YASKAWA

YRC1000micro
ALARM CODES
(MAJOR ALARMS)

- Upon receipt of the product and prior to initial operation, read these instructions thoroughly, and retain for future reference.
- This instruction consists of “MAJOR ALARMS” version and “MINOR ALARMS” version.

MOTOMAN INSTRUCTIONS

MOTOMAN-□□□ INSTRUCTIONS
YRC1000micro INSTRUCTIONS
YRC1000micro OPERATOR’S MANUAL
YRC1000micro MAINTENANCE MANUAL
YRC1000micro ALARM CODES (MAJOR ALARMS) (MINOR ALARMS)

Have the following information available when contacting the YASKAWA Representative:
- System
- Primary Application
- Software Version *(Located on Programming Pendant by selecting: {Main Menu} - {System Info} - {Version})*
- Warranty ID *(Located on Robot Controller)*
- Robot Serial Number *(Located on Manipulator data plate)*
- Robot Sales Order Number *(Located on Robot controller data plate)*

THIS MATERIAL IS FOR STUDY PURPOSE ONLY.
YOU MUST READ THE MANUAL WHICH ENCLOSED WITH A ROBOT.

MANUAL NO. RE-CER-A601 ③
MAJOR ALARMS

The Americas YASKAWA Representative

- 24-hour Telephone Number: **(937) 847-3200**
  Use for urgent or emergency needs for technical support, service and/or replacement parts
- Routine Technical Inquiries: *techsupport@motoman.com*
  Allow up to 36 hours for response

Part Number: 181273-1CD
Revision: 3

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i.1 Notes for Safe Operation

⚠DANGER

This manual explains the ALARM CODES of the YRC1000micro system. Read this manual carefully and be sure to understand its contents before handling this product. Any matter not described in this manual must be regarded as “prohibited” or “improper”.
General information related to safety are described in “Chapter 1. Safety” of the YRC1000micro INSTRUCTIONS. To ensure correct and safe operation, carefully read “Chapter 1. Safety” of the INSTRUCTIONS.

⚠CAUTION

In some drawings in this manual, protective covers or shields are removed to show details. Make sure that all the covers or shields are installed in place before operating this product.
YASKAWA is not responsible for incidents arising from unauthorized modification of its products. Unauthorized modification voids the product warranty.

NOTICE

The drawings and photos in this manual are representative examples and differences may exist between them and the delivered product.
YASKAWA may modify this model without notice when necessary due to product improvements, modifications, or changes in specifications. If such modification is made, the manual number will also be revised.
If your copy of the manual is damaged or lost, contact a YASKAWA representative to order a new copy. Be sure to tell the representative the manual number listed on the front cover.

◆ Safety Information

Read this manual carefully before installation, operation, maintenance, or inspection of this product.
In this manual, the Notes for Safe Operation are classified as “DANGER”, “WARNING”, “CAUTION”, or “NOTICE”.

⚠DANGER

Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury. Safety Signs identified by the signal word DANGER should be used sparingly and only for those situations presenting the most serious hazards.

⚠WARNING

Indicates a potentially hazardous situation which, if not avoided, will result in death or serious injury. Hazards identified by the signal word WARNING present a lesser degree of risk of injury or death than those identified by the signal word DANGER.

⚠CAUTION

Indicates a hazardous situation, which if not avoided, could result in minor or moderate injury. It may also be used without the safety alert symbol as an alternative to “NOTICE”.

NOTICE

NOTICE is the preferred signal word to address practices not related to personal injury. The safety alert symbol should not be used with this signal word. As an alternative to “NOTICE”, the word “CAUTION” without the safety alert symbol may be used to indicate a message not related to personal injury.

Even items described as “CAUTION” may result in a serious accident in some situations. At any rate, be sure to follow these important items.

◆ Safety Precautions That Must Always Be Observed

⚠DANGER

Before operating the manipulator, make sure the servo power is turned OFF by performing the following operations. When the servo power is turned OFF, the SERVO ON LED on the programming pendant is turned OFF.

- **Press the emergency stop button on the programming pendant or on the external control device, etc.**
- **Disconnect the safety plug of the safety fence. (when in the play mode or in the remote mode)**

If operation of the manipulator cannot be stopped in an emergency, personal injury and/or equipment damage may result.

<Emergency Stop Button>

Before releasing the emergency stop, make sure to remove the obstacle or error caused the emergency stop, if any, and then turn the servo power ON.

Failure to observe this instruction may cause unintended movement of the manipulator, which may result in personal injury.

<Release of Emergency Stop>

Observe the following precautions when performing a teaching operation within the manipulator's operating range:

- **Be sure to perform lockout by putting a lockout device on the safety fence when going into the area enclosed by the safety fence. In addition, the operator of the teaching operation must display the sign that the operation is being performed so that no other person closes the safety fence.**
- **View the manipulator from the front whenever possible.**
- **Always follow the predetermined operating procedure.**
- **Always keep in mind emergency response measures against the manipulator’s unexpected movement toward a person.**
- **Ensure a safe place to retreat in case of emergency.**

Failure to observe this instruction may cause improper or unintended movement of the manipulator, which may result in personal injury.

⚠DANGER

Confirm that no person is present in the manipulator's operating range and that the operator is in a safe location before:

- **Turning ON the YRC1000micro power**
- **Moving the manipulator by using the programming pendant**
- **Running the system in the check mode**
- **Performing automatic operations**

Personal injury may result if a person enters the manipulator's operating range during operation. Immediately press an emergency stop button whenever there is a problem.
The emergency stop button is located on the upper right of the programming pendant.

Read and understand the Explanation of the Warning Labels before operating the manipulator.

In the case of not using the programming pendant, be sure to supply the emergency stop button on the equipment. Then before operating the manipulator, check to be sure that the servo power is turned OFF by pressing the emergency stop button. Connect the external emergency stop button to the 4-14 pin and 5-15 pin of the Safety connector (Safety).

Upon shipment of the YRC1000micro, this signal is connected by a jumper cable in the dummy connector. To use the signal, make sure to supply a new connector, and then input it.
If the signal is input with the jumper cable connected, it does not function, which may result in personal injury or equipment damage.

⚠WARNING

Perform the following inspection procedures prior to conducting manipulator teaching. If there is any problem, immediately take necessary steps to solve it, such as maintenance and repair.

- **Check for a problem in manipulator movement.**
- **Check for damage to insulation and sheathing of external wires.**

Always return the programming pendant to the hook on the cabinet after use.
If the programming pendant is left unattended on the manipulator, on a fixture, or on the floor, etc., the Enable Switch may be activated due to surface irregularities of where it is left, and the servo power may be turned ON. In addition, in case the operation of the manipulator starts, the manipulator or the tool may hit the programming pendant left unattended, which may result in personal injury and/or equipment damage.

◆ Definition of Terms Used Often in This Manual

The MOTOMAN is the YASKAWA industrial robot product.
The MOTOMAN usually consists of the manipulator, the YRC1000micro controller, manipulator cables, the YRC1000micro programming pendant (optional), and the YRC1000micro programming pendant safety signal short circuit connector (optional).
In this manual, the equipment is designated as follows.

Equipment	Manual Designation
YRC1000micro controller	YRC1000micro
YRC1000micro programming pendant	Programming pendant (optional)
Cable between the manipulator and the controller	Manipulator cable
YRC1000micro programming pendant safety signal short circuit connector	Programming pendant safety signal short circuit connector (optional)

Descriptions of the programming pendant keys, buttons, and displays are shown as follows:

Equipment		Manual Designation
Programming Pendant	Character Keys/Symbol Keys	The keys which have characters or symbols printed on them are denoted with [ ]. e.g. [ENTER]
	Axis Keys/Numeric Keys	[Axis Key] and [Numeric Key] are generic names for the keys for axis operation and number input.
	Keys pressed simultaneously	When two keys are to be pressed simultaneously, the keys are shown with a “+” sign between them, e.g. [SHIFT]+[COORD].
	Mode Switch	Mode Switch can select three kinds of modes that are denoted as follows: REMOTE, PLAY or TEACH. (The switch names are denoted as symbols)
	Button	The three buttons on the upper side of the programming pendant are denoted as follows: START, HOLD, or EMERGENCY STOP. (The button names are denoted as symbols)
	Displays	The menu displayed in the programming pendant is denoted with { }. e.g. {JOB}

◆ Description of the Operation Procedure

In the explanation of the operation procedure, the expression “Select • • •” means that the cursor is moved to the object item and the [SELECT] is pressed, or that the item is directly selected by touching the screen.

◆ Registered Trademark

In this manual, names of companies, corporations, or products are trademarks, registered trademarks, or brand names for each company or corporation.
The indications of (R) and TM are omitted.

1

Alarm List

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1.1 Alarm Number (0000 to 0999)

◆ 0010: CPU BOARD INSERTION ERROR (SV)

ACP31 board detect the connection and insertion board error when the control power turned ON.

Sub Code	Meaning	Cause	Remedy
	Not able to recognize ACP31 board when the control power turned ON. SubCode:Subcode shows the error part of ACP31 board. (There is possibility of combination of follow boards) 0000_0001 : ACP31#1 0000_0010 : ACP31#2	Setting error	Check the following settings. Not found the ACP31 board (RSW=0). • The Upper side of ACP31 board rotary switch setting (0) • The rotary switch setting is overlapped to the other ACP31 board rotary switch setting. Check the rotary switch setting.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 0011: CPU BOARD INSERTION ERROR (Safety)

ACP31 board detect the connection and insertion board error of ASF30 board when the control power turned ON.

Sub Code	Meaning	Cause	Remedy
	ACP31 board was not able to recognize ASF30 board when the control power turned ON. SubCode:Subcode shows the error part of ASF30 board. (There is possibility of combination of follow boards) 0000_0001 : ASF30#1 0000_0010 : ASF30#2	Setting error	Check the following settings. • There is RSW on the ASF30 board. • The ASF30 board rotary switch setting (0)
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 0012: CPU BOARD SETTING ERROR

ACP31 board detect the setting error of ASF30 board when the control power turned ON.

Sub Code	Meaning	Cause	Remedy
1	ACP31 board was not able to recognize ASF30 board when the control power turned ON.	Setting error	Check the following settings. • There is RSW on the ASF30 board. • The ASF30 board rotary switch setting (0)
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	No response was sent from the ASF30 board when the control power turned ON.	Setting error	Check the following settings. • There is RSW on the ASF30 board. • The ASF30 board rotary switch setting (0)
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	No response was sent from the ASF30 board when the control power turned ON.	Setting error	Check the following settings. • There is RSW on the ASF30 board. • The ASF30 board rotary switch setting (0)
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	No response was sent from the ACP31 board #1 when the control power turned ON.	Setting error	Check the following settings. • Control group settings in maintenance mode • The rotary switch setting is overlapped to the other Upper side of ACP31 board rotary switch setting. Check the rotary switch setting.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		PS01 unit failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.

0012: CPU BOARD SETTING ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
5	No response was sent from the ACP31 board #2 when the control power turned ON.	Setting error	Check the following settings. • Control group settings in maintenance mode • The rotary switch setting is overlapped to the other Upper side of ACP31 board rotary switch setting. Check the rotary switch setting.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		PS01 unit failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
12	No response was sent from the ACP31 board #1 when the control power turned ON.	Setting error	Check the following settings. • Control group settings in maintenance mode • The rotary switch setting is different from the ASF30 board on the ACP31 board rotary switch setting. Check the rotary switch setting.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		PS01 unit failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
13	No response was sent from the ACP31 board #2 when the control power turned ON.	Setting error	Check the following settings. • Control group settings in maintenance mode • The rotary switch setting is different from the ASF30 board on the ACP31 board rotary switch setting. Check the rotary switch setting.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		PS01 unit failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.

0012: CPU BOARD SETTING ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
22	ACP31 board was not able to recognize ASF04 board when the control power turned ON.	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF04 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
50	Not able to recognize ACP31#1 board when the control power turned ON.	Setting error	Check the following settings. • Check the Upper side of ACP31 board rotary switch setting. Not found the ACP31 board (RSW=0). • The rotary switch setting is overlapped to the other ACP31 board rotary switch setting. Check the rotary switch setting.
		ACP31#1 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
51	Not able to recognize ACP31#2 board when the control power turned ON.	Setting error	Check the following settings. • Check the Upper side of ACP31 board rotary switch setting. Not found the ACP31 board (RSW=1). • The rotary switch setting is overlapped to the other ACP31 board rotary switch setting. Check the rotary switch setting. • The rotary switch setting is different from the ASF30 board on the ACP31 board rotary switch setting. Check the rotary switch setting.
		ACP31#2 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 0020: CPU COMMUNICATION ERROR

The YRC1000micro previously stores the connected CPU boards, and checks if each board properly responds on a startup. This alarm occurs if there is any CPU board which does not properly respond to the YRC1000micro.

Sub Code	Meaning	Cause	Remedy
1	No response was sent from the ACP31 board when the control power turned ON.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		ACP31board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
20	No response was sent from the optional board #1 when the control power turned ON.	Setting error	Check the following settings. • Optional board setting in maintenance mode
		ACP31board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
21	No response was sent from the optional board #2 when the control power turned ON.	Setting error	Check the following settings. • The optional board setting in maintenance mode
		ACP31board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
30	No response was sent from the ASF30 board #1 when the control power turned ON.	Setting error	Check the following settings. • Control group settings in maintenance mode • The ASF30 board rotary switch setting (0) of the corresponding node number • The Upper side of ACP31 board rotary switch setting (0) of the corresponding node number (SV#1)
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		AIF01 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

0020: CPU COMMUNICATION ERROR (continued)

Sub Code	Meaning	Cause	Remedy
31	No response was sent from the ASF30 board #2 when the control power turned ON.	Setting error	Check the following settings. • Control group settings in maintenance mode • The ASF30 board rotary switch setting (1)of the corresponding node number • The Upper side of ACP31 board rotary switch setting (1)of the corresponding node number (SV#2)
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		AIF01 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
32	No response was sent from the ASF30 board #3 when the control power turned ON.	Setting error	Check the following settings. • Control group settings in maintenance mode • The ASF30 board rotary switch setting (2)of the corresponding node number • The Upper side of ACP31 board rotary switch setting (2)of the corresponding node number (SV#3)
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		AIF01 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
33	No response was sent from the ASF30 board #4 when the control power turned ON.	Setting error	Check the following settings. • Control group settings in maintenance mode • The ASF30 board rotary switch setting (3)of the corresponding node number • The Upper side of ACP31 board rotary switch setting (3)of the corresponding node number (SV#4)
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		AIF01 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

0020: CPU COMMUNICATION ERROR (continued)

Sub Code	Meaning	Cause	Remedy
34	No response was sent from the ASF30 board #5 when the control power turned ON.	Setting error	Check the following settings. • Control group settings in maintenance mode • The ASF30 board rotary switch setting (4)of the corresponding node number • The Upper side of ACP31 board rotary switch setting (4)of the corresponding node number (SV#5)
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
35	No response was sent from the ASF30 board #6 when the control power turned ON.	Setting error	Check the following settings. • Control group settings in maintenance mode • The ASF30 board rotary switch setting (5)of the corresponding node number • The Upper side of ACP31 board rotary switch setting (5)of the corresponding node number (SV#6)
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
36	No response was sent from the ASF30 board #7 when the control power turned ON.	Setting error	Check the following settings. • Control group settings in maintenance mode • The ASF30 board rotary switch setting (6)of the corresponding node number • The Upper side of ACP31 board rotary switch setting (6)of the corresponding node number (SV#7)
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

0020: CPU COMMUNICATION ERROR (continued)

Sub Code	Meaning	Cause	Remedy
37	No response was sent from the ASF30 board #8 when the control power turned ON.	Setting error	Check the following settings. • Control group settings in maintenance mode • The ASF30 board rotary switch setting (7)of the corresponding node number • The Upper side of ACP31 board rotary switch setting (7)of the corresponding node number (SV#8)
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
50	No response was sent from the ACP31 board #1 when the control power turned ON. At this time, the YRC1000micro may judge it as signal input such as external hold wrong. However, it is caused by the communication error with ACP31 board #1. Therefore, execute the following measures first of all.	Setting error	Check the following settings. • Control group settings in maintenance mode • The Upper side of ACP31 board rotary switch setting (0) of the corresponding node number (SV#1)
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
51	No response was sent from the ACP31 board #2 when the control power turned ON.	Setting error	Check the following settings. • Control group settings in maintenance mode • The Upper side of ACP31 board rotary switch setting (1)of the corresponding node number (SV#2)
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		PS01 unit failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
60	No response was sent from the ASF04 board #1 when the control power turned ON.	Setting error	Check the following settings. • Control group settings in maintenance mode
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

0020: CPU COMMUNICATION ERROR (continued)

Sub Code	Meaning	Cause	Remedy
61	No response was sent from the ASF04 board #2 when the control power turned ON.	Setting error	Check the following settings. • Control group settings in maintenance mode
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 0021: COMMUNICATION ERROR(SERVO)

The YRC1000micro transfers special commands to operate SERVO units on its startup as well as its regular operation process. This alarm occurs if there is any communication failure in transferring the special commands.

Sub Code	Meaning	Cause	Remedy
50	The Main CPU detected an communication error for the ACP31 board #1 when the control power turned ON.	Setting error	Check the following settings. • Control group settings in maintenance mode • The Upper side of ACP31 board rotary switch setting (0) of the corresponding node number (SV#1)
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
51	The Main CPU detected an communication error for the ACP31 board #2 when the control power turned ON.	Setting error	Check the following settings. • Control group settings in maintenance mode • The Upper side of ACP31 board rotary switch setting (1)of the corresponding node number (SV#2)
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		APU unit failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 0030: ROM ERROR

The YRC1000micro system program (ROM) runs after RAM expansion executed on a startup. This alarm occurs if there is any failure in the RAM expansion.

Sub Code	Meaning	Cause	Remedy
1	The system program of ACP31 board is damaged.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

0030: ROM ERROR (continued)

Sub Code	Meaning	Cause	Remedy
20	The system program of optional board #1 is damaged.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
21	The system program of optional board #2 is damaged.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
30	The system program of ASF30 board #1 is damaged.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
31	The system program of ASF30 board #2 is damaged.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
32	The system program of ASF30 board #3 is damaged.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
33	The system program of ASF30 board #4 is damaged.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

0030: ROM ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
34	The system program of ASF30 board #5 is damaged.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
35	The system program of ASF30 board #6 is damaged.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
36	The system program of ASF30 board #7 is damaged.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
37	The system program of ASF30 board #8 is damaged.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
50	The system program of ACP31 board #1 is damaged.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

0030: ROM ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
51	The system program of ACP31 board #2 is damaged.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 0060: COMMUNICATION ERROR(I/O MODULE)

The YRC1000micro previously stores the connected I/O modules, and check the presence of each module on a startup. This alarm occurs if there is any module of which presence cannot be identified.

Sub Code	Meaning	Cause	Remedy
0	The I/O module board connected with 0th serial bus exists.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
1	An error was detected in communications with the I/O module board connected with 1st serial bus when the control power turned ON.	Setting error	Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode Please refer to the manual of each I/O module for the details of the setting
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		I/O module failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

0060: COMMUNICATION ERROR(I/O MODULE) (continued)

Sub Code	Meaning	Cause	Remedy
2	An error was detected in communications with the I/O module board connected with 2nd serial bus when the control power turned ON.	Setting error	Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode Please refer to the manual of each I/O module for the details of the setting
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		I/O module failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	An error was detected in communications with the I/O module board connected with 3rd serial bus when the control power turned ON.	Setting error	Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode Please refer to the manual of each I/O module for the details of the setting
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		I/O module failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	An error was detected in communications with the I/O module board connected with 4th serial bus when the control power turned ON.	Setting error	Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode Please refer to the manual of each I/O module for the details of the setting
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		I/O module failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.

0060: COMMUNICATION ERROR(I/O MODULE) (continued)

Sub Code	Meaning	Cause	Remedy
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
5	An error was detected in communications with the I/O module board connected with 5th serial bus when the control power turned ON.	Setting error	Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode Please refer to the manual of each I/O module for the details of the setting
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		I/O module failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
6	An error was detected in communications with the I/O module board connected with 6th serial bus when the control power turned ON.	Setting error	Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		I/O module failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7	An error was detected in communications with the I/O module board connected with 7th serial bus when the control power turned ON.	Setting error	Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode Please refer to the manual of each I/O module for the details of the setting
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.

0060: COMMUNICATION ERROR(I/O MODULE) (continued)

Sub Code	Meaning	Cause	Remedy
		I/O module failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8	An error was detected in communications with the I/O module board connected with 8th serial bus when the control power turned ON.	Setting error	Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode Please refer to the manual of each I/O module for the details of the setting
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		I/O module failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
9	An error was detected in communications with the I/O module board connected with 9th serial bus when the control power turned ON.	Setting error	Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode Please refer to the manual of each I/O module for the details of the setting
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		I/O module failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

0060: COMMUNICATION ERROR(I/O MODULE) (continued)

Sub Code	Meaning	Cause	Remedy
10	An error was detected in communications with the I/O module board connected with 10th serial bus when the control power turned ON.	Setting error	Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode Please refer to the manual of each I/O module for the details of the setting
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		I/O module failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
11	An error was detected in communications with the I/O module board connected with 11th serial bus when the control power turned ON.	Setting error	Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode Please refer to the manual of each I/O module for the details of the setting
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		I/O module failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
12	An error was detected in communications with the I/O module board connected with 12th serial bus when the control power turned ON.	Setting error	Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode Please refer to the manual of each I/O module for the details of the setting
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		I/O module failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.

0060: COMMUNICATION ERROR(I/O MODULE) (continued)

Sub Code	Meaning	Cause	Remedy
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
13	An error was detected in communications with the I/O module board connected with 13th serial bus when the control power turned ON.	Setting error	Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode Please refer to the manual of each I/O module for the details of the setting
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		I/O module failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
14	An error was detected in communications with the I/O module board connected with 14th serial bus when the control power turned ON.	Setting error	Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode Please refer to the manual of each I/O module for the details of the setting
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		I/O module failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
15	An error was detected in communications with the I/O module board connected with 15th serial bus when the control power turned ON.	Setting error	Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode Please refer to the manual of each I/O module for the details of the setting

0060: COMMUNICATION ERROR(I/O MODULE) (continued)

Sub Code	Meaning	Cause	Remedy
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		I/O module failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
16	An error was detected in communications with the I/O module board connected with 1st PCI connector when the control power turned ON.	Setting error	Check the following settings. • PCI slot number in which each PCI board is mounted • I/O module settings in maintenance mode Please refer to the manual of each I/O module for the details of the setting
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		I/O module failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		EIP board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		PROFINET SST-PN-2-PE board failure	In the case of SST-PN-2-PE(PROFINET) board, please confirm communication configuration using Molex manufactured setting tool (Product Configuration Tool). Please refer to the user manual of the SST-PN-2-PE for more information on how to set.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
17	An error was detected in communications with the I/O module board connected with 2nd PCI when the control power turned ON.	Setting error	Check the following settings. • PCI slot number in which each PCI board is mounted • I/O module settings in maintenance mode Please refer to the manual of each I/O module for the details of the setting
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		I/O module failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.

0060: COMMUNICATION ERROR(I/O MODULE) (continued)

Sub Code	Meaning	Cause	Remedy
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		EIP board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		PROFINET SST-PN-2-PE board failure	In the case of SST-PN-2-PE(PROFINET) board, please confirm communication configuration using Molex manufactured setting tool (Product Configuration Tool). Please refer to the user manual of the SST-PN-2-PE for more information on how to set.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
18	An error was detected in communications with the I/O module board connected with 3rd PCI when the control power turned ON.	Setting error	Check the following settings. • PCI slot number in which each PCI board is mounted • I/O module settings in maintenance mode Please refer to the manual of each I/O module for the details of the setting
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		I/O module failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		EIP board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		PROFINET SST-PN-2-PE board failure	In the case of SST-PN-2-PE(PROFINET) board, please confirm communication configuration using Molex manufactured setting tool (Product Configuration Tool). Please refer to the user manual of the SST-PN-2-PE for more information on how to set.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
19	An error was detected in communications with the I/O module board connected with 4th PCI when the control power turned ON.	Setting error	Check the following settings. • PCI slot number in which each PCI board is mounted • I/O module settings in maintenance mode Please refer to the manual of each I/O module for the details of the setting
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		I/O module failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.

0060: COMMUNICATION ERROR(I/O MODULE) (continued)

Sub Code	Meaning	Cause	Remedy
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		EIP board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		PROFINET SST-PN-2-PE board failure	In the case of SST-PN-2-PE(PROFINET) board, please confirm communication configuration using Molex manufactured setting tool (Product Configuration Tool). Please refer to the user manual of the SST-PN-2-PE for more information on how to set.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 0100: COMMUNICATION ERROR(SV#1)

The serial communications of ACP31 board in the YRC1000micro is softwarily monitored by each board.
This alarm occurs if ACP31 detects an error in the serial communication of 1st ACP31 board.

Sub Code	Meaning	Cause	Remedy
1	The error was detected during the check of the serial communication watchdog data. Counter value received from ACP31 board is invalid.	Setting error	Check the following settings. • Control group settings in maintenance mode • The Upper side of ACP31 board rotary switch setting (0) of the corresponding node number (SV#1)
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 0101: COMMUNICATION ERROR(SV#2)

The serial communications of ACP31 board in the YRC1000micro is softwarily monitored by each board.
This alarm occurs if ACP31 detects an error in the serial communication of 2nd ACP31 board.

Sub Code	Meaning	Cause	Remedy
1	The error was detected during the check of the serial communication watchdog data. Counter value received from ACP31 board is invalid.	Setting error	Check the following settings. • Control group settings in maintenance mode • The Upper side of ACP31 board rotary switch setting (1)of the corresponding node number (SV#2)
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.

0101: COMMUNICATION ERROR(SV#2) (continued)

Sub Code	Meaning	Cause	Remedy
		PS01 unit failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 0110: COMMUNICATION ERROR (ASF3x)

The PCIe communications between ACP31 board and Safety board in the YRC1000micro is softwarily monitored by each board.
This alarm occurs if ACP31 cannot detect reply from Safety board within the specified time.

Sub Code	Meaning	Cause	Remedy
		ASF30/ASF31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		PS01 unit failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 0200: MEMORY ERROR(PARAMETER FILE)

The YRC1000micro requires various types of parameters to operate, and performs a check sum during the startup process to ensure that the parameter files are properly retained. This alarm occurs if the YRC1000micro detects an error in the check sum.

Sub Code	Meaning	Cause	Remedy
0	The RC parameter is damaged.	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1	The RO parameter is damaged.	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.

0200: MEMORY ERROR(PARAMETER FILE) (continued)

Sub Code	Meaning	Cause	Remedy
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	The SV parameter is damaged.	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	The SVM parameter is damaged.	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	The SC parameter is damaged.	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
5	The SD parameter is damaged.	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
6	The CIO parameter is damaged.	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.

0200: MEMORY ERROR(PARAMETER FILE) (continued)

Sub Code	Meaning	Cause	Remedy
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7	The FD parameter is damaged.	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8	The AP parameter is damaged.	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
9	The RS parameter is damaged.	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
10	The SE parameter is damaged.	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
11	The SVC parameter is damaged.	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.

0200: MEMORY ERROR(PARAMETER FILE) (continued)

Sub Code	Meaning	Cause	Remedy
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
12	The AMC parameter is damaged.	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
13	The SVP parameter is damaged.	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
14	The MF parameter is damaged.	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
15	The SVS parameter is damaged.	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
125	RE parameter is damaged.	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.

0200: MEMORY ERROR(PARAMETER FILE) (continued)

Sub Code	Meaning	Cause	Remedy
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
126	FMS parameter is damaged.	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 0210: MEMORY ERROR(SYSTEM CONFIG-DATA)

The YRC1000micro holds the information to start as a system in the SYSTEM CONFIG-DATA file, and performs a check sum during the startup process to ensure that these files are properly retained. This alarm occurs if the YRC1000micro detects an error in the check sum.

Sub Code	Meaning	Cause	Remedy
	The system configuration information data are damaged.	AIF01 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 0220: MEMORY ERROR(JOB MNG DATA)

The YRC1000micro holds the user program as data files called JOB, and performs a check sum during the startup process to ensure that these files are properly retained. This alarm occurs if the YRC1000micro detects an error in the check sum.

Sub Code	Meaning	Cause	Remedy
0	The management data of job files are damaged.	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the job file in maintenance mode, and then load the data (job, variable data, Robot calibration data) saved in the external memory device.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

0220: MEMORY ERROR(JOB MNG DATA) (continued)

Sub Code	Meaning	Cause	Remedy
1	The job files are damaged.	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the job file in maintenance mode, and then load the data (job, variable data, Robot calibration data) saved in the external memory device.
		AIF01 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	The management data of position data files are damaged.	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the job file in maintenance mode, and then load the data (job, variable data, Robot calibration data) saved in the external memory device.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	Memory and play back file is damaged.	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 0230: MEMORY ERROR (LADDER PRG FILE)

A program software PLC which runs in the YRC1000micro is stored in the ladder program file. The YRC1000micro performs a check sum during the startup process to ensure that these files are properly retained. This alarm occurs if the YRC1000micro detects an error in the check sum.

Sub Code	Meaning	Cause	Remedy
	The CIO ladder file is damaged.	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 0270: MEMORY ERROR(SD BACKUP FILE)

To operate the YRC1000micro properly, the settings of each file (backup file) that is remained even after turning OFF the YRC1000micro power supply is needed.
Part of the backup files are stored in the SD card in ACP31 board. By retrieving these backup files from the SD card correctly when turning on the power supply, you can check if the backup files in the SD card are correct. This alarm occurs if this file is found to be incorrect.

Sub Code	Meaning	Cause	Remedy
	The system software version is inconsistent with the version when the internal storage data is set or the SD Card on the ACP31 board is damaged.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.

◆ 0280: MEMORY ERROR(EX IO ALLOC FILE)

The YRC1000micro holds the information of EX IO function setting in the EX IO ALLOC FILE, and performs a check sum during the startup process to ensure that these files are properly retained. This alarm occurs if the YRC1000micro detects an error in the check sum.

Sub Code	Meaning	Cause	Remedy
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate data in maintenance mode, and then set the I/O module.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 0290: MEMORY ERROR(NETWORK SETUP)

The communication setting of the IP address needs to be recorded when using network function for YRC1000micro.
The file with these records are called the network setting file.
By sum check which is perfomed when turning the power on, this network setting file is checked if it is correct.
This alarm occurs if this file is found to be incorrect.

Sub Code	Meaning	Cause	Remedy
	The network setting file is damaged.	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate data in maintenance mode, and then set the network again.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 0300: VERIFY ERROR(SYSTEM CONFIG-DATA)

The YRC1000micro holds the information to start as a system in the data files called "System Configuration Data", and performs a validity check on the data files if they are properly configured. This alarm occurs if the YRC1000micro detects an error in the validity check.

Sub Code	Meaning	Cause	Remedy
2	CIO parameter error.	Setting error	Check the following settings. • I/O module settings in maintenance mode
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	Axis-related parameter error.	Setting error	Check the following settings. • Control group settings in maintenance mode
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
5	Sensor-use parameter error.	Setting error	Check the following settings. • The optional board setting in maintenance mode
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

0300: VERIFY ERROR(SYSTEM CONFIG-DATA) (continued)

Sub Code	Meaning	Cause	Remedy
7	The set optional functions are different from those of the mounted optional board.	Setting error	Check the following settings. • The optional board setting in maintenance mode
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8	IO type error (combination impossible to coexist).	Setting error	Check the following settings. • I/O module settings in maintenance mode
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
10	Safety board save data error	Setting error	1. Select the following menu. • [File]-[Initialize],[Safety Board FLASH Reset] in maintenance mode. 2. Turn the power OFF then back ON.
		Short circuit or ground fault	1. Check that the power is supplied to the ASF01 board and that the error of the CPS unit(24V abnormality) is not lit. 2. If the alarm recurs, check that the 24V power supply of the connector below is connected and that there is no short circuit or ground fault. • GPIO • SAFETY"
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
11	Ex. AXIS INDIVIDUAL CONTROL Parameter Setting error (EX.TU# out of a range).	Setting error	Check the following settings. • [Option function] - [Ex. AXIS INDIVIDUAL CONTROL (SDA)] settings in maintenance mode
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

0300: VERIFY ERROR(SYSTEM CONFIG-DATA) (continued)

Sub Code	Meaning	Cause	Remedy
12	Ex. AXIS INDIVIDUAL CONTROL Parameter Setting error (Difference in an Ex. AXIS INDIVIDUAL CONTROL Parameter and Physics TU# parameter).	Setting error	Check the following settings. • [Option function] - [Ex. AXIS INDIVIDUAL CONTROL (SDA)] settings in maintenance mode
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
13	PFL board save data error	Setting error	1. Select the following menu. • [File]-[Initialize],[PFL Board FLASH Reset] in maintenance mode. 2. Turn the power OFF then back ON.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF04 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
14	POWER REGENERATIVE FUNCTION Parameter Setting error.	Setting error	Check the following settings. • [Option function] - [POWER REGENERATIVE FUNCTION] settings in maintenance mode
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
15	Parameter setting error of the robot detachment function or axes detachment function.	Setting error	Check the following settings. • [OPTION FUNCTION] - [ROBOT DETACHMENT] settings in maintenance mode, Reset the detachment group setting. • [OPTION FUNCTION] - [AXES DETACHMENT] settings in maintenance mode, Reset the detachment axis setting.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
16	The fast cycle DeviceNet communication can not be available under this setting	Setting error	Check the fast cycle DeviceNet communication setting. • The Channel number for the fast cycle communication(Max channel number is 2). • The Communication IO number for the fast cycle communication(Max IO number is 64Byte).

0300: VERIFY ERROR(SYSTEM CONFIG-DATA) (continued)

Sub Code	Meaning	Cause	Remedy
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
17	The fast cycle DeviceNet communication can not be available under this setting	Setting error	Check the fast cycle DeviceNet communication setting. • The Channel number for the fast cycle communication(Only 1channel is available). • The Communication IO number for the fast cycle communication(Max IO number is 16Byte).
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
20	Machine Safety board save data error	Setting error	1. Select the following menu. • [File]-[Initialize],[Safety Board FLASH Reset] 2. Turn the power OFF then back ON. 3. If the alarm occurs again, select the following menu. • [File]-[Initialize]-[I/O Data],[YSF LOGIC FILE]
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
31	The combination of the software version and the version of driver for INPACT board (HMSAB.DRV) is incorrect.	Setting error	Please try the software update. In order to know the correct software version, contact your YASKAWA representative about occurrence status (operating procedure).
32	The fieldbus type of set optional function is not consistent with the fieldbus type of option board.	Setting error	Check the following settings. • Fieldbus type setting of target INpact board in maintenance mode
		I/O module failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • The corresponding I/O module (PCIe board)
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
40	The data output function for Self-Diagnosis System can not be available under this setting	Setting error	Check the data output function setting for Self-Diagnosis System. • The number of Servo Control Board(Only 1 board is available).

0300: VERIFY ERROR(SYSTEM CONFIG-DATA) (continued)

Sub Code	Meaning	Cause	Remedy
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
42	There is an error in the LAN interface settings used for MODBUS/TCP (CPU Board).	Setting error	Check the LAN interface settings used for MODBUS/TCP (CPU Board).
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 0301: VERIFY ERROR(OVERRUN INPUT SET)

The YRC1000micro verifies if the parameter specification is the same as the OT signal information.
This alarm occurs if the YRC1000micro detects an error in the verification process.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Control group Parameter specification and OT signal information are wrong	Setting error	Check the following settings. • Connection settings (OT) in maintenance mode
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 0302: VERIFY ERROR(ASF30 HARDWARE SET)

The YRC1000micro verifies if the parameter specification is the special hardware setting.
This alarm occurs if the YRC1000micro detects an error in the verification process.

Sub Code	Meaning	Cause	Remedy
0		Setting error	Check the following settings. • Connection settings function safety in maintenance mode
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 0310: VERIFY ERROR(CMOS MEMORY SIZE)

The YRC1000micro verifies that the ACP30 board type (CMOS memory size) which is detected during the startup is the same as the type set at the time of system configuration. This alarm occurs if the YRC1000micro detects an error in the verification process.

Sub Code	Meaning	Cause	Remedy
	The CMOS memory capacity is different from its initial setting.	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 0320: VERIFY ERROR(I/O MODULE)

The YRC1000micro verifies that the I/O module which is detected during the startup is the same as the module set at the time of system configuration. This alarm occurs if the YRC1000micro detects an error in the verification process.

Sub Code	Meaning	Cause	Remedy
0	The I/O module connected to the PCI express bus is different from the function of the set I/O module.	Setting error	Check the following settings. • The AIO board type connected to ASF30. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode Please refer to the manual of each I/O module for the details of the setting
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The MII communications cable which I/O module of the corresponding node number • (In case of MII communications last station) Terminator • 24V power of the corresponding I/O module
		I/O module failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1	The I/O module connected to the serial bus #1 is different from the function of the set I/O module.	Setting error	Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode Please refer to the manual of each I/O module for the details of the setting

0320: VERIFY ERROR(I/O MODULE) (continued)

Sub Code	Meaning	Cause	Remedy
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The MII communications cable which I/O module of the corresponding node number • (In case of MII communications last station) Terminator • 24V power of the corresponding I/O module
		I/O module failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	The I/O module connected to the serial bus #2 is different from the function of the set I/O module.	Setting error	Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode Please refer to the manual of each I/O module for the details of the setting
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The MII communications cable which I/O module of the corresponding node number • (In case of MII communications last station) Terminator • 24V power of the corresponding I/O module
		I/O module failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	The I/O module connected to the serial bus #3 is different from the function of the set I/O module.	Setting error	Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode Please refer to the manual of each I/O module for the details of the setting

0320: VERIFY ERROR(I/O MODULE) (continued)

Sub Code	Meaning	Cause	Remedy
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The MII communications cable which I/O module of the corresponding node number • (In case of MII communications last station) Terminator • 24V power of the corresponding I/O module
		I/O module failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	The I/O module connected to the serial bus #4 is different from the function of the set I/O module.	Setting error	Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode Please refer to the manual of each I/O module for the details of the setting
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The MII communications cable which I/O module of the corresponding node number • (In case of MII communications last station) Terminator • 24V power of the corresponding I/O module
		I/O module failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
5	The I/O module connected to the serial bus #5 is different from the function of the set I/O module.	Setting error	Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode Please refer to the manual of each I/O module for the details of the setting

0320: VERIFY ERROR(I/O MODULE) (continued)

Sub Code	Meaning	Cause	Remedy
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The MII communications cable which I/O module of the corresponding node number • (In case of MII communications last station) Terminator • 24V power of the corresponding I/O module
		I/O module failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
6	The I/O module connected to the serial bus #6 is different from the function of the set I/O module.	Setting error	Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode Please refer to the manual of each I/O module for the details of the setting
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The MII communications cable which I/O module of the corresponding node number • (In case of MII communications last station) Terminator • 24V power of the corresponding I/O module
		I/O module failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7	The I/O module connected to the serial bus #7 is different from the function of the set I/O module.	Setting error	Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode Please refer to the manual of each I/O module for the details of the setting

0320: VERIFY ERROR(I/O MODULE) (continued)

Sub Code	Meaning	Cause	Remedy
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The MII communications cable which I/O module of the corresponding node number • (In case of MII communications last station) Terminator • 24V power of the corresponding I/O module
		I/O module failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8	The I/O module connected to the serial bus #8 is different from the function of the set I/O module.	Setting error	Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode Please refer to the manual of each I/O module for the details of the setting
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The MII communications cable which I/O module of the corresponding node number • (In case of MII communications last station) Terminator • 24V power of the corresponding I/O module
		I/O module failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
9	The I/O module connected to the serial bus #9 is different from the function of the set I/O module.	Setting error	Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode Please refer to the manual of each I/O module for the details of the setting

0320: VERIFY ERROR(I/O MODULE) (continued)

Sub Code	Meaning	Cause	Remedy
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The MII communications cable which I/O module of the corresponding node number • (In case of MII communications last station) Terminator • 24V power of the corresponding I/O module
		I/O module failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
10	The I/O module connected to the serial bus #10 is different from the function of the set I/O module.	Setting error	Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode Please refer to the manual of each I/O module for the details of the setting
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The MII communications cable which I/O module of the corresponding node number • (In case of MII communications last station) Terminator • 24V power of the corresponding I/O module
		I/O module failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
11	The I/O module connected to the serial bus #11 is different from the function of the set I/O module.	Setting error	Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode Please refer to the manual of each I/O module for the details of the setting

0320: VERIFY ERROR(I/O MODULE) (continued)

Sub Code	Meaning	Cause	Remedy
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The MII communications cable which I/O module of the corresponding node number • (In case of MII communications last station) Terminator • 24V power of the corresponding I/O module
		I/O module failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
12	The I/O module connected to the serial bus #12 is different from the function of the set I/O module.	Setting error	Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode Please refer to the manual of each I/O module for the details of the setting
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The MII communications cable which I/O module of the corresponding node number • (In case of MII communications last station) Terminator • 24V power of the corresponding I/O module
		I/O module failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
13	The I/O module connected to the serial bus #13 is different from the function of the set I/O module.	Setting error	Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode Please refer to the manual of each I/O module for the details of the setting

0320: VERIFY ERROR(I/O MODULE) (continued)

Sub Code	Meaning	Cause	Remedy
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The MII communications cable which I/O module of the corresponding node number • (In case of MII communications last station) Terminator • 24V power of the corresponding I/O module
		I/O module failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
14	The I/O module connected to the serial bus #14 is different from the function of the set I/O module.	Setting error	Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode Please refer to the manual of each I/O module for the details of the setting
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The MII communications cable which I/O module of the corresponding node number • (In case of MII communications last station) Terminator • 24V power of the corresponding I/O module
		I/O module failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
15	The I/O module connected to the serial bus #15 is different from the function of the set I/O module.	Setting error	Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode Please refer to the manual of each I/O module for the details of the setting

0320: VERIFY ERROR(I/O MODULE) (continued)

Sub Code	Meaning	Cause	Remedy
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The MII communications cable which I/O module of the corresponding node number • (In case of MII communications last station) Terminator • 24V power of the corresponding I/O module
		I/O module failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
16	The I/O module connected to the 1st PCI express bus is different from the function of the set I/O module.	Setting error	Check the following settings. • PCI express slot number in which each PCI express board is mounted • I/O module settings in maintenance mode Please refer to the manual of each I/O module for the details of the setting
		I/O module failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • The corresponding I/O module (PCI express board)
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
17	The I/O module connected to the 2nd PCI express bus is different from the function of the set I/O module.	Setting error	Check the following settings. • PCI express slot number in which each PCI express board is mounted • I/O module settings in maintenance mode Please refer to the manual of each I/O module for the details of the setting
		I/O module failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • The corresponding I/O module (PCI express board)
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 0330: VERIFY ERROR(APPLICATION)

The YRC1000micro verifies that the application parameters are correctly set during a startup process. This alarm occurs if the YRC1000micro detects an error in the verification process.

Sub Code	Meaning	Cause	Remedy
		Setting error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 0340: VERIFY ERROR(SENSOR FUNCTION)

The YRC1000micro verifies that the sensor parameters are correctly set during a startup process. This alarm occurs if the YRC1000micro detects an error in the verification process.

Sub Code	Meaning	Cause	Remedy
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 0390: VERIFY ERROR(SEGMENT CLOCK)

Illegal instruction cycle is set.

Sub Code	Meaning	Cause	Remedy
	Illegal instruction cycle is set.	Setting error	Check the following settings. • Instruction execution cycle
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 0400: PARAMETER TRANSMISSION ERROR

The parameters required for the ASF30 and CBB01board operation are transferred from the ACP31 board. This alarm occurs if the parameters are not successfully transferred.

Sub Code	Meaning	Cause	Remedy
30	An error occurred during the parameter/file transfer to the ASF30 board #1.	Setting error	Check the following settings. • Control group settings in maintenance mode • The ACP31 board rotary switch setting (0) of the corresponding node number (SV#1)
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
31	An error occurred during the parameter/file transfer to the ASF30 board #2.	Setting error	Check the following settings. • Control group settings in maintenance mode • The ACP31 board rotary switch setting (1)of the corresponding node number (SV#2)
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
32	An error occurred during the parameter/file transfer to the ASF30 board #3.	Setting error	Check the following settings. • Control group settings in maintenance mode • The ACP31 board rotary switch setting (2)of the corresponding node number (SV#3)
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.

0400: PARAMETER TRANSMISSION ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
33	An error occurred during the parameter/file transfer to the ASF30 board #4.	Setting error	Check the following settings. • Control group settings in maintenance mode • The ACP31 board rotary switch setting (3)of the corresponding node number (SV#4)
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
34	An error occurred during the parameter/file transfer to the ASF30 board #5.	Setting error	Check the following settings. • Control group settings in maintenance mode • The ACP31 board rotary switch setting (4)of the corresponding node number (SV#5)
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
35	An error occurred during the parameter/file transfer to the ASF30 board #6.	Setting error	Check the following settings. • Control group settings in maintenance mode • The ACP31 board rotary switch setting (5)of the corresponding node number (SV#6)
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.

0400: PARAMETER TRANSMISSION ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
36	An error occurred during the parameter/file transfer to the ASF30 board #7.	Setting error	Check the following settings. • Control group settings in maintenance mode • The ACP31 board rotary switch setting (6)of the corresponding node number (SV#7)
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
37	An error occurred during the parameter/file transfer to the ASF30 board #8.	Setting error	Check the following settings. • Control group settings in maintenance mode • The ACP31 board rotary switch setting (7)of the corresponding node number (SV#8)
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
50	An error occurred during the parameter/file transfer to the 1st ACP31 board.	Setting error	Check the following settings. • Control group settings in maintenance mode • The ACP31 board rotary switch setting (0) of the corresponding node number (SV#1)
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		CBB01 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.

0400: PARAMETER TRANSMISSION ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 0410: MODE CHANGE ERROR

The YRC1000micro changes its operation modes during a startup process from the power-on operation until the startup process completion. Since mode change is required for the peripheral CPU boards as well as the main CPU board, the YRC1000micro simultaneously performs a process as the mode change process. This alarm occurs if the mode change is not successfully performed.

Sub Code	Meaning	Cause	Remedy
30	An error occurred during startup sequence processing with the ASF30 board #1, and the system did not startup normally.	Setting error	Check the following settings. • Control group settings in maintenance mode • The ACP31 board rotary switch setting (0) of the corresponding node number (SV#1)
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
31	An error occurred during startup sequence processing with the ASF30 board #2, and the system did not startup normally.	Setting error	Check the following settings. • Control group settings in maintenance mode • The ACP31 board rotary switch setting (1)of the corresponding node number (SV#2)
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

0410: MODE CHANGE ERROR (continued)

Sub Code	Meaning	Cause	Remedy
32	An error occurred during startup sequence processing with the ASF30 board #3, and the system did not startup normally.	Setting error	Check the following settings. • Control group settings in maintenance mode • The ACP31 board rotary switch setting (2)of the corresponding node number (SV#3)
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
33	An error occurred during startup sequence processing with the ASF30 board #4, and the system did not startup normally.	Setting error	Check the following settings. • Control group settings in maintenance mode • The ACP31 board rotary switch setting (3)of the corresponding node number (SV#4)
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
34	An error occurred during startup sequence processing with the ASF30 board #5, and the system did not startup normally.	Setting error	Check the following settings. • Control group settings in maintenance mode • The ACP31 board rotary switch setting (4)of the corresponding node number (SV#5)
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

0410: MODE CHANGE ERROR (continued)

Sub Code	Meaning	Cause	Remedy
35	An error occurred during startup sequence processing with the ASF30 board #6, and the system did not startup normally.	Setting error	Check the following settings. • Control group settings in maintenance mode • The ACP31 board rotary switch setting (5)of the corresponding node number (SV#6)
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
36	An error occurred during startup sequence processing with the ASF30 board #7, and the system did not startup normally.	Setting error	Check the following settings. • Control group settings in maintenance mode • The ACP31 board rotary switch setting (6)of the corresponding node number (SV#7)
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
37	An error occurred during startup sequence processing with the ASF30 board #8, and the system did not startup normally.	Setting error	Check the following settings. • Control group settings in maintenance mode • The ACP31 board rotary switch setting (7)of the corresponding node number (SV#8)
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

0410: MODE CHANGE ERROR (continued)

Sub Code	Meaning	Cause	Remedy
50	An error occurred during startup sequence processing with the servo CPU of 1st ACP31 board, and the system did not startup normally.	Setting error	Check the following settings. • Control group settings in maintenance mode • The ACP31 board rotary switch setting (0) of the corresponding node number (SV#1)
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
51	An error occurred during startup sequence processing with the servo CPU of 2nd ACP31 board, and the system did not startup normally.	Setting error	Check the following settings. • Control group settings in maintenance mode • The ACP31 board rotary switch setting (1)of the corresponding node number (SV#2)
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
52	An error occurred during startup sequence processing with the servo CPU of 3rd ACP31 board, and the system did not startup normally.	Setting error	Check the following settings. • Control group settings in maintenance mode • The ACP31 board rotary switch setting (2)of the corresponding node number (SV#3)
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
53	An error occurred during startup sequence processing with the servo CPU of 4th ACP31 board, and the system did not startup normally.	Setting error	Check the following settings. • Control group settings in maintenance mode • The ACP31 board rotary switch setting (3)of the corresponding node number (SV#4)
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.

0410: MODE CHANGE ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
54	An error occurred during startup sequence processing with the servo CPU of 5th ACP31 board, and the system did not startup normally.	Setting error	Check the following settings. • Control group settings in maintenance mode • The ACP31 board rotary switch setting (4)of the corresponding node number (SV#5)
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
55	An error occurred during startup sequence processing with the servo CPU of 6th ACP31 board, and the system did not startup normally.	Setting error	Check the following settings. • Control group settings in maintenance mode • The ACP31 board rotary switch setting (5)of the corresponding node number (SV#6)
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
56	An error occurred during startup sequence processing with the servo CPU of 7th ACP31 board, and the system did not startup normally.	Setting error	Check the following settings. • Control group settings in maintenance mode • The ACP31 board rotary switch setting (6)of the corresponding node number (SV#7)
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

0410: MODE CHANGE ERROR (continued)

Sub Code	Meaning	Cause	Remedy
57	An error occurred during startup sequence processing with the servo CPU of 8th ACP31 board, and the system did not startup normally.	Setting error	Check the following settings. • Control group settings in maintenance mode • The ACP31 board rotary switch setting (7)of the corresponding node number (SV#8)
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 0500: SEGMENT PROC NOT READY

To properly operate the manipulator, it is required to complete the processing of operation instructions within the specified time. This alarm occurs if the processing of operation instructions is not completed within the specified time.

Sub Code	Meaning	Cause	Remedy
		Setting error	Check the following settings. • Instruction execution cycle
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 0510: SOFTWARE VERSION UNMATCH

The combination of the ACP31 board program and the ASF30/Option board program is incorrect.

Sub Code	Meaning	Cause	Remedy
20	1st option board's interface version is not corresponding to ACP31.	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
21	2nd option board's interface version is not corresponding to ACP31.	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.

0510: SOFTWARE VERSION UNMATCH (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
30	ASF30 board connected to the 1st servo boad's software version is not corresponding to ACP31.	Software error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the ASF30 board version and then consult your YASKAWA representative.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
50	1st servo board's interface version is not corresponding to ACP31.	Software error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the ACP31 board version and then consult your YASKAWA representative.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 0520: AXIS LIMIT OVER

The number of axes exceeds the permissible value.

Sub Code	Meaning	Cause	Remedy
0		Setting error	Check the following settings. • Control group settings in maintenance mode
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 0700: VERIFY ERROR(EX IO ALLOC FILE)

The YRC1000 micro verifies that the EX IO file are correctly set during a startup process. This alarm occurs if the YRC1000 detects an error in the verification process.

Sub Code	Meaning	Cause	Remedy
		Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 0710: LADDER INITIALIZE ERROR

The ladder program could not be initialized successfully.

Sub Code	Meaning	Cause	Remedy
		Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 0720: LADDER PROGRAM ERROR

This alarm occurs if the relay number of ladder program specification is wrong.

Sub Code	Meaning	Cause	Remedy
1	An error was found in the relay No. specification.	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.

0720: LADDER PROGRAM ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	An error was found in the register No. specification.	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	An incorrect instruction was set.	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	Output register is used redundantly.	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
5	Output relay is used redundantly.	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.

0720: LADDER PROGRAM ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
6	Unconnected relay exists.	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7	The STR instructions are overused.	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8	The AND-STR instructions are overused.	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

0720: LADDER PROGRAM ERROR (continued)

Sub Code	Meaning	Cause	Remedy
9	A syntax error was found in the CNT instruction.	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
10	The head of the block starts with an instruction other than the STR instruction.	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
11	Excessive machine codes	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
12	The last instruction is not the END instruction.	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.

0720: LADDER PROGRAM ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
13	An error was found in the PART instruction.	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
14	An error was found in the GOUT instruction.	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
15	The No. of operand is incorrect.	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
16	The constant value is incorrect.	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.

0720: LADDER PROGRAM ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
17	The step capacity exceeds the memory capacity.	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
18	The number of operation instructions exceed the permissible value.	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
19	A syntax error was found in the CNT instruction or TMR instruction.	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
20	A syntax error was found in the JMP-LABEL instructions.	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.

0720: LADDER PROGRAM ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
21	The label of JMP destination does not exist.	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 0780: NT112B BOARD INIT ERROR

NT112B board could not be initialized successfully.

Sub Code	Meaning	Cause	Remedy
00003A01	NT112B board does not exist.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
00003A02	The set value of the slot number exceeds the range.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.

0780: NT112B BOARD INIT ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
00003A03	The set value of the channel number exceeds the range.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
00003A04	The set value of the priority exceeds the range.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
00003A05	Master / slave mode is out of range.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.

0780: NT112B BOARD INIT ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
00003A07	The set value of the operation mode exceeds the range.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
00003A08	The target board does not exist.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
00003A0F	Driver is not loaded.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.

0780: NT112B BOARD INIT ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
00003A13	Creating a interrupt handler is failed.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
00003AFF	System error is occurred.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
00002001	Creating a task is failed.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.

0780: NT112B BOARD INIT ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
00002002	Creating an event (semaphore) is failed.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 0781: NT112B_M3 INIT ERROR

MIII communication of NT112B board could not be initialized successfully.

Sub Code	Meaning	Cause	Remedy
FFFFFFFF	There are slave stations with incomplete transmission delay time calculation.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.

0781: NT112B_M3 INIT ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
FFFFFFFE	An error was detected with the error status of the ASIC.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
FFFFFFFD	An error occurred in the SRAM read / write check.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
00001000	Invalid user parameter is set.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.

0781: NT112B_M3 INIT ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
00001004	Request size is over.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
00001005	Invalid HostIF pointer is set.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
00001006	RAM size is over.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.

0781: NT112B_M3 INIT ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
0000100B	Sequence is incorrect.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
0000100C	The setting of the slave axis number is abnormal.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
0000100D	IO map size is abnormal.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.

0781: NT112B_M3 INIT ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
0000101E	Station number is invalid.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
0000101F	Request size is invalid.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
00001020	Size is invalid.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.

0781: NT112B_M3 INIT ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
00001021	FTYPE is invalid.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
00001030	Message abort is occurred.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
00001031	Message overflow is occurred.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.

0781: NT112B_M3 INIT ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
00001032	Message data was sent during the request.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
00001033	Request message size is abnormal.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
00001034	Message data was received during the request.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.

0781: NT112B_M3 INIT ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
00001037	Message underflow is occurred.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
00001038	Message split over is occurred.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
00002010	ASIC reset error is occurred.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.

0781: NT112B_M3 INIT ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
00002029	Global frame is unreceived.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
00003001	MODE register setting request is unfinished.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
00003002	User parameter setting request is unfinished.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.

0781: NT112B_M3 INIT ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
00003008	Synchronous communication start request is unfinished.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
00003009	Asynchronous communication start request is unfinished.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
0000301A	Response buffer switch is unfinished.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.

0781: NT112B_M3 INIT ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
0000301C	Command buffer switch is unfinished.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
00003035	Abort message is occued.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
00003036	Busy message is occued.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board

0781: NT112B_M3 INIT ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 0782: NT112B BOARD EXCEPTION

Exception is occued in NT112B board.

Sub Code	Meaning	Cause	Remedy
00000001	Inexact exception is occued in NT112B board.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
00000002	Overflow exception is occued in NT112B board.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

0782: NT112B BOARD EXCEPTION (continued)

Sub Code	Meaning	Cause	Remedy
00000003	Underflow exception is occued in NT112B board.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
00000004	Invalid division exception is occued in NT112B board.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
00000005	Zero division exception is occued in NT112B board.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

0782: NT112B BOARD EXCEPTION (continued)

Sub Code	Meaning	Cause	Remedy
00000006	Flush-to-zero exception is occued in NT112B board.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
00000007	Undefined instruction is occued in NT112B board.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
00000008	Prefetch abort is occued in NT112B board.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

0782: NT112B BOARD EXCEPTION (continued)

Sub Code	Meaning	Cause	Remedy
00000009	Supervisor instruction is occued in NT112B board.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
0000000A	Data abort is occued in NT112B board.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 0790: MEMORY BATTERY WEAK

Sub Code	Meaning	Cause	Remedy
	The ACP31 battery is exhausted.	Connection failure	Check if the battery is correctly connected to the ACP31 board.
		Battery failure	Refer to Chapter 5.1.1.1 Replacing the Battery in YRC1000 micro Maintenance manual (RE-CHO-A108) and replace the battery.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 0800: FILE BACKUP ERROR (ACP31 SD)

The YRC1000 micro saves a part of data needed for system operations on the SD Card in the ACP31 board.
When the data is changed, the new data is written on the SD Card.
This alarm occurs if this data writing cannot be done correctly.
Since this alarm occurs due to SD Card access failure, it is not recorded in the alarm history.

Sub Code	Meaning	Cause	Remedy
	The management area (FAT) of SD Card in ACP31 board is damaged.	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 0801: FILE LOAD ERROR (ACP31 SD)

The YRC1000 micro saves a part of data needed for system operations on the SD Card in the ACP31 board.
The data is read out when the controller power is turned ON.
This alarm occurs if this data reading cannot be done correctly.
Since this alarm occurs due to SD Card access failure, it is not recorded in the alarm history.

Sub Code	Meaning	Cause	Remedy
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3000	PANELBOX.LOG file broken	DATA failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, select the following menu. • [SYSTEM]-[DATA REBUILD]
		SD card failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the SD card. Save the CMOS.BIN before replace the board to be safe. Replace the SD card , and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 0802: FILE I/O ERROR (ACP31 SD)

The YRC1000 micro saves a part of data needed for system operations on the SD Card in the ACP31 board. This alarm occurs if it cannot access to the ACP01correctly.
Usually, this alarm occurs accAL-0800 and AL-0801 occurs simultaneously.
Since this alarm occurs due to SD Card access failure, it is not recorded in the alarm history.

Sub Code	Meaning	Cause	Remedy
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 0803: FILE ERROR

The YRC1000 micro software controls the detailed data of robot or motor at the extra file called [MECHA.ROM]. This alarm occurs if this file cannot be read correctly.

Sub Code	Meaning	Cause	Remedy
	An error occurred during the parameter of Manipulator Model (mecha.rom) loading.	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 0805: FILE I/O ERROR (MotoPlus)

Failed in accessing the data that manages adding or deleting MotoPlus applications.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Internal error code	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the MotoPlus temporary file in maintenance mode.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 0831: FORCE SENSOR COMMUNICATION ERROR

Comminication error of the force sensor board happen.

Sub Code	Meaning	Cause	Remedy
	Sub Code: 1000 +channel*100 +factor: 0 send complete error 1 receive time out 2 receive break letter 3 framing error 4 parity error 5 over run error 6 revceive length error 7 no STX control letter 8 no ETB control letter 9 BCC error 10 sequence number error 11 sensor detection error	Hardware failure	1. After checking the following two tems,turn the power OFF then back ON. • the connection status • the sensor type 2. If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your YASKAWA representative about occurrence status (operating procedure)

◆ 0900: WATCHDOG TIMER ERROR(ACP31 board)

The YRC1000 micro can safely stop the system with a watchdog function when an error occurred. This alarm occurs if a watchdog timeout is detected in the ACP31 board.

Sub Code	Meaning	Cause	Remedy
	A Watchdog timeout was detected in the ACP31 board.	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 0910: CPU ERROR(ACP30)

An unexpected error was detected in ACP30 (main CPU board).

Sub Code	Meaning	Cause	Remedy
	An error was detected in the CPU. 0-255:error code detected by ACP30 1000-: internal error of software	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.

0910: CPU ERROR(ACP30) (continued)

Sub Code	Meaning	Cause	Remedy
		Software operation error occurred	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 0920: WATCHDOG TIMER ERROR(ASF30#1)

The YRC1000 micro can safely stop the system with a watchdog function when an error occurred. This alarm occurs if a watchdog timeout is detected in the ASF30#1 board.

Sub Code	Meaning	Cause	Remedy
0	A Watchdog timeout was detected in the ASF30#1 board (CPU1).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1	A Watchdog timeout was detected in the ASF30#1 board (CPU2).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 0921: WATCHDOG TIMER ERROR(ASF30#2)

The YRC1000 micro can safely stop the system with a watchdog function when an error occurred. This alarm occurs if a watchdog timeout is detected in the ASF30#2 board.

Sub Code	Meaning	Cause	Remedy
0	A Watchdog timeout was detected in the ASF30#2 board (CPU1).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1	A Watchdog timeout was detected in the ASF30#2 board (CPU2).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 0922: WATCHDOG TIMER ERROR(ASF30#3)

The YRC1000 micro can safely stop the system with a watchdog function when an error occurred. This alarm occurs if a watchdog timeout is detected in the ASF30#3 board.

Sub Code	Meaning	Cause	Remedy
0	A Watchdog timeout was detected in the ASF30#3 board (CPU1).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1	A Watchdog timeout was detected in the ASF30#3 board (CPU2).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.

0922: WATCHDOG TIMER ERROR(ASF30#3) (continued)

Sub Code	Meaning	Cause	Remedy
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 0923: WATCHDOG TIMER ERROR(ASF30#4)

The YRC1000 micro can safely stop the system with a watchdog function when an error occurred. This alarm occurs if a watchdog timeout is detected in the ASF30#4 board.

Sub Code	Meaning	Cause	Remedy
0	A Watchdog timeout was detected in the ASF30#4 board (CPU1).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1	A Watchdog timeout was detected in the ASF30#4 board (CPU2).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 0924: WATCHDOG TIMER ERROR(ASF30#5)

The YRC1000 micro can safely stop the system with a watchdog function when an error occurred. This alarm occurs if a watchdog timeout is detected in the ASF30#5 board.

Sub Code	Meaning	Cause	Remedy
0	A Watchdog timeout was detected in the ASF30#5 board (CPU1).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1	A Watchdog timeout was detected in the ASF30#5 board (CPU2).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 0925: WATCHDOG TIMER ERROR(ASF30#6)

The YRC1000 micro can safely stop the system with a watchdog function when an error occurred. This alarm occurs if a watchdog timeout is detected in the ASF30#6 board.

Sub Code	Meaning	Cause	Remedy
0	A Watchdog timeout was detected in the ASF30#6 board (CPU1).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1	A Watchdog timeout was detected in the ASF30#6 board (CPU2).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.

0925: WATCHDOG TIMER ERROR(ASF30#6) (continued)

Sub Code	Meaning	Cause	Remedy
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 0926: WATCHDOG TIMER ERROR(ASF30#7)

The YRC1000 micro can safely stop the system with a watchdog function when an error occurred. This alarm occurs if a watchdog timeout is detected in the ASF30#7 board.

Sub Code	Meaning	Cause	Remedy
0	A Watchdog timeout was detected in the ASF30#7 board (CPU1).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1	A Watchdog timeout was detected in the ASF30#7 board (CPU2).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 0927: WATCHDOG TIMER ERROR(ASF30#8)

The YRC1000 micro can safely stop the system with a watchdog function when an error occurred. This alarm occurs if a watchdog timeout is detected in the ASF30#8 board.

Sub Code	Meaning	Cause	Remedy
0	A Watchdog timeout was detected in the ASF30#8 board (CPU1).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1	A Watchdog timeout was detected in the ASF30#8 board (CPU2).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 0940: WATCHDOG TIMER ERROR(SV#1)

The YRC1000 micro can safely stop the system with a watchdog function when an error occurred. This alarm occurs if a watchdog timeout is detected in the ACP31#1 board.

Sub Code	Meaning	Cause	Remedy
	A Watchdog timeout was detected in the ACP31#1 board.	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 0941: WATCHDOG TIMER ERROR(SV#2)

The YRC1000 micro can safely stop the system with a watchdog function when an error occurred. This alarm occurs if a watchdog timeout is detected in the ACP31#2 board.

Sub Code	Meaning	Cause	Remedy
	A Watchdog timeout was detected in the ACP31#2 board.	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 0950: CPU ERROR(SV#1)

The YRC1000 micro can safely stop the system even when an unexpected processing occurs on each board. This alarm occurs if an unexpected error occurs in ACP31 #1.

Sub Code	Meaning	Cause	Remedy
	An error was detected in the CPU of ACP31 #1.	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 0951: CPU ERROR(SV#2)

The YRC1000 micro can safely stop the system even when an unexpected processing occurs on each board. This alarm occurs if an unexpected error occurs in ACP31 #2.

Sub Code	Meaning	Cause	Remedy
	An error was detected in the CPU of ACP31 #2.	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 0960: CPU ERROR(ASF30#1)

The YRC1000 micro can safely stop the system even when an unexpected processing occurs on each board. This alarm occurs if an unexpected error occurs in ASF30 #1.

Sub Code	Meaning	Cause	Remedy
0	An error was detected in the CPU of ASF30 board #1 (CPU1).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1	An error was detected in the CPU of ASF30 board #1 (CPU2).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 0961: CPU ERROR(ASF30#2)

The YRC1000 micro can safely stop the system even when an unexpected processing occurs on each board. This alarm occurs if an unexpected error occurs in ASF30 #2.

Sub Code	Meaning	Cause	Remedy
0	An error was detected in the CPU of ASF30 board #2 (CPU1).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1	An error was detected in the CPU of ASF30 board #2 (CPU2).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.

0961: CPU ERROR(ASF30#2) (continued)

Sub Code	Meaning	Cause	Remedy
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 0962: CPU ERROR(ASF30#3)

The YRC1000 micro can safely stop the system even when an unexpected processing occurs on each board. This alarm occurs if an unexpected error occurs in ASF30 #3.

Sub Code	Meaning	Cause	Remedy
0	An error was detected in the CPU of ASF30 board #3 (CPU1).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1	An error was detected in the CPU of ASF30 board #3 (CPU2).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 0963: CPU ERROR(ASF30#4)

The YRC1000 micro can safely stop the system even when an unexpected processing occurs on each board. This alarm occurs if an unexpected error occurs in ASF30 #4.

Sub Code	Meaning	Cause	Remedy
0	An error was detected in the CPU of ASF30 board #4 (CPU1).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1	An error was detected in the CPU of ASF30 board #4 (CPU2).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 0964: CPU ERROR(ASF30#5)

The YRC1000 micro can safely stop the system even when an unexpected processing occurs on each board. This alarm occurs if an unexpected error occurs in ASF30 #5.

Sub Code	Meaning	Cause	Remedy
0	An error was detected in the CPU of ASF30 board #5 (CPU1).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1	An error was detected in the CPU of ASF30 board #5 (CPU2).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.

0964: CPU ERROR(ASF30#5) (continued)

Sub Code	Meaning	Cause	Remedy
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 0965: CPU ERROR(ASF30#6)

The YRC1000 micro can safely stop the system even when an unexpected processing occurs on each board. This alarm occurs if an unexpected error occurs in ASF30 #6.

Sub Code	Meaning	Cause	Remedy
0	An error was detected in the CPU of ASF30 board #6 (CPU1).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1	An error was detected in the CPU of ASF30 board #6 (CPU2).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 0966: CPU ERROR(ASF30#7)

The YRC1000 micro can safely stop the system even when an unexpected processing occurs on each board. This alarm occurs if an unexpected error occurs in ASF30 #7.

Sub Code	Meaning	Cause	Remedy
0	An error was detected in the CPU of ASF30 board #7 (CPU1).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1	An error was detected in the CPU of ASF30 board #7 (CPU2).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 0967: CPU ERROR(ASF30#8)

The YRC1000 micro can safely stop the system even when an unexpected processing occurs on each board. This alarm occurs if an unexpected error occurs in ASF30 #8.

Sub Code	Meaning	Cause	Remedy
0	An error was detected in the CPU of ASF30 board #8 (CPU1).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1	An error was detected in the CPU of ASF30 board #8 (CPU2).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.

0967: CPU ERROR(ASF30#8) (continued)

Sub Code	Meaning	Cause	Remedy
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 0970: CPU ERROR(ASF30#1)

The YRC1000 micro can safely stop the system even when an unexpected processing occurs on each board. This alarm occurs if an unexpected error occurs in ASF30#1 board.

Sub Code	Meaning	Cause	Remedy
0	An error was detected in the CPU of ASF30 board #1 (CPU1).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1	An error was detected in the CPU of ASF30 board #1 (CPU2).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 0971: CPU ERROR(ASF30#2)

The YRC1000 micro can safely stop the system even when an unexpected processing occurs on each board. This alarm occurs if an unexpected error occurs in ASF30#2 board.

Sub Code	Meaning	Cause	Remedy
0	An error was detected in the CPU of ASF30 board #2 (CPU1).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1	An error was detected in the CPU of ASF30 board #2 (CPU2).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 0972: CPU ERROR(ASF30#3)

The YRC1000 micro can safely stop the system even when an unexpected processing occurs on each board. This alarm occurs if an unexpected error occurs in ASF30#3 board.

Sub Code	Meaning	Cause	Remedy
0	An error was detected in the CPU of ASF30 board #3 (CPU1).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1	An error was detected in the CPU of ASF30 board #3 (CPU2).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.

0972: CPU ERROR(ASF30#3) (continued)

Sub Code	Meaning	Cause	Remedy
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 0973: CPU ERROR(ASF30#4)

The YRC1000 micro can safely stop the system even when an unexpected processing occurs on each board. This alarm occurs if an unexpected error occurs in ASF30#4 board.

Sub Code	Meaning	Cause	Remedy
0	An error was detected in the CPU of ASF30 board #4 (CPU1).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1	An error was detected in the CPU of ASF30 board #4 (CPU2).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 0974: CPU ERROR(ASF30#5)

The YRC1000 micro can safely stop the system even when an unexpected processing occurs on each board. This alarm occurs if an unexpected error occurs in ASF30#5 board.

Sub Code	Meaning	Cause	Remedy
0	An error was detected in the CPU of ASF30 board #5 (CPU1).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1	An error was detected in the CPU of ASF30 board #5 (CPU2).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 0975: CPU ERROR(ASF30#6)

The YRC1000 micro can safely stop the system even when an unexpected processing occurs on each board. This alarm occurs if an unexpected error occurs in ASF30#6 board.

Sub Code	Meaning	Cause	Remedy
0	An error was detected in the CPU of ASF30 board #6 (CPU1).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1	An error was detected in the CPU of ASF30 board #6 (CPU2).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.

0975: CPU ERROR(ASF30#6) (continued)

Sub Code	Meaning	Cause	Remedy
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 0976: CPU ERROR(ASF30#7)

The YRC1000 micro can safely stop the system even when an unexpected processing occurs on each board. This alarm occurs if an unexpected error occurs in ASF30#7 board.

Sub Code	Meaning	Cause	Remedy
0	An error was detected in the CPU of ASF30 board #7 (CPU1).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1	An error was detected in the CPU of ASF30 board #7 (CPU2).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 0977: CPU ERROR(ASF30#8)

The YRC1000 micro can safely stop the system even when an unexpected processing occurs on each board. This alarm occurs if an unexpected error occurs in ASF30#8 board.

Sub Code	Meaning	Cause	Remedy
0	An error was detected in the CPU of ASF30 board #8 (CPU1).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1	An error was detected in the CPU of ASF30 board #8 (CPU2).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 0980: WATCHDOG TIMER ERROR(ASF30#1)

The YRC1000 micro can safely stop the system with a watchdog function when an error occurred. This alarm occurs if a watchdog timeout is detected in the ASF30#1 board.

Sub Code	Meaning	Cause	Remedy
0	A Watchdog timeout was detected in the ASF30 board #1 (CPU1).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1	A Watchdog timeout was detected in the ASF30 board #1 (CPU2).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.

0980: WATCHDOG TIMER ERROR(ASF30#1) (continued)

Sub Code	Meaning	Cause	Remedy
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 0981: WATCHDOG TIMER ERROR(ASF30#2)

The YRC1000 micro can safely stop the system with a watchdog function when an error occurred. This alarm occurs if a watchdog timeout is detected in the ASF30#2 board.

Sub Code	Meaning	Cause	Remedy
0	A Watchdog timeout was detected in the ASF30 board #2 (CPU1).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1	A Watchdog timeout was detected in the ASF30 board #2 (CPU2).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 0982: WATCHDOG TIMER ERROR(ASF30#3)

The YRC1000 micro can safely stop the system with a watchdog function when an error occurred. This alarm occurs if a watchdog timeout is detected in the ASF30#3 board.

Sub Code	Meaning	Cause	Remedy
0	A Watchdog timeout was detected in the ASF30 board #3 (CPU1).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1	A Watchdog timeout was detected in the ASF30 board #3 (CPU2).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 0983: WATCHDOG TIMER ERROR(ASF30#4)

The YRC1000 micro can safely stop the system with a watchdog function when an error occurred. This alarm occurs if a watchdog timeout is detected in the ASF30#4 board.

Sub Code	Meaning	Cause	Remedy
0	A Watchdog timeout was detected in the ASF30 board #4 (CPU1).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1	A Watchdog timeout was detected in the ASF30 board #4 (CPU2).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.

0983: WATCHDOG TIMER ERROR(ASF30#4) (continued)

Sub Code	Meaning	Cause	Remedy
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 0984: WATCHDOG TIMER ERROR(ASF30#5)

The YRC1000 micro can safely stop the system with a watchdog function when an error occurred. This alarm occurs if a watchdog timeout is detected in the ASF30#5 board.

Sub Code	Meaning	Cause	Remedy
0	A Watchdog timeout was detected in the ASF30 board #5 (CPU1).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1	A Watchdog timeout was detected in the ASF30 board #5 (CPU2).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 0985: WATCHDOG TIMER ERROR(ASF30#6)

The YRC1000 micro can safely stop the system with a watchdog function when an error occurred. This alarm occurs if a watchdog timeout is detected in the ASF30#6 board.

Sub Code	Meaning	Cause	Remedy
0	A Watchdog timeout was detected in the ASF30 board #6 (CPU1).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1	A Watchdog timeout was detected in the ASF30 board #6 (CPU2).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 0986: WATCHDOG TIMER ERROR(ASF30#7)

The YRC1000 micro can safely stop the system with a watchdog function when an error occurred. This alarm occurs if a watchdog timeout is detected in the ASF30#7 board.

Sub Code	Meaning	Cause	Remedy
0	A Watchdog timeout was detected in the ASF30 board #7 (CPU1).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1	A Watchdog timeout was detected in the ASF30 board #7 (CPU1).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.

0986: WATCHDOG TIMER ERROR(ASF30#7) (continued)

Sub Code	Meaning	Cause	Remedy
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 0987: WATCHDOG TIMER ERROR(ASF30#8)

The YRC1000 micro can safely stop the system with a watchdog function when an error occurred. This alarm occurs if a watchdog timeout is detected in the ASF30#8 board.

Sub Code	Meaning	Cause	Remedy
0	A Watchdog timeout was detected in the ASF30 board #8 (CPU1).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1	A Watchdog timeout was detected in the ASF30 board #8 (CPU2).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 0990: SYSTEM ERROR(ACP31)

This alarm occurs if an unexpected error occurs in ACP31 board.

Sub Code	Meaning	Cause	Remedy
1	ACP30 board detect the Controller power off signal (Power lost signal) of ACP31 board when the control power turned ON. This alarm may occur, when the control power turned OFF before an online screen is displayed by a programming pendant,	Execute condition failure	Turn the power OFF after the online window appears on the programming pendant.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		PS01 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	ACP30 board detect the WATCHDOG TIMER ERROR of ACP31 board when the control power turned ON.	ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		PS01 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	ACP30board detect the Servo IF Initialize error of ACP31 board when the control power turned ON.	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		PS01 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

0990: SYSTEM ERROR(ACP31) (continued)

Sub Code	Meaning	Cause	Remedy
4	ACP30 board detect the IO IF Initialize error of ACP31 board when the control power turned ON.	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		PS01 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
5	Processing time error of the IO processing	ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		PS01 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
6	Processing time error of the SV comminucation,	ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		PS01 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7	It was detected that AC power supply became less than the specified voltage.	PS01 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

1.2 Alarm Number (1000 to 1999)

◆ 1000: ROM ERROR(ACP30)

A checksum error occurred in the ROM of ACP30 (main CPU board).

Sub Code	Meaning	Cause	Remedy
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1001: ROM ERROR(ACP31)

This alarm is caused by faulty data in ROM of ACP31 board.

Sub Code	Meaning	Cause	Remedy
11	A checksum error occurred in the board or the EEPROM.(*: axis No.)	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
12	A checksum error occurred in the board or the EEPROM.(*: axis No.)	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
13	A checksum error occurred in the board or the EEPROM.(*: axis No.)	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
14	A checksum error occurred in the board or the EEPROM.(*: axis No.)	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
15	A checksum error occurred in the board or the EEPROM.(*: axis No.)	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
16	A checksum error occurred in the board or the EEPROM.(*: axis No.)	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.

1001: ROM ERROR(ACP31) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
17	A checksum error occurred in the board or the EEPROM.(*: axis No.)	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
18	A checksum error occurred in the board or the EEPROM.(*: axis No.)	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
20	The SRDY signal did not turn ON after the WRITE ENABLE command was written. (EEPROM WRITE ENABLE error)	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
21	The SRDY signal did not turn ON after the WRITE PROTECT command was written. (EEPROM WRITE PROTECT error)	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
22	The SRDY signal did not turn ON after the ERASE command was written. (EEPROM ERASE error)	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
23	The SRDY signal did not turn ON after the CLEAR command was written. (EEPROM CLEAR error)	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
24	The SRDY signal did not turn ON after data were written. (EEPROM writing error)	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

1001: ROM ERROR(ACP31) (continued)

Sub Code	Meaning	Cause	Remedy
25	The SRDY signal did not turn ON after data were read. (EEPROM reading error)	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
26	The written data were rejected at verification. (EEPROM verify error)	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1020: MotoPlus (APPLICATION LOAD ERROR)

Failed at loading MotoPlus application.

Sub Code	Meaning	Cause	Remedy
1	The number of the Application files "*.OUT" in the SD card of controller is over the limit.	Setting error	Delete unnecessary application files "*.out" by MotoPlus menu in the maintenance mode in order not to exceed the file number limitation.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
2	Insufficient memory space. At the loading time, remaining CPU memory is less than 2MByte (Stipulated memory size for MotoPro) .	Setting error	Under current system configuration and option function combination, there is not enough memory to run MotoPlus application. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure). It may be necessary to replace the controller with the one with larger memory.
3	MotoPlus application folder "/Application"cannot be found.	Setting error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
4	Memory size (Code area + static variable area) required by MotoPlus Application is over the limit(2Mbyte).	Setting error	1. Check the static memory definition of the application program. 2. Redesign the application program in order not to exceed the memory size limitation.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
5	Undefined symbols are included in the application. The Symbols are not included in the MotoPlusAPI library or standard function library.	Setting error	Check that the application program doesn't include any undefined symbols such as function and constant that are not provided by the system.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

1020: MotoPlus (APPLICATION LOAD ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
6	Load failure (The application cannot be loaded since the memory (program area + static variable area) that the MotoPlus application requires exceeds the specified value (2MByte) .)	Setting error	1. Check if the static variables are correctly defined in the MotoPlus application. 2. Review the MotoPlus application program so that the memory used for it doesn't exceed the specified value. 3. Check if the object files are correctly created by MotoPlusIDE.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
7	API library initialization failure because of Insufficient system memory to load MotoPlusAPI library	Setting error	Under current system configuration and the combination of optional functions, controller doesn't have enough memory to run MotoPlus application. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure). It may be necessary to change the controller to the one with a large-capacity memory.
8	User root task "mpUsrRoot()" not included in the application	Setting error	Check if mpUsrRoot() is described in the application program.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
9	User root task generation failure	Setting error	Under current system configuration and the combination of optional functions, the controller doesn't have enough memory to run MotoPlus application. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure). It may be necessary to change the controller to the one with a large-capacity memory.
10	RAM-Disk generation failure	Setting error	Under current system configuration and the combination of optional functions, the controller doesn't have enough memory to run MotoPlus application. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure). It may be necessary to change the controller to the one with a large-capacity memory.
16	Same name application files exist.	Setting error	Delete the same name application file.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1030: MEMORY ERROR(PARAMETER FILE)

This alarm occurs when an error is detected during total check of parameters.

Sub Code	Meaning	Cause	Remedy
0	RCD, RCxG parameter error	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate parameter file in maintenance mode, and then load the parameter file saved in the external memory device.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
1	ROxG parameter error	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate parameter file in maintenance mode, and then load the parameter file saved in the external memory device.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
2	SVD, SVxG parameter error	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate parameter file in maintenance mode, and then load the parameter file saved in the external memory device.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
3	SVMxG parameter error	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate parameter file in maintenance mode, and then load the parameter file saved in the external memory device.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
4	S1CxG, S2C, S3C, S4C parameter error	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate parameter file in maintenance mode, and then load the parameter file saved in the external memory device.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.

1030: MEMORY ERROR(PARAMETER FILE) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
5	S1D, S2D, S3D, S4D parameter error	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate parameter file in maintenance mode, and then load the parameter file saved in the external memory device.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
6	CIO parameter error	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate parameter file in maintenance mode, and then load the parameter file saved in the external memory device.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
7	FD parameter error	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate parameter file in maintenance mode, and then load the parameter file saved in the external memory device.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
8	A1P, A2P, ..., A8P parameter error	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate parameter file in maintenance mode, and then load the parameter file saved in the external memory device.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
9	RS parameter error	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate parameter file in maintenance mode, and then load the parameter file saved in the external memory device.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.

1030: MEMORY ERROR(PARAMETER FILE) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
10	S1E, S2E, ..., S8E parameter error	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate parameter file in maintenance mode, and then load the parameter file saved in the external memory device.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
11	SVCxB parameter error	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate parameter file in maintenance mode, and then load the parameter file saved in the external memory device.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
12	AMCxG parameter error	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate parameter file in maintenance mode, and then load the parameter file saved in the external memory device.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
13	SVPxG parameter error	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate parameter file in maintenance mode, and then load the parameter file saved in the external memory device.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
14	MFxG parameter error	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate parameter file in maintenance mode, and then load the parameter file saved in the external memory device.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.

1030: MEMORY ERROR(PARAMETER FILE) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
15	SVSxB parameter error	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate parameter file in maintenance mode, and then load the parameter file saved in the external memory device.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
16	RExG parameter error	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate parameter file in maintenance mode, and then load the parameter file saved in the external memory device.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
17	FMSxB parameter error	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate parameter file in maintenance mode, and then load the parameter file saved in the external memory device.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1031: MEMORY ERROR(MOTION1)

Data error occurred in the file data used by MOTION section.

Sub Code	Meaning	Cause	Remedy
0	"GET FILE" instruction, "SET FILE" instruction execution target file	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
1	Home position calibration file	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.

1031: MEMORY ERROR(MOTION1) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
2	Tool file	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
3	User coordinates file	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
4	Robot calibration file	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
5	Tool calibration file	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
6	Weaving amplitude condition file	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
7	Home position correction data file	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
8	Conveyor calibration file	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.

1031: MEMORY ERROR(MOTION1) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
9	Arm and tool interference prevention file	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
20	Weaving file	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
27	Path correction condition file	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
32	Sensor monitoring condition file	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
34	Conveyor condition file	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
36	Servo float condition file	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
42	Anticipation OT# output file	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.

1031: MEMORY ERROR(MOTION1) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
43	Anticipation OG# output file	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
44	Handling condition file	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
45	Form cut file	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
47	Linear servo float condition file	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
48	Macro definition file	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
53	Job registration table	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
64	Conveyor condition auxiliary file	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.

1031: MEMORY ERROR(MOTION1) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
67	Palletizing condition file	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
69	Mastering registration position	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
91	Svclamp file	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
93	Tool confirmation file	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1033: MEMORY ERROR(MODEL DATA FILE)

The modele data file is abnormal.

Sub Code	Meaning	Cause	Remedy
	Sub;Model file number	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate data, and then load the data saved in the external memory device.

◆ 1034: MEMORY ERROR(F-CONDITION FILE)

The force condition file is abnormal.

Sub Code	Meaning	Cause	Remedy
	Sub;force condition file number	Data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, initialize the appropriate data, and then load the data saved in the external memory device.

◆ 1050: SET-UP PROCESS ERROR(SYSCON)

The system software monitors if the setup of MOTION section software is properly completed when the power turned ON. This alarm occurs if the MOTION section software fails to properly complete the setup.
Note that the alarm AL-1051 (SET-UP PROCESS ERROR) occurs in conjunction with this alarm. (For details, refer to AL-1051.)
The error and message of interior temperature error and interior fan error might be complicated because it doesn't starting up normally in this state.

Sub Code	Meaning	Cause	Remedy
1	Motion instruction setup incomplete.	ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
2	Online error	ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1051: SET-UP PROCESS ERROR(MOTION)

Setup process of MOTION section was not properly completed when the power turned ON.

Sub Code	Meaning	Cause	Remedy
1	Unable to properly activate the servo control	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	The position data of when the power supply was turned OFF cannot be transmitted to the servo control section	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	The servo control section cannot receive the position data of when the power supply was turned OFF	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
5	Unable to send a request to turn ON the PG power supply for the mounted (PICK) axis	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
6	Unable to turn ON the PG power supply for the mounted (PICK) axis	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7	Unable to send a request to prepare a feedback pulse	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8	Unable to prepare a feedback pulse	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.

1051: SET-UP PROCESS ERROR(MOTION) (continued)

Sub Code	Meaning	Cause	Remedy
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
9	Unable to send a request to initialize the arithmetic section (ARITH)	ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the ACP01 board. Save the CMOS.BIN before replace the board to be safe. Replace the ACP01 board, and then remove the SD from the failure ACP01 board to insert it into the new ACP01 board.
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
10	Unable to initialize ARITH	ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the ACP01 board. Save the CMOS.BIN before replace the board to be safe. Replace the ACP01 board, and then remove the SD from the failure ACP01 board to insert it into the new ACP01 board.
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
11	Unable to send a request to prepare the current position	ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the ACP01 board. Save the CMOS.BIN before replace the board to be safe. Replace the ACP01 board, and then remove the SD from the failure ACP01 board to insert it into the new ACP01 board.
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
12	Unable to prepare the current position	ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the ACP01 board. Save the CMOS.BIN before replace the board to be safe. Replace the ACP01 board, and then remove the SD from the failure ACP01 board to insert it into the new ACP01 board.
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 1100: SYSTEM ERROR

An unknown alarm was detected.

Sub Code	Meaning	Cause	Remedy
	Sub Code C, B, F : Subcode of unknown alarm	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
		RAM software data error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1101: SYSTEM ERROR(MAN-MACHINE MECHA)

An error occurred during the system control check.

Sub Code	Meaning	Cause	Remedy
	Sub Code 0 to 19: Internal control error in software	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1102: SYSTEM ERROR(MAN-MACHINE APPLI)

An error occurred during the system control check.

Sub Code	Meaning	Cause	Remedy
	Sub Code 0 to 16383: Internal control error in software	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1103: SYSTEM ERROR(EVENT)

An error occurred during the system event data control check.

Sub Code	Meaning	Cause	Remedy
	Sub Code 1 to 8: Internal control error in software	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1104: SYSTEM ERROR(CIO)

An error occurred during the system I/O control check.

Sub Code	Meaning	Cause	Remedy
	Sub Code 1000_0000: I/O module setting error	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Setting error	1. Turn the power OFF then back ON. 2. If the error occurs again, set the I/O module again in maintenance mode. 3. If the error occurs again though the previous measures were executed, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1105: SYSTEM ERROR(SERVO)

An error occurred during the ACP31 board control check.

Sub Code	Meaning	Cause	Remedy
0	No processing corresponds to the command code sent from MOTION section.	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
15	A communication cycle with MOTION section is incorrect.	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
21	A task request was sent to an axis in the alarm status.	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

1105: SYSTEM ERROR(SERVO) (continued)

Sub Code	Meaning	Cause	Remedy
30	The linear servo float function or gun arm bend compensation function does not support the manipulator type.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
37	The manipulator (B-axis) passed the singular point while the linear servo float or gun arm bend compensation function is running.	Setting error	Correct the job so that the manipulator (B-axis) does not pass the singular point while the linear servo float or gun arm bend compensation function is running.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
38	The wrist axes correction angle surpassed its limit while the linear servo float or gun arm bend compensation function is running.	Setting error	1. Correct the teaching point where this alarm occurs. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
47	The alarm number is illegal.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
49	Parameter was changed during execution of servo float function.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
70	The ASF30 board doesn't support the external axis individual control by the secondary contactor.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
80	DIN signal No. 5 is used although DIN signal extension is not valid.	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
81	DIN signal No. 6 is used although DIN signal extension is not valid.	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
82	AXIN signal No. 1 is used although DIN signal extension is valid.	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

1105: SYSTEM ERROR(SERVO) (continued)

Sub Code	Meaning	Cause	Remedy
83	AXIN signal No. 2 is used although DIN signal extension is valid.	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
90	An error was detected in the voltage value of the CPS01 board.	Short circuit or ground fault	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the brake connection if there is a ground fault or short circuit.
		CPS01 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
91	An error was detected in the voltage value of the CPS01 board.	Short circuit or ground fault	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the brake connection if there is a ground fault or short circuit.
		CPS01 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
92	An error was detected in the voltage value of the CPS01 board.	Short circuit or ground fault	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the brake connection if there is a ground fault or short circuit.
		CPS01 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
93	An error was detected in the voltage value of the CPS01 board.	Short circuit or ground fault	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the brake connection if there is a ground fault or short circuit.
		CPS01 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
94	An error was detected in the voltage value of the CPS01 board.	Short circuit or ground fault	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the brake connection if there is a ground fault or short circuit.
		CPS01 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
95	An error was detected in the voltage value of the CPS01 board.	Short circuit or ground fault	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the brake connection if there is a ground fault or short circuit.
		CPS01 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
96	An error was detected in the voltage value of the CPS01 board.	Short circuit or ground fault	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the brake connection if there is a ground fault or short circuit.
		CPS01 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.

1105: SYSTEM ERROR(SERVO) (continued)

Sub Code	Meaning	Cause	Remedy
97	An error was detected in the voltage value of the CPS01 board.	Short circuit or ground fault	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the brake connection if there is a ground fault or short circuit.
		CPS01 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
98	An error was detected in the voltage value of the CPS01 board.	Short circuit or ground fault	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the brake connection if there is a ground fault or short circuit.
		CPS01 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
99	An error was detected in the voltage value of the CPS01 board.	Short circuit or ground fault	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the brake connection if there is a ground fault or short circuit.
		CPS01 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
100	The sequence was untimely executed in the general-purpose 12ms process although it was not the execution timing.	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
101	The sequence was untimely executed in the SV_M data sub process although it was not the execution timing.	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
103	The sequence was untimely executed in the general-purpose 2ms process although it was not the execution timing.	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
104	The sequence was untimely executed in the general-purpose 4ms process although it was not the execution timing.	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

1105: SYSTEM ERROR(SERVO) (continued)

Sub Code	Meaning	Cause	Remedy
105	The sequence was untimely executed in the dynamics calculation process although it was not the execution timing.	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
106	The sequence was untimely executed in the dynamics compensation process although it was not the execution timing.	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
108	The sequence was untimely executed in the MCPU sending and receiving process although it was not the execution timing.	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
109	The sequence was untimely executed in the SV_M data process although it was not the execution timing.	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
110	The universal three clock process executing sequence error process was executed according to unexpected timing.	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
112	The sequence was untimely executed in the general-purpose_OPT1 process although it was not the execution timing.	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
113	The sequence was untimely executed in the general-purpose_OPT2 process although it was not the execution timing.	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.

1105: SYSTEM ERROR(SERVO) (continued)

Sub Code	Meaning	Cause	Remedy
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
120	A general-purpose 12ms process did not complete within the time set on the scheduling table.	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
121	The SV_M data sub process did not complete within the time set on the scheduling table.	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
123	The general-purpose 2ms process did not complete within the time set on the scheduling table.	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
124	The general-purpose 4ms process did not complete within the time set on the scheduling table.	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
125	The dynamics calculation process did not complete within the time set on the scheduling table.	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
126	The dynamics compensation process did not complete within the time set on the scheduling table.	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

1105: SYSTEM ERROR(SERVO) (continued)

Sub Code	Meaning	Cause	Remedy
128	The dynamics calculation process did not complete within the time set on the scheduling table.	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
129	The MCPU sending and receiving process did not complete within the time set on the scheduling table.	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
130	The SV_M data process did not complete within the time set on the scheduling table.	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
131	The universal three clock process did not complete within the time set on the scheduling table.	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
132	The general-purpose_OPT1 process did not complete within the time set on the scheduling table.	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
133	The general-purpose_OPT2 process did not complete within the time set on the scheduling table.	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
151	The averaging time is not an even number. (times)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

1105: SYSTEM ERROR(SERVO) (continued)

Sub Code	Meaning	Cause	Remedy
160	The micro program interface did not complete within the time set on the scheduling table.	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
170	The parameter MFxG162 is not valid although the collision detection level data exists.	Setting error	Check the parameter setting value. If MFxG162 is set to the number other than 1 (gun axis), change the setting to 1.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
200	The notch filter doesn't become effective after shifting to PLAY mode.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
270	An error was detected in the voltage value of the CPS01 board.	Short circuit or ground fault	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the brake connection if there is a ground fault or short circuit.
		CPS01 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
271	An error was detected in the voltage value of the CPS01 board.	Short circuit or ground fault	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the brake connection if there is a ground fault or short circuit.
		CPS01 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
272	An error was detected in the voltage value of the CPS01 board.	Short circuit or ground fault	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the brake connection if there is a ground fault or short circuit.
		CPS01 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
273	An error was detected in the voltage value of the CPS01 board.	Short circuit or ground fault	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the brake connection if there is a ground fault or short circuit.
		CPS01 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
274	An error was detected in the voltage value of the CPS01 board.	Short circuit or ground fault	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the brake connection if there is a ground fault or short circuit.
		CPS01 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.

1105: SYSTEM ERROR(SERVO) (continued)

Sub Code	Meaning	Cause	Remedy
275	An error was detected in the voltage value of the CPS01 board.	Short circuit or ground fault	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the brake connection if there is a ground fault or short circuit.
		CPS01 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
276	An error was detected in the voltage value of the CPS01 board.	Short circuit or ground fault	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the brake connection if there is a ground fault or short circuit.
		CPS01 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
277	An error was detected in the voltage value of the CPS01 board.	Short circuit or ground fault	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the brake connection if there is a ground fault or short circuit.
		CPS01 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
278	An error was detected in the voltage value of the CPS01 board.	Short circuit or ground fault	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the brake connection if there is a ground fault or short circuit.
		CPS01 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
279	An error was detected in the voltage value of the CPS01 board.	Short circuit or ground fault	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the brake connection if there is a ground fault or short circuit.
		CPS01 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
303	The difference between the base torque and the target torque exceeded the threshold in the jig robot bending correction.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
304	A base block ON signal is outputed when the base block should be released.	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
305	A base block release signal is outputed when the base block should be turned ON .	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

1105: SYSTEM ERROR(SERVO) (continued)

Sub Code	Meaning	Cause	Remedy
306	The specific flag of blake line check excution axis is not turned off at previous check.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
700	Data inconsistent status occurred at the start of measurement in the Pendant Oscilloscope Function.	Software operation error occurred	1. Turn the power OFF then back ON, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
701	Data inconsistent status occurred during the measurement in the Pendant Oscilloscope Function.	Software operation error occurred	1. Turn the power OFF then back ON, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
1000	The check item number of SVD parameter is unmatched.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1001	The check item number of SV parameter is unmatched.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1002	The check item number of SVM parameter is unmatched.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1003	The check item number of SVP parameter is unmatched.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1004	The check item number of AMC parameter is unmatched.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1005	The check item number of MFG parameter is unmatched.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1006	The check item number of MFA parameter is unmatched.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1007	The check item number of SVC parameter is unmatched.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1008	The check item number of SE parameter is unmatched.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

1105: SYSTEM ERROR(SERVO) (continued)

Sub Code	Meaning	Cause	Remedy
1009	The check item number of SVC parameter is unmatched.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2100	The motioning software is not used with circuit board as target.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2200	The notification command of the test pattern cannot be received.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2500	The JL077 in which the each fault signal is recognized but no notification is sent from the converter.	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
4001	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4002	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4003	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4004	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4005	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4006	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4007	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4008	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

1105: SYSTEM ERROR(SERVO) (continued)

Sub Code	Meaning	Cause	Remedy
4009	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4010	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4011	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4012	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4013	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4014	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4015	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4016	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4017	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4018	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4019	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4020	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

1105: SYSTEM ERROR(SERVO) (continued)

Sub Code	Meaning	Cause	Remedy
4021	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4022	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4023	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4024	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4025	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4026	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4027	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4028	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4029	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4030	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4031	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4032	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

1105: SYSTEM ERROR(SERVO) (continued)

Sub Code	Meaning	Cause	Remedy
4033	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4034	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4035	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4036	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4037	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4038	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4039	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4040	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4041	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4042	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4043	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4044	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

1105: SYSTEM ERROR(SERVO) (continued)

Sub Code	Meaning	Cause	Remedy
4045	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4046	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4047	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4048	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4049	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4050	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4051	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4052	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4053	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4054	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4055	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4056	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

1105: SYSTEM ERROR(SERVO) (continued)

Sub Code	Meaning	Cause	Remedy
4057	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4058	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4059	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4060	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4061	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4062	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4063	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4064	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4065	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4066	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4067	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4068	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

1105: SYSTEM ERROR(SERVO) (continued)

Sub Code	Meaning	Cause	Remedy
4069	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4070	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4071	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4072	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4073	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4074	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4075	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4076	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4077	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4078	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4079	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4080	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

1105: SYSTEM ERROR(SERVO) (continued)

Sub Code	Meaning	Cause	Remedy
4081	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4082	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4083	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4084	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4085	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4086	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4087	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4088	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4089	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4090	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4091	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4092	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

1105: SYSTEM ERROR(SERVO) (continued)

Sub Code	Meaning	Cause	Remedy
4093	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4094	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4095	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4096	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4097	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4098	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4099	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4100	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4101	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4102	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4103	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4104	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

1105: SYSTEM ERROR(SERVO) (continued)

Sub Code	Meaning	Cause	Remedy
4105	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4106	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4107	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4108	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4109	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4110	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4111	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4112	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4113	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4114	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4115	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4116	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

1105: SYSTEM ERROR(SERVO) (continued)

Sub Code	Meaning	Cause	Remedy
4117	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4118	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4119	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4120	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4121	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4122	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4123	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4124	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4125	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4126	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4127	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4128	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

1105: SYSTEM ERROR(SERVO) (continued)

Sub Code	Meaning	Cause	Remedy
4129	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4130	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4131	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4132	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4133	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4134	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4135	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4136	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4137	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4138	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4139	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4140	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

1105: SYSTEM ERROR(SERVO) (continued)

Sub Code	Meaning	Cause	Remedy
4141	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4142	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4143	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4144	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4145	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4146	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4147	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4148	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4149	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4150	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4151	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4152	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

1105: SYSTEM ERROR(SERVO) (continued)

Sub Code	Meaning	Cause	Remedy
4153	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4154	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4155	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4156	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4157	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4158	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4159	Execution of motion command did not complete within a certain time period. (***: command code No.)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4500	The servo board is not a large capacity board althogh a large capacity amplifier is assigned.	Setting error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4501	The received alarm code is invalid.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4600	The axis number assigned as external mecha brake is already used.	Setting error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
6036	The value set for A1P36 exeeds the permissible value.	Setting error	The value set for A1P36 exeeds the permissible value.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
6092	The value set for A1P92 exeeds the permissible value.	Setting error	The value set for A1P92 exeeds the permissible value.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

1105: SYSTEM ERROR(SERVO) (continued)

Sub Code	Meaning	Cause	Remedy
7201	Interpolation cycle is shorter than the set value.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7202	Interpolation cycle is shorter than the set value.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7203	Interpolation cycle is shorter than the set value.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7204	Interpolation cycle is shorter than the set value.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7205	Interpolation cycle is shorter than the set value.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7206	Interpolation cycle is shorter than the set value.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7207	Interpolation cycle is shorter than the set value.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7208	Interpolation cycle is shorter than the set value.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7209	Interpolation cycle is shorter than the set value.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7401	Buffer-related area for category 1 has not completed initialization.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7402	Buffer-related area for category 1 has not completed initialization.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7403	Buffer-related area for category 1 has not completed initialization.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

1105: SYSTEM ERROR(SERVO) (continued)

Sub Code	Meaning	Cause	Remedy
7404	Buffer-related area for category 1 has not completed initialization.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7405	Buffer-related area for category 1 has not completed initialization.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7406	Buffer-related area for category 1 has not completed initialization.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7407	Buffer-related area for category 1 has not completed initialization.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7408	Buffer-related area for category 1 has not completed initialization.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7409	Buffer-related area for category 1 has not completed initialization.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7500	Direct-in number setting error (NSRCH)	Setting error	Three or more direct-in numbers are set for NSRCH instruction. Check the direct-in number setting.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
8300	The setting value for motor is not appropriate.	Setting error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8500	ASF04 board Pullback axis mismatch	Setting error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
8501	ASF04 board Pullback signal not detected	Setting error	Check the following settings. Pullback signal
		ASF04 board failure	If ASF04 board is used, need to confirm the following. 1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the ASF04 board. Save the CMOS.BIN before replace the board to be safe.
		Setting error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

1105: SYSTEM ERROR(SERVO) (continued)

Sub Code	Meaning	Cause	Remedy
9000	Two port RAM interface error between ACP31 and ASF30 occurred.	Setting error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
9001	The alarm cord is not registered.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
9006	A certain time passed when WDT error is detected.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
9007	A certain time passed when WDT error is detected.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
9008	Cannot reboot the robot system by CPU reset operation.	Setting error	Robot Detachement Function or Axes Detachment Function is activated. Disable the detachment function or cycle the controller power to restart the system.
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
9010	The size of variable-define data is mismatched.	Setting error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
9011	The size of variable-define data is mismatched.	Setting error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
9012	The size of variable-define data is mismatched.	Setting error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
9021	Common-parameter writing timeout was detected.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
9022	JL086-parameter writing timeout for each axis was detected.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
9023	Parameter writing timeout for each axis was detected.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

1105: SYSTEM ERROR(SERVO) (continued)

Sub Code	Meaning	Cause	Remedy
9024	Parameter writing timeout for each axis was detected.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
9025	Encoder-parameter writing timeout for each axis was detected.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
9034	Initial-position designation error occurred when PG power supply was turned ON.	Setting error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
9035	The number of brake-release axis is not appropriate.	Setting error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
9037	Encoder-setting error was detected.	Setting error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
9038	The new P1 type access of PR mode is set.	Setting error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
9040	Some errors occurred at the interface between ACP31 and ASF30.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
9050	Communicatoin WDG. from the other CPU is not appropriate (core 0).	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
9051	Communicatoin WDG. from the other CPU is not appropriate (core 1).	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
9052	REQ. flag from the other CPU is not appropriate(core 1).	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
9060	The command cord from PV side is not matched.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
9070	The hard watchdog occurred on the HOST side.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

1105: SYSTEM ERROR(SERVO) (continued)

Sub Code	Meaning	Cause	Remedy
9071	The hard watchdog occurred on the PV side.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
9100	PCI-interface information error occurred.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
9101	PCI-interface information error occurred.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
9102	PCI-interface information error occurred.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
9103	PCI-interface information error occurred.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
9104	PCI-interface information error occurred.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
9105	PCI-interface information error occurred.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
9106	PCI-interface information error occurred.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
9107	PCI-interface information error occurred.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
9108	PCI-interface information error occurred.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
9109	PCI-interface information error occurred.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
9110	PCI-interface information error occurred.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

1105: SYSTEM ERROR(SERVO) (continued)

Sub Code	Meaning	Cause	Remedy
9111	PCI-interface information error occurred.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
9112	PCI-interface information error occurred.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
9113	PCI-interface information error occurred.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
9114	PCI-interface information error occurred.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
9115	PCI-interface information error occurred.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
9116	PCI-interface information error occurred.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
9117	PCI-interface information error occurred.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
9118	PCI-interface information error occurred.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
9119	PCI-interface information error occurred.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
9130	PCI-interface information error occurred.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
9140	The RAM/ROM error occurred on the STO diagnosis.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 1109: SYSTEM ERROR(CONVEYOR)

System error occurred in the sensor process.

Sub Code	Meaning	Cause	Remedy
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1200: HIGH TEMPERATURE(IN CNTL BOX)

Temperature sensor inside the controller (the CPS01AA unit) is activated, and then error was detected.

Sub Code	Meaning	Cause	Remedy
		The temperature rises in the controller	If the LED (OHT) on the CPS01 unit lights up, wait until the inside of the controller has got cool and then turn the power OFF then back ON.
		CPS01AA unit failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1220: LAN COMMUNICATION PARAMETER ERROR

An error occurred in parameter which is used in the Ethernet function.

Sub Code	Meaning	Cause	Remedy
1	Incorrect setting of the IP address which is used in the Ethernet function.(LAN interface)	Setting error	Check the following settings. • IP address setting of LAN interface in maintenance mode
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
2	Incorrect setting of the subnet mask which is used in the Ethernet function.(LAN interface)	Setting error	Check the following settings. • Subnet mask of LAN interface in maintenance mode
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
3	Incorrect setting of the default gateway which is used in the Ethernet function.	Setting error	Check the following settings. • Default gateway of LAN interface in maintenance mode
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

1220: LAN COMMUNICATION PARAMETER ERROR (continued)

Sub Code	Meaning	Cause	Remedy
4	Incorrect setting of the host address which is used in the Ethernet function.	Setting error	Check the following settings. • Server (host) of LAN interface in maintenance mode
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
5	Incorrect setting of the static route which is used in the Ethernet function.(LAN interface)	Setting error	Check the following settings. • Static route of LAN interface in maintenance mode
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
30	Incorrect setting of the parameter which is used for the SNTP of the Ethernet function.	Setting error	Check the following settings. • SNTP setting of LAN interface in maintenance mode
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
31	Incorrect setting of the IP address of the SNTP server which is used in the Ethernet function of the SNTP.	Setting error	Check the following settings. • SNTP setting of LAN interface in maintenance mode
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
32	Incorrect setting of the IP address of the SNTP server which is used in the Ethernet function of the SNTP.	Setting error	Check the following settings. • SNTP setting of LAN interface in maintenance mode
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
33	Incorrect setting of the DHCP parameter which is used in the Ethernet function of the SNTP.	Setting error	Check the following settings. • SNTP setting of LAN interface in maintenance mode
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
70	Incorrect setting of the host name which is used in the Ethernet function.	Setting error	Check the following settings. • Host name of LAN interface in maintenance mode
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
71	Incorrect setting of the IP address of the DNS server which is used in the Ethernet function of the DNS.	Setting error	Check the following settings. • DNS setting of LAN interface in maintenance mode
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

1220: LAN COMMUNICATION PARAMETER ERROR (continued)

Sub Code	Meaning	Cause	Remedy
73	Incorrect setting of the parameter which is used in the Ethernet function of the DNS and the domain.	Setting error	Check the following settings. • DNS setting of LAN interface in maintenance mode
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
74	Incorrect setting of the DHCP parameter which is used in the Ethernet function of the DNS and the domain.	Setting error	Check the following settings. • DNS setting of LAN interface in maintenance mode
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
75	Incorrect setting of the domain which is used in the Ethernet function.	Setting error	Check the following settings. • Domain name of LAN interface in maintenance mode
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1221: ETHERNET INITIAL PROCESS ERROR

An error occurred in the initialization of the Ethernet function.

Sub Code	Meaning	Cause	Remedy
1	An error occurred in the device initialization process of the Ethernet function.(LAN interface)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	An error occurred in the IP address setting process of the Ethernet function.	Setting error	Check the following settings. • IP address setting of LAN interface in maintenance mode"
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	An error occurred in the subnet mask setting process of the Ethernet function.	Setting error	Check the following settings. • Subnet mask of LAN interface in maintenance mode
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.

1221: ETHERNET INITIAL PROCESS ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	An error occurred in the default gateway setting process of the Ethernet function.	Setting error	Check the following settings. • Default gateway of LAN interface in maintenance mode
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
5	An error occurred in the host name setting process of the Ethernet function.	Setting error	Check the following settings. • Server (host) of LAN interface in maintenance mode
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
6	An error occurred in the MAC address getting process of the Ethernet function.(LAN interface)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
12	IP address duplication was detected.	Setting error	Check the following settings. • IP address setting of LAN interface in maintenance mode • IP addresses of other devices in the network.
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
13	IP address duplication was detected.	Setting error	Check the following settings. • IP address setting of LAN interface in maintenance mode • IP addresses of other devices in the network.
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.

1221: ETHERNET INITIAL PROCESS ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
17	The Ethernet function is enabled in the LAN interface is invalid state.	Setting error	Check the following settings. • LAN interface in maintenance mode
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
20	An error occurred in the Web server task creating process of the Ethernet function.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
21	An error occurred in the FTP server task creating process of the Ethernet function.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
22	An error occurred in the FTP client task creating process of the Ethernet function.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
30	An error occurred in the semaphore generation process for access exclusion of the Ethernet function.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
50	An error occurred in the Web server task management ID getting process of the Ethernet function.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

1221: ETHERNET INITIAL PROCESS ERROR (continued)

Sub Code	Meaning	Cause	Remedy
51	An error occurred in the FTP server task management ID getting process of the Ethernet function.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
59	An error occurred in the DHCP acquisition item setting process of the Ethernet function.(LAN interface)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
60	An error occurred in the DHCP initialization process of the Ethernet function.(LAN interface)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
61	An error occurred in the DHCP interface of the Ethernet function.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
62	The data acquisition process from the server did not complete within regulated time.	Setting error	Check the following settings. • The DHCP server operation • The network status
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe. Replace the controller, and then remove the SD CARD from the failure ACP30 board to insert it into the new ACP30 board.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
63	The data acquired from the server were found illegal in the DHCP of the Ethernet function.	Setting error	Check the following settings. • The DHCP server operation • The network status
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.

1221: ETHERNET INITIAL PROCESS ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
64	An error occurred in the subnet mask acquisition process in the DHCP of the Ethernet function. (LAN interface)	Setting error	Check the following settings. • The DHCP server operation • The network status
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe. Replace the controller, and then remove the SD CARD from the failure ACP30 board to insert it into the new ACP30 board.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
65	An error occurred in the DNS server address acquisition process in the DHCP of the Ethernet function.	Setting error	Check the following settings. • The DHCP server operation • The network status
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
66	An error occurred in the Ethernet function DNS domain getting process in the DHCP of the Ethernet function.	Setting error	Check the following settings. • The DHCP server operation • The network status
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
67	An error occurred in the SNTP server address acquisition process in the DHCP of the Ethernet function.	Setting error	Check the following settings. • The DHCP server operation • The network status
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
68	An error occurred in the IP address acquisition process in the DHCP of the Ethernet function.(LAN interface)	Setting error	Check the following settings. • The DHCP server operation • The network status

1221: ETHERNET INITIAL PROCESS ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
69	An error occurred in the DHCP interface structure object mapping process of the Ethernet function.(LAN interface)	Setting error	Check the following settings. • The DHCP server operation • The network status
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
70	An error occurred in the DNS resolver initialization process of the Ethernet function.	Setting error	Check the following settings. • The domain name • The DNS related settings • The DHCP server operation • The network status
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
71	An error occurred in the DNS resolver setting of the Ethernet function.	Setting error	Check the following settings. • The domain name • The DNS related settings • The DHCP server operation • The network status
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
72	The parameter setting error occurred in the DNS resolver setting of the Ethernet function.	Setting error	Check the following settings. • The domain name • The DNS related settings • The DHCP server operation • The network status
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

1221: ETHERNET INITIAL PROCESS ERROR (continued)

Sub Code	Meaning	Cause	Remedy
73	The mode error occurred in the DNS resolver setting of the Ethernet function.	Setting error	Check the following settings. • The domain name • The DNS related settings • The DHCP server operation • The network status
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
80	An error occurred in the basic library initialization process of the Ethernet function.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
81	An error occurred in the initialization process other than basic library of the Ethernet function.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
100	An error occurred in the IP address acquisition process in the DHCP of the Ethernet function.(LAN interface)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
240	An error occurred in the start process of the Ethernet function Telnet (for onboard).	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
241	An error occurred in the start process of the Ethernet function Telnet (for expand).	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.

◆ 1222: IP ADDRESS SET FAIL(DHCP)

The IP address acquired in the DHCP of the Ethernet function is not enabled.

Sub Code	Meaning	Cause	Remedy
	IP address could not be obtained at DHCP.	Setting error	Check the following settings. • The DHCP server operation • The network status
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1248: IOSPDCTRL SET ERROR

IOSPDCTRL setting is abnormal.

Sub Code	Meaning	Cause	Remedy
	Nine or more IOSPDCTRL are set. Sub code:The setting number of IOSPDCTRL	Setting error	Modify the setting number of IOSPDCTRL to less than 9 in the maintenance mode. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1300: SERVO CPU SYNCHRONIZING ERROR

The YRC1000micro system performs serial communications between the ACP30 board and ACP31 board, checking the synchronization of the servo regular process and the communication process. This alarm occurs if any synchronization error is detected.

Sub Code	Meaning	Cause	Remedy
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1301: COMMUNICATION ERROR(SERVO)

This alarm occurs if there is a communication error between the ACP30 board and the ACP31 board.

Sub Code	Meaning	Cause	Remedy
0	Communication status error	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		CPS01 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
1	Watchdog timer error	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		CPS01 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
3	Communication status error	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		CPS01 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

1301: COMMUNICATION ERROR(SERVO) (continued)

Sub Code	Meaning	Cause	Remedy
4	Data consistency error	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		CPS01 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1303: ARITHMETIC ERROR(SERVO)

An error occurred in control arithmetic process or parameter arithmetic process in the ACP31 board. This alarm occurs if a control-related parameter calculated from the input parameter (tool file) is not within the specified range.

Sub Code	Meaning	Cause	Remedy
	The data [X____] indicates the generation process. 10000: Observer control 20000: High-precision path control 30000: Dynamics 40000: Disturbance observer control 50000: New OBS control The data [_YYY_] indicates the alarm contents. The data [____Z] indicates the physical axis number.	Tool file setting error	Check the tool file setting. (Check the units of mass and center of gravity, positive/negative signs.)
		Motor load error	Overload is applied to the manipulator. Correct the tools, the work pieces, and the drive condition.
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 1306: AMPLIFIER TYPE MISMATCH

When the controller power turned ON, the YRC1000micro system checks the current capacity of the SERVOPACK amplifier in the servo control circuit board. This alarm occurs if there is a difference in the capacity between the set value and the mounted amplifier.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred	Setting error	Check the following settings. • Check the current capacity of the amplifier before/after replacement by the model described in board. • When the external axis is mounted, check if there is no difference between the amplifier selected at configuration and the amplifier that is actually mounted.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure(amplifier)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1307: ENCODER TYPE MISMATCH

When the controller power turned ON, the YRC1000micro system checks the encoder type of the manipulator. This alarm occurs if there is a difference between the set value and the mounted encoder.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred	Setting error	Check the following settings. • Check the motor type before and after the replacement. • When the external axis is mounted, check if there is no difference between the motor selected at configuration and the motor that is actually mounted.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure(encoder)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the encoder.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 1308: CONVERTER TYPE MISMATCH

When the controller power turned ON, the YRC1000micro system checks the converter type. This alarm occurs if there is a difference between the set value and the mounted converter type.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the converter in which the alarm occurred	Setting error	Check the following settings. • Check the current capacity of the amplifier before/after replacement by the model described in board. • When the external axis is mounted, check if there is no difference between the converter selected at configuration and the converter that is actually mounted.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure(converter)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 1309: HARDWARE ERROR(CONVERTER)

Converter hardware is incorrect.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the converter in which the alarm occurred	Module failure(converter)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1310: CHARGE ERROR(CONVERTER)

Converter charge error

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the converter in which the alarm occurred	Module failure(converter)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Primary power failure	Check if the primary power supply voltage does not drop with a tester, etc
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1311: A/D DETECTION ERROR(CONVERTER)

Converter A/D detection is incorrect.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the converter in which the alarm occurred	Module failure(converter)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1312: ID ERROR(CONVERTER)

Converter ID is incorrect.
The YRC1000micro system checks internal state of converter in the converter board. This alarm occurs if any malfunction is found.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the converter in which the alarm occurred	Module failure(converter)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1325: COMMUNICATION ERROR(ENCODER)

The YRC1000micro system performs serial communications between controller and encoder. This alarm occurs if the system fails to establish the communications.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. [Robot axis] • Cable between encoders [External axis] • Cable between encoders [Using external force monitoring board ASF04 in collaborative robot system] • ASF04 board-CN231,CN232,CN235,CN236,CN237, CN238 3. If the alarm recurs after taking the measures described in 2. above, check the connection and insertion of the encoder one position before the axis where the alarm occurred.
		Module failure(encoder)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the encoder.
		Multi-port connector failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the multi-port connector.

1325: COMMUNICATION ERROR(ENCODER) (continued)

Sub Code	Meaning	Cause	Remedy
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Connector board (Encoder power supply board)	Take the following measures only if the sub code shows the first axis of a multi-drop encoder (usually S axis); 1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the Connector board.
		ASF04 board failure	In case of using a ASF04 board (collaborative robot), take the following measures only if the sub code shows the first axis of a multi-drop encoder (usually S axis) or a serial encoder (external axis); 1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the ASF04 board. Save the CMOS.BIN before replace the board to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1326: DEFECTIVE ENCODER ABSOLUTE DATA

When the controller power turned ON, the YRC1000micro system checks the encoder data. This alarm occurs if there is an error in the encoder data .

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. [Robot axis] • Cable between encoders [External axis] • Cable between encoders
		Module failure(encoder)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the encoder.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1327: ENCODER OVER SPEED

When the controller power turned ON, the YRC1000micro system checks the encoder data. This alarm occurs if any axis moves (i.e. falls by its own weight), or an encoder rotation speed of 400 rpm or more is detected during the power-ON process.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. [Robot axis] • Cable between encoders [External axis] • Cable between encoders
		Module failure(encoder)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the encoder.
		Module failure(motor)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the motor.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1328: DEFECTIVE ENCODER

The YRC1000micro system performs serial communications between controller and encoder. This alarm occurs if there is an error in the internal data of the encoder.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. [Robot axis] • Cable between encoders [External axis] • Cable between encoders
		Module failure(encoder)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the encoder.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1329: DEFECTIVE ENCODER COMMAND

The YRC1000micro system performs serial communications between controller and encoder. This alarm occurs if the operation in response to the encoder command is a malfunction.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. [Robot axis] • Cable between encoders [External axis] • Cable between encoders
		Module failure(encoder)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the encoder.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1332: POSITION ERROR

The number of pulses generated by one motor rotation does not agree with the specified value.

Sub Code	Meaning	Cause	Remedy
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. [Robot axis] • Cable between encoders [External axis] • Cable between encoders
		Noise interference	Check the following settings. • Check the grounding condition of Manipulator. • Install a ferrite core to the motor power line.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1333: POSITION ERROR(SERIAL ENCODER)

The number of pulses generated by one motor rotation does not agree with the specified value.

Sub Code	Meaning	Cause	Remedy
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. [Robot axis] • Cable between encoders [External axis] • Cable between encoders
		Noise interference	Check the following settings. • Check the grounding condition of Manipulator. • Install a ferrite core to the motor power line.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1335: ENCODER NOT RESET

This alarm occurs when reset operation to recover from the encoder backup error did not complete.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred	Battery failure	Replace the battery.
		Module failure(encoder)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the encoder.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1343: COMMUNICATION ERROR(CONVERTER)

The YRC1000micro system performs serial communications between the ACP31 board and the converter.
This alarm occurs if there is an error in the serial communications.

Sub Code	Meaning	Cause	Remedy
101	Communication status error (The first digit shows the converter No.)	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure(converter)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.

1343: COMMUNICATION ERROR(CONVERTER) (continued)

Sub Code	Meaning	Cause	Remedy
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
102	Command timeout (The first digit shows the converter No.)	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure(converter)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
103	Transmission buffer FULL (The first digit shows the converter No.)	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure(converter)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
104	CRC-16 failure (The first digit shows the converter No.)	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure(converter)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
105	Error code received (The first digit shows the converter No.)	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure(converter)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.

1343: COMMUNICATION ERROR(CONVERTER) (continued)

Sub Code	Meaning	Cause	Remedy
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
106	Receive command error (The first digit shows the converter No.)	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure(converter)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
201	Communication status error (The first digit shows the converter No.)	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure(converter)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
202	Command timeout (The first digit shows the converter No.)	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure(converter)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
203	Transmission buffer FULL (The first digit shows the converter No.)	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure(converter)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.

1343: COMMUNICATION ERROR(CONVERTER) (continued)

Sub Code	Meaning	Cause	Remedy
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
204	CRC-16 failure (The first digit shows the converter No.)	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure(converter)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
205	Error code received (The first digit shows the converter No.)	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure(converter)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
206	Receive command error (The first digit shows the converter No.)	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure(converter)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
301	Communication status error (The first digit shows the converter No.)	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure(converter)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.

1343: COMMUNICATION ERROR(CONVERTER) (continued)

Sub Code	Meaning	Cause	Remedy
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
302	Command timeout (The first digit shows the converter No.)	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure(converter)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
303	Transmission buffer FULL (The first digit shows the converter No.)	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure(converter)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
304	CRC-16 failure (The first digit shows the converter No.)	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure(converter)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
305	Error code received (The first digit shows the converter No.)	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure(converter)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.

1343: COMMUNICATION ERROR(CONVERTER) (continued)

Sub Code	Meaning	Cause	Remedy
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
306	Receive command error (The first digit shows the converter No.)	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure(converter)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
401	Communication status error (The first digit shows the converter No.)	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure(converter)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
402	Command timeout (The first digit shows the converter No.)	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure(converter)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
403	Transmission buffer FULL (The first digit shows the converter No.)	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure(converter)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.

1343: COMMUNICATION ERROR(CONVERTER) (continued)

Sub Code	Meaning	Cause	Remedy
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
404	CRC-16 failure (The first digit shows the converter No.)	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure(converter)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
405	Error code received (The first digit shows the converter No.)	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure(converter)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
406	Receive command error (The first digit shows the converter No.)	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure(converter)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
501	Communication status error (The first digit shows the converter No.)	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure(converter)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.

1343: COMMUNICATION ERROR(CONVERTER) (continued)

Sub Code	Meaning	Cause	Remedy
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
502	Command timeout (The first digit shows the converter No.)	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure(converter)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
503	Transmission buffer FULL (The first digit shows the converter No.)	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure(converter)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
504	CRC-16 failure (The first digit shows the converter No.)	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure(converter)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
505	Error code received (The first digit shows the converter No.)	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure(converter)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.

1343: COMMUNICATION ERROR(CONVERTER) (continued)

Sub Code	Meaning	Cause	Remedy
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
506	Receive command error (The first digit shows the converter No.)	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure(converter)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
601	Communication status error (The first digit shows the converter No.)	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure(converter)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
602	Command timeout (The first digit shows the converter No.)	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure(converter)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
603	Transmission buffer FULL (The first digit shows the converter No.)	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure(converter)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.

1343: COMMUNICATION ERROR(CONVERTER) (continued)

Sub Code	Meaning	Cause	Remedy
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
604	CRC-16 failure (The first digit shows the converter No.)	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure(converter)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
605	Error code received (The first digit shows the converter No.)	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure(converter)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
606	Receive command error (The first digit shows the converter No.)	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure(converter)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1349: POWER LOST DETECTION(ACP31 board)

POWER LOST signal was detected.

Sub Code	Meaning	Cause	Remedy
		Instant power failure	Check if the primary power supply voltage is dropping.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1352: ENCODER CORRECTION ERROR

The YRC1000micro system controls the manipulator based on the position data from encoder. If a communication error occurs in a control cycle, the system controls the manipulator in accordance with the previous position data checking the compensation data. This alarm occurs if the compensation data is not within the specified value.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. [Robot axis] • Cable between encoders [External axis] • Cable between encoders
		Module failure(encoder)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the encoder.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1355: ENCODER MULTITURN LIMIT ERR

When the controller power turned ON, the YRC1000micro system checks the encoder multi-turn quantity. This alarm occurs if the multi-turn quantity data is not within the normal range.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. [Robot axis] • Cable between encoders [External axis] • Cable between encoders
		Module failure(encoder)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the encoder.

1355: ENCODER MULTITURN LIMIT ERR (continued)

Sub Code	Meaning	Cause	Remedy
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1356: SPECIFIED AXIS ERROR

A task request was sent to an axis of the group that was disabled by the group separation function.

Sub Code	Meaning	Cause	Remedy
		Setting error	1. Check the job setting. 2. Turn the power OFF then back ON.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1365: GROUND FAULT

This alarm occurs if there is a ground fault in any motor power line connected to converter. The axis cannot be specified because of detection with the converter, but the axis can be specified if "4337 over current (amplifier)" has been occurred at the same time or it remains in the history.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred. (If the alarm occured at an axis which is driven by a common converter,all the subject axes are indicated.)	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the following cables. Check the axis in which earth fault occurs in the alarm history screen. If both robot axes and external axes use the same type converter, the earth fault may occur on the external axis not the robot axis. (There is also a possibility that it is stained by water) • External axis cables (Power wire) • Traveling axis cable (Power wire) • Power supply cable (Robot axis, external axis) (Power wire) • Internal cables (Robot axis, external axis) (Power wire)
		Module failure (Regenerative resistor)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		GND wiring failure	1. Turn the power OFF then back ON. 2. If the alarm repeats, check the voltage of the primary power and GND. If the voltage amount on each RST varies more than 100V, review the GND setting.

1365: GROUND FAULT (continued)

Sub Code	Meaning	Cause	Remedy
		Module failure(motor)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the motor.
		Module failure(amplifier)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure(converter)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		PS01 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1367: OVERVOLTAGE(CONVERTER)

The DC voltage supplied from the converter to the SERVO PACK exceeded Stipulated voltage (420V). This alarm occurs if the regenerative energy during the motor deceleration is too much that it cannot be processed in the regenerative circuit of SERVO PACK.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the physical No. of converter in which the alarm occurred	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Setting error	Check the load mounted on the manipulator.
		Voltage failure	Modify the primary breaker voltage to the specified voltage 200V(+10% to 15%).
		Module failure (Regenerative resistor)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure(converter)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1368: REGENERATIVE TROUBLE(CONVERTER)

This alarm occurs if the converter regenerative resistor cable is disconnected or short-circuited.
The regenerative energy at motor deceleration exceeded the allowable limit.
The regenerative energy at motor deceleration is too large.
The primary power supply voltage is too high (above 242V).

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure (Regenerative resistor)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure(converter)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Overloading(converter)	Check that the load does not exceed the allowable limit.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1369: INPUT POWER OVER VOLTAGE(CONV)

This alarm occurs if the input voltage monitored by the YRC1000micro exceeds 420 V.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the physical No. of converter in which the alarm occurred	Voltage failure	Modify the primary breaker voltage to the specified voltage 200V(+10% to 15%).
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure(converter)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1370: MICRO PROGRAM ERROR (SV)

Micro program error occurred.

Sub Code	Meaning	Cause	Remedy
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 1371: SERVO PROGRAM SYNC. ERROR (SV)

The counts of the micro program executed on the ASIC is incorrect.

Sub Code	Meaning	Cause	Remedy
1	An error was detected in the micro program	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 1372: PARAMETER ERROR (CONVERTER)

Parameter error occurred in converter.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred.	Module failure(converter)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 1373: OVERCURRENT(CONVERTER)

Overcurrent is detected in converter.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred.	Module failure(converter)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 1374: ENCODER MIXED ALLOCATION ERROR

Encoder-axis allocation is mismatched.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred.	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Setting error	Check the parameter setting value.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 1375: ENCODER ALLOCATION RANGE ERROR

Encoder-axis allocation is mismatched.

Sub Code	Meaning	Cause	Remedy
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Setting error	Check the parameter setting value.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 1376: ENCODER SET AXES NUMBER OVER

Encoder-axis allocation is mismatched.

Sub Code	Meaning	Cause	Remedy
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Setting error	Check the parameter setting value.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 1377: ENCODER CABLE DISCONNECTION(SV)

Communication between the controller and encoder is not possible when the control power is turned on, and address setting cannot be performed for the multi-drop encoder.
This alarm occurs only when the control power is turned on.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred.	Connection failure	The addresses are set in order starting from the multi-drop encoder closest to the servo board, and only one axis that cannot be set is displayed as an alarm. If the axis where the alarm occurs is in the middle of the axis, the address can be set normally up to the axis before the axis indicated in sub code. So check the cable between the two axes including the axis where the alarm occurs or the encoder of the axis where the alarm occurs. 1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. [Robot axis] • Cable between encoders [External axis] • Cable between encoders
		Module failure(encoder)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the encoder. 3. If the alarm recurs after taking the measures described in 2. above, replace the encoder one position before the axis where the alarm occurred.
		Multi-port connector failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the multi-port connector.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Connector board (Encoder power supply board)	Take the following measures only if the sub code shows the first axis of a multi-drope encoder (usually S axis); 1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the Connector board.

1377: ENCODER CABLE DISCONNECTION(SV) (continued)

Sub Code	Meaning	Cause	Remedy
		ASF04 board failure	In case of using a ASF04 board (collaborative robot), take the following measures only if the sub code shows the first axis of a multidrop encoder (usually S axis) or a serial encoder (external axis); 1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the ASF04 board. Save the CMOS.BIN before replace the board to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 1378: MICRO PROGRAM INIT. SEQ. ERR(SV)

Micro program error occurred.

Sub Code	Meaning	Cause	Remedy
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 1379: CHOPPER OVERCURRENT(CONVERTER)

Chopper overcurrent is detected in converter.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred.	Module failure(converter)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 1380: ENCODER ADDRESS VERIFY ERROR

Encoder-address verify error is detected.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred.	Setting error	Check the parameter setting value.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 1381: INPUT PRIMARY POWER SUPPLY MISMATCH

The voltage of the primary power supply (200V or 400V) differs from the converter specification.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred.	Voltage failure	Check the primary breaker voltage to the specified voltage
		Module failure(converter)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		CPS01 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 1382: Safety Signal Timing Error(SV)

Sub Code	Meaning	Cause	Remedy
1	STO 1 is abnormal.	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	STO 2 is abnormal.	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	STO 3 is abnormal.	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	STO 4 is abnormal.	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 1383: Gate Drive Error1(SV)

Sub Code	Meaning	Cause	Remedy
1	STO 1 is abnormal.	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	STO 2 is abnormal.	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	STO 3 is abnormal.	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	STO 4 is abnormal.	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 1384: Gate Drive Error2(SV)

Sub Code	Meaning	Cause	Remedy
1	STO 1 is abnormal.	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	STO 2 is abnormal.	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	STO 3 is abnormal.	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

1384: Gate Drive Error2(SV) (continued)

Sub Code	Meaning	Cause	Remedy
4	STO 4 is abnormal.	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 1385: Gate Drive Error3(SV)

Sub Code	Meaning	Cause	Remedy
1	STO 1 is abnormal.	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	STO 2 is abnormal.	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	STO 3 is abnormal.	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	STO 4 is abnormal.	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 1386: STO Sequence monitor Error(SV)

Sub Code	Meaning	Cause	Remedy
1	STO 1 is abnormal.	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	STO 2 is abnormal.	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.

1386: STO Sequence monitor Error(SV) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	STO 3 is abnormal.	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	STO 4 is abnormal.	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 1400: ENCODER ERROR(CONVEYOR)

The encoder is abnormal.

Sub Code	Meaning	Cause	Remedy
	Conveyor encoder is abnormal. Sub Code: Error occurred Conveyor No	Connection failure, Module failure(encoder)	Replace the cable of the conveyor encoder or the encoder.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1401: CANNOT CHANGE CONVEYOR MODE

The encoder mode "Encoder / Virtual encoder" was switched by the general input while performing conveyor synchronized function.

Sub Code	Meaning	Cause	Remedy
		Input error	Do not switch "Encoder / Virtual encoder" with the general signal while performing the conveyor synchronized function.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1402: WORK IN/NOT DATA CNT. LMT. OVER

An arithmetic error occurred for the current position pulse of Work IN/NOT Shift Data.

Sub Code	Meaning	Cause	Remedy
		Work status error	Check the work in/not shift data and actual the work status within the shift area.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1403: WORK IN/NOT SHIFT DATA POS LMT.

An arithmetic error occurred for the current travel length of Work IN/NOT Shift Data.

Sub Code	Meaning	Cause	Remedy
		Work status error	Check the work in/not shift data and actual the work status within the shift area.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1404: WORK ID. DATA CNT. LMT. OVER

An arithmetic error occurred for the current position pulse of Work ID Shift Data.

Sub Code	Meaning	Cause	Remedy
		Work status error	Check the work in/not shift data and actual the work status within the shift area.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1405: WORK ID. SHIFT DATA POS LMT.

An arithmetic error occurred for the current travel length of Work ID Shift Data.

Sub Code	Meaning	Cause	Remedy
		Work status error	Check the work in/not shift data and actual the work status within the shift area.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1406: START SHIFT DATA CNT. LMT. OVER

An arithmetic error occurred for the current position pulse of Start Shift Data.

Sub Code	Meaning	Cause	Remedy
		Work status error	Check the start shift data and actual the work status within the shift area.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1407: START SHIFT DATA POS LMT.

An arithmetic error occurred for the current travel length of Start Shift Data.

Sub Code	Meaning	Cause	Remedy
		Work status error	Check the start shift data and actual the work status within the shift area.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1437: PORT OPEN ERROR

Failed to open the communication port.

Sub Code	Meaning	Cause	Remedy
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 1512: POWER SUPPLY FAN ERROR(SERVO)

The rotation speed of in-panel cooling fan decreased.

Sub Code	Meaning	Cause	Remedy
		Connection failure	Check the power supply cable of the cooling fan (-X11, -X12, -X13).
		CBB board failure	1. Check the cooling fan is working. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Install failure	Check that the air inlet or outlet is not blocked.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1513: POWER SUPPLY OVERHEAT(SERVO)

Temperature sensor in the CPS01 board is activated. The internal temperature of the controller is abnormally increased.

Sub Code	Meaning	Cause	Remedy
		The temperature rises in the controller	Turn the power OFF then back ON after cooling the controller.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.

1513: POWER SUPPLY OVERHEAT(SERVO) (continued)

Sub Code	Meaning	Cause	Remedy
		CPS01 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1514: OVERHEAT(AMPLIFIER)

Amplifier overheated.

Sub Code	Meaning	Cause	Remedy
		The temperature rises in the amplifier	Turn the power OFF then back ON after cooling the amplifier.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure(converter)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1547: CURRENT FEEDBACK ERROR

This alarm occurs if an excessive current is applied for motor.

Sub Code	Meaning	Cause	Remedy
	The data [XXX__] indicates the alarm contents. 200:The motor current value is abnormal. The data [_____Y] indicates the physical axis number.	Ground fault	Check if a ground fault has not occurred in the U-, V-, and W-phase of motor power line, or short circuit has not occurred between these phases.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.

1547: CURRENT FEEDBACK ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		Setting error	1. Check the load mounted on the manipulator. 2. Check the JOB. • Reduce the speed in the step where the alarm occurred. • Adjust the acceleration/deceleration by ACC and DEC for the teaching position. • Change the move instruction to joint interpolation (MOVJ). * Be careful to the peripheral interference since its movement changes. 3. Turn the power OFF then back ON.
		Module failure(amplifier)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure(motor)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the motor.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1554: OVERCURRENT(SERVO2)

Overcurrent was detected.

Sub Code	Meaning	Cause	Remedy
		Ground fault	Check if a ground fault has not occurred in the U-, V-, and W-phase of motor power line, or short circuit has not occurred between these phases.
		The temperature rises in the controller	Turn the power OFF then back ON after cooling the controller.
		Setting error	Check the settings for manipulator motion condition (influence by external force, load condition).
		Module failure(motor)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the motor.
		Module failure (SERVOPACK)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1560: SYSTEM ERROR(SERVO2)

The internal program error occurred in the SERVOPACK.

Sub Code	Meaning	Cause	Remedy
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure (SERVOPACK)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1610: F-SAFE CPU SYNCHRO ERROR

The CPU timer and the communication interruption timing are checked by the function safety board when performing the serial communication between ACP30 (main CPU board) and ASF30 board. This alarm occurs if the timing becomes off.

Sub Code	Meaning	Cause	Remedy
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1612: F-SAFE COMMUNICATION ERROR

The CPU timer and the communication interruption timing are checked by the function safety board when performing the serial communication between ACP30 (main CPU board) and ASF30 board. This alarm occurs if the timing becomes off.

Sub Code	Meaning	Cause	Remedy
0	Communication status error	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.

1612: F-SAFE COMMUNICATION ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
1	Watchdog timer error	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
2	JL0101 alarm	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
3	Communication status error	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
4	Data consistency error	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.

1612: F-SAFE COMMUNICATION ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
5	CRC error	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
6	CRC error	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
7	CRC error	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1613: F-SAFE ENCODER COMM. ERR 1

Communication error occurred between the encoder and the ASF30 board.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred	ACP31 board failure (Blown fuse)	If AL1962 "ACP31 board failure" occurred simultaneously with this alarm, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure(encoder)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1614: F-SAFE ENCODER COMM. ERR 2

Communication error occurred between the encoder for all axes and the ASF30 board.

Sub Code	Meaning	Cause	Remedy
		ACP31 board failure (Blown fuse)	If AL1962 "ACP31 board failure" occurred simultaneously with this alarm, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure(encoder)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1615: F-SAFE SYSTEM ERROR

System error occurred in the ASF30 board.

Sub Code	Meaning	Cause	Remedy
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 1616: F-SAFE SYSTEM ERROR 1

System error occurred in the ASF30 board.

Sub Code	Meaning	Cause	Remedy
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 1618: F-SAFE ARITHMETIC ERROR

Arithmetic error occurred in the ASF30 board.

Sub Code	Meaning	Cause	Remedy
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 1619: F-SAFE PARAMETER ERROR

Parameter setting value error occurred in the ASF30 board.

Sub Code	Meaning	Cause	Remedy
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1622: F-SAFE DEFECTIVE ENCODER

The ASF30 board has detected a malfunction of the encoder diagnostic data.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure(encoder)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1623: F-SAFE ENCODER CORR. NUM OVER

The ASF30 board monitors position information sent from the encoder. If communication error occurrs during a control cycle, it monitors based on the last position data. At that time, if the correction data exceeds the specified value, thi alarm occurs.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure(encoder)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1625: OPERATION AREA MON. ERR(AXIS)

The ASF30 board has detected the manipulator is about to exceed the specified operation area.

Sub Code	Meaning	Cause	Remedy
		Setting error	1. Select [ROBOT] to open [ROBOT RANGE] schreen. Set the item to "INVALID" and then cycle the power. 2. Move the manipulator into the specified range. 3. Select [ROBOT] to open [ROBOT RANGE] schreen. Set the item to "VALID" and then cycle the power.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1626: SAFETY BOARD NOT INSTALLED

This alarm is caused if the ASF30 board which has not been installed is assigned.

Sub Code	Meaning	Cause	Remedy
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1627: SAFETY BOARD COMM ERROR(SERVO)

The communication error occurred between the ASF30 board and the ACP31 board.

Sub Code	Meaning	Cause	Remedy
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1628: STOPPING POS. MON. ERR(SAFETY)

The ASF30 board has detected the manipulator moved while stop monitoring function is activated.

Sub Code	Meaning	Cause	Remedy
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1629: OPERATION AREA MON. ERR(ROBOT)

The ASF30 board has detected the manipulator is about to exceed the specified operation area.

Sub Code	Meaning	Cause	Remedy
		Setting error	1. Select [ROBOT] to open [ROBOT RANGE] schreen. Set the item to "INVALID" and then cycle the power. 2. Move the manipulator into the specified range. 3. Select [ROBOT] to open [ROBOT RANGE] schreen. Set the item to "VALID" and then cycle the power.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1630: F-SAFE MUTUAL DIAG. ERR(WDT)

The ASF30 board is configured by duplicated systems to check operations each other. Either of the duplicated systems operates abnormally, watchdog check failed.

Sub Code	Meaning	Cause	Remedy
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1631: F-SAFE MUTUAL DIAG. ERR(HW SET)

The ASF30 board is configured by duplicated systems to check operations each other. Either of the duplicated systems has detected hardware setting error of the other system

Sub Code	Meaning	Cause	Remedy
		Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1632: F-SAFE MUTUAL DIAG. ERR(MONITOR)

The ASF30 board is configured by duplicated systems to check operations each other. A safety monitoring error occurred in either of the duplicated systems.

Sub Code	Meaning	Cause	Remedy
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1633: F-SAFE SIGNAL COMPARISON ERROR

The ASF30 board is configured by duplicated systems to check operations each other. Signal inconsistency status has continued for more than 500msec between two systems.

Sub Code	Meaning	Cause	Remedy
0	PPESP inconsistent	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
1	PPDSW inconsistent	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
2	PBESP inconsistent	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
3	EXESP inconsistent	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

1633: F-SAFE SIGNAL COMPARISON ERROR (continued)

Sub Code	Meaning	Cause	Remedy
4	EXDSW inconsistent	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
5	SAFF inconsistent	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
6	FST inconsistent	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
7	UNUSED_1 inconsistent UNUSED_1 is not used. Therefore, in this case, the board is damaged.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
10	SON inconsistent	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
11	BON inconsistent	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
12	SVMAIN inconsistent	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.

1633: F-SAFE SIGNAL COMPARISON ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
13	MODE0 inconsistent	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
14	MODE1 inconsistent	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
15	SSP inconsistent	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
16	WDGER_1 inconsistent	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
17	WDGER_2 inconsistent	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
20	SFRDY1 inconsistent	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
21	SFRFB1 inconsistent	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.

1633: F-SAFE SIGNAL COMPARISON ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
22	KMMB1 inconsistent	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
23	UNUSED_3 inconsistent UNUSED_3 is not used. Therefore, in this case, the board is damaged.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
24	SFRDY2 inconsistent	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
25	SFRFB2 inconsistent	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
26	KMMB2 inconsistent	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
27	UNUSED_2 inconsistent UNUSED_2 is not used. Therefore, in this case, the board is damaged.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
30	SFRDY3 inconsistent	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

1633: F-SAFE SIGNAL COMPARISON ERROR (continued)

Sub Code	Meaning	Cause	Remedy
31	SFRFB3 inconsistent	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
32	KMMB3 inconsistent	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
33	UNUSED_5 inconsistent UNUSED_5 is not used. Therefore, in this case, the board is damaged.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
34	SFRDY4 inconsistent	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
35	SFRFB4 inconsistent	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
36	KMMB4 inconsistent	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
37	UNUSED_4 inconsistent UNUSED_4 is not used. Therefore, in this case, the board is damaged.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
40	GSIN0 inconsistent	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.

1633: F-SAFE SIGNAL COMPARISON ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
41	GSIN1 inconsistent	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
42	SFSMDOFB0 inconsistent	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
43	SFSMDOFB1 inconsistent	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
44	SFSMDI0 inconsistent	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
45	SFSMDI1 inconsistent	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
46	SFULI inconsistent	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
47	SFULFB inconsistent This may occur in accordance with other alarms.	Data error	Execute the trouble shooting for the acompanying alarm.

1633: F-SAFE SIGNAL COMPARISON ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1634: FEEDBACK SIGNAL ERROR(SAFETY)

The ASF30 board checks the feedback for the output signals. This alarm occurs when inconsistency has occurred in the feedback.

Sub Code	Meaning	Cause	Remedy
0	SFSMDO0 feedback inconsistent	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
1	SFSMDO1 feedback inconsistent	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
2	SFULO feedback inconsistent	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
3	SF1 feedback inconsistent	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
4	SF2 feedback inconsistent	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
5	SF3 feedback inconsistent	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.

1634: FEEDBACK SIGNAL ERROR(SAFETY) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
6	SF4 feedback inconsistent	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1635: F-SAFE LOW VOLTAGE

The ASF30 board is configured by duplicated systems to check operations each other. Either of the duplicated systems has detected abnormal voltge of the other system.

Sub Code	Meaning	Cause	Remedy
1	Low voltage error detected in the 1.0V supply line.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
2	Low voltage error detected in the 1.5V supply line.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
3	Low voltage error detected in the 1.8V supply line.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
4	Low voltage error detected in the 3.3V supply line.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
5	Low voltage error detected in the 5.0V supply line.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

1635: F-SAFE LOW VOLTAGE (continued)

Sub Code	Meaning	Cause	Remedy
6	Low voltage error detected in the 24.0V supply line.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1636: F-SAFE OVER VOLTAGE

The ASF30 board is configured by duplicated systems to check operations each other. Either of the duplicated systems has detected abnormal voltge of the other system.

Sub Code	Meaning	Cause	Remedy
1	Over voltage error detected in the 1.0V supply line.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
2	Over voltage error detected in the 1.5V supply line.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
3	Over voltage error detected in the 1.8V supply line.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
4	Over voltage error detected in the 3.3V supply line.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
5	Over voltage error detected in the 5.0V supply line.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
6	Over voltage error detected in the 24.0V supply line.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1637: F-SAFE RAM DIAGNOSIS ERROR

The ASF30 board has detected RAM diagnosis error.

Sub Code	Meaning	Cause	Remedy
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
2	RAM error detected	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
8	RAM error detected	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
30	RAM error detected	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1638: F-SAFE ROM DIAGNOSIS ERROR

The ASF30 board has detected ROM diagnosis error.

Sub Code	Meaning	Cause	Remedy
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe. Replace the controller board, and .
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1639: F-SAFE RAM AREA CONVERSION ERR

The ASF30 board has detected processing error of mirror area used for RAM diagnosis.

Sub Code	Meaning	Cause	Remedy
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
10	RAM error detected	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
11	RAM error detected	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
12	RAM error detected	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
20	RAM error detected	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
21	RAM error detected	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
22	RAM error detected	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
40	RAM error detected	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

1639: F-SAFE RAM AREA CONVERSION ERR (continued)

Sub Code	Meaning	Cause	Remedy
41	RAM error detected	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
42	RAM error detected	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
50	RAM error detected	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
51	RAM error detected	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
52	RAM error detected	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
60	RAM error detected	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
61	RAM error detected	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
62	RAM error detected	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

1639: F-SAFE RAM AREA CONVERSION ERR (continued)

Sub Code	Meaning	Cause	Remedy
70	RAM error detected	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
71	RAM error detected	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
80	RAM error detected	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
81	RAM error detected	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1640: F-SAFE REAL TIME MONITOR ERROR

The ASF30 board has detected processing error of real time monitor.

Sub Code	Meaning	Cause	Remedy
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
2	Failed to initialize realtime monitor	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
3	Failed to initialize realtime monitor	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

1640: F-SAFE REAL TIME MONITOR ERROR (continued)

Sub Code	Meaning	Cause	Remedy
5	Process in the realtime monitor (RTP) error occurred	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
6	Process in the realtime monitor (NRTP) error occurred	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
7	Process in the realtime monitor (NRTP) error occurred	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
9	Process in the realtime monitor (RTP) error occurred	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
10	Process in the realtime monitor (BGP) error occurred	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
11	Process in the realtime monitor (NRTP) error occurred	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
13	Realtime monitor error occurred	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1641: SAFETY OUTPUT FB ERROR(SAFETY)

Communication between CNSF connector of the ASF30 board and other units has been disconnected.

Sub Code	Meaning	Cause	Remedy
0	ASF30 board is broken.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1642: F-SAFE WATCHDOG SIGNAL ERROR

The ASF30 board has detected watchdog signal error.

Sub Code	Meaning	Cause	Remedy
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1643: F-SAFE SAFETY SIGNAL SET ERROR

Safety signal configuration data of safety monitoring conditions file is abnormal.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Code [X _ _ _] indicates the abnormal content. 1000:Input/output signal number in conditionfile is abnormal. 2000:Functional safety general input signal that is not available is set in condition file. 3000:Functional safety general output signal that is not available is set in condition file. 4000:Safety fieldbus input signal that is not available is set in condition file. 5000:Safety fieldbus output signal that is not available is set in condition file. 6000:File valid condition data is abnormal. Code [_ Y _ _] indicates the type of condition file abnormality occurs. 100:Axis range limit function 200:Axis speed monitor function 300:Speed limit function 400:Robot range limit function 500:Tool angle monitor function 600:Tool change monitor function Code [_ _ Z Z] indicates the number of condition file abnormality occurs.	Data error	If the alarm occurs again, check the configuration of condition file abnormality occurs.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1	Link signal error between ASF30 board	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1644: 24V LOW VOLTAGE(SAFETY)

24V voltage error has been detected in the ASF30 board.

Sub Code	Meaning	Cause	Remedy
1	Low voltage 5V error detected	Fuse failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
2	Low voltage 3.3V error detected	Fuse failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
3	Low voltage 1.5V error detected	Fuse failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1645: F-SAFE CRC ERROR

An error has been detected in the Communication data from CPS01AA unit to ASF30.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the file kind in which the alarm occurred.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1646: F-SAFE COMM.SETTING ERROR

The rotary switch setting on the ASF30 board has an error.

Sub Code	Meaning	Cause	Remedy
	Sub Code: The rotary switch number recorded in the ASF30 board is shown.	Setting error	1. Select the following menu. • [File]-[Initialize],[Safety Board FLASH Reset] in maintenance mode. 2. Turn the power OFF then back ON.
		Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 1648: PENDANT MODE SIGNAL ERROR

An error has been detected in the MODE signal.

Sub Code	Meaning	Cause	Remedy
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.

◆ 1650: FILE TRANSFER DATA ERROR (SV)

An error occurred in the file transfer sequence at execution of motion command.

Sub Code	Meaning	Cause	Remedy
1	An error occurred when the last data was not received during the first data communication at execution of motion command.	ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	An error occurred when the first data was not received during on the way data communication at execution of motion command.	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

1650: FILE TRANSFER DATA ERROR (SV) (continued)

Sub Code	Meaning	Cause	Remedy
3	An error occurred when the first data was not received during the last data communication at execution of motion command.	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1651: FILE TRANSFER DATA SIZE ERR (SV)

The data size for the file transfer was over housing size at executing a motion command.

Sub Code	Meaning	Cause	Remedy
1	The data size for the file transfer does not agree with the received buffer size.	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
2	Buffer size over	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1652: DB ON ERROR (SERVO)

An attempt was made to turn ON the DB although the base block is released.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 1653: BASE BLOCK SIGNAL ERROR(SERVO)

An attempt was made to release the base block although the DB is turned ON.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure(amplifier)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1654: PG POWER ON MULTIPLE REQ (SV)

The request to turn ON the PG power supply again was sent to an axis where the PG power was already ON.

Sub Code	Meaning	Cause	Remedy
		Setting error	Check if the PICK instruction was executed again for the axis where executed the PICK instruction in the group change system.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1655: CONVERTER COMMAND ERROR (SV)

The source data size does not agree with the destination data size during converter communication control data transmission.

Sub Code	Meaning	Cause	Remedy
		Module failure(converter)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 1656: AXIS ENDLESS INFO NOT GENERATED(SV)

An error occurred while the axis endless function was being used.

Sub Code	Meaning	Cause	Remedy
		Setting error	1. Check the JOB. 2. Turn the power OFF then back ON.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1657: AXIS ENDLESS SPECIFIC. ERR(SV)

An unusable function was executed for the axis which the deceleration stop alarm function was enabled.

Sub Code	Meaning	Cause	Remedy
1	The home position detecting function was used for the axis for which the axis endless function was enabled. The home position detecting function cannot be used for the axis which the axis endless function was enabled.	Setting error	Disable either the axis endless function or the home position detection function of corresponding axis.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
2	The servo float function was used for the axis for which the axis endless function was enabled. The servo float function cannot be used for the axis which the axis endless function was enabled.	Setting error	Disable either the axis endless function or the servo float function of corresponding axis.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1658: REDUCTION STOP SPECIFIC. ERR(SV)

An unusable function was executed for the axis for which the deceleration stop alarm function was enabled.

Sub Code	Meaning	Cause	Remedy
1	The servo float function was used for the axis for which the deceleration stop function was enabled. The servo float function cannot be used for the axis which the deceleration stop function was enabled.	Setting error	1. Check the JOB. 2. Turn the power OFF then back ON.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
2	The specified axis speed control function was executed for the axis which the deceleration stop function was enabled. Specified axis speed control function cannot be used for the axis which the deceleration stop function was enabled.	Setting error	1. Check the JOB. 2. Turn the power OFF then back ON.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1665: MICRO PROGRAM SYNC. ERROR (SV)

Synchronizing error was detected in the servo CPU.

Sub Code	Meaning	Cause	Remedy
1	An error was detected between PV and host.(PV to host)	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
2	An error was detected between PV and host. (host to PV)	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1666: FILE RECEIVE INCOMPLETE (SERVO)

An attempt was made to execute a function which use the file, the transfer file was not successfully completed.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the file kind in which the alarm occurred.	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1667: RESOLUTION CONVERSE CONST ERR(SV)

A logical error occurred in the parameter for modification of resolution which was calculated by the parameter specified by CMOS.BIN.

Sub Code	Meaning	Cause	Remedy
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1672: GRP CHANGE PG POWER ON ERR (SV)

The PG power supply of the axis for group change is already ON.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred	Setting error	1. Check the JOB. 2. Turn the power OFF then back ON.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1673: GRP CHANGE SERVO ON ERROR (SV)

The PG power supply of the axis for change is already ON.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred	Setting error	1. Check the JOB. 2. Turn the power OFF then back ON.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1674: ARM CONTROL SEQUENCE ERR (SV)

An error occurred in the motor control mode switching process.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1675: BASE BLOCK READ SIGNAL ERR (SV)

The status setting to base block is different from that of base block signal reading from JL077.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1676: BASE BLOCK WRITE SIGNAL ERR (SV)

The status setting to base block is different from that of base block signal writing to JL056. (The lowest digit shows the axis No.)

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1678: MOTOR CMD POSITION ERROR (SV)

The motor command position is incorrect.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred	ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1679: BRAKE POWER ERROR(12V)

The fuse is blown in brake unit.

Sub Code	Meaning	Cause	Remedy
		Fuse failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1681: BRAKE POWER ERROR

An error occurred in the power supply in the brake unit.

Sub Code	Meaning	Cause	Remedy
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Short circuit or ground fault	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1682: EXTERNAL BRAKE POWER ERROR

An error occurred in the external axis brake power supply for brake unit.

Sub Code	Meaning	Cause	Remedy
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Short circuit or ground fault	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1683: DC 24V POWER SUPPLY FAILURE(SV)

An error was detected in the voltage value of the CPS01 board.

Sub Code	Meaning	Cause	Remedy
		Short circuit or ground fault	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the brake connection if there is a ground fault or short circuit.
		CPS01 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1684: INSTANT POWER FAILURE(TRQ)(SV)

The instant power failure occurred and then the torque was saturated.

Sub Code	Meaning	Cause	Remedy
	The instant power failure occurred and then the torque was saturated.	Voltage failure	1. Check if the primary power supply voltage is dropping. 2. Turn the power OFF then back ON.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1685: INSTANT POWER FAILURE(TIME)(SV)

The instant power failure occurred for longer than the certain time period.

Sub Code	Meaning	Cause	Remedy
	The instant power failure occurred for longer than the certain time period.	Voltage failure	1. Check if the primary power supply voltage is dropping. 2. Turn the power OFF then back ON.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1686: POS.DEVITATION SATURATING ERR(SV)

The deviation of the position reaches the soft limit position.

Sub Code	Meaning	Cause	Remedy
		Setting error	Check the settings for manipulator motion condition (influence by external force, load condition).
		Connection failure	Check if a ground fault has not occurred in the U-, V-, and W-phase of motor power line, or short circuit has not occurred between these phases.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure(amplifier)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure(motor)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the motor.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1687: COORDINATED STOP FUNC. DISABLE

The function parameter is specified for the system for which it cannot be applied.
This function is applicable only for the system with two manipulators (with two ACP31 boards).

Sub Code	Meaning	Cause	Remedy
		Setting error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 1688: MEMORY DATA FILE STORAGE ERROR

The model file is not saved nomally.

Sub Code	Meaning	Cause	Remedy
1	Storage file number is inconsistent	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
2	Start index is inconsistent	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1690: PCI BOARD NOT DETECTED

AD board conection error

Sub Code	Meaning	Cause	Remedy
		AD board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1691: FORCE SENSOR BOARD UNMOUNTED

Force sensor board is not mounted.

Sub Code	Meaning	Cause	Remedy
	Force sensor board could not be found	Force sensor board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1692: PG POWER FUSE BLOWN(SV)

The fuse is blown in the ACP31 board.

Sub Code	Meaning	Cause	Remedy
		Fuse failure	Replace the ACP31 board fuse(F1).
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1694: GROUND FAULT(BRAKE LINE)

The brake connection is a ground fault or short circuit.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred	Short circuit or ground fault	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the brake connection if there is a ground fault or short circuit.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1695: DC 24V POWER SUPPLY FAILURE(SV)

An error was detected in the voltage value of the CPS01 board.

Sub Code	Meaning	Cause	Remedy
		CPS01 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1696: F-SAFE ENCODER DIAG.EROOR

The ASF30 board has detected the encoder diagnosis error.

Sub Code	Meaning	Cause	Remedy
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure(encoder)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.

1696: F-SAFE ENCODER DIAG.EROOR (continued)

Sub Code	Meaning	Cause	Remedy
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Setting error	Check the parameter setting value.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1860: M-SAFETY COMMUNICATE ERROR

The communication error occurred between the ACP30 and the ASF30 board.

Sub Code	Meaning	Cause	Remedy
0	There was no response from ASF30 board within the time limit.	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN , and then contact your YASKAWA representative about occurrence status (operating procedure).
1	The reset of Machine-Safety alarm was not properly completed.	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN , and then contact your YASKAWA representative about occurrence status (operating procedure).
2	Calculation results do not match the receive data.	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN , and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 1861: M-SAF SYSTEM ERROR

An error occurred in a process of Machine-Safety system.

Sub Code	Meaning	Cause	Remedy
	Sub code indicates where the error occurred.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 1862: M-SAF VERSION UP ERROR

An error is detected in the update process of Machine-Safety software.

Sub Code	Meaning	Cause	Remedy
	An error is detected in the update process of Machine-Safety software.	Hardware failure	Please try the software update again.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 1863: M-SAF SETUP ERROR

The parameter setting do not match to system configuration setting.

Sub Code	Meaning	Cause	Remedy
1	The parameter setting is incorrect.	Setting error	Please re-configure the setting of the control group in maintenance mode.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	Parameter setting does not match the number of ASF30 boards.	Setting error	In maintenance mode, check that the control group setting is appropriate for the system.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

1863: M-SAF SETUP ERROR (continued)

Sub Code	Meaning	Cause	Remedy
3	The parameter setting is incorrect.	Setting error	In the control group setting window of maintenance mode, check that the following items are appropriate for the system configuration. 1. In case of STO connection: • Servo board which connects to each control group • The number of axis which connects to connector of each servo board • Contactor unit which connects the brake • Converter which connects the axis • ON_ENABLE signal (or TU)which connects to each control group • The setting of overrun signal 2. In case of Contactor connection: • Servo board which connects to each control group. • The number of axis which connects to connector of each servo board • Axis number to be connected to the connector of the servo board • Converter which connects the axis • Contactor unit which connects the brake • The setting of overrun signal
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
10	The CRC data which calculated do not accord with CRC data saved away by Flash Rom.	Setting error	If the alarm occurs again, Select the following menu. • Start up meinntenance mode. • Change to the safety mode security. • Select [Safety Board FLASH Reset] by going to [INITIALIZE] form [FILE] in the main menu. • Turn the power OFF then back ON.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
11	The CRC data which calculated do not accord with CRC data saved in a parameter.	Setting error	If the alarm occurs again, Select the following menu. • Start up meinntenance mode. • Change to the safety mode security. • Select [Safety Board FLASH Reset] by going to [INITIALIZE] form [FILE] in the main menu. • Turn the power OFF then back ON.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.

1863: M-SAF SETUP ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
12	The calculated CRC data are not accord with the CRC data that is saved in FlashRom. In addition, both the CRC data that is saved in the parameter does not match.	Setting error	If the alarm occurs again, Select the following menu. • Start up meinntenance mode. • Change to the safety mode security. • Select [Safety Board FLASH Reset] by going to [INITIALIZE] form [FILE] in the main menu. • Turn the power OFF then back ON.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000	The ASF30 board revision is not correct.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1001	The ASF30 board revision is not correct.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1002	The ASF30 board revision is not correct.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1003	The ASF30 board revision is not correct.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1004	The ASF30 board revision is not correct.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1005	The ASF30 board revision is not correct.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.

1863: M-SAF SETUP ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1006	The ASF30 board revision is not correct.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1007	The ASF30 board revision is not correct.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1010	The firmware of ASF30 is not correct.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1011	The firmware of ASF30 is not correct.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1012	The firmware of ASF30 is not correct.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1013	The firmware of ASF30 is not correct.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1014	The firmware of ASF30 is not correct.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1015	The firmware of ASF30 is not correct.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.

1863: M-SAF SETUP ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1016	The firmware of ASF30 is not correct.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1017	The firmware of ASF30 is not correct.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2000	The error of rotary switch setting is detected in ASF30.	Setting error	1. Select the following menu. • [File]-[Initialize],[Safety Board FLASH Reset] 2. Turn the power OFF then back ON.
		Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 1864: M-SAF CPU BOARD COMM ERRO

The communication error occurred between the Machine-Safety and the ACP30 board.

Sub Code	Meaning	Cause	Remedy
1	There was no response from ACP30 board within the time limit.	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

1864: M-SAF CPU BOARD COMM ERRO (continued)

Sub Code	Meaning	Cause	Remedy
2	Calculation results do not match the receive data.	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	Calculation results do not match the receive data on a logical circuit.	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	Here was no response from ACP30 board within the time limit.	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 1865: M-SAF CPU COMM ERROR

The communication error was detected at Machine Safety Software.

Sub Code	Meaning	Cause	Remedy
1	Incorrect data was detected on communication between ASF30s.	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	Communication error was detected (ASF30 - ASF30).	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	Communication error was detected (ASF30 - ASF30).	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	Communication error was detected (ASF30 - ASF30).	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
5	Communication error was detected (ASF30 - ASF30).	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

1865: M-SAF CPU COMM ERROR (continued)

Sub Code	Meaning	Cause	Remedy
6	Communication error was detected (ASF30 - ASF30).	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
10	Incorrect data was detected on communication between ASF30 and ASF04.	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF04 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the ASF04 board.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
11	Communication error was detected (ASF30 - ASF04).	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF04 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the ASF04 board.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
12	Incorrect data was detected on communication between ASF30 and ASF04.	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.

1865: M-SAF CPU COMM ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		ASF04 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the ASF04 board.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
13	Incorrect data was detected on communication between ASF30 and ASF04.	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF04 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the ASF04 board.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
14	Communication error was detected (ASF30 - ASF04).	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF04 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the ASF04 board.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
15	Communication error was detected (ASF30 - ASF04).	Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.

1865: M-SAF CPU COMM ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF04 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the ASF04 board.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
101	Communication error was detected (ASF30 - ACP31).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
102	Incorrect data was detected on communication between ASF30 and ACP30.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
103	Incorrect data was detected on communication between ASF30 and ACP30.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
202	Incorrect communication data was detected on ASF30.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

1865: M-SAF CPU COMM ERROR (continued)

Sub Code	Meaning	Cause	Remedy
203	Incorrect communication data was detected on ASF30.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
204	Incorrect communication data was detected on ASF30.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
205	Communication error was detected (ASF30).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
206	Communication error was detected (ASF30).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
207	Communication error was detected (ASF30).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
300	Communication error was detected (ASF30).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
301	Communication error was detected (ASF30).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
302	Communication error was detected (ASF30).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

1865: M-SAF CPU COMM ERROR (continued)

Sub Code	Meaning	Cause	Remedy
303	Communication error was detected (ASF30).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
304	Communication error was detected (ASF30).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
305	Communication error was detected (ASF30).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
306	Communication error was detected (ASF30).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
307	Communication error was detected (ASF30).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
310	Communication error was detected (ASF30).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
311	Communication error was detected (ASF30).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
312	Communication error was detected (ASF30).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

1865: M-SAF CPU COMM ERROR (continued)

Sub Code	Meaning	Cause	Remedy
313	Communication error was detected (ASF30).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
314	Communication error was detected (ASF30).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
315	Communication error was detected (ASF30).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
316	Communication error was detected (ASF30).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
317	Communication error was detected (ASF30).	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 1866: M-SAF F-SAFETY COMM ERROR

The communication error is detected between the M-SAF and the F-SAF.

Sub Code	Meaning	Cause	Remedy
1	Function Safety did not come by an online mode.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	Machine Safety received an offline command.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

1866: M-SAF F-SAFETY COMM ERROR (continued)

Sub Code	Meaning	Cause	Remedy
3	There was no response from Function Safety with in the time limit.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	Machine Safety was not able to detect the first of the sequential number.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
5	Machine Safety detected CRC error.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
6	Machine Safety detected sequential number error.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7	Machine Safety was not able to connect with Function Safety in start up process.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8	Here was no response from Function Safety board within the time limit.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
9	Here was no response from (Function Safety board within the time limit.)	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 1867: M-SAF ROM DIAG. ERROR

An error is detected in the ROM diagnosis function of Machine Safety.

Sub Code	Meaning	Cause	Remedy
0	An error is detected in the ROM diagnosis function of Machine Safety.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1	An error is detected in the ROM diagnosis function of Machine Safety.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	An error is detected in the ROM diagnosis function of Machine Safety.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 1868: M-SAF RAM DIAG. ERROR

An error is detected in the RAM diagnosis function of Machine Safety.

Sub Code	Meaning	Cause	Remedy
	Machine Safety software detected failure with RAM diagnosis function of Machine Safety.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 1869: M-SAF STACK DIAG. ERROR

An error is detected in the stack diagnosis function of Machine Safety.

Sub Code	Meaning	Cause	Remedy
1	An error is detected in the stack diagnosis function of Machine Safety.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	An error is detected in the stack diagnosis function of Machine Safety.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.

1869: M-SAF STACK DIAG. ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	An error is detected in the stack diagnosis function of Machine Safety.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	An error is detected in the stack diagnosis function of Machine Safety.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
5	An error is detected in the stack diagnosis function of Machine Safety.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
6	An error is detected in the stack diagnosis function of Machine Safety.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7	An error is detected in the stack diagnosis function of Machine Safety.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8	An error is detected in the stack diagnosis function of Machine Safety.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
9	An error is detected in the stack diagnosis function of Machine Safety.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

1869: M-SAF STACK DIAG. ERROR (continued)

Sub Code	Meaning	Cause	Remedy
10	An error is detected in the stack diagnosis function of Machine Safety.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 1870: M-SAF REGISTER DIAG. ERROR

An error is detected in the register diagnosis function of Machine-Safety.

Sub Code	Meaning	Cause	Remedy
1000	An error is detected in the register diagnosis function of Machine Safety.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 1871: M-SAF SEQUENCE WATCH ERROR

Sequence diagnosis function of Machine Safety board detected a failure.

Sub Code	Meaning	Cause	Remedy
	Subcode means error data.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 1872: M-SAF WATCHDOG ERROR

An error is detected in the watch dog check of Machine Safety.

Sub Code	Meaning	Cause	Remedy
101	CPU1of ASF30 detected an error in start up process.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
102	CPU1of ASF30 detected an error of itself.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

1872: M-SAF WATCHDOG ERROR (continued)

Sub Code	Meaning	Cause	Remedy
103	CPU1of ASF30 detected an error of CPU2.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
104	CPU1of ASF30 detected an error of CPU2 in start up process.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
201	CPU2of ASF30 detected an error in start up process.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
202	CPU2of ASF30 detected an error of CPU1.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
203	CPU2of ASF30 detected an error of CPU1.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
204	CPU2of ASF30 detected an error of CPU1 in start up process.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 1873: M-SAF OFFLINE MODE SETUP ERROR

The parameter setting error is detected in offline mode of Machine Safety.

Sub Code	Meaning	Cause	Remedy
		Setting error	Please re-configure the setting of the control group in maintenance mode.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 1874: M-SAF VOLTAGE WATCH ERROR

An error is detected in process to check the voltage of the ASF30 board.

Sub Code	Meaning	Cause	Remedy
	The CPU1 of ASF30 board has detected an illegal voltage of the CPU2. The number indicates as CPU which detected error, surveillance voltage, and 0001 or 0002 value. 0001:Over voltage 0002:Low voltage	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 1875: M-SAF I/O BOARD VOLTAGE ERROR

An error is detected in process to check the voltage of the ASF30 board.

Sub Code	Meaning	Cause	Remedy
	subcode: CPU1 1:CPU1 detected a 5V low voltage CPU1 2:CPU1 detected a 5V high voltage CPU1 3:CPU1 detected a 24V low voltage CPU1 4:CPU1 detected a 24V high voltage CPU1 5:CPU1 detected a voltage error in 24V power of the board. CPU2 1:CPU2 detected a 5V low voltage CPU2 2:CPU2 detected a 5V high voltage CPU2 3:CPU2 detected a 24V low voltage CPU2 4:CPU2 detected a 24V high voltage CPU2 5:CPU2 detected a voltage error in 24V power of the board.	Fuse failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 1876: M-SAF I/O BOARD WATCHDOG ERROR

Watchdog error is detected in the ASF30 board.

Sub Code	Meaning	Cause	Remedy
101	An error was detected in startup process by CPU1 of ASF30 board.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
102	An error in CPU1 of ASF30 board was detected by CPU1 of ASF30 board.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
103	An error in CPU2 of ASF30 board was detected by CPU1 of ASF30 board.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
104	An error in CPU2 of ASF30 board was detected for a definite period of time by CPU1 of ASF30 board.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
201	An error of ASF30 board was detected in startup process by CPU2 of ASF30 board.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
202	An error in CPU1 of ASF30 board was detected by CPU2 of ASF30 board.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
203	An error in CPU2 of ASF30 board was detected by CPU2 of ASF30 board.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

1876: M-SAF I/O BOARD WATCHDOG ERROR (continued)

Sub Code	Meaning	Cause	Remedy
204	An error in CPU2 of ASF30 board was detected for a definite period of time by CPU2 of ASF30 board.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 1878: M-SAF VOLTAGE WATCH ERROR2

An error is detected in process to check the voltage of the ASF30 board.

Sub Code	Meaning	Cause	Remedy
	subcode: cause of alarm (cause) 0.75 V out of range. 1.1 V out of range. 1.5 V out of range. 1.8 V out of range. 2.5 V out of range. 3.3 V out of range. 2.048V out of range. 24V1 out of range. 24V2 out of range.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1879: M-SAF OPECODE ERROR

The ASF30 board has detected OPCODE diagnosis error.

Sub Code	Meaning	Cause	Remedy
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1887: F-SAFE RAM DIAG. ERROR(RD ADDR)

The ASF30 board has detected RAM diagnosis error.

Sub Code	Meaning	Cause	Remedy
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1888: F-SAFE RAM DIAG. ERROR(WT ADDR)

The ASF30 board has detected RAM diagnosis error.

Sub Code	Meaning	Cause	Remedy
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1889: F-SAFE OPCODE DIAG. ERROR

The ASF30 board has detected OPCODE diagnosis error.

Sub Code	Meaning	Cause	Remedy
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1890: F-SAFE M-SAFETY COMM ERROR

The communication error occurred between the ASF30 and the ASF30 board.

Sub Code	Meaning	Cause	Remedy
1	Machine safety did not come by an online mode.	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.

1890: F-SAFE M-SAFETY COMM ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
2	Functional safety received an offline command.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
3	There was no response from machine safety board with in the time limit.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
4	Functional safety board was not able to detect the first of the sequential number.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
5	Functional safety board detected CRC error.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.

1890: F-SAFE M-SAFETY COMM ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
6	Functional safety board detected sequential number error.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
7	Interrupt signal does not occur from the machine safety board.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
8	Communication data error of Machine Safety was detected. (Running number over)	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
9	Communication data error of Machine Safety was detected. (Running number don't change)	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.

1890: F-SAFE M-SAFETY COMM ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
10	Communication data of CPU1 and CPU2 is mismatch.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
11	Allocation requests of safety field bus signal is abnormal.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
12	The error of JL098 communication data was detected.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
14	The communication error is detected in the ASF30 board.	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1891: F-SAFE OUTPUT SIGNAL UNMATCH

Output data from CPU1 and CPU2 is mismatch.

Sub Code	Meaning	Cause	Remedy
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1892: F-SAFE COND FILE SETTING ERR

The ASF30 board has detected the condition file abnormality.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Indicates the type of condition file abnormality occurs. 0:Axis range limit function 1:Axis speed monitor function 2:Speed limit function 3:Robot range limit function 4:Tool angle monitor function 5:Tool change monitor function	Setting error	Check condition file that is indicated in the sub code is set correctly.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1894: F-SAFE STACK DIAG. ERROR

The ASF30 board has detected stack diagnosis error.

Sub Code	Meaning	Cause	Remedy
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1895: F-SAFE REGISTER DIAG. ERROR

The ASF30 board has detected register diagnosis error.

Sub Code	Meaning	Cause	Remedy
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1896: F-SAFE SEQUENCE WATCH ERROR

The ASF30 board has detected seaquence monitor error.

Sub Code	Meaning	Cause	Remedy
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1897: F-SAFE WATCHDOG ERROR

The ASF30 board has detected watchdog monitor error.

Sub Code	Meaning	Cause	Remedy
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1898: F-SAFE ENCODER SELECT ERROR

The Change of encoder communication of Function Safety ERROR was detected.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred	ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1899: F-SAFE MONITOR EXECUTE TIME OVER

The diagnosis processing of Function Safety was not completed in the definite time.

Sub Code	Meaning	Cause	Remedy
		Setting error	Reduce the condition file.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1920: SYSTEM ERROR(PFL)

Process is not performed properly on the ASF04 board.

Sub Code	Meaning	Cause	Remedy
		Connection error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF04 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1921: VOLTAGE OUT OF RANGE(PFL)

ASF04 board CPU is duplex. And, hardware voltage is checked each other. And, one of the duplex system detects abnormal voltage.

Sub Code	Meaning	Cause	Remedy
		ASF04 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Connection error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.

◆ 1922: CPU COMMUNICATION ERROR(PFL)

Communication error is happened between ACP31 board and ASF04 board.

Sub Code	Meaning	Cause	Remedy
		Connection error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF04 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.

◆ 1923: TORQUE MUTUAL DIAG. ERR(PFL)

Difference of Calculated external force torque result exceeds the threshold on ASF04 board's duplex CPU.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred	ASF01 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Torque sensor failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1924: FORCE MUTUAL DIAG. ERR(PFL)

Difference of calculated external force result exceeds threshold on ASF04 board's duplex CPU.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the direction in which the alarm occurred	ASF04 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Torque sensor failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1925: TRQ SENSOR SENDING ERROR

An error occurred in the torque sensor communication.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred	ASF04 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1926: TRQ SENSOR RECEIVING ERROR

An error occurred in the torque sensor communication.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred	Connection error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Power board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the power board of torque sensor.
		Torque sensor failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
		Fuse failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1927: TRQ SENSOR AXIS NUMBER ERROR

An error occurred in the torque sensor communication.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred	Torque sensor failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1928: TRQ SENSOR SEQ.NUMBER ERROR

An error occurred in the torque sensor communication.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred	Torque sensor failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1929: TRQ SENSOR CRC ERROR

An error occurred in the torque sensor communication.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred	Torque sensor failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1930: SYSTEM ERROR1(PFL)

Process is not performed properly on the ASF04 board.

Sub Code	Meaning	Cause	Remedy
		ASF04 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.

◆ 1931: ARITHMETIC ERROR(PFL)

Process is not performed properly on the ASF04 board.

Sub Code	Meaning	Cause	Remedy
		ASF04 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.

◆ 1932: ENCODER COMM. ERR(PFL)

ASF04 board's encoder communication error.

Sub Code	Meaning	Cause	Remedy
		Connection error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF04 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1933: ENCODER CORR. NUM OVER(PFL)

ASF04 board monitors position information of encoder. If communication error is occurred at any control period, monitor it which is based on the previous position data. And then, calibration data is checked, and if threshold is exceeded, alarm is happened.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred	Connection error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1934: ROM DIAGNOSIS ERROR(PFL)

ASF04 board's ROM diagnostics function detects error.

Sub Code	Meaning	Cause	Remedy
		ASF04 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1935: RAM DIAGNOSIS ERROR(PFL)

ASF04 board's RAM diagnostics function detects error.

Sub Code	Meaning	Cause	Remedy
		ASF04 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1936: RAM DIAG. READ ERROR(PFL)

ASF04 board's RAM diagnostics function detects error.

Sub Code	Meaning	Cause	Remedy
		ASF04 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1937: RAM DIAG. WRITE ERROR(PFL)

ASF04 board's RAM diagnostics function detects error.

Sub Code	Meaning	Cause	Remedy
		ASF04 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1938: REGISTER DIAG. ERROR(PFL)

ASF04 board's Register diagnostics function detects error.

Sub Code	Meaning	Cause	Remedy
		ASF04 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1939: STACK DIAG ERROR(PFL)

ASF04 board's Stack diagnostics function detects error.

Sub Code	Meaning	Cause	Remedy
		ASF04 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1940: SEQUENCE DIAG. ERROR(PFL)

ASF04 board's Sequence diagnostics function detects error.

Sub Code	Meaning	Cause	Remedy
		ASF04 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1941: WATCHDOG ERROR(PFL)

ASF04 board's Watch-dog monitoring function detects error.

Sub Code	Meaning	Cause	Remedy
		ASF04 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1942: VOLTAGE WATCH ERROR(PFL)

ASF04 board's voltage monitoring function detects error.

Sub Code	Meaning	Cause	Remedy
		ASF04 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1943: OPCODE DIAG. ERROR(PFL)

ASF04 board's Opcode diagnostics function detects error.

Sub Code	Meaning	Cause	Remedy
		ASF04 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1944: TOOL NUMBER ERROR(PFL)

Tool change monitoring function's tool number and PFL board's tool number is not same.

Sub Code	Meaning	Cause	Remedy
	Sub Code:Setting file number	ASF31 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF04 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.

◆ 1945: TRQ SENSOR ERROR

Detect torque sensor error

Sub Code	Meaning	Cause	Remedy
	Subcode means error cause. 12: ROM error 14: Voltage error 15: Temperature error	Torque sensor failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 1946: API ERROR(PFL)

Detect API(PFL) error

Sub Code	Meaning	Cause	Remedy
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If subcode from 3000 to 3999, confirm the specification of MotoPlus App you installed. 3. If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

YRC1000micro

ALARM CODES
(MAJOR ALARMS)

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MANUAL NO. RE-CER-A601 ③
January 2024 17-07
MAJOR ALARMS

YASKAWA

YRC1000micro

ALARM CODES
(MINOR ALARMS)

- Upon receipt of the product and prior to initial operation, read these instructions thoroughly, and retain for future reference.
- This instruction consists of “MAJOR ALARMS” version and “MINOR ALARMS” version.

MOTOMAN INSTRUCTIONS

MOTOMAN-□□□ INSTRUCTIONS
YRC1000micro INSTRUCTIONS
YRC1000micro OPERATOR’S MANUAL
YRC1000micro MAINTENANCE MANUAL
YRC1000micro ALARM CODES (MAJOR ALARMS) (MINOR ALARMS)

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MINOR ALARMS

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i.1 Notes for Safe Operation

⚠DANGER

This manual explains the ALARM CODES of the YRC1000micro system. Read this manual carefully and be sure to understand its contents before handling this product. Any matter not described in this manual must be regarded as “prohibited” or “improper”.
General information related to safety are described in “Chapter 1. Safety” of the YRC1000micro INSTRUCTIONS. To ensure correct and safe operation, carefully read “Chapter 1. Safety” of the INSTRUCTIONS.

⚠CAUTION

In some drawings in this manual, protective covers or shields are removed to show details. Make sure that all the covers or shields are installed in place before operating this product.
YASKAWA is not responsible for incidents arising from unauthorized modification of its products. Unauthorized modification voids the product warranty.

NOTICE

The drawings and photos in this manual are representative examples and differences may exist between them and the delivered product.
YASKAWA may modify this model without notice when necessary due to product improvements, modifications, or changes in specifications. If such modification is made, the manual number will also be revised.
If your copy of the manual is damaged or lost, contact a YASKAWA representative to order a new copy. Be sure to tell the representative the manual number listed on the front cover.

◆ Safety Information

Read this manual carefully before installation, operation, maintenance, or inspection of this product.
In this manual, the Notes for Safe Operation are classified as “DANGER”, “WARNING”, “CAUTION”, or “NOTICE”.

⚠DANGER

Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury. Safety Signs identified by the signal word DANGER should be used sparingly and only for those situations presenting the most serious hazards.

⚠WARNING

Indicates a potentially hazardous situation which, if not avoided, will result in death or serious injury. Hazards identified by the signal word WARNING present a lesser degree of risk of injury or death than those identified by the signal word DANGER.

⚠CAUTION

Indicates a hazardous situation, which if not avoided, could result in minor or moderate injury. It may also be used without the safety alert symbol as an alternative to “NOTICE”.

NOTICE

NOTICE is the preferred signal word to address practices not related to personal injury. The safety alert symbol should not be used with this signal word. As an alternative to "NOTICE", the word "CAUTION" without the safety alert symbol may be used to indicate a message not related to personal injury.

Even items described as "CAUTION" may result in a serious accident in some situations. At any rate, be sure to follow these important items.

◆ Safety Precautions That Must Always Be Observed

⚠DANGER

Before operating the manipulator, make sure the servo power is turned OFF by performing the following operations. When the servo power is turned OFF, the SERVO ON LED on the programming pendant is turned OFF.

- **Press the emergency stop button on the programming pendant or on the external control device, etc.**
- **Disconnect the safety plug of the safety fence. (when in the play mode or in the remote mode)**

If operation of the manipulator cannot be stopped in an emergency, personal injury and/or equipment damage may result.

<Emergency Stop Button>

Before releasing the emergency stop, make sure to remove the obstacle or error caused the emergency stop, if any, and then turn the servo power ON.

Failure to observe this instruction may cause unintended movement of the manipulator, which may result in personal injury.

<Release of Emergency Stop>

Observe the following precautions when performing a teaching operation within the manipulator's operating range:

- **Be sure to perform lockout by putting a lockout device on the safety fence when going into the area enclosed by the safety fence. In addition, the operator of the teaching operation must display the sign that the operation is being performed so that no other person closes the safety fence.**
- **View the manipulator from the front whenever possible.**
- **Always follow the predetermined operating procedure.**
- **Always keep in mind emergency response measures against the manipulator's unexpected movement toward a person.**
- **Ensure a safe place to retreat in case of emergency.**

Failure to observe this instruction may cause improper or unintended movement of the manipulator, which may result in personal injury.

⚠DANGER

Confirm that no person is present in the manipulator's operating range and that the operator is in a safe location before:

- **Turning ON the YRC1000micro power**
- **Moving the manipulator by using the programming pendant**
- **Running the system in the check mode**
- **Performing automatic operations**

Personal injury may result if a person enters the manipulator's operating range during operation. Immediately press an emergency stop button whenever there is a problem.
The emergency stop button is located on the upper right of the programming pendant.

Read and understand the Explanation of the Warning Labels before operating the manipulator.

In the case of not using the programming pendant, be sure to supply the emergency stop button on the equipment. Then before operating the manipulator, check to be sure that the servo power is turned OFF by pressing the emergency stop button. Connect the external emergency stop button to the 4-14 pin and 5-15 pin of the Safety connector (Safety).

Upon shipment of the YRC1000micro, this signal is connected by a jumper cable in the dummy connector. To use the signal, make sure to supply a new connector, and then input it.
If the signal is input with the jumper cable connected, it does not function, which may result in personal injury or equipment damage.

⚠WARNING

Perform the following inspection procedures prior to conducting manipulator teaching. If there is any problem, immediately take necessary steps to solve it, such as maintenance and repair.

- **Check for a problem in manipulator movement.**
- **Check for damage to insulation and sheathing of external wires.**

Always return the programming pendant to the hook on the cabinet after use.
If the programming pendant is left unattended on the manipulator, on a fixture, or on the floor, etc., the Enable Switch may be activated due to surface irregularities of where it is left, and the servo power may be turned ON. In addition, in case the operation of the manipulator starts, the manipulator or the tool may hit the programming pendant left unattended, which may result in personal injury and/or equipment damage.

◆ Definition of Terms Used Often in This Manual

The MOTOMAN is the YASKAWA industrial robot product.
The MOTOMAN usually consists of the manipulator, the YRC1000micro controller, manipulator cables, the YRC1000micro programming pendant (optional), and the YRC1000micro programming pendant safety signal short circuit connector (optional).
In this manual, the equipment is designated as follows.

Equipment	Manual Designation
YRC1000micro controller	YRC1000micro
YRC1000micro programming pendant	Programming pendant (optional)
Cable between the manipulator and the controller	Manipulator cable
YRC1000micro programming pendant safety signal short circuit connector	Programming pendant safety signal short circuit connector (optional)

Descriptions of the programming pendant keys, buttons, and displays are shown as follows:

Equipment		Manual Designation
Programming Pendant	Character Keys/Symbol Keys	The keys which have characters or symbols printed on them are denoted with [ ]. e.g. [ENTER]
	Axis Keys/Numeric Keys	[Axis Key] and [Numeric Key] are generic names for the keys for axis operation and number input.
	Keys pressed simultaneously	When two keys are to be pressed simultaneously, the keys are shown with a “+” sign between them, e.g. [SHIFT]+[COORD].
	Mode Switch	Mode Switch can select three kinds of modes that are denoted as follows: REMOTE, PLAY or TEACH. (The switch names are denoted as symbols)
	Button	The three buttons on the upper side of the programming pendant are denoted as follows: START, HOLD, or EMERGENCY STOP. (The button names are denoted as symbols)
	Displays	The menu displayed in the programming pendant is denoted with { }. e.g. {JOB}

◆ Description of the Operation Procedure

In the explanation of the operation procedure, the expression “Select • • •” means that the cursor is moved to the object item and the [SELECT] is pressed, or that the item is directly selected by touching the screen.

◆ Registered Trademark

In this manual, names of companies, corporations, or products are trademarks, registered trademarks, or brand names for each company or corporation.
The indications of (R) and TM are omitted.

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Alarm List

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1.3 Alarm Number (6000 to 6999) 555

1.1 Alarm Number (4000 to 4999)

◆ 4000: MEMORY ERROR(TOOL FILE)

An error was detected at memory check.
The memory for the tool file is damaged.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Tool number	Data error	1. Reset the alarm. 2. If the alarm occurs again, initialize the tool file in maintenance mode, and then load the tool file saved in the external memory device.
		ACP30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4001: MEMORY ERROR(USER COORD FILE)

An error was detected at memory check.
The memory for the user coordinates file is damaged.

Sub Code	Meaning	Cause	Remedy
	Sub Code: User coordinate number	Data error	1. Reset the alarm. 2. If the alarm occurs again, initialize the user coordinates file in maintenance mode, and then load the user coordinates file saved in the external memory device.
		ACP30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4002: MEMORY ERROR(SV MON SIGNAL FILE)

An error was detected at memory check.
The memory for the servo monitor signal file is damaged.

Sub Code	Meaning	Cause	Remedy
		Data error	1. Reset the alarm. 2. If the alarm occurs again, initialize the servo monitor signal file in maintenance mode, and then load the servo monitor signal file saved in the external memory device.
		ACP30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4003: MEMORY ERROR(WEAVING FILE)

An error was detected at memory check.
The memory for the weaving condition file is damaged.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Page number	Data error	1. Reset the alarm. 2. If the alarm occurs again, initialize the weaving condition file in maintenance mode, and then load the weaving condition file saved in the external memory device.
		ACP30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4004: MEMORY ERROR(HOME POS FILE)

An error was detected at memory check.
The memory for the home positioning file is damaged.

Sub Code	Meaning	Cause	Remedy
		Data error	1. Reset the alarm. 2. If the alarm occurs again, initialize the home positioning file in maintenance mode, and then load the home positioning file saved in the external memory device.
		ACP30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4005: MEMORY ERROR(SECOND HOME POS)

An error was detected at memory check.
The memory for the second home position file is damaged.

Sub Code	Meaning	Cause	Remedy
		Data error	1. Reset the alarm. 2. If the alarm occurs again, initialize the second home positioning file in maintenance mode, and then load the second home positioning file saved in the external memory device.
		ACP30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4011: MEMORY ERROR(FILE DATA)

An error was detected at memory check.

Sub Code	Meaning	Cause	Remedy
243	The memory for the learning control I/O allocation file is damaged.	Data error	1. Reset the alarm. 2. If the alarm occurs again, initialize the learning control I/O allocation file in maintenance mode, and then load the learning control I/O allocation file saved in the external memory device.
		ACP30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
261	The memory for the IOSPDCTRL setup file is damaged.	Data error	1. Reset the alarm. 2. If the alarm occurs again, initialize the IOSPDCTRL setup file in maintenance mode, and then load the IOSPDCTRL setup file saved in the external memory device.
		ACP30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
262	The memory for the SETTM SETUP file is damaged.	Data error	1. Reset the alarm. 2. If the alarm occurs again, initialize the SETTM SETUP in maintenance mode, and then load the SETTM SETUP saved in the external memory device.
		ACP30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
263	The memory for the TIMER VARIABLE NAME file is damaged.	Data error	1. Reset the alarm. 2. If the alarm occurs again, initialize the TIMER VARIABLE NAME file in maintenance mode, and then load the TIMER VARIABLE NAME file saved in the external memory device.
		ACP30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
265	The memory for the USER GROUP INPUT file is damaged.	Data error	1. Reset the alarm. 2. If the alarm occurs again, initialize the USER GROUP INPUT file in maintenance mode, and then load the USER GROUP INPUT file saved in the external memory device.

4011: MEMORY ERROR(FILE DATA) (continued)

Sub Code	Meaning	Cause	Remedy
		ACP30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
266	The memory for the USER GROUP OUTPUT file is damaged.	Data error	1. Reset the alarm. 2. If the alarm occurs again, initialize the USER GROUP OUTPUT file in maintenance mode, and then load the USER GROUP OUTPUT file saved in the external memory device.
		ACP30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
267	The memory for the SENSPS SETTING DATA is damaged.	Data error	1. Reset the alarm. 2. If the alarm occurs again, initialize the SENSPS SETTING DATA in maintenance mode, and then load the SENSPS SETTING DATA saved in the external memory device.
		ACP30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
268	The memory for the USER ANALOG INPUT file is damaged.	Data error	1. Reset the alarm. 2. If the alarm occurs again, initialize the USER ANALOG INPUT file in maintenance mode, and then load the USER ANALOG INPUT file saved in the external memory device.
		ACP30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
269	The memory for the USER ANALOG OUTPUT file is damaged.	Data error	1. Reset the alarm. 2. If the alarm occurs again, initialize the USER ANALOG OUTPUT file in maintenance mode, and then load the USER ANALOG OUTPUT file saved in the external memory device.
		ACP30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4011: MEMORY ERROR(FILE DATA) (continued)

Sub Code	Meaning	Cause	Remedy
270	The memory for the F-SAFETY SIGNAL ALLOC file is damaged.	Data error	1. Reset the alarm. 2. If the alarm occurs again, initialize the USER ANALOG OUTPUT file in maintenance mode, and then load the USER ANALOG OUTPUT file saved in the external memory device.
		ACP30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
271	The memory for the SLC EXT. SIGNAL ALLOC file is damaged.	Data error	1. Reset the alarm. 2. If the alarm occurs again, initialize the ysf logic file in maintenance mode, and then load the ysf logic file saved in the external memory device.
		ACP30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
272	The memory for the ysf logic comment file is damaged.	Data error	1. Reset the alarm. 2. If the alarm occurs again, initialize the ysf logic file in maintenance mode, and then load the ysf logic file saved in the external memory device.
		ACP30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
273	The memory for the timer set file is damaged.	Data error	1. Reset the alarm. 2. If the alarm occurs again, initialize the ysf logic file in maintenance mode, and then load the ysf logic file saved in the external memory device.
		ACP30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
277	The memory for the reducer remain time file is damaged.	Data error	1. Reset the alarm. 2. If the alarm occurs again, initialize the reducer remain time file in maintenance mode, and then load the reducer remain time file saved in the external memory device.
		ACP30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.

4011: MEMORY ERROR(FILE DATA) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
278	The memory for the ysf logic signal display setup file is damaged.	Data error	1. Reset the alarm. 2. If the alarm occurs again, initialize the ysf logic file in maintenance mode, and then load the ysf logic file saved in the external memory device.
		ACP30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
284	The memory for the F-SAFETY SIGNAL ALLOC file is damaged.	Data error	1. Reset the alarm. 2. If the alarm occurs again, initialize the ysf logic file in maintenance mode, and then load the ysf logic file saved in the external memory device.
		ACP30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
285	The memory for the SPECIFIC INPUT COMMENT SET file is damaged.	Data error	1. Reset the alarm. 2. If the alarm occurs again, initialize the ysf logic file in maintenance mode, and then load the ysf logic file saved in the external memory device.
		ACP30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
286	The memory for the operating time database is damaged.	Data error	1. Reset the alarm. 2. If the alarm occurs again, initialize the operating time database in maintenance mode, and then load the operating time database saved in the external memory device.
		ACP30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
287	The memory for the operating time database is damaged.	Data error	1. Reset the alarm. 2. If the alarm occurs again, initialize the operating time database in maintenance mode, and then load the operating time database saved in the external memory device.

4011: MEMORY ERROR(FILE DATA) (continued)

Sub Code	Meaning	Cause	Remedy
		ACP30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
288	The memory for the operating time database is damaged.	Data error	1. Reset the alarm. 2. If the alarm occurs again, initialize the operating time database in maintenance mode, and then load the operating time database saved in the external memory device.
		ACP30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
289	The memory for the Job Monitor is damaged.	Data error	1. Reset the alarm. 2. If the alarm occurs again, initialize the operating time database in maintenance mode, and then load the operating time database saved in the external memory device.
		ACP30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the ACP01 board. Save the CMOS.BIN before replace the board to be safe. Replace the ACP01 board, and then insert the SD card which inserted original ACP01 board into the new ACP01 board.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
290	The memory for the STEP DIAGNOSIS file is damaged.	Data error	1. Reset the alarm. 2. If the alarm occurs again, initialize the STEP DIAGNOSIS file in maintenance mode, and then load the STEP DIAGNOSIS saved in the external memory device.
		ACP30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
291	The memory for the ROBOT MONITOR file is damaged.	Data error	1. Reset the alarm. 2. If the alarm occurs again, initialize the ROBOT MONITOR in maintenance mode, and then load the ROBOT MONITOR file saved in the external memory device.
		ACP30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.

4011: MEMORY ERROR(FILE DATA) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
292	The memory for the ROBOT ARRANGEMENT SETUP file is damaged.	Data error	1. Reset the alarm. 2. If the alarm occurs again, initialize the ROBOT ARRANGEMENT SETUP in maintenance mode, and then load the ROBOT ARRANGEMENT SETUP file saved in the external memory device.
		ACP30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
295	The memory for the ROBOT RANGE DISP DATA is damaged.	Data error	1. Reset the alarm. 2. If the alarm occurs again, initialize the ROBOT RANGE DISP DATA in maintenance mode, and then set the ROBOT RANGE DISP DATA.
		ACP30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
298	The memory for the servo power time is damaged.	Data error	1. Reset the alarm. 2. If the alarm occurs again, initialize the servo power time database in maintenance mode, and then load the servo power time database saved in the external memory device.
		ACP30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
299	The memory for the SYNCHRO WELDING PARAMETER is damaged.	Data error	1. Reset the alarm. 2. If the alarm occurs again, initialize the SYNCHRO WELDING PARAMETER in maintenance mode, and then load the SYNCHRO WELDING PARAMETER saved in the external memory device.
		ACP30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
300	The memory for the ysf logic file is damaged.	Data error	1. Reset the alarm. 2. If the alarm occurs again, initialize the ysf logic file in maintenance mode, and then load the ysf logic file saved in the external memory device.

4011: MEMORY ERROR(FILE DATA) (continued)

Sub Code	Meaning	Cause	Remedy
		ACP30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
301	The memory for the ysf logic comment file is damaged.	Data error	1. Reset the alarm. 2. If the alarm occurs again, initialize the ysf logic file in maintenance mode, and then load the ysf logic file saved in the external memory device.
		ACP30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4012: MEMORY ERROR(LINK SERVOFLOAT)

An error was detected at memory check.
The memory for the link servo float condition file is damaged.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Condition file number	Data error	1. Reset the alarm. 2. If the alarm occurs again, initialize the link servo float condition file in maintenance mode, and then load the link servo float condition file saved in the external memory device.
		ACP30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4013: MEMORY ERROR(LINEAR SERVOFLOAT)

An error was detected at memory check.
The memory for the linear servo float condition file is damaged.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Condition file number	Data error	1. Reset the alarm. 2. If the alarm occurs again, initialize the linear servo float condition file in maintenance mode, and then load the linear servo float condition file saved in the external memory device.
		ACP30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4014: MEMORY ERROR(ROBOT CALIB FILE)

An error was detected at memory check.
The memory for the file for calibration between manipulators is damaged.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Page number	Data error	1. Reset the alarm. 2. If the alarm occurs again, initialize the file for calibration between manipulators in maintenance mode, and then load the file for calibration between manipulators saved in the external memory device.
		ACP30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4017: MEMORY ERROR(POWER SRC USER-DEF)

An error was detected at memory check.
The memory for the Power Source user definition file is damaged.

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4018: MEMORY ERR(LADDER PRG FILE)

An error was detected at memory check.
The memory for the ladder program file is damaged.

Sub Code	Meaning	Cause	Remedy
		Data error	1. Reset the alarm. 2. If the alarm occurs again, initialize the ladder program file in maintenance mode, and then load the ladder program file saved in the external memory device.
		ACP30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4020: MEMORY ERROR(OPERATION ORIGIN)

An error was detected at memory check.
The memory for the work home position file is damaged.

Sub Code	Meaning	Cause	Remedy
		Data error	1. Reset the alarm. 2. If the alarm occurs again, initialize the work home position file in maintenance mode, and then load the work home position file saved in the external memory device.
		ACP01 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4021: MEMORY ERROR(CONVEYOR COND FILE)

An error was detected at memory check.
The memory for the conveyor condition file is damaged.

Sub Code	Meaning	Cause	Remedy
		Data error	1. Reset the alarm. 2. If the alarm occurs again, initialize the conveyor condition file in maintenance mode, and then load the conveyor condition file saved in the external memory device.
		ACP01 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4024: MEMORY ERR(WRIST WEAV AMP FILE)

An error was detected at memory check.
The memory for the wrist weaving amplitude file is damaged.

Sub Code	Meaning	Cause	Remedy
		Data error	1. Reset the alarm. 2. If the alarm occurs again, initialize the wrist weaving amplitude file in maintenance mode, and then load the wrist weaving amplitude file saved in the external memory device.
		ACP30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4025: MEMORY ERROR(INTERRUPT JOB FILE)

An error was detected at memory check.
The memory for the interrupt job file is damaged.

Sub Code	Meaning	Cause	Remedy
		Data error	1. Reset the alarm. 2. If the alarm occurs again, initialize the interrupt job file in maintenance mode, and then load the interrupt job file saved in the external memory device.
		ACP30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4030: MEMORY ERR(PRESS COND DATA FILE)

An error was detected at memory check.
The memory for the press condition file is damaged.

Sub Code	Meaning	Cause	Remedy
	Sub Code: File number	Data error	1. Reset the alarm. 2. If the alarm occurs again, initialize the press condition file in maintenance mode, and then load the press condition file saved in the external memory device.
		ACP30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4034: MEMORY ERR(ANTICIPATION OT FILE)

An error was detected at memory check.
The memory for the anticipation outputs (OT) file is damaged.

Sub Code	Meaning	Cause	Remedy
		Data error	1. Reset the alarm. 2. If the alarm occurs again, initialize the anticipation output (OT) file in maintenance mode, and then load the anticipation output (OT) file saved in the external memory device.
		ACP30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4035: MEMORY ERR(ANTICIPATION OG FILE)

An error was detected at memory check.
The memory for the anticipation outputs (OG) file is damaged.

Sub Code	Meaning	Cause	Remedy
		Data error	1. Reset the alarm. 2. If the alarm occurs again, initialize the anticipation output (OG) file in maintenance mode, and then load the anticipation output (OG) file saved in the external memory device.
		ACP30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4039: MEMORY ERROR(FORM CUT FILE)

An error was detected at memory check.
The memory for the form cut file is damaged.

Sub Code	Meaning	Cause	Remedy
	Sub Code: File number	Data error	1. Reset the alarm. 2. If the alarm occurs again, initialize the form cut file in maintenance mode, and then load the form cut file saved in the external memory device.
		ACP30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4040: MEMORY ERROR(SHOCK LEVEL FILE)

An error was detected at memory check.
The memory for the shock level file is damaged.

Sub Code	Meaning	Cause	Remedy
	Sub Code: File number	Data error	1. Reset the alarm. 2. If the alarm occurs again, initialize the shock level file in maintenance mode, and then load the shock level file saved in the external memory device.
		ACP30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4042: MEMORY ERROR(VISION FILE)

An error was detected at memory check.
The memory for the vision condition file is damaged.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Page number	Data error	1. Reset the alarm. 2. If the alarm occurs again, initialize the vision condition file in maintenance mode, and then load the vision condition file saved in the external memory device.
		ACP30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4043: MEMORY ERROR(VISION CALIBRATION)

An error was detected at memory check.
The memory for the vision calibration file is damaged.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Page number	Data error	1. Reset the alarm. 2. If the alarm occurs again, initialize the vision calibration file in maintenance mode, and then load the vision calibration file saved in the external memory device.
		ACP30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4046: MEMORY ERR(CONVEYOR CALIB FILE)

An error was detected at memory check.
The memory for the conveyor calibration file is damaged.

Sub Code	Meaning	Cause	Remedy
	Sub Code: File number	Data error	1. Reset the alarm. 2. If the alarm occurs again, initialize the conveyor calibration file in maintenance mode, and then load the conveyor calibration file saved in the external memory device.
		ACP30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4047: MEMORY ERROR(MACRO DEFINITION FILE)

An error was detected at memory check.
The memory for the macro definition file is damaged.

Sub Code	Meaning	Cause	Remedy
		Data error	1. Reset the alarm. 2. If the alarm occurs again, initialize the macro definition file in maintenance mode, and then load the macro definition file saved in the external memory device.
		ACP30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4050: MEMORY ERR(AXIS I/O ALLOC FILE)

An error was detected at memory check.
The memory for the axis motion I/O allocation file is damaged.

Sub Code	Meaning	Cause	Remedy
		Data error	1. Reset the alarm. 2. If the alarm occurs again, initialize the axis motion I/O allocation file in maintenance mode, and then load the axis motion I/O allocation file saved in the external memory device.
		ACP30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4052: MEMORY ERROR(TOOL INTERFERENCE)

An error was detected at memory check.
The memory for the tool interference file is damaged.

Sub Code	Meaning	Cause	Remedy
	Sub Code: File number	Data error	1. Reset the alarm. 2. If the alarm occurs again, initialize the tool interference file in maintenance mode, and then load the tool interference file saved in the external memory device.
		ACP30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4063: MEMORY ERR(CONVEYOR COND SUPP.)

An error was detected at memory check.
The memory for the conveyor condition auxiliary file is damaged.

Sub Code	Meaning	Cause	Remedy
	Sub Code: File number	Data error	1. Reset the alarm. 2. If the alarm occurs again, initialize the conveyor condition auxiliary file in maintenance mode, and then load the conveyor condition auxiliary file saved in the external memory device.
		ACP30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4065: MEMORY ERROR(I/F PANEL FILE)

An error was detected at memory check.
The memory for the I/F panel file is damaged.

Sub Code	Meaning	Cause	Remedy
		Data error	1. Reset the alarm. 2. If the alarm occurs again, initialize the I/F panel file in maintenance mode, and then load the I/F panel file saved in the external memory device.
		ACP30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4069: MEMORY ERR(PALLETIZE COND FILE)

An error was detected at memory check.
The memory for the palletizing condition file is damaged.

Sub Code	Meaning	Cause	Remedy
		Data error	1. Reset the alarm. 2. If the alarm occurs again, initialize the palletize condition file in maintenance mode, and then load the palletize condition file saved in the external memory device.
		ACP30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4080: MEMORY ERR(MUTUAL WAIT SET FILE)

An error was detected at memory check.
The memory for the mutual wait set file is damaged.

Sub Code	Meaning	Cause	Remedy
		Data error	1. Reset the alarm. 2. If the alarm occurs again, initialize the mutual wait set file in maintenance mode, and then load the mutual wait set file saved in the external memory device.
		ACP01 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		AIF01 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4084: ROBOT SYNC. ERROR

An error was detected in the mutual wait function.

Sub Code	Meaning	Cause	Remedy
	SubCode 0000_0000_0000_0001:No response was returned from the mutual wait target. 0000_0000_0000_0010:An error occurred in the communication with the mutual wait target during the execution of RSYNC. 0000_0000_0000_0110：The setting of the mutual wait target was changed during the execution of RSYNC. 0000_0000_0001_0000:The mutual wait manipulator No. of the RSYNC is abnormal. 0000_0000_0010_0000:RSYNC was doubly executed. 0000_0000_0101_0000：An illegal notification was received from mutual wait target. 0000_0000_0111_0000：RSYNC was executed for the disconnected robot.	Setting error	SubCode 0000_0000_0000_0001 1. Reset the alarm. 2. Check the contents of the mutual wait setting file. 3. Check the network setting of the mutual wait target.
		Connection failure	SubCode 0000_0000_0000_0001 0000_0000_0000_0010 1. Reset the alarm. 2. Check the communication connection with the mutual wait target.
		HUB failure	SubCode 0000_0000_0000_0001 0000_0000_0000_0010 1. Reset the alarm. 2. Check the communication connection with the mutual wait target.
		Setting error	SubCode: 0000_0000_0000_0110 1. Reset the alarm. 2. During the execution of the RSYNC instruction, check whether mutual waiting function setting change and isolation (specific input signal # 40563 = ON) are not performed.
		Setting error	SubCode 0000_0000_0001_0000 1. Reset the alarm. 2. Check the mutual wait manipulator No. of the RSYNC.

4084: ROBOT SYNC. ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		Setting error	SubCode 0000_0000_0010_0000 1. Reset the alarm. 2. Correct the job so that the RSYNC instruction will not be executed at the same time in multiple task job. 3. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		Software operation error occurred	SubCode 0000_0000_0101_0000 1. Reset the alarm. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		Setting error	SubCode 0000_0000_0111_0000 1. Reset the alarm. 2. Make sure that the RSYNC instruction is not executed at the robot controller during isolation (dedicated input signal # 40563 = ON).
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4086: MEMORY ERROR(YSF SET FILE)

An error was detected at memory check.
The memory for the ysf set file is damaged.

Sub Code	Meaning	Cause	Remedy
		Data error	1. Reset the alarm. 2. If the alarm occurs again, initialize the ysf logic file in maintenance mode, and then load the ysf logic file saved in the external memory device.
		ACP30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4087: MEMORY ERROR(YSF TMR FILE)

An error was detected at memory check.
The memory for the ysf timer file is damaged.

Sub Code	Meaning	Cause	Remedy
		Data error	1. Reset the alarm. 2. If the alarm occurs again, initialize the ysf logic file in maintenance mode, and then load the ysf logic file saved in the external memory device.
		ACP01 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4088: MEMORY ERROR(YSF LOGIC FILE)

An error was detected at memory check.
The memory for the ysf logic file is damaged.

Sub Code	Meaning	Cause	Remedy
		Data error	1. Reset the alarm. 2. If the alarm occurs again, initialize the ysf logic file in maintenance mode, and then load the ysf logic file saved in the external memory device.
		ACP30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4095: PULLBACK ERROR (PFL)

An error was detected in the PFL pullback function.

Sub Code	Meaning	Cause	Remedy
1	The pullback was executed when the shock detection function was invalid.	Setting error	Check the following settings. Shock Detection Function Pullback signal
		Setting error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
2	ASF04 board Pullback axis mismatch	Setting error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

4095: PULLBACK ERROR (PFL) (continued)

Sub Code	Meaning	Cause	Remedy
3	ASF04 board Pullback signal not detected	ASF04 board failure	If ASF04 board is used, need to confirm the following. 1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the ASF04 board. Save the CMOS.BIN before replace the board to be safe.
		Setting error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 4099: DC 24V POWER SUPPLY FAILURE(CPS)

An error was detected in the voltage value of the CPS power.

Sub Code	Meaning	Cause	Remedy
		POWER SUPPLY unit failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Short circuit or ground fault	1. Reset the alarm. 2. If the alarm occurs again, check the connection and inserting state of the following cables and connectors. Check the insertion, connection, Short circuit or ground fault of the followings. • GPIS,SAFTY
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4102: SYSTEM DATA HAS BEEN CHANGED

The system parameters are modified.
An attempt was made to turn ON the servo power supply after having modified the system parameters.

Sub Code	Meaning	Cause	Remedy
		System data changed	1. Reset the alarm. 2. Turn the power OFF then back ON before turning ON the servo power supply.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4103: PARALLEL START INSTRUCTION ERROR

An error occurred in the independent control startup operation.

Sub Code	Meaning	Cause	Remedy
1	Sub task being executed: Although a job is being executed by instructed sub task, an attempt was made to execute another job by the sub task.	Setting error	1. Reset the alarm. 2. Check if other JOB has been already executed in the same task which is used in the PSTART. If same task need to be executed in series, add PWAIT to confirm if the previous task end.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	Group axis being used: The job operated by another sub task uses the same group axis.	Setting error	1. Reset the alarm. 2. Check if the control group of the JOB which is used in the PSTART has been already executed in other task. If the same group need to be executed in series, add PWAIT to confirm if the other task end.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	Multiple start of same job: The job that was tried to be started was executed by another sub task.	Setting error	1. Reset the alarm. 2. Check if the JOB which is used in the PSTART has been already executed in other task. If the same job need to be executed in series, add PWAIT to confirm if the ohter task end.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	Unregistered master job: Although the master job was not registered, an attempt was made to execute PSTART SUB (job name omitted).	Setting error	1. Reset the alarm. 2. Check the following settings. • The master job of the subtask is registered
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
5	Synchronization instruction error: When restarted by PSTART, synchronization instruction status of the sub task under interruption was different from the status to restart.	Setting error	1. Reset the alarm. 2. Check the following settings. • The job to be started • The execution timing for start command
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
6	Stopped by an alarm: An attempt was made to start the sub task which is stopped by an alarm.	Setting error	Check the following settings. • Alarm occurrence status
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4103: PARALLEL START INSTRUCTION ERROR (continued)

Sub Code	Meaning	Cause	Remedy
7	Synchronization task specification of SYNC instruction omit error	Setting error	1. Reset the alarm. 2. Check the following setting. • Synchronization task specification of SYNC instruction
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8	The task is specified by synchronization task of SYNC instruction.	Setting error	1. Reset the alarm. 2. Check the following setting. • Synchronization task specification of SYNC instruction It is not possible to set the same task to the SYNC as the sub task of PSTART instruction.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
9	I/O jog being executed	Setting error	1. Reset the alarm. 2. Check the following setting. • I/O jog executing status Complete the I/O jog execution, and then restart.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
10	Separate group axis being used	Setting error	1. Reset the alarm. 2. Check the following settings. • Usage status of separation use axis Complete the use of separation use axis, and then restart.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
11	The servo power supply is OFF.	Setting error	1. Reset the alarm. 2. Check the following setting. • Servo power Turn ON servo power.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
12	Twin synchronous task ID error	Setting error	1. Reset the alarm. 2. Check the following setting. • Twin synchronous task specification of SYNC instruction
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
16	PSTART instruction is the old specification.	Setting error	1. Reset the alarm. 2. Check the following settings. • The specifications of PSTART instruction Register the PSTART instruction as new specification.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4103: PARALLEL START INSTRUCTION ERROR (continued)

Sub Code	Meaning	Cause	Remedy
17	PWAIT instruction is the old specification.	Setting error	1. Reset the alarm. 2. Check the following settings. • The specifications of PWAIT instruction Register the PWAIT instruction as new specification.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
18	Sub task to be set PSTART has been already executed.	Setting error	1. Reset the alarm. 2. Check the following settings. • The subtask is completed by the PWAIT instruction. • The execution timing for start command
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
19	An attempt was made to start up the control group where IO speed control is activated by a job.	Setting error	1. Reset the alarm. 2. Check the status of IOSPDCTRL operation setting. The control group of which setting status is "VALID" cannot be started up by a job. 3. Modify the job so as not to start up the control group in which IO speed control is activated.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
20	MotoPlus is operating	Setting error	1. Reset the alarm. 2. Check the following setting. • MotoPlus operating status Complete the MotoPlus operation, and then restart.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4104: WRONG EXECUTION OF LOAD INST

An error occurred when an instruction was executed by the data transmission DCI function.

Sub Code	Meaning	Cause	Remedy
	Sub Code1 to 245: Signifies the data transmission error.	Setting error	1. Reset the alarm. 2. Refer to the instruction manual for Data Transmission Function for details.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4105: WRONG EXECUTION OF SAVE INST

An error occurred when an instruction was executed by the data transmission DCI function.

Sub Code	Meaning	Cause	Remedy
	Sub Code1 to 245: Signifies the data transmission error.	Setting error	1. Reset the alarm. 2. Refer to the instruction manual for Data Transmission Function for details.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4106: WRONG EXECUTION OF DELETE INST

An error occurred when an instruction was executed by the data transmission DCI function.

Sub Code	Meaning	Cause	Remedy
	Sub Code1 to 245: Signifies the data transmission error.	Setting error	1. Reset the alarm. 2. Refer to the instruction manual for Data Transmission Function for details.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4107: OUT OF RANGE(ABSO DATA)

The position difference between when the power was turned OFF and when the power was turned ON again exceeded the tolerance for the manipulator or a station.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred	Setting error	1. Reset the alarm. 2. Check the following settings. • Move the manipulator or station to the zero position by the axis operation and check the home position alignment marks (the arrow).
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4109: DC 24V POWER SUPPLY FAILURE(I/O)

24V power for I/Os is not supplied.

Sub Code	Meaning	Cause	Remedy
	0000_0000_0000_0001: Detector circuit error. 0000_0000_0000_0010: Fuse blown (ASF30 board) 0000_0000_0000_0011: External 24V power supply error.	Voltage error	1. Reset the alarm. 2. If the alarm occurs again, Check the 24V external power supply. If abnormal, replace the 24V external power supply.
		ASF30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Short circuit or ground fault	1. Reset the alarm. 2. If the alarm occurs again, check the connection and inserting state of the following cables and connectors. Check the insertion, connection, Short circuit or ground fault of the followings. • YFC24-CN219(81,82,92,93 : +24V2U3) • YFC24-CN219(83,84,94,95 : 024V2) • AIO-CN306,CN307,CN308,CN309
		Connection failure	1. Reset the alarm. 2. If the alarm occurs again, check the connection and inserting state of the following cables and connectors. Check the insertion and connection of the followings. • Connection of GP I/O of ASF30 board • Fuse (blown) of ASF30 board • The communications cable for the I/O module
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4110: SHOCK SENSOR ACTION

This alarm occurs if the shock sensor signal is detected.

Sub Code	Meaning	Cause	Remedy
		Shock sensor activated	Shock sensor is activated. Select "OVERRUN&SHOCK SENSOR" under sub menu "ROBOT" to reset the sensor. After that, perform avoidance movement by jog operation.
		Fuse failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Connection failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.

4110: SHOCK SENSOR ACTION (continued)

Sub Code	Meaning	Cause	Remedy
		ACP31 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4112: DATA SENDING ERROR

A sending error occurred during data transmission.

Sub Code	Meaning	Cause	Remedy
1	Retry over of NAK	Communication error	1. Reset the alarm. 2. If the alarm occurs again, check the communication setting and communication wiring is correct.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	Retry over for timeout in timer A	Communication error	1. Reset the alarm. 2. If the alarm occurs again, check the communication setting and communication wiring is correct.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	Retry over for mutual response error	Communication error	1. Reset the alarm. 2. If the alarm occurs again, check the communication setting and communication wiring is correct.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4113: DATA RECEIVING ERROR

A receiving error occurred during data transmission.

Sub Code	Meaning	Cause	Remedy
1	Reception timeout (timer A)	Communication error	1. Reset the alarm. 2. If the alarm occurs again, check the communication setting and communication wiring is correct.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	Reception timeout (timer B)	Communication error	1. Reset the alarm. 2. If the alarm occurs again, check the communication setting and communication wiring is correct.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4113: DATA RECEIVING ERROR (continued)

Sub Code	Meaning	Cause	Remedy
3	Heading length is too short.	Setting error	1. Reset the alarm. 2. If the alarm occurs again, send EOT code to release the data link and then check that the sending side data is correctly set. 3. Check that the communication setting is correct.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	Heading length is too long.	Setting error	1. Reset the alarm. 2. If the alarm occurs again, send EOT code to release the data link and then check that the sending side data is correctly set. 3. Check that the communication setting is correct.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
5	The header No. error	Setting error	1. Reset the alarm. 2. If the alarm occurs again, send EOT code to release the data link and then check that the sending side data is correctly set. 3. Check that the communication setting is correct.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
6	The text length exceeded 256 characters.	Setting error	1. Reset the alarm. 2. If the alarm occurs again, send EOT code to release the data link and then check that the sending side data is correctly set. 3. Check that the communication setting is correct.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7	Illegal data received	Setting error	1. Reset the alarm. 2. If the alarm occurs again, send EOT code to release the data link and then check that the sending side data is correctly set. 3. Check that the communication setting is correct.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4114: TRANSMISSION HARDWARE ERROR

An error occurred during data transmission.

Sub Code	Meaning	Cause	Remedy
1	Overrun error	Communication error	1. Reset the alarm. 2. If the alarm occurs again, check the communication setting and communication wiring is correct.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	Parity error	Communication error	1. Reset the alarm. 2. If the alarm occurs again, check the communication setting and communication wiring is correct.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	Framing error	Communication error	1. Reset the alarm. 2. If the alarm occurs again, check the communication setting and communication wiring is correct.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	Transmission timeout (timer A)	Communication error	1. Reset the alarm. 2. If the alarm occurs again, check the communication setting and communication wiring is correct.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
5	Transmission timeout (timer B)	Communication error	1. Reset the alarm. 2. If the alarm occurs again, check the communication setting and communication wiring is correct.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4115: TRANSMISSION SYSTEM BLOCK

An error occurred during data transmission. (This alarm occurs when received data cause inconsistency on the system although the transmission protocol is correct. Mainly, this alarm occurs due to an illegal transmission or erroneous report at the data sending side.)

Sub Code	Meaning	Cause	Remedy
1	Received EOT while waiting ACK.	Communication error	1. Reset the alarm. 2. If the alarm occurs again, check the setting of communication or transmission side data is correctly set.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	Received EOT while waiting ENQ.	Communication error	1. Reset the alarm. 2. If the alarm occurs again, check the setting of communication or transmission side data is correctly set.

4115: TRANSMISSION SYSTEM BLOCK (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	Received EOT before last block reception.	Communication error	1. Reset the alarm. 2. If the alarm occurs again, check the setting of communication or transmission side data is correctly set.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	Received codes other than EOT after last block reception.	Communication error	1. Reset the alarm. 2. If the alarm occurs again, check the setting of communication or transmission side data is correctly set.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4116: TRANSMISSION SYSTEM ERROR

An error occurred in data transmission.

Sub Code	Meaning	Cause	Remedy
1	Transmission data contents error	Communication error	1. Reset the alarm. 2. If the alarm occurs again, check the setting of communication or transmission side data is correctly set.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
100	Trans error or protocol error	Communication error	1. Reset the alarm. 2. If the alarm occurs again, check the setting of communication or transmission side data is correctly set.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4117: BRAKE POWER ERROR

Brake power supply unit(SDCA)has been blown.

Sub Code	Meaning	Cause	Remedy
1	The CBB01 board # 1generates an alarm.	Connection failure	1. Reset the alarm. 2. If the alarm occurs again, check the brake connection if there is a ground fault or short circuit.
		Fuse failure	1. Reset the alarm. 2. If the alarm occurs again, check the brake connection and then replace the fuse.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4117: BRAKE POWER ERROR (continued)

Sub Code	Meaning	Cause	Remedy
2	The CBB01 board # 2 generates an alarm.	Connection failure	1. Reset the alarm. 2. If the alarm occurs again, check the brake connection if there is a ground fault or short circuit.
		Fuse failure	1. Reset the alarm. 2. If the alarm occurs again, check the brake connection and then replace the fuse.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	The CBB01 board # 3 generates an alarm.	Connection failure	1. Reset the alarm. 2. If the alarm occurs again, check the brake connection if there is a ground fault or short circuit.
		Fuse failure	1. Reset the alarm. 2. If the alarm occurs again, check the brake connection and then replace the fuse.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	The CBB01 board # 4 generates an alarm.	Connection failure	1. Reset the alarm. 2. If the alarm occurs again, check the brake connection if there is a ground fault or short circuit.
		Fuse failure	1. Reset the alarm. 2. If the alarm occurs again, check the brake connection and then replace the fuse.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
5	The CBB01 board # 5 generates an alarm.	Connection failure	1. Reset the alarm. 2. If the alarm occurs again, check the brake connection if there is a ground fault or short circuit.
		Fuse failure	1. Reset the alarm. 2. If the alarm occurs again, check the brake connection and then replace the fuse.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
6	The CBB01 board # 6generates an alarm.	Connection failure	1. Reset the alarm. 2. If the alarm occurs again, check the brake connection if there is a ground fault or short circuit.
		Fuse failure	1. Reset the alarm. 2. If the alarm occurs again, check the brake connection and then replace the fuse.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7	The CBB01 board # 7generates an alarm.	Connection failure	1. Reset the alarm. 2. If the alarm occurs again, check the brake connection if there is a ground fault or short circuit.

4117: BRAKE POWER ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		Fuse failure	1. Reset the alarm. 2. If the alarm occurs again, check the brake connection and then replace the fuse.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8	The CBB01 board # 8generates an alarm.	Connection failure	1. Reset the alarm. 2. If the alarm occurs again, check the brake connection if there is a ground fault or short circuit.
		Fuse failure	1. Reset the alarm. 2. If the alarm occurs again, check the brake connection and then replace the fuse.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4118: FAN CIRCUIT PROTECTOR TRIPPED

The circuit protector of the in-panel cooling fan is tripped or turned OFF.
(This alarm will be displayed one minutes after detection.)

Sub Code	Meaning	Cause	Remedy
1	The CBB01 board # 1generates an alarm.	Connection failure	1. Reset the alarm. 2. If the alarm occurs again, check fan power line if there is a ground fault or short circuit.
		Setting error	1. Reset the alarm. 2. Check the following settings. • (After cancellation of the short-circuit and ground fault) Turn ON the circuit protector.
		Cooling fan failure	1. Reset the alarm. 2. Replace the in-panel cooling fan. Check the connection between manipulator and servo board. * Move the manipulator to safety place in teach mode.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	The CBB01 board # 2 generates an alarm.	Connection failure	1. Reset the alarm. 2. If the alarm occurs again, check fan power line if there is a ground fault or short circuit.
		Setting error	1. Reset the alarm. 2. Check the following settings. • (After cancellation of the short-circuit and ground fault) Turn ON the circuit protector.
		Cooling fan failure	1. Reset the alarm. 2. Replace the in-panel cooling fan. Check the connection between manipulator and servo board. * Move the manipulator to safety place in teach mode.

4118: FAN CIRCUIT PROTECTOR TRIPPED (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	The CBB01 board # 3 generates an alarm.	Connection failure	1. Reset the alarm. 2. If the alarm occurs again, check fan power line if there is a ground fault or short circuit.
		Setting error	1. Reset the alarm. 2. Check the following settings. • (After cancellation of the short-circuit and ground fault) Turn ON the circuit protector.
		Cooling fan failure	1. Reset the alarm. 2. Replace the in-panel cooling fan. Check the connection between manipulator and servo board. * Move the manipulator to safety place in teach mode.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	The CBB01 board # 4 generates an alarm.	Connection failure	1. Reset the alarm. 2. If the alarm occurs again, check fan power line if there is a ground fault or short circuit.
		Setting error	1. Reset the alarm. 2. Check the following settings. • (After cancellation of the short-circuit and ground fault) Turn ON the circuit protector.
		Cooling fan failure	1. Reset the alarm. 2. Replace the in-panel cooling fan. Check the connection between manipulator and servo board. * Move the manipulator to safety place in teach mode.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
5	The CBB01 board # 5 generates an alarm.	Connection failure	1. Reset the alarm. 2. If the alarm occurs again, check fan power line if there is a ground fault or short circuit.
		Setting error	1. Reset the alarm. 2. Check the following settings. • (After cancellation of the short-circuit and ground fault) Turn ON the circuit protector.
		Cooling fan failure	1. Reset the alarm. 2. Replace the in-panel cooling fan. Check the connection between manipulator and servo board. * Move the manipulator to safety place in teach mode.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
6	The CBB01 board # 6 generates an alarm.	Connection failure	1. Reset the alarm. 2. If the alarm occurs again, check fan power line if there is a ground fault or short circuit.

4118: FAN CIRCUIT PROTECTOR TRIPPED (continued)

Sub Code	Meaning	Cause	Remedy
		Setting error	1. Reset the alarm. 2. Check the following settings. • (After cancellation of the short-circuit and ground fault) Turn ON the circuit protector.
		Cooling fan failure	1. Reset the alarm. 2. Replace the in-panel cooling fan. Check the connection between manipulator and servo board. * Move the manipulator to safety place in teach mode.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7	The CBB01 board # 7 generates an alarm.	Connection failure	1. Reset the alarm. 2. If the alarm occurs again, check fan power line if there is a ground fault or short circuit.
		Setting error	1. Reset the alarm. 2. Check the following settings. • (After cancellation of the short-circuit and ground fault) Turn ON the circuit protector.
		Cooling fan failure	1. Reset the alarm. 2. Replace the in-panel cooling fan. Check the connection between manipulator and servo board. * Move the manipulator to safety place in teach mode.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8	The CBB01 board # 8 generates an alarm.	Connection failure	1. Reset the alarm. 2. If the alarm occurs again, check fan power line if there is a ground fault or short circuit.
		Setting error	1. Reset the alarm. 2. Check the following settings. • (After cancellation of the short-circuit and ground fault) Turn ON the circuit protector.
		Cooling fan failure	1. Reset the alarm. 2. Replace the in-panel cooling fan. Check the connection between manipulator and servo board. * Move the manipulator to safety place in teach mode.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4119: FAN ERROR(IN CONTROL BOX)

The rotation speed of the cooling fan 1 with alarm sensor connected to the CPS01KA unit decreased.

Sub Code	Meaning	Cause	Remedy
	Sub Code 1 to 8: Signifies the CPS01AA board No. in which the alarm occurred	Cooling fan failure	Replace the CPS01AA unit.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4121: COOLING FAN1 ERROR

The rotation speed of the cooling fan 1 with alarm sensor connected to the contactor unit decreased.

Sub Code	Meaning	Cause	Remedy
	Sub Code 1to 8: Signifies the CBB01 board No. in which the alarm occurred	Cooling fan failure	1. Reset the alarm. 2. Replace the cooling fan of manipulator. Check the wiring from a manipulator to a servo board. * Move the manipulator to the safe position in the teach mode.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4122: COOLING FAN2 ERROR

The rotation speed of the cooling fan 2 with alarm sensor connected to the contactor unit decreased.

Sub Code	Meaning	Cause	Remedy
	Sub Code 1to 8: Signifies the CBB01 board No. in which the alarm occurred	Cooling fan failure	1. Reset the alarm. 2. Replace the cooling fan of manipulator. Check the wiring from a manipulator to a servo board. * Move the manipulator to the safe position in the teach mode.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4123: COOLING FAN3 ERROR

The rotation speed of the cooling fan 3 with alarm sensor connected to the contactor unit decreased.

Sub Code	Meaning	Cause	Remedy
	Sub Code 1to 8: Signifies the CBB01 board No. in which the alarm occurred	Cooling fan failure	Replace the cooling fan of manipulator. Check the wiring from a manipulator to a servo board. * Move the manipulator to the safe position in the teach mode.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4124: WRONG EXECUTION OF VISION INST

Sub Code	Meaning	Cause	Remedy
1	The specified file number is incorrect.	Setting error	1. Reset the alarm. 2. Check the following settings. • File No. Specify the correct file number.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	The specified file set value is incorrect.	Setting error	1. Reset the alarm. 2. Check the following settings. • File set value Specify the set value.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	Calibration could not be executed.	Setting error	1. Reset the alarm. 2. Check the following settings. • The robot coordinate data or the pixel coordinate data used for the calibration • The user variable number in the calibration file Set the robot coordinate data and the pixel coordinate data used for the calibration to the user variable. Correctly set the user variable number in the calibration file.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	The communication port for the vision system could not be initialized.	Setting error	1. Reset the alarm. 2. Check the following settings. • The Parameter for vision communication port. 3. Set the correct parameters for the communication port.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
5	Time-out occurred during data transmission.	Setting error	1. Reset the alarm. 2. Check the following settings. • The communication setting of vision system
		Connection failure	1. Reset the alarm. 2. If the alarm occurs again, check the connection of the following cables. • Cable between vision system and YRC1000micro system
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
6	Time-out occurred during data reception.	Setting error	1. Reset the alarm. 2. Check the following settings. • The communication setting of vision system

4124: WRONG EXECUTION OF VISION INST (continued)

Sub Code	Meaning	Cause	Remedy
		Connection failure	1. Reset the alarm. 2. If the alarm occurs again, check the connection of the following cables. • Cable between vision system and YRC1000micro system
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7	The data received from the vision system is incorrect.	Setting error	1. Reset the alarm. 2. Check the following settings. • The communication setting of vision system • The detection setting of vision system
		Connection failure	1. Reset the alarm. 2. If the alarm occurs again, check the connection of the following cables. • Cable between vision system and YRC1000micro system
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8	The pixel coordinates value was not able to be converted into the robot coordinates.	Setting error	1. Reset the alarm. 2. Check the following settings. • The communication setting of vision system • Calibration file for use
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
9	Failed to read or write the position type variable (P variable).	Setting error	1. Reset the alarm. 2. Check the following settings. • Usage status of the specified position type variable Don't use the specified positional type variable at the same time in other jobs.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
10	Use memory is lacking and the area could not be obtained.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
11	The setting value of measurement item (FT) is incorrect.	Setting error	1. Reset the alarm. 2. Correct the setting value of a measurement item.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4124: WRONG EXECUTION OF VISION INST (continued)

Sub Code	Meaning	Cause	Remedy
12	The data for the vision execution command is incorrect.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
48	The number of waiting commands sent by Vision sensor exceeded the limit.	Software operation error occurred	1. Reset the alarm, and then try again. 2. Check the command sent by Vision sensor 3. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4126: CANNOT EXECUTE AUTO PMT

An error occurred when execution of auto PMT.

Sub Code	Meaning	Cause	Remedy
1	System error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	PBOX cannot be edited.	Setting error	1. Reset the alarm. 2. Check the following setting. • I/O status of the edit prohibit signal The edit prohibit signal cannot input.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	The source job cannot be edited.	Setting error	1. Reset the alarm. 2. Check the following setting. • The prohibit status of source job If the source job is protected from editing, it cannot be edited.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	The converted job cannot be edited.	Setting error	1. Reset the alarm. 2. Check the following settings. • The prohibit status of converted job If the converted job is protected from editing, it cannot be edited.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4126: CANNOT EXECUTE AUTO PMT (continued)

Sub Code	Meaning	Cause	Remedy
5	The memory area for job area is insufficient.	Software operation error occurred	1. Reset the alarm. 2. If the error occurs again, delete unused jobs. 3. If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file. In that case, delete the unused jobs. 4. If the error occurs again though the previous measures were executed, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
6	The source job is not exist.	Setting error	Check the following settings. • Presence of the specified source job The job which does not exist cannot be set to the source job.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7	The memory area for position data of the job is insufficient.	Software operation error occurred	1. Reset the alarm. 2. when the error occurs again, if there is an unnecessary teaching position, delete it. 3. If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file. In that case, delete the unused jobs. 4. If the error occurs again though the previous measures were executed, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8	The job under execution is specified as the conversion job.	Setting error	1. Reset the alarm. 2. Check the following settings. • Execution status of the source job • Execution status of the converted job The job under execution is specified for the source / converted job. Execute conversion operation after ending the job execution.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4129: TWIN DRIVE OUT OF RANGE(START)

When the twin drive started, the error value of the pulse between the master-axes and the slave-axes exceeded the allowable range.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Corresponding master-axes and slave-axes are displayed by the bit.	Setting error	1. Reset the alarm. 2. Check the following settings. • Pulse error of the master-axes and the slave-axes Switch to independent movement mode so that the pulse error of the master-axes and the slave-axes is settled within allowable range.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4130: NETWORK APPLICATION PROCESS ERROR

An error occurred when the Ethernet function was used.

Sub Code	Meaning	Cause	Remedy
1	An error occurred when the notification of the APP task re-initialization was processed in the Ethernet function.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
2	An error occurred when the re-initialization response was received in the Ethernet function.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
3	The incomplete task of re-initialization was unsuccessfully completed in the Ethernet function.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
4	An error occurred when the semaphore for re-initialization was received in the Ethernet function.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
5	An error occurred when the re-initialization mail was sent in the Ethernet function.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4130: NETWORK APPLICATION PROCESS ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
6	An error occurred in the exclusive process of the storage area control table of the Ethernet function.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
7	Time-out occurred in the re-initialization response receiving process of the Ethernet function.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
8	An error occurred in the re-initialization response receiving process of the Ethernet function.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
9	Receiving data size error occurred in the re-initialization response receiving process of the Ethernet function.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
30	An error occurred in the Web server task mail receiving process of the Ethernet function.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
31	An error occurred in the FTP server task mail receiving process of the Ethernet function.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
32	An error occurred in the FTP client task mail receiving process of the Ethernet function.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4130: NETWORK APPLICATION PROCESS ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
40	Illegal e-mail data were received in the Web server task of the Ethernet function.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
41	Illegal e-mail data were received in the FTP server task of the Ethernet function.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
42	Illegal e-mail data were received in the FTP client task of the Ethernet function.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
50	An error occurred in the data size written to PCI of the Ethernet function.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
51	An error occurred when the request to write PCI data was received in the Ethernet function.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
52	The request of the undefined transmission was received in the Ethernet function.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
53	An error occurred in the transmission request of the Ethernet function.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4130: NETWORK APPLICATION PROCESS ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
54	The transmission request without data was received in the Ethernet function.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
55	The transmission request of illegal data length was received in the Ethernet function.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
60	Illegal mail data ware received in the DNS task of the Ethernet function.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
61	Illegal mail data was transmitted in the DNS task of the Ethernet function.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
100	An error occurred in storing process of memory which is used in the Ethernet function.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
101	An error occurred in the buffer for request to write PCI getting process of the Ethernet function.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
200	The socket of the Ethernet function was full and was not able to create a socket.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4130: NETWORK APPLICATION PROCESS ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
201	An error occurred in the semaphore of socket control table of the Ethernet function.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.

◆ 4131: UDP PROCESS ERROR

An error occurred in the UDP process of the Ethernet function.

Sub Code	Meaning	Cause	Remedy
1	An error occurred in the creation of receiving socket during the UDP process of the Ethernet function.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
2	An error occurred in the creation of transmission socket during the UDP process of the Ethernet function.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
3	Illegal data were received in the UDP process of the Ethernet function.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
4	Transmission error occurred in the UDP process of the Ethernet function.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
5	The SELECT operation was not successfully completed in the UDP process of the Ethernet function.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4131: UDP PROCESS ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
10	The communication error was occurred in the UDP process of the WAIT ROBOT function.	Setting error	1. Reset the alarm. 2. Check the network setting for the robot controller.
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
100	The re-initialization notification of illegal data length was received in the UDP process of the Ethernet function.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
101	The re-initialization notification of illegal data was received in the UDP process of the Ethernet function.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
102	The PCI write process was not successfully completed in the UDP process of the Ethernet function.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
103	The transmission request of illegal data length was received in the UDP process of the Ethernet function.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
104	The transmission request of illegal data was received in the UDP process of the Ethernet function.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.

◆ 4132: TCP PROCESS ERROR

An error occurred in the TCP process of the Ethernet function.

Sub Code	Meaning	Cause	Remedy
1	The socket table was not successfully created in the TCP process of the Ethernet function.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
2	An error occurred in the process of the TCP server initialization of the Ethernet function.	Setting error	1. Make sure that there is no communication device with the same IP address in the network. 2. If DHCP is enabled, make sure that the correct IP address is leased from the DHCP server.
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
3	An error occurred in connection detecting process of TCP server of the Ethernet function.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
4	An error occurred in the connection detection checking process of TCP server of the Ethernet function.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.

◆ 4134: COOLING FAN SET ABNORMAL

Cooling fan setting parameter disabled

Sub Code	Meaning	Cause	Remedy
0		Setting error	1. Reset the alarm. 2. Check the following settings. • Confirm parameter SVS and S2C for the cooling fan. • Open the front panel to refer to the parameter list on the back.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4135: TOYOPUC RUN STOP

TOYOPUC is in stopped state.

Sub Code	Meaning	Cause	Remedy
0		Setting error	1. Reset the alarm. 2. Check the following settings. • Use the PCwin, etc. to run the TOYOPUC.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4136: TOYOPUC MAJOR ERROR

An error occurred in the PCI bus communication processing of the TOYOPUC.

Sub Code	Meaning	Cause	Remedy
0	The PCI bus state of the TOYOPUC turns to "ER".	Setting error	1. Reset the alarm. 2. Check the following settings. • OFF/ON status of the remote • OFF/ON status of the power supply Turn OFF and back ON the remote or power supply.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4137: WRONG EXECUTION OF SETUALM INST

An error occurred at SETUALM instruction execution.

Sub Code	Meaning	Cause	Remedy
1	Alarm code specification error	Setting error	1. Reset the alarm. 2. Check the following settings. • Alarm code Specify the alarm in the range 8000 to 8999.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	Task specification error	Setting error	1. Reset the alarm. 2. Check the following settings. • Task specification Specify the task in the range 0 to 15.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	Motion mode specification error	Setting error	1. Reset the alarm. 2. Check the following settings. • Motion mode specification Set the motion mode to 0 or 1.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4137: WRONG EXECUTION OF SETUALM INST (continued)

Sub Code	Meaning	Cause	Remedy
4	Alarm num error	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4138: WRONG EXECUTION OF SVON INST

An error occurred at SVON instruction execution.

Sub Code	Meaning	Cause	Remedy
		Connection failure	1. Reset the alarm. 2. Check the following settings. • Short-circuit the external servo ON (EXSVON) of MXT terminal block.
		Setting error	1. Reset the alarm. 2. Check the following settings. • The concurrent I/O signal #80031 (servo ON condition1) ON • The concurrent I/O signal #80033 (servo ON condition2) ON
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4139: WRONG EXECUTION OF PRINT INST

An error occurred at PRINT instruction execution.

Sub Code	Meaning	Cause	Remedy
		Setting error	1. Reset the alarm. 2. Check the following settings. • The setting of the PRINT output conversion spec (character string specification) If there is no problem in the setting, delete the corresponding PRINT instruction and register again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4140: WRONG EXECUTION OF DIALOG INST

An error occurred at DIALOG instruction execution.

Sub Code	Meaning	Cause	Remedy
1	DIALOG instruction control error	Setting error	1. Reset the alarm. 2. Check the following settings. • The tag setting of DIALOG instruction If no fault is found, delete corresponding DIALOG instruction, and then register again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	Messages and buttons are not registered.	Setting error	1. Reset the alarm. 2. Check the following settings. • The information of DIALOG instruction message and button
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	Buttons are not registered.	Setting error	1. Reset the alarm. 2. Check the following settings. • The information of DIALOG instruction button
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4141: SNTP ERROR

An error occurred in the SNTP process of the Ethernet function.

Sub Code	Meaning	Cause	Remedy
1	The error on setting of time difference value occurred in the SNTP process of the Ethernet function.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
2	The error on setting of time-out value occurred in the SNTP process of the Ethernet function.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
3	The error on setting of reference interval value occurred in the SNTP process of the Ethernet function.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.

4141: SNTP ERROR (continued)

Sub Code	Meaning	Cause	Remedy
4	The IP address error occurred in the SNTP process of the Ethernet function.	Setting error	Check the following settings. • The IP address of the SNTP server • The DHCP server operation (If the DHCP is used) • The network status (If the DHCP is used)
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
5	Time-out occurred in the SNTP process of the Ethernet function.	Setting error	Check the following settings. • The SNTP server operation • The network status
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
6	The server time is not synchronized in the SNTP process of the Ethernet function.	Setting error	Check the following settings. • The SNTP server operation • The network status
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7	The SNTP process of the Ethernet function is not compliant with the version that the server sent.	Setting error	Use the server compliant with the SNTP version 3.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8	Illegal parameters were found in the SNTP process of the Ethernet function.	Setting error	Check the following settings. • SNTP setting
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
9	The SNTP process of the Ethernet function was not successfully completed.	Setting error	Check the following settings. • SNTP setting

4141: SNTP ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
10	The name resolution error occurred in the SNTP process of the Ethernet function.	Setting error	Check the following settings. • The IP address of the SNTP server • The DHCP server operation *If the DHCP is used • The network status *If the DHCP is used
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
11	The error on getting of server address occurred in the SNTP process of the Ethernet function.	Setting error	Check the following settings. • The DHCP server operation • The network status
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
12	The server setting is incorrect in the SNTP process of the Ethernet function (for future use).	Setting error	Check the following settings. • SNTP setting
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4145: RELAY NO. ERROR(LADDER PROGRAM)

The relay number which was detected in the ladder program was out of range.

Sub Code	Meaning	Cause	Remedy
0	There is invalid relay number in the SYSTEM LADDER.	Setting error	Save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1	There is invalid relay number in the USER LADDER.	Setting error	Set the security to management mode and compile the ladder program. If any error occurs, modify the invalid relay number to complete the compiling. Valid range General Input:00010 to 05127 General Output:10010 to 15127 External Input:20010 to25127 External Output:30010 to 35127 Specific Input:40010 to 41607 Specific Output:50010 to 53007 I/F Panel Input:60010 to 60647 Auxiliary Relay:70010 to 79997 Control Input:80010 to 85127 Pseudo Input:87010 to 87207 Network Input:27010 to 29567 Network output:37010 to 39567
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4146: ENCDR PWR CIRCUIT PROTECTOR TRIP

An error was detected in the encoder power circuit protector.

Sub Code	Meaning	Cause	Remedy
1	Sub Code 1to 8: Signifies the CBB01 board No. in which the alarm occurred	Incorrect setting	Check the following settings. • Turn ON the circuit protector.
		Short circuit or ground fault	1. Turn the power OFF then back ON. 2. If the alarm occurs again even after turning ON the circuit protector, check encoder power line if there is a ground fault or short circuit.
		Unit failure	Replace the motor or encoder to which the power is supplied.
		Parts failure	Replace the circuit protector.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	Sub Code 1to 8: Signifies the CBB01 board No. in which the alarm occurred	Incorrect setting	Check the following settings. • Turn ON the circuit protector.
		Short circuit or ground fault	1. Turn the power OFF then back ON. 2. If the alarm occurs again even after turning ON the circuit protector, check encoder power line if there is a ground fault or short circuit.
		Unit failure	Replace the motor or encoder to which the power is supplied.
		Parts failure	Replace the circuit protector.

4146: ENCDR PWR CIRCUIT PROTECTOR TRIP (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	Sub Code 1to 8: Signifies the CBB01 board No. in which the alarm occurred	Incorrect setting	Check the following settings. • Turn ON the circuit protector.
		Short circuit or ground fault	1. Turn the power OFF then back ON. 2. If the alarm occurs again even after turning ON the circuit protector, check encoder power line if there is a ground fault or short circuit.
		Unit failure	Replace the motor or encoder to which the power is supplied.
		Parts failure	Replace the circuit protector.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	Sub Code 1to 8: Signifies the CBB01 board No. in which the alarm occurred	Incorrect setting	Check the following settings. • Turn ON the circuit protector.
		Short circuit or ground fault	1. Turn the power OFF then back ON. 2. If the alarm occurs again even after turning ON the circuit protector, check encoder power line if there is a ground fault or short circuit.
		Unit failure	Replace the motor or encoder to which the power is supplied.
		Parts failure	Replace the circuit protector.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
5	Sub Code 1to 8: Signifies the CBB01 board No. in which the alarm occurred	Incorrect setting	Check the following settings. • Turn ON the circuit protector.
		Short circuit or ground fault	1. Turn the power OFF then back ON. 2. If the alarm occurs again even after turning ON the circuit protector, check encoder power line if there is a ground fault or short circuit.
		Unit failure	Replace the motor or encoder to which the power is supplied.
		Parts failure	Replace the circuit protector.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
6	Sub Code 1to 8: Signifies the CBB01 board No. in which the alarm occurred	Incorrect setting	Check the following settings. • Turn ON the circuit protector.
		Short circuit or ground fault	1. Turn the power OFF then back ON. 2. If the alarm occurs again even after turning ON the circuit protector, check encoder power line if there is a ground fault or short circuit.
		Unit failure	Replace the motor or encoder to which the power is supplied.
		Parts failure	Replace the circuit protector.

4146: ENCDR PWR CIRCUIT PROTECTOR TRIP (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7	Sub Code 1to 8: Signifies the CBB01 board No. in which the alarm occurred	Incorrect setting	Check the following settings. • Turn ON the circuit protector.
		Short circuit or ground fault	1. Turn the power OFF then back ON. 2. If the alarm occurs again even after turning ON the circuit protector, check encoder power line if there is a ground fault or short circuit.
		Unit failure	Replace the motor or encoder to which the power is supplied.
		Parts failure	Replace the circuit protector.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8	Sub Code 1to 8: Signifies the CBB01 board No. in which the alarm occurred	Incorrect setting	Check the following settings. • Turn ON the circuit protector.
		Short circuit or ground fault	1. Turn the power OFF then back ON. 2. If the alarm occurs again even after turning ON the circuit protector, check encoder power line if there is a ground fault or short circuit.
		Unit failure	Replace the motor or encoder to which the power is supplied.
		Parts failure	Replace the circuit protector.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4147: USER COORD EDIT ERROR

An error occurred during the editing operation of the user coordinates file.

Sub Code	Meaning	Cause	Remedy
		Data error	1. Reset the alarm. 2. If the alarm occurs again, initialize the user coordinates file in maintenance mode, and then load the user coordinates file saved in the external memory device.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4152: TIMING BELT BLOWN

The timing belt of manipulator is blown.

Sub Code	Meaning	Cause	Remedy
1	The CBB01 board # 1 generates an alarm.	Manipulator timing belt is blown.	Move the manipulator in teach mode to the position where there is no torque on the driving belt. 1. Check the timing belt tension. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	The CBB01 board # 2 generates an alarm.	Manipulator timing belt is blown.	Move the manipulator in teach mode to the position where there is no torque on the driving belt. 1. Check the timing belt tension. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	The CBB01 board # 3 generates an alarm.	Manipulator timing belt is blown.	Move the manipulator in teach mode to the position where there is no torque on the driving belt. 1. Check the timing belt tension. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	The CBB01 board # 4 generates an alarm.	Manipulator timing belt is blown.	Move the manipulator in teach mode to the position where there is no torque on the driving belt. 1. Check the timing belt tension. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
5	The CBB01 board # 5 generates an alarm.	Manipulator timing belt is blown.	Move the manipulator in teach mode to the position where there is no torque on the driving belt. 1. Check the timing belt tension. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
6	The CBB01 board # 6 generates an alarm.	Manipulator timing belt is blown.	Move the manipulator in teach mode to the position where there is no torque on the driving belt. 1. Check the timing belt tension. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4152: TIMING BELT BLOWN (continued)

Sub Code	Meaning	Cause	Remedy
7	The CBB01 board # 7 generates an alarm.	Manipulator timing belt is blown.	Move the manipulator in teach mode to the position where there is no torque on the driving belt. 1. Check the timing belt tension. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8	The CBB01 board # 8 generates an alarm.	Manipulator timing belt is blown.	Move the manipulator in teach mode to the position where there is no torque on the driving belt. 1. Check the timing belt tension. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4153: COOLING UNIT ERROR

An error was detected in the cooling unit.

Sub Code	Meaning	Cause	Remedy
1	The CBB01 board # 1 generates an alarm.	Unit failure	Refer to the instruction manuals for the cooling unit in use.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	The CBB01 board # 2 generates an alarm.	Unit failure	Refer to the instruction manuals for the cooling unit in use.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	The CBB01 board # 3 generates an alarm.	Unit failure	Refer to the instruction manuals for the cooling unit in use.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	The CBB01 board # 4 generates an alarm.	Unit failure	Refer to the instruction manuals for the cooling unit in use.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
5	The CBB01 board # 5 generates an alarm.	Unit failure	Refer to the instruction manuals for the cooling unit in use.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
6	The CBB01 board # 6 generates an alarm.	Unit failure	Refer to the instruction manuals for the cooling unit in use.

4153: COOLING UNIT ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7	The CBB01 board # 7 generates an alarm.	Unit failure	Refer to the instruction manuals for the cooling unit in use.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8	The CBB01 board # 8 generates an alarm.	Unit failure	Refer to the instruction manuals for the cooling unit in use.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4154: COOLING FAN ERROR (DOOR)

An error occurred in the cooling fan on the front door.

Sub Code	Meaning	Cause	Remedy
1	The CBB01 board # 1 generates an alarm.	Connection failure	1. Reset the alarm. 2. Check the connection and insertion of the cable and connector for the cooling fan.
		Power voltage drop	1. Reset the alarm. 2. Check if the primary power voltage is normal.
		Dirt	1. Reset the alarm. 2. Clean the cooling fan and the fan duct.
		Unit failure	1. Reset the alarm. 2. Replace the malfunctioning cooling fan with a new one.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	The CBB01 board # 2 generates an alarm.	Connection failure	1. Reset the alarm. 2. Check the connection and insertion of the cable and connector for the cooling fan.
		Power voltage drop	1. Reset the alarm. 2. Check if the primary power voltage is normal.
		Dirt	1. Reset the alarm. 2. Clean the cooling fan and the fan duct.
		Unit failure	1. Reset the alarm. 2. Replace the malfunctioning cooling fan with a new one.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	The CBB01 board # 3 generates an alarm.	Connection failure	1. Reset the alarm. 2. Check the connection and insertion of the cable and connector for the cooling fan.
		Power voltage drop	1. Reset the alarm. 2. Check if the primary power voltage is normal.

4154: COOLING FAN ERROR (DOOR) (continued)

Sub Code	Meaning	Cause	Remedy
		Dirt	1. Reset the alarm. 2. Clean the cooling fan and the fan duct.
		Unit failure	1. Reset the alarm. 2. Replace the malfunctioning cooling fan with a new one.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	The CBB01 board # 4 generates an alarm.	Connection failure	1. Reset the alarm. 2. Check the connection and insertion of the cable and connector for the cooling fan.
		Power voltage drop	1. Reset the alarm. 2. Check if the primary power voltage is normal.
		Dirt	1. Reset the alarm. 2. Clean the cooling fan and the fan duct.
		Unit failure	1. Reset the alarm. 2. Replace the malfunctioning cooling fan with a new one.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
5	The CBB01 board # 5 generates an alarm.	Connection failure	1. Reset the alarm. 2. Check the connection and insertion of the cable and connector for the cooling fan.
		Power voltage drop	1. Reset the alarm. 2. Check if the primary power voltage is normal.
		Dirt	1. Reset the alarm. 2. Clean the cooling fan and the fan duct.
		Unit failure	1. Reset the alarm. 2. Replace the malfunctioning cooling fan with a new one.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
6	The CBB01 board # 6 generates an alarm.	Connection failure	1. Reset the alarm. 2. Check the connection and insertion of the cable and connector for the cooling fan.
		Power voltage drop	1. Reset the alarm. 2. Check if the primary power voltage is normal.
		Dirt	1. Reset the alarm. 2. Clean the cooling fan and the fan duct.
		Unit failure	1. Reset the alarm. 2. Replace the malfunctioning cooling fan with a new one.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7	The CBB01 board # 7 generates an alarm.	Connection failure	1. Reset the alarm. 2. Check the connection and insertion of the cable and connector for the cooling fan.

4154: COOLING FAN ERROR (DOOR) (continued)

Sub Code	Meaning	Cause	Remedy
		Power voltage drop	1. Reset the alarm. 2. Check if the primary power voltage is normal.
		Dirt	1. Reset the alarm. 2. Clean the cooling fan and the fan duct.
		Unit failure	1. Reset the alarm. 2. Replace the malfunctioning cooling fan with a new one.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8	The CBB01 board # 8 generates an alarm.	Connection failure	1. Reset the alarm. 2. Check the connection and insertion of the cable and connector for the cooling fan.
		Power voltage drop	1. Reset the alarm. 2. Check if the primary power voltage is normal.
		Dirt	1. Reset the alarm. 2. Clean the cooling fan and the fan duct.
		Unit failure	1. Reset the alarm. 2. Replace the malfunctioning cooling fan with a new one.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4155: COOLING FAN ERROR (BACKSIDE)

An error occurred in the backside cooling fan.

Sub Code	Meaning	Cause	Remedy
1	The CBB01 board # 1 generates an alarm.	Connection failure	1. Reset the alarm. 2. Check the connection and insertion of the cable and connector for the cooling fan.
		Power voltage drop	1. Reset the alarm. 2. Check the connection and insertion of the cable and connector for the cooling fan.
		Dirt	1. Reset the alarm. 2. Clean the cooling fan and the fan duct.
		Unit failure	1. Reset the alarm. 2. Replace the malfunctioning cooling fan with a new one.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	The CBB01 board # 2 generates an alarm.	Connection failure	1. Reset the alarm. 2. Check the connection and insertion of the cable and connector for the cooling fan.
		Power voltage drop	1. Reset the alarm. 2. Check the connection and insertion of the cable and connector for the cooling fan.

4155: COOLING FAN ERROR (BACKSIDE) (continued)

Sub Code	Meaning	Cause	Remedy
		Dirt	1. Reset the alarm. 2. Clean the cooling fan and the fan duct.
		Unit failure	1. Reset the alarm. 2. Replace the malfunctioning cooling fan with a new one.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	The CBB01 board # 3 generates an alarm.	Connection failure	1. Reset the alarm. 2. Check the connection and insertion of the cable and connector for the cooling fan.
		Power voltage drop	1. Reset the alarm. 2. Check if the primary power voltage is normal.
		Dirt	1. Reset the alarm. 2. Clean the cooling fan and the fan duct.
		Unit failure	1. Reset the alarm. 2. Replace the malfunctioning cooling fan with a new one.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	The CBB01 board # 4 generates an alarm.	Connection failure	1. Reset the alarm. 2. Check the connection and insertion of the cable and connector for the cooling fan.
		Power voltage drop	1. Reset the alarm. 2. Check if the primary power voltage is normal.
		Dirt	1. Reset the alarm. 2. Clean the cooling fan and the fan duct.
		Unit failure	1. Reset the alarm. 2. Replace the malfunctioning cooling fan with a new one.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
5	The CBB01 board # 5 generates an alarm.	Connection failure	1. Reset the alarm. 2. Check the connection and insertion of the cable and connector for the cooling fan.
		Power voltage drop	1. Reset the alarm. 2. Check if the primary power voltage is normal.
		Dirt	1. Reset the alarm. 2. Clean the cooling fan and the fan duct.
		Unit failure	1. Reset the alarm. 2. Replace the malfunctioning cooling fan with a new one.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
6	The CBB01 board # 6 generates an alarm.	Connection failure	1. Reset the alarm. 2. Check the connection and insertion of the cable and connector for the cooling fan.

4155: COOLING FAN ERROR (BACKSIDE) (continued)

Sub Code	Meaning	Cause	Remedy
		Power voltage drop	1. Reset the alarm. 2. Check if the primary power voltage is normal.
		Dirt	1. Reset the alarm. 2. Clean the cooling fan and the fan duct.
		Unit failure	1. Reset the alarm. 2. Replace the malfunctioning cooling fan with a new one.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7	The CBB01 board # 7 generates an alarm.	Connection failure	1. Reset the alarm. 2. Check the connection and insertion of the cable and connector for the cooling fan.
		Power voltage drop	1. Reset the alarm. 2. Check if the primary power voltage is normal.
		Dirt	1. Reset the alarm. 2. Clean the cooling fan and the fan duct.
		Unit failure	1. Reset the alarm. 2. Replace the malfunctioning cooling fan with a new one.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8	The CBB01 board # 8 generates an alarm.	Connection failure	1. Reset the alarm. 2. Check the connection and insertion of the cable and connector for the cooling fan.
		Power voltage drop	1. Reset the alarm. 2. Check if the primary power voltage is normal.
		Dirt	1. Reset the alarm. 2. Clean the cooling fan and the fan duct.
		Unit failure	1. Reset the alarm. 2. Replace the malfunctioning cooling fan with a new one.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4194: 3D TRACE BUFFER OVERFLOW

An error occurred in the tracing function of 3D graphic function.

Sub Code	Meaning	Cause	Remedy
	There is not enough space for 3D trace buffer.	Setting error	Adjust the parameter: 3D trace sampling cycle:S3C1325.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4200: SYSTEM ERROR(FILE DATA)

An error occurred during the access to file data (during file edition or external memory device operation).

Sub Code	Meaning	Cause	Remedy
	Sub code 01 to 50: Signifies the internal software error	Data error	1. Reset the alarm. 2. If the alarm occurs again, turn the controller power OFF and then ON to check the operation. 3. If the alarm occurs again, initialize the appropriate data in maintenance mode, and then load the data saved in the external memory device.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4201: SYSTEM ERROR(JOB)

An error occurred when accessing the job data of MOTION section.

Sub Code	Meaning	Cause	Remedy
-1	An error occurred during the access a job in parameter specifications.	Software operation error occurred	Reset the alarm, and then try again.
		ACP30 board failure	1. Reset the alarm, and then try again. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-2	Access time exceeded the limit during the access to a job.	Software operation error occurred	Reset the alarm, and then try again.
		ACP30 board failure	1. Reset the alarm, and then try again. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-3	The access to a job could not be performed with the specified job name.	Software operation error occurred	Reset the alarm, and then try again.
		ACP30 board failure	1. Reset the alarm, and then try again. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-4	A job was newly created with the same name of the job already specified in the memory.	Software operation error occurred	Reset the alarm, and then try again.
		ACP30 board failure	1. Reset the alarm, and then try again. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.

4201: SYSTEM ERROR(JOB) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-5	A job was newly created with the same name of the job already specified in the memory.	Software operation error occurred	Reset the alarm, and then try again.
		ACP30 board failure	1. Reset the alarm, and then try again. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-6	The allowable job registration area (memory) was exceeded.	Setting error	Delete unused jobs.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-7	A job that did not exist in the memory was specified.	Software operation error occurred	Reset the alarm, and then try again.
		ACP30 board failure	1. Reset the alarm, and then try again. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-8	An attempt was made to change the contents for the job prohibited from being edited.	Setting error	Release the prohibition.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-9	An error occurred during the access to a job in handle value.	Software operation error occurred	Reset the alarm, and then try again.
		ACP30 board failure	1. Reset the alarm, and then try again. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-10	An error occurred in job data control system.	Software operation error occurred	Reset the alarm, and then try again.
		ACP30 board failure	1. Reset the alarm, and then try again. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-11	An error occurred in sequence number of the accessed job.	Software operation error occurred	Reset the alarm, and then try again.

4201: SYSTEM ERROR(JOB) (continued)

Sub Code	Meaning	Cause	Remedy
		ACP30 board failure	1. Reset the alarm, and then try again. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-12	An error occurred in step number of the accessed job.	Software operation error occurred	Reset the alarm, and then try again.
		ACP30 board failure	1. Reset the alarm, and then try again. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-13	A job specified at job search did not exist in the memory.	Software operation error occurred	Reset the alarm, and then try again.
		ACP30 board failure	1. Reset the alarm, and then try again. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-14	There was an instruction that did not exist in a job because of inconsistency of the system software.	Software operation error occurred	Reset the alarm, and then try again.
		ACP30 board failure	1. Reset the alarm, and then try again. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-16	Unused handles were lacking when an attempt was made to open a job.	Software operation error occurred	Reset the alarm, and then try again.
		ACP30 board failure	1. Reset the alarm, and then try again. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-18	The number of instructions added to a job exceeded 9999.	Setting error	Delete unnecessary instructions and add new instructions again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-19	The number of steps added to a job exceeded 9999.	Setting error	Delete unnecessary steps and add new steps again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4201: SYSTEM ERROR(JOB) (continued)

Sub Code	Meaning	Cause	Remedy
-22	Job information was not able to be expanded.	Software operation error occurred	Reset the alarm, and then try again.
		ACP30 board failure	1. Reset the alarm, and then try again. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-23	Job information was not able to be acquired.	Software operation error occurred	Reset the alarm, and then try again.
		ACP30 board failure	1. Reset the alarm, and then try again. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-24	An error occurred in cluster control.	Software operation error occurred	Reset the alarm, and then try again.
		ACP30 board failure	1. Reset the alarm, and then try again. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-25	Failed to read the cluster information.	Software operation error occurred	Reset the alarm, and then try again.
		ACP30 board failure	1. Reset the alarm, and then try again. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-26	Heap area could not be obtained.	Software operation error occurred	Reset the alarm, and then try again.
		ACP30 board failure	1. Reset the alarm, and then try again. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-27	The target for change is the line where editing is prohibited or the comment-out line.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, deactivate the prohibit setting for the target line or delete the comment-out line.
		ACP30 board failure	1. Reset the alarm, and then try again. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4201: SYSTEM ERROR(JOB) (continued)

Sub Code	Meaning	Cause	Remedy
-28	The marker job was incorrectly changed.	Software operation error occurred	Reset the alarm, and then try again.
		ACP30 board failure	1. Reset the alarm, and then try again. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-90	The configuration data is damaged.	Software operation error occurred	Reset the alarm, and then try again.
		ACP30 board failure	1. Reset the alarm, and then try again. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-91	The FAT area is damaged.	Software operation error occurred	Reset the alarm, and then try again.
		ACP30 board failure	1. Reset the alarm, and then try again. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-92	A job data in the memory was destroyed.	Software operation error occurred	Reset the alarm, and then try again.
		ACP30 board failure	1. Reset the alarm, and then try again. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4202: SYSTEM ERROR(JOB)

This alarm occurs if abnormal internal data is detected during the access to the job data of operating/editing software.

Sub Code	Meaning	Cause	Remedy
1	An error occurred in parameter specifications for the access to a job .	Software operation error occurred	1. Reset the alarm. 2. If the error occurs again, delete the job where the alarm occurred. 3. If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4202: SYSTEM ERROR(JOB) (continued)

Sub Code	Meaning	Cause	Remedy
2	Access time exceeded the limit during the access to a job.	Software operation error occurred	1. Reset the alarm. 2. If the error occurs again, delete the job where the alarm occurred. 3. If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	Unapproved characters are used for a job name.	Software operation error occurred	1. Reset the alarm. 2. If the error occurs again, delete the job where the alarm occurred. 3. If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	A job was newly created with the same name of the job already specified in the memory.	Software operation error occurred	1. Reset the alarm. 2. If the error occurs again, delete the job where the alarm occurred. 3. If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
5	A job was newly created with the same name of the job already specified in the memory.	Software operation error occurred	1. Reset the alarm. 2. If the error occurs again, delete the job where the alarm occurred. 3. If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
6	The allowable job registration area (memory) was exceeded.	Software operation error occurred	1. Reset the alarm. 2. If the error occurs again, delete unused jobs. 3. If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file. In that case, delete the unused jobs.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7	A job that did not exist in the memory was specified.	Software operation error occurred	1. Reset the alarm. 2. If the error occurs again, delete the job where the alarm occurred. 3. If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file.

4202: SYSTEM ERROR(JOB) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8	An attempt was made to change the contents for the job prohibited from being edited.	Setting error	Check the following settings. • Setting of EDIT LOCK in JOB header screen If the job is protected from editing, release the prohibition.
		Software operation error occurred	1. Reset the alarm. 2. If you edit this job, release the prohibition. 3. If the error occurs again, delete the job where the alarm occurred. 4. If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
9	An attempt was made to change the contents for the job prohibited from being edited.	Setting error	Check the following settings. • Setting of EDIT LOCK in JOB header screen If the job is protected from editing, release the prohibition.
		Software operation error occurred	1. Reset the alarm. 2. If you edit this job, release the prohibition. 3. If the error occurs again, delete the job where the alarm occurred. 4. If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
10	An error occurred in job data control system.	Software operation error occurred	1. Reset the alarm. 2. If the error occurs again, delete the job where the alarm occurred. 3. If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
11	An error occurred in sequence number of the accessed job.	Software operation error occurred	1. Reset the alarm. 2. If the error occurs again, delete the job where the alarm occurred. 3. If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4202: SYSTEM ERROR(JOB) (continued)

Sub Code	Meaning	Cause	Remedy
12	An error occurred in step number of the accessed job.	Software operation error occurred	1. Reset the alarm. 2. If the error occurs again, delete the job where the alarm occurred. 3. If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
13	A job specified at job search did not exist in the memory.	Software operation error occurred	1. Reset the alarm. 2. If the error occurs again, delete the job where the alarm occurred. 3. If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
14	There was an instruction that did not exist in a job because of inconsistency of the system software.	Software operation error occurred	1. Reset the alarm. 2. If the error occurs again, delete the job where the alarm occurred. 3. If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
16	Unused handles were lacking when an attempt was made to open a job.	Setting error	Check the following settings. • The number of call job stacks Set the job configuration that decreases the number of call job stacks.
		Software operation error occurred	1. Reset the alarm. 2. If the error occurs again, delete the job where the alarm occurred. 3. If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
18	The number of instructions added to a job exceeded 9999.	Setting error	Check the following settings. • The number of steps in job Delete unnecessary instructions in job and add new instructions.
		Software operation error occurred	1. Reset the alarm. 2. If the error occurs again, delete the job where the alarm occurred. 3. If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file.

4202: SYSTEM ERROR(JOB) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
19	The number of steps added to a job exceeded 9999.	Setting error	Check the following settings. • The number of steps in job Delete unnecessary steps in job and add new steps.
		Software operation error occurred	1. Reset the alarm. 2. If the error occurs again, delete the job where the alarm occurred. 3. If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
20	A job was newly created with the same name of the undefined job already specified in the memory.	Software operation error occurred	1. Reset the alarm. 2. If the error occurs again, delete the job where the alarm occurred. 3. If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
22	Failed to expand job information during the access to a job.	Software operation error occurred	1. Reset the alarm. 2. If the error occurs again, delete the job where the alarm occurred. 3. If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
23	The accessed job was not opened.	Software operation error occurred	1. Reset the alarm. 2. If the error occurs again, delete the job where the alarm occurred. 3. If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
24	An error occurred in the cluster control process of the accessed job.	Software operation error occurred	1. Reset the alarm. 2. If the error occurs again, delete the job where the alarm occurred. 3. If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4202: SYSTEM ERROR(JOB) (continued)

Sub Code	Meaning	Cause	Remedy
25	An error occurred when reading the cluster information of the accessed job.	Software operation error occurred	1. Reset the alarm. 2. If the error occurs again, delete the job where the alarm occurred. 3. If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
26	Failed to acquire the necessary memory area during the access to a job.	Software operation error occurred	1. Reset the alarm. 2. If the error occurs again, delete the job where the alarm occurred. 3. If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
27	An attempt was made to change the contents for the line prohibited from being edited or the commented-out line.	Setting error	1. Reset the alarm. 2. Cancel the LINE EDIT LOCK/COMMENT OUT settings of target lines in JOB CONTENTS screen.
		Software operation error occurred	1. Reset the alarm. 2. Cancel the LINE EDIT LOCK/COMMENT OUT settings of target lines in JOB CONTENTS screen. 3. If the error occurs again, delete the line where the alarm occurred. 4. If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
28	The marker job was incorrectly changed.	Software operation error occurred	1. Reset the alarm. 2. If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
90	The configuration information for job data control is damaged.	Software operation error occurred	1. Reset the alarm. 2. If the error occurs again, delete the job where the alarm occurred. 3. If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4202: SYSTEM ERROR(JOB) (continued)

Sub Code	Meaning	Cause	Remedy
91	The FAT information for job data is damaged.	Software operation error occurred	1. Reset the alarm. 2. If the error occurs again, delete the job where the alarm occurred. 3. If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
92	A job data was destroyed.	Software operation error occurred	1. Reset the alarm. 2. If the error occurs again, delete the job where the alarm occurred. 3. If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
99	A job data in the memory was destroyed.	Software operation error occurred	1. Reset the alarm. 2. If the error occurs again, delete the job where the alarm occurred. 3. If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4203: SYSTEM ERROR(POSITION DATA)

An data error occurred during the access to position data of MOTION section.

Sub Code	Meaning	Cause	Remedy
-1	The memory area for position data is lacking at the initialization of the position data control process.	Software operation error occurred	Reset the alarm, and then try again.
		ACP30 board failure	1. Reset the alarm, and then try again. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-2	The number of axes for all the control groups is zero at the initialization of the position data control process.	Software operation error occurred	Reset the alarm, and then try again.
		ACP30 board failure	1. Reset the alarm, and then try again. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.

4203: SYSTEM ERROR(POSITION DATA) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-3	The number of axes for position data is zero.	Software operation error occurred	Reset the alarm, and then try again.
		ACP30 board failure	1. Reset the alarm, and then try again. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-4	The number of stored position data exceeded the maximum stored data at the initialization of the position data control process.	Software operation error occurred	Reset the alarm, and then try again.
		ACP30 board failure	1. Reset the alarm, and then try again. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-5	The memory size of the position data exceeded the maximum memory size at the initialization of the position data control process.	Software operation error occurred	Reset the alarm, and then try again.
		ACP30 board failure	1. Reset the alarm, and then try again. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-6	Unused position data file is destroyed.	Software operation error occurred	Reset the alarm, and then try again.
		ACP30 board failure	1. Reset the alarm, and then try again. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-7	Unused position data file does not exist.	Software operation error occurred	Reset the alarm, and then try again.
		ACP30 board failure	1. Reset the alarm, and then try again. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-8	Position data file is destroyed.	Software operation error occurred	Reset the alarm, and then try again.

4203: SYSTEM ERROR(POSITION DATA) (continued)

Sub Code	Meaning	Cause	Remedy
		ACP30 board failure	1. Reset the alarm, and then try again. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-9	Position data control information is destroyed.	Software operation error occurred	Reset the alarm, and then try again.
		ACP30 board failure	1. Reset the alarm, and then try again. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-10	An error occurred in specified position data number.	Software operation error occurred	Reset the alarm, and then try again.
		ACP30 board failure	1. Reset the alarm, and then try again. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-11	Position data is not registered.	Software operation error occurred	Reset the alarm, and then try again.
		ACP30 board failure	1. Reset the alarm, and then try again. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-12	An attempt was made to access the undefined position data.	Software operation error occurred	Reset the alarm, and then try again.
		ACP30 board failure	1. Reset the alarm, and then try again. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-13	An attempt was made to access the position data for the undefined control group.	Software operation error occurred	Reset the alarm, and then try again.
		ACP30 board failure	1. Reset the alarm, and then try again. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-14	Position data control is not initialized.	Software operation error occurred	Reset the alarm, and then try again.

4203: SYSTEM ERROR(POSITION DATA) (continued)

Sub Code	Meaning	Cause	Remedy
		ACP30 board failure	1. Reset the alarm, and then try again. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-15	The number of axes for the control groups exceeded the limit.	Software operation error occurred	Reset the alarm, and then try again.
		ACP30 board failure	1. Reset the alarm, and then try again. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-16	An error occurred in exclusive control during the position data control process.	Software operation error occurred	Reset the alarm, and then try again.
		ACP30 board failure	1. Reset the alarm, and then try again. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-17	An error occurred in exceptional control during the position data control process.	Software operation error occurred	Reset the alarm, and then try again.
		ACP30 board failure	1. Reset the alarm, and then try again. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-20	Inconsistency of data.	Software operation error occurred	Reset the alarm, and then try again.
		ACP30 board failure	1. Reset the alarm, and then try again. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4204: SYSTEM ERROR(POSITION DATA)

This alarm occurs if abnormal internal data is detected during the access to position data.

Sub Code	Meaning	Cause	Remedy
1	The number of axes for all the control groups is zero at the initialization of the position data control process	Software operation error occurred	1. Reset the alarm. 2. If the error occurs again, delete the job where the alarm occurred. 3. If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	The number of axes for all the control groups is zero at the initialization of the position data control process	Software operation error occurred	1. Reset the alarm. 2. If the error occurs again, delete the job where the alarm occurred. 3. If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	The number of axes for position data is zero.	Software operation error occurred	1. Reset the alarm. 2. If the error occurs again, delete the job where the alarm occurred. 3. If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	The number of stored position data exceeded the maximum stored data at the initialization of the position data control process.	Software operation error occurred	1. Reset the alarm. 2. If the error occurs again, delete the job where the alarm occurred. 3. If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
5	The memory size of the position data exceeded the maximum memory size at the initialization of the position data control process.	Software operation error occurred	1. Reset the alarm. 2. If the error occurs again, delete the job where the alarm occurred. 3. If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4204: SYSTEM ERROR(POSITION DATA) (continued)

Sub Code	Meaning	Cause	Remedy
6	Unused position data file is destroyed.	Software operation error occurred	1. Reset the alarm. 2. If the error occurs again, delete the job where the alarm occurred. 3. If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7	Unused position data file does not exist.	Setting error	Check the following settings. • The number of steps in job (position data) Delete unnecessary position data in job and add new position data.
		Software operation error occurred	1. Reset the alarm. 2. If the error occurs again, delete the job where the alarm occurred. 3. If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8	Position data file is destroyed.	Software operation error occurred	1. Reset the alarm. 2. If the error occurs again, delete the job where the alarm occurred. 3. If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
9	Position data control information is destroyed.	Software operation error occurred	1. Reset the alarm. 2. If the error occurs again, delete the job where the alarm occurred. 3. If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
10	An error occurred in specified position data number.	Software operation error occurred	1. Reset the alarm. 2. If the error occurs again, delete the job where the alarm occurred. 3. If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4204: SYSTEM ERROR(POSITION DATA) (continued)

Sub Code	Meaning	Cause	Remedy
11	Position data is not registered.	Setting error	Check the following settings. • Teaching of alarm occurred point Teaching the point where alarm occurred.
		Software operation error occurred	1. Reset the alarm. 2. If the error occurs again, delete the job where the alarm occurred. 3. If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
12	An attempt was made to access the undefined position data.	Software operation error occurred	1. Reset the alarm. 2. If the error occurs again, delete the job where the alarm occurred. 3. If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
13	An attempt was made to access the position data for the undefined control group.	Software operation error occurred	1. Reset the alarm. 2. If the error occurs again, delete the job where the alarm occurred. 3. If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
14	Position data control is not initialized.	Software operation error occurred	1. Reset the alarm. 2. If the error occurs again, delete the job where the alarm occurred. 3. If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
15	The number of axes for the control groups exceeded the limit.	Software operation error occurred	1. Reset the alarm. 2. If the error occurs again, delete the job where the alarm occurred. 3. If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4204: SYSTEM ERROR(POSITION DATA) (continued)

Sub Code	Meaning	Cause	Remedy
16	An error occurred in exclusive control during the position data control process.	Software operation error occurred	1. Reset the alarm. 2. If the error occurs again, delete the job where the alarm occurred. 3. If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
17	An error occurred in exceptional control during the position data control process.	Software operation error occurred	1. Reset the alarm. 2. If the error occurs again, delete the job where the alarm occurred. 3. If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
20	Undefined position exists.	Software operation error occurred	1. Reset the alarm. 2. If the error occurs again, delete the job where the alarm occurred. 3. If the error occurs again after the previous measures were executed, initialize the job file in the maintenance mode, and then load the saved job file.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4206: SYSTEM ERROR(TRANSMISSION)

An error occurred in data transmission.

Sub Code	Meaning	Cause	Remedy
	Sub Code 1 to 4: Signifies the internal software error during data transmission.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4207: SYSTEM ERROR(MOTION)

A system error occurred in MOTION section.

Sub Code	Meaning	Cause	Remedy
1	An interrupt undefined in the main command from the system control section occurred.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	An interrupt undefined in the sub command from the system control section occurred.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	The interrupt command that was sent previously from the system control section is being processed.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	An error was detected in the interrupt command data from the system control section.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
5	An undefined command was detected in the sub segment task of MOTION section.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
6	An undefined command was detected in the servo-related processing of MOTION section.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7	An undefined command was detected in the offline processing task of MOTION section.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8	An undefined command was detected in the utility task of MOTION section.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
10	Task Token is not generated.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
11	Mail-box Token is not generated.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
12	Semaphore Token is not generated.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
14	RMS receiving data error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4207: SYSTEM ERROR(MOTION) (continued)

Sub Code	Meaning	Cause	Remedy
15	RMS sending data error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
16	RMS receiving unit error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
18	Task generation error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
19	Mail-box generation error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
20	Semaphore generation error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
22	TCB area overflow	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
23	Stack area overflow	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
24	Mail-box area overflow	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
25	Semaphore area overflow	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
30	Interrupt main command error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
33	Incorrect control group designation	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
34	Offline bank semaphore reception error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4207: SYSTEM ERROR(MOTION) (continued)

Sub Code	Meaning	Cause	Remedy
35	m_gen_area semaphore reception error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
36	Offline HA processing timeout	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
37	DM_BANK flag error (DM_ BANK conversion processing)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
38	S -> M offline processing command type error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
39	Function specification error in the data transmission to the sensor board	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
40	Error in designation of application in the request of general-purpose data preset for each application.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
45	Mail-box of sequence task is not ready.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
46	Control-group usage undefined	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
47	Segment task polling command error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
48	Physical axis number error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
49	The control group impossible to release the brake	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
50	Sub-segment request FULL	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4207: SYSTEM ERROR(MOTION) (continued)

Sub Code	Meaning	Cause	Remedy
51	Sub-segment process timeout	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
52	Data latch request FULL	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
53	Data latch process timeout	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
54	AXIS command request FULL	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
55	AXIS command process timeout	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
56	Positioning monitor request FULL	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
57	Positioning monitor process timeout	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
58	Failed AXIS servo OFF command request during category1 emergency stop	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
59	AXIS servo OFF command execution system not set during category1 emergency stop	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
62	Duplicated request error during master control-group tracking	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
63	GVM shared resource semaphore error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
64	Job queue DEQUE error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4207: SYSTEM ERROR(MOTION) (continued)

Sub Code	Meaning	Cause	Remedy
66	Execution system decision table not set	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
67	Unknown mode data (Without TEACH/PLAY mode data)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
68	Shift-value output timeout of the general-purpose sensor	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
69	Interrupt main status set	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
71	System number error at the master side in twin synchronous system	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
72	No data link added to the command	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
73	Setting status error of the user coordinates file	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
75	Previous path data reference error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
79	Inner track zone status error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
80	Instruction queue and instruction system data area overflow	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
81	Offline answer bank flag error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
82	Path and trace queue ENQUE BANK error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4207: SYSTEM ERROR(MOTION) (continued)

Sub Code	Meaning	Cause	Remedy
83	Pending and block end request FULL	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
84	Base axis file type error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
85	Output buffer SYSCON for automatic test data in use	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
86	Conversion completion status for AXIS section feedback latch data not established	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
88	File C1 through C3 for calibration between manipulators not set	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
89	File C1 through C3 for conveyor calibration not set	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
90	HA function error (conv_pos_data())	Setting error	1. Check the following settings. • Correct the job so that the target position data is within the motion range. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
91	HA function error (conv_shift_data())	Setting error	1. Check the following settings. • Correct the job so that the target position data is within the motion range. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
94	HA function error (conv_pulse_to_angle())	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
95	HA function error (pr_atinf_pos_make())	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
97	HA function error (get_gun_ctrl_ori_angle())	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4207: SYSTEM ERROR(MOTION) (continued)

Sub Code	Meaning	Cause	Remedy
98	HA function error (make_conv_frm_data())	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
99	HA function error (calc_dist_pos())	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
100	Control-group axis configuration information parameter error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
101	Error in the parameter for the table for physical axes	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
102	Error in the parameter for the table for physical TU	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
103	Excessive number of control group axes in use	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
104	JOG and PLAY maximum speed setting parameter error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
105	Reduction ratio setting parameter error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
106	feedback PPR setting parameter error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
121	Job argument stack overflow	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
122	Job argument stack underflow	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
123	Designation error of the fetched feedback pulse area at preparation of current value	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4207: SYSTEM ERROR(MOTION) (continued)

Sub Code	Meaning	Cause	Remedy
128	Timeout for waiting permission to modify the number of averaging times	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
129	Object undefined for CLEAR instruction	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
130	No space in RT_BANK setting area for correction-amount data	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
131	Queue operation error for variable write-in history at prereading (at ENQUE)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
132	Queue operation error for variable write-in history at prereading (at DEQUE)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
133	Queue operation error for variable write-in history at prereading (undefined operation)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
134	Queue operation error for variable write-in history at prereading (data length too long)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
135	Queue operation error for score-board setting history (at ENQUE)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
136	Queue operation error for score-board setting history (at DEQUE)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
137	Queue operation error for score-board setting history (undefined operation)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
138	Queue operation error for score-board setting history (data length too long)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
139	Queue operation error for instruction execution (at ENQUE)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4207: SYSTEM ERROR(MOTION) (continued)

Sub Code	Meaning	Cause	Remedy
140	Queue operation error for instruction execution (at DEQUE)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
141	Queue operation error for instruction execution (undefined operation)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
142	Queue operation error for instruction execution (data length too long)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
143	Queue operation error for WORK ID conveyor (at ENQUE)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
144	Queue operation error for WORK ID conveyor (at DEQUE)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
145	Queue operation error for WORK ID conveyor (undefined operation)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
146	Queue operation error for WORK ID conveyor (data length too long)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
147	Queue operation error for WORK IN/OUT checking conveyor (at ENQUE)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
148	Queue operation error for WORK IN/OUT checking conveyor (at DEQUE)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
149	Queue operation error for WORK IN/OUT checking conveyor (undefined operation)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
150	Queue operation error for WORK IN/OUT checking conveyor (data length too long)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
151	Queue operation error for waiting for semaphore for LOCK instruction (at ENQUE)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4207: SYSTEM ERROR(MOTION) (continued)

Sub Code	Meaning	Cause	Remedy
152	Queue operation error for waiting for semaphore for LOCK instruction (at DEQUE)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
153	Queue operation error for waiting for semaphore for LOCK instruction (undefined operation)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
154	Queue operation error for waiting for semaphore for LOCK instruction (data length too long)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
161	Functional safety command request is full.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
162	Functional safety command request is latency over.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
163	Transfer data overflow in functional safety readback data.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
221	Transfer data overflow in offline data bank	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
222	Impossible to execute system exclusive for system job	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
223	Event queue number range exceeded	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
225	The number of WORK ID data and the MAX. WORK FIND COUNT unmatched (MOTION NOT EQUAL CV)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
226	The number of WORK IN/OUT data and the MAX. WORK FIND COUNT unmatched (MOTION NOT EQUAL CV)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
227	Excessive number of scheduling for execution of instructions	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4207: SYSTEM ERROR(MOTION) (continued)

Sub Code	Meaning	Cause	Remedy
228	Instruction execution scheduling impossible	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
229	Illegal 1st-line move instruction at execution of +SMOV instruction	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
230	Impossible to execute the slave circular interpolation and the master circular interpolation at the same time	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
231	Impossible to execute the slave spline interpolation and the master spline interpolation at the same time	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
232	Illegal index value for a +MOVx instruction	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
233	No xth-line move instruction exists where the master control group belongs.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
234	Marking error for WORK ID conveyor queue (empty queue)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
235	Marking error for WORK IN/ OUT conveyor queue (empty queue)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
236	Data error 1 at restarting after an emergency stop (actual status and the data status unmatched)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
237	Data error 2 at restarting after an emergency stop (actual status and the data status unmatched)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
238	Data error 3 at restarting after an emergency stop (actual status and the data status unmatched)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
239	Timeout for receiving segment data output request	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4207: SYSTEM ERROR(MOTION) (continued)

Sub Code	Meaning	Cause	Remedy
240	The number which designates the setting area of correction amount in RT_BANK exceeded the limit value.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
241	Task error of the function calling source (cv_sync_intr ( ))	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
244	GETTOOLW manipulator designation error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
245	Overflow of entry number for instruction execution	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
246	Data latch processing (function number overflow)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
247	Data latch processing (real-time status number overflow)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
248	Failed to set a timer unit. (No allocation space for timer unit setting)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
249	Segment data missing (seg_t_req was not received in time.)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
250	GETS instruction internal error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
251	SETFILE undefined file	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
252	GETFILE undefined file	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
253	The parameter was destroyed when a GETPRM instruction was executed.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4207: SYSTEM ERROR(MOTION) (continued)

Sub Code	Meaning	Cause	Remedy
254	Null pointer assignment detected	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
255	Function or other processing parameter error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
260	Arithmetic answer is not set at prereading (ADV_HA_ANS.flag == OFF)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
261	Heap area obtainment failure (A_BANK)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
262	Heap area obtainment failure (C_BANK)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
263	Heap area obtainment failure (Instruction queue)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
264	Heap area obtainment failure (Path/trace queue)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
265	Heap area obtainment failure (IF-Express descriptor)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
270	Error in setting impedance control mode.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
271	Error in releasing impedance control mode.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
279	Specified MSS system instance is not generated.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
280	API error(HDAS_get_alias_name())	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4207: SYSTEM ERROR(MOTION) (continued)

Sub Code	Meaning	Cause	Remedy
284	GA generation number is over the limit.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
285	GA gene number is over the limit.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
286	GA initial generation number setting error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
287	GA control group error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
288	Learning control analysis error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
290	HA function error (get_svspot_ntch_data())	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
294	Job completion time over	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
295	Servo simulator averaging time change error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
310	Synchronized queue operation error for WORK ID conveyor (at ENQUE)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
311	Synchronized queue operation error for WORK ID conveyor (at DEQUE)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
312	Synchronized queue operation error for WORK ID conveyor (undefined operation)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
313	Synchronized queue operation error for WORK ID conveyor (data length too long)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4207: SYSTEM ERROR(MOTION) (continued)

Sub Code	Meaning	Cause	Remedy
314	Synchronized queue operation error for WORK IN/OUT checking conveyor (at ENQUE)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
315	Synchronized queue operation error for WORK IN/OUT checking conveyor (at DEQUE)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
316	Synchronized queue operation error for WORK IN/OUT checking conveyor (undefined operation)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
317	Synchronized queue operation error for WORK IN/OUT checking conveyor (data length too long)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
318	Synchronized queue operation error for WORK ID conveyor or WORK IN/OUT conveyor (at DEQUE)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
319	Synchronized queue empty error for WORK ID conveyor (at execution of CVQUE)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
320	Synchronized queue empty error for WORK IN/OUT conveyor (at execution of CVQUE)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
330	P-PLC suspend err	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
331	P-PLC suspend err	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
332	P-PLC suspend seq err	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
333	P-PLC suspend seq no err	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
334	P-PLC suspend seq no err	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4207: SYSTEM ERROR(MOTION) (continued)

Sub Code	Meaning	Cause	Remedy
340	PSTRIG suspend err	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
341	PSTRIG suspend err	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
342	PSTRIG suspend seq err	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
500	SL undefined interrupt command (main command)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
501	SL undefined interrupt command (sub command)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
502	Previous SL interrupt command processing	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
503	SL interrupt command data error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
999	Arithmetic section error (segment data all zero timeout)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000	System clock (RTC) setting error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1001	System task priority arrangement error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1002	VxWorks primitive error (msgQCreate)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1003	VxWorks primitive error (msgQSend)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4207: SYSTEM ERROR(MOTION) (continued)

Sub Code	Meaning	Cause	Remedy
1005	VxWorks primitive error (semBCreate)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1007	VxWorks primitive error (semTake)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1008	VxWorks primitive error (msgQSend) Message queue is full.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1100	Failed system job environment configuration	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2000	Failed system job environment configuration	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4208: SYSTEM ERROR(ARITH)

A system error occurred in ARITH.

Sub Code	Meaning	Cause	Remedy
1	Prereading task is not completed.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
5	The averaging buffer in the arithmetic section is destroyed.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
6	No previous bank exists.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7	The answer bank flag is ON.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8	An error occurred in preparation of current position.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
9	Mails could not correctly be received in the current task.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4208: SYSTEM ERROR(ARITH) (continued)

Sub Code	Meaning	Cause	Remedy
10	Spline-curve path designation error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
11	The previous bank's prereading conversion could not correctly be completed.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
12	A manipulator designation error occurred at JOG operation using the external reference point.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
13	Designation error of cubic interference coordinates	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
14	Path control position data error of prereading bank	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
16	Station/base axis motion command error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
18	User coordinates number error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
19	Processing error in re-preparation of segment control data	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
20	Prereading task not completed at master in twin synchronous system	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
23	Dynamic model arithmetic error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
24	Speed limit control error (excessive moment of gravity)	Setting error	1. Check the following settings. • The allowable breaking torque was exceeded only by the gravity moment. Set the gravity value of the tool within payload of the manipulator. • Teach the manipulator orientation that does not become the overload for each-axes of the manipulator. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4208: SYSTEM ERROR(ARITH) (continued)

Sub Code	Meaning	Cause	Remedy
25	Square root of a negative number	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
26	The system number is not set at master in twin synchronous system.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
29	FORMCUT internal control error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
30	Arm interference check error (radius data referencing mistake)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
31	Arm interference check error (miscalculation using direct kinematics)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
32	Arm interference check error (L-axis expansion flag setting error)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
33	Arm interference check error (check-point re-setting error)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
34	Impossible to edit the averaging buffer (zero division)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
35	No master-group is designated at preparation of master-tool user coordinates.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
40	Zero or a negative value is set for the bending stroke of the Following function.	Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
41	Pulse linked JOG function error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
42	Special JOG operation error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
44	Segment overless: Segment excessive error	Setting error	The teaching position cannot hold down the speed by the segment overless function. Reduce the teaching speed of the job.

4208: SYSTEM ERROR(ARITH) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
45	Segment overless: Path calculation repeat error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
47	Play path control: initialization error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
48	Play path control: continue process error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
49	Play path control: Step continuous initialization error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
50	Play path control: step continuous motion execution process error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
54	Approximation model internal control error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
55	Pair coordinate system position calculation function error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
56	OPT higher acceleration and deceleration control is not allowed when Function acceleration and deceleration control is enabled.	Setting error	Check the following settings. • OPT higher acceleration and deceleration control is used. • Don't use the OPT higher acceleration and deceleration control.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
57	Arithmetic error occurred when calculating the acceleration and deceleration time (Function acceleration and deceleration control)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
58	Arithmetic error occurred when recalculating the acceleration and deceleration time (Function acceleration and deceleration control)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4208: SYSTEM ERROR(ARITH) (continued)

Sub Code	Meaning	Cause	Remedy
59	Arithmetic error occurred when calculating PL control (Function acceleration and deceleration control)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
60	Arithmetic error occurred when calculating Function acceleration and deceleration dry run.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
61	Arithmetic error occurred when calculating current path of continuous motion stop operation	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
62	Arithmetic error occurred when calculating next path of continuous motion stop operation	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
63	Arithmetic error occurred when calculating acceleration time when continuous motion in the prereading processing	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
64	Arithmetic error occurred when calculating deceleration time when continuous motion in the prereading processing	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
65	Arithmetic error occurred when calculating acceleration and deceleration time when teaching.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
66	Arithmetic error occurred when calculating acceleration and deceleration time for plucking in prereading processing 1	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
67	Arithmetic error occurred when calculating acceleration and deceleration time for plucking in prereading processing 2	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
68	Arithmetic error occurred when calculating acceleration and deceleration time for plucking in prereading processing 3	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
69	Arithmetic error occurred when calculating acceleration and deceleration time for plucking in prereading processing 4	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
70	Arithmetic error occurred when calculating acceleration and deceleration for PL control plucking in prereading processing 1	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4208: SYSTEM ERROR(ARITH) (continued)

Sub Code	Meaning	Cause	Remedy
71	Arithmetic error occurred when calculating acceleration and deceleration for PL control plucking in prereading processing 2	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
72	Arithmetic error occurred when calculating acceleration and deceleration for plucking	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
73	Arithmetic error occurred when calculating acceleration and deceleration for PL control in prereading processing 1	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
74	Arithmetic error occurred when calculating acceleration and deceleration for PL control in prereading processing 2	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
75	Arithmetic error occurred when calculating acceleration and deceleration for PL control in prereading processing 3	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
76	Arithmetic error occurred when calculating acceleration and deceleration for PL control in prereading processing 4	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
77	Arithmetic error occurred when calculating acceleration and deceleration for PL control in prereading processing 5	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
102	Posture control error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
103	HA Servo Simulation error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
105	Timing control function control group error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
106	Feedback approximation model table queue control error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
107	Feedback approximation model data reference error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4208: SYSTEM ERROR(ARITH) (continued)

Sub Code	Meaning	Cause	Remedy
65535	For HA debug use	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4209: OFFLINE SYSTEM ERROR(ARITH)

A system error occurred in arithmetic section offline.

Sub Code	Meaning	Cause	Remedy
100	Data setting error in offline data bank	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
101	Data setting error in offline answer bank	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
102	OFF_USER_POS occupation control error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
103	OFF_USER_POS valid control error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
104	Mail-receiving error of offline task	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
105	Offline occupation control error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
107	OFF_USER_ROT_POS occupation control error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
108	OFF_USER_ROT_POS valid control error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
109	OFF_CV_CALIB_POS occupation control error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4209: OFFLINE SYSTEM ERROR(ARITH) (continued)

Sub Code	Meaning	Cause	Remedy
110	OFF_CV_CALIB_POS valid control error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
111	Incorrect teaching for offline conveyor tracking turntable function	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
112	No manipulator is designated for offline conveyor tracking turntable function.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
117	Detour posture control setup process error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4210: SYSTEM ERROR(LOCAL VARIABLE)

A system error occurred in local variable processing section.

Sub Code	Meaning	Cause	Remedy
-1	Local variable is not used.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-2	Memory area for local variable could not be obtained.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-3	No unused handle value exists when local variable area is created.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-4	An error occurred in exclusive control.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-5	Handle value is invalid for specified local variable.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-6	Handle value is incorrect for specified local variable.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-7	An error occurred when memory area for local variable was released.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4210: SYSTEM ERROR(LOCAL VARIABLE) (continued)

Sub Code	Meaning	Cause	Remedy
-8	An error occurred when memory area for local variable was registered.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-9	Local variable control process is not initialized.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-10	Local variable area shared heap area.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-11	An error occurred in exclusive control.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-12	An error occurred in exclusive control when control of the local variable was processed.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4220: SERVO POWER OFF FOR JOB

The servo power is not supplied to the job control group axis to be operated.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Control group	Setting error	Turn OFF the servo power supply, and then turn ON the servo power supply for the group axis to be operated.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4221: SERVO POWER OFF FOR JOB

The servo power is not supplied to the job control group axis to be operated.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Control group	The servo power is not supplied.	Turn OFF the servo power supply, and then turn ON the servo power supply for the group axis to be operated.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4224: MEMOPLAY FILE ERROR

An error occurred in memory play file.

Sub Code	Meaning	Cause	Remedy
-1	An error occurred in control process for memory play file.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-2	The arrangement address information is destroyed for memory play file system.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-3	The fixed control information is destroyed for memory play file system.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-4	The fixed control information is destroyed for memory play file system.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-5	An attempt was made to newly register the memory play file under use.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-6	An error occurred in checking written sampling data when the data was written to CMOS.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-7	An attempt was made to access an unused memory play file data.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-8	The memory play file is destroyed.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-9	The memory area for sampling data is full.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-10	The sampling data is destroyed.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-11	Data in control process for memory play file is incorrect.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-12	The sampling data is scanned only at top or end position.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4224: MEMOPLAY FILE ERROR (continued)

Sub Code	Meaning	Cause	Remedy
-13	The memory play file system is not initialized.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-14	The offset value is out of range at sampling data scanning.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4226: COMMUNICATION SERVICE ERROR

An error occurred at OPEN/CLOSE instruction execution.
The communication channel could not be opened/closed.

Sub Code	Meaning	Cause	Remedy
1	The communication channel could not be opened/closed at OPEN/CLOSE instruction execution.	Setting error	Check the following settings. • Setting of the RS (transmission) parameter
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
100	The communication port is already opened.	Setting error	Check the following settings. • The serial port setting
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
101	The communication port is not opened.	Setting error	Check the following settings. • The serial port setting
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
102	No space was found in data sent buffer.	Setting error	Check the following settings. • The serial port setting
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
103	The setting value for the event queue designation parameter is incorrect.	Setting error	1. Reset the alarm. 2. Check the following settings. • RS157- - - Set to 1 to 4
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
105	The type of output data is incorrect.	Setting error	1. Reset the alarm. 2. Check the following settings. • The serial port setting
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4228: WRONG DATA

The YRC1000 divides the job; instruction data and position data, into separate files to save.
This alarm occurs if it detects the inconsistency between the Job instruction and position file.
The followings are the causes of the inconsistency.
Cause 1: Single position data is chained by the plural Job instruction data. (Overlapped chain)
Cause 2: Job instruction file chains the unregistered position data. (Unregistered position data chain)
Cause 3: Registered position data is not chained.(Unchained position data)

Sub Code	Meaning	Cause	Remedy
		Software operation error occurred	1. Reset the alarm, and then execute following operation. • Select a sub menu [WRONG DATA LOG] under main menu [SETUP]. • Execute "RESTORE" by selecting "UTILITY" from the pull-down menu. *Occurrence date changes to restoration date after it is restored. • Turn the power OFF and then ON to check the factor of the inconsistency 1 and 2, on the data inconsistency screen in maintenance mode . The factor 1: Check the position of the corresponding file The factor 2: Register the position of the corresponding file again *The factor 3: Just turn the power OFF and then ON again. 2. If it would not restore, select "RE CHECK" from the pull-down menu. 3. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		Data error	1. If different axes configuration data is loaded, the system data becomes incorrect status, which causes this alarm. In this case, execute the following operations. • Select a sub menu [WRONG DATA LOG] under main menu [SETUP]. • Select "UTILITY" from the pull-down menu to execute "RESTORE". • Load correct axes configuration data 2. If it would not restore, select "RE CHECK" from the pull-down menu, and then load correct axes configuration data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4229: ETHERNET PROCESS ERROR

An error occurred when the Ethernet function was used.

Sub Code	Meaning	Cause	Remedy
1	An error occurred in the acquisition process of the IP address during the IP address monitoring process of the Ethernet function.(LAN interface)	Setting error	Check the following settings. • The DHCP server operation (If the DHCP is used) • The network status (If the DHCP is used)
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	An error occurred in the acquisition process of subnet mask during the network service data creation process of the Ethernet function.(LAN interface)	Setting error	Check the following settings. • The DHCP server operation (If the DHCP is used) • The network status (If the DHCP is used)
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	An error occurred in the acquisition process of gateway during the network service data creation process of the Ethernet function.	Setting error	Check the following settings. • The DHCP server operation (If the DHCP is used) • The network status (If the DHCP is used)
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	An error occurred in the conversion process of gateway address during the network service data creation process of the Ethernet function.	Setting error	Check the following settings. • The DHCP server operation (If the DHCP is used) • The network status (If the DHCP is used)
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4229: ETHERNET PROCESS ERROR (continued)

Sub Code	Meaning	Cause	Remedy
5	An error occurred in the conversion process of DNS server address during the network service data creation process of the Ethernet function.	Setting error	Check the following settings. • The DHCP server operation (If the DHCP is used) • The network status (If the DHCP is used)
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
6	An error occurred in the acquisition process of domain during the network service data creation process of the Ethernet function.	Setting error	Check the following settings. • The DHCP server operation (If the DHCP is used) • The network status (If the DHCP is used)
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7	An error occurred in the acquisition process of SNTP server during the network service data creation process of the Ethernet function.	Setting error	Check the following settings. • The DHCP server operation (If the DHCP is used) • The network status (If the DHCP is used)
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8	An error occurred in the acquisition process of host name during the network service data creation process of the Ethernet function.	Setting error	Check the following settings. • The DHCP server operation (If the DHCP is used) • The network status (If the DHCP is used)
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
9	An error occurred in the newest DNS information getting process from DHCP server in the DNS process of the Ethernet function.	Setting error	Check the following settings. • The DHCP server operation (If the DHCP is used) • The network status (If the DHCP is used)
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.

4229: ETHERNET PROCESS ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
10	An error occurred in the setting process to update DNS information in the DNS process of the Ethernet function.	Setting error	Check the following settings. • The DHCP server operation (If the DHCP is used) • The network status (If the DHCP is used)
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
11	An error occurred in the setting clearing process to update DNS information in the DNS process of the Ethernet function.	Setting error	Check the following settings. • The DHCP server operation (If the DHCP is used) • The network status (If the DHCP is used)
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
20	The subnet mask was not able to be acquired in the DHCP information update process of the Ethernet function.(LAN interface)	Setting error	Check the following settings. • The DHCP server operation (If the DHCP is used) • The network status (If the DHCP is used)
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
21	Subnet mask update error occurred in the DHCP information update process of the Ethernet function.	Setting error	Check the following settings. • The DHCP server operation (If the DHCP is used) • The network status (If the DHCP is used)
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
25	Gateway update error occurred in the DHCP information update process of the Ethernet function.	Setting error	Check the following settings. • The DHCP server operation (If the DHCP is used) • The network status (If the DHCP is used)
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.

4229: ETHERNET PROCESS ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
26	Gateway clear error occurred in the DHCP information update process of the Ethernet function.	Setting error	Check the following settings. • The DHCP server operation (If the DHCP is used) • The network status (If the DHCP is used)
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
35	IP address duplication was detected.(LAN interface)	Setting error	Check the following settings. • IP address setting of LAN interface in maintenance mode • IP addresses of other devices in the network.
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
36	IP address duplication was detected.	Setting error	Check the following settings. • IP address setting of LAN interface in maintenance mode • IP addresses of other devices in the network.
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
40	IP address can not be gotten or can not be updated via DHCP. (LAN interface)	Setting error	Check the following settings and status. • The DHCP server operation (If the DHCP is used) • The network status (If the DHCP is used)
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
50	Gateway setting is faulted.	Software operation error occurred	Check the following settings. • Default gateway setting of LAN interface in maintenance mode • Leased IP address, when getting IP address from DHCP.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.

4229: ETHERNET PROCESS ERROR (continued)

Sub Code	Meaning	Cause	Remedy
51	Static route setting is faulted. (LAN interface)	Software operation error occurred	Check the following settings. • Static route setting of LAN interface in maintenance mode • Leased IP address, when getting IP address from DHCP.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
52	NAT setting is faulted.(LAN interface)	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the ACP01 board. Save the CMOS.BIN before replace the board to be safe. Replace the ACP01 board, and then remove the SD CARD from the failure ACP01 board to insert it into the new ACP01 board.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
53	The host address to be used in ethernet function is not configured correctly.	Software operation error occurred	Check the following settings. • The host address setting of LAN interface in maintenance mode
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.

◆ 4234: COMMUNICATION TIMEOUT(IO MODULE)

An error was detected in communications timeout with the I/O module board when the control power turned ON.

Sub Code	Meaning	Cause	Remedy
0	The IO module board connected with 0th serial bus exists.	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		I/O module failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
1	An error was detected in communications timeout with the I/O module board connected with 1st serial bus when the control power turned ON.	Setting error	Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode
		I/O module failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.

4234: COMMUNICATION TIMEOUT(IO MODULE) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	An error was detected in communications timeout with the I/O module board connected with 2nd serial bus when the control power turned ON.	Setting error	Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode
		I/O module failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	An error was detected in communications timeout with the I/O module board connected with 3rd serial bus when the control power turned ON.	Setting error	Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode
		I/O module failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	An error was detected in communications timeout with the I/O module board connected with 4th serial bus when the control power turned ON.	Setting error	Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode
		I/O module failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
5	An error was detected in communications timeout with the I/O module board connected with 5th serial bus when the control power turned ON.	Setting error	Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode

4234: COMMUNICATION TIMEOUT(IO MODULE) (continued)

Sub Code	Meaning	Cause	Remedy
		I/O module failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
6	An error was detected in communications timeout with the I/O module board connected with 6th serial bus when the control power turned ON.	Setting error	Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode
		I/O module failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7	An error was detected in communications timeout with the I/O module board connected with 7th serial bus when the control power turned ON.	Setting error	Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode
		I/O module failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8	An error was detected in communications timeout with the I/O module board connected with 8th serial bus when the control power turned ON.	Setting error	Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode
		I/O module failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4234: COMMUNICATION TIMEOUT(IO MODULE) (continued)

Sub Code	Meaning	Cause	Remedy
9	An error was detected in communications timeout with the I/O module board connected with 9th serial bus when the control power turned ON.	Setting error	Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode
		I/O module failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
10	An error was detected in communications timeout with the I/O module board connected with 10th serial bus when the control power turned ON.	Setting error	Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode
		I/O module failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
11	An error was detected in communications timeout with the I/O module board connected with 11th serial bus when the control power turned ON.	Setting error	Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode
		I/O module failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
12	An error was detected in communications timeout with the I/O module board connected with 12th serial bus when the control power turned ON.	Setting error	Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode
		I/O module failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.

4234: COMMUNICATION TIMEOUT(IO MODULE) (continued)

Sub Code	Meaning	Cause	Remedy
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
13	An error was detected in communications timeout with the I/O module board connected with 13th serial bus when the control power turned ON.	Setting error	Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode
		I/O module failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe. Replace the controller, and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
14	An error was detected in communications timeout with the I/O module board connected with 14th serial bus when the control power turned ON.	Setting error	Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode
		I/O module failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
15	An error was detected in communications timeout with the I/O module board connected with 15th serial bus when the control power turned ON.	Setting error	Check the following settings. • The rotary switch setting which specifies slot numbers of each I/O module • I/O module settings in maintenance mode
		I/O module failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4234: COMMUNICATION TIMEOUT(IO MODULE) (continued)

Sub Code	Meaning	Cause	Remedy
16	An error was detected in communications timeout with the I/O module board connected with 1st PCIe connector when the control power turned ON.	Setting error	Check the following settings. • PCIe slot number in which each PCIe board is mounted • I/O module settings in maintenance mode
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following connector. • The PCIe connector of the corresponding I/O module
		I/O module failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the corresponding I/O module (PCI board). Save the CMOS.BIN before replace the corresponding I/O module (PCI board) to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
17	An error was detected in communications timeout with the I/O module board connected with 2nd PCIe connector when the control power turned ON.	Setting error	Check the following settings. • PCIe slot number in which each PCIe board is mounted • I/O module settings in maintenance mode
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following connector. • The PCIe connector of the corresponding I/O module
		I/O module failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the corresponding I/O module (PCI board). Save the CMOS.BIN before replace the corresponding I/O module (PCI board) to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
18	An error was detected in communications timeout with the I/O module board connected with 3rd PCIe connector when the control power turned ON.	Setting error	Check the following settings. • PCIe slot number in which each PCIe board is mounted • I/O module settings in maintenance mode
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following connector. • The PCIe connector of the corresponding I/O module
		I/O module failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the corresponding I/O module (PCI board). Save the CMOS.BIN before replace the corresponding I/O module (PCI board) to be safe.

4234: COMMUNICATION TIMEOUT(IO MODULE) (continued)

Sub Code	Meaning	Cause	Remedy
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
19	An error was detected in communications timeout with the I/O module board connected with 4th PCIe connector when the control power turned ON.	Setting error	Check the following settings. • PCIe slot number in which each PCIe board is mounted • I/O module settings in maintenance mode
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following connector. • The PCIe connector of the corresponding I/O module
		I/O module failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the corresponding I/O module (PCI board). Save the CMOS.BIN before replace the corresponding I/O module (PCI board) to be safe.
		ACP30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replace the controller to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4298: PROTECTED STOP SIGNAL ERROR

PROTECTED STOP signal is unmatched.

Sub Code	Meaning	Cause	Remedy
	PROTECTED STOP signal was unmatched for a certain time.	Connection failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4299: PROTECTED STOP SIGNAL DIAG. ERR.

An error is detected by ASF30 board in self diagnosis process of PROTECED STOP signal.

Sub Code	Meaning	Cause	Remedy
	Sub code indicates the process that the software of CPU1 or CPU2 detected an error.	ASF30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4300: VERIFY ERROR(SERVO PARAMETER)

The parameter input value is out of the allowable range.

Sub Code	Meaning	Cause	Remedy
		Setting error	1. Reset the alarm. 2. If the alarm occurs again, check whether the setting is within the allowable range.
		ACP31 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4301: CONTACTOR ERROR

The YRC1000micro system checks the status of the power-ON (PS01 board) contactors. This alarm occurs if there is an inconsistency between the control output and contactor status.
Ex.)

- The signal from the contactor turned OFF while the servo was ON.
- The contactor turned ON while the servo was OFF for emergency stop.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the physical No. of contactor in which the alarm occurred.	PS01 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4303: CONVERTER READY SIGNAL ERROR

The YRC1000micro system checks the converter status. This alarm occurs if the ready state signal of converter is not ON after a certain time period from SERVO ON.
This alarm occurs if the ready state signal of converter is not OFF after a certain time period from SERVO OFF.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the physical No. of converter in which the alarm occurred	Connection failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		PS01 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure(converter)	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4304: CONVERTER INPUT POWER ERROR

The YRC1000micro system checks the converter status.
No response of primary power supply input was sent from the converter when the servo turned ON.
The READY 1 signal remains ON when the servo turned OFF at emergency stop.
The READY 1 signal turned ON while the servo was OFF for emergency stop.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the physical No. of converter in which the alarm occurred	PS01 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Connection failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure(converter)	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4305: CONVERTER CIRCUIT CHARGE ERROR

The YRC1000micro system checks the converter charge status.
No response (READY 2 signal) of charge completion was sent from the converter when the servo turned ON.
The READY 2 signal turned OFF while the servo was ON.
The READY 2 signal remains ON when the servo turned OFF at emergency stop.
The READY 2 signal turned ON while the servo was OFF for emergency stop.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the physical No. of converter in which the alarm occurred	Connection failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure(converter)	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure (Regenerative resistor)	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4306: AMPLIFIER READY SIGNAL ERROR

No response "Power ON" was sent from the amplifier when the servo turned ON.
The amplifier READY signal turned OFF while the servo was ON.
The amplifier READY signal remains ON when the servo turned OFF at emergency stop.
The amplifier READY signal turned ON while the servo was OFF for emergency stop.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred	Connection failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure(converter)	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure(amplifier)	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4307: SERVO ON DEFECTIVE SPEED

This alarm occurs if any manipulator axis moves (or any motor operates) when the servo power turned ON.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred	Mechanical failure	Check that the manipulator is not moving when the servo turned ON.
		CBB board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Connection failure	1. Reset the alarm 2. If the alarm occurs again, check the connection and inserting state of the following cables and connectors. [Robot axis] • Power supply cable (Power cable) [External axis] • Power supply cable (Power cable)
		Module failure(motor)	1. Reset the alarm. 2. If the alarm occurs again, replace the motor.
		ACP31 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4308: VOLTAGE DROP(CONVERTER)

This alarm occurs if there is any error in the charge status of converter when the servo power turned ON.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the physical No. of converter in which the alarm occurred	Voltage failure	Check if the primary power supply voltage is dropping.
		Connection failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure(converter)	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4309: DEFECTIVE ENCODER INTERNAL DATA

This alarm occurs if there is an internal parameter error in serial encoder.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred	Connection failure	1. Reset the alarm. 2. If the alarm occurs again, check the connection and inserting state of the following cables and connectors. [Robot axis] • Cables between encoders [External axis] • Cables between encoders
		Module failure(encoder)	1. Reset the alarm. 2. If the alarm occurs again, replace the encoder.
		ACP31 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4310: ENCODER OVERHEAT

The encoder monitors its own temperature; if the temperature exceeds the specified value, the alarm occurs. Reset the alarm, and if the encoder detects overheat, the message of "the motor is overheating" is occurred.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred	Overheat(encoder)	Turn OFF the YRC1000micro power for approx. 10 minutes, then turn it ON again.
		High ambient temperature	Adjust the ambient temperature to 40degrees Celsius or less.
		Module failure(encoder)	1. Reset the alarm. 2. If the alarm occurs again, replace the encoder.
		ACP31 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4311: ENCODER BACK-UP ERROR

Encoder resetting (initialization) not completed.
The position data in the encoder was lost due to the voltage drop of encoder backup battery.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred	Module failure(encoder battery)	[AL-4314 occurred] Replace the battery of the axis in which the error occurred. [AL-1327 occurred] Replace the battery of the axis in which the alarm occurred. If the home position of the corresponding axis is displayed as "***", register the home position again. AL-1327 occurs due to the battery disconnection (weak battery), causing undefined alarm data. If the alarm doesn't occur after turning the power OFF and then ON, there is no problem.
		Connection failure	1. Reset the alarm. 2. If the alarm occurs again, check the connection and inserting state of the following cables and connectors. [Robot axis] • Cables between encoders [External axis] • Cables between encoders
		Module failure(encoder)	1. Reset the alarm. 2. If the alarm occurs again, replace the encoder.
		ACP31 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4312: ENCODER BATTERY ERROR

Encoder backup battery voltage is too low.
The voltage of the encoder backup battery is below 2.8V.

Sub Code	Meaning	Cause	Remedy
		Module failure(encoder battery)	Replace the battery.
		Connection failure	1. Reset the alarm. 2. If the alarm occurs again, check the connection and inserting state of the Manipulator cables.
		Module failure(motor)	1. Reset the alarm. 2. If the alarm occurs again, replace the motor.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4315: COLLISION DETECT

A collision was detected because of the interference between the manipulator and a peripheral device.
The external force applied to the robot exceeded the threshold.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred	Setting error	Check the following settings. • The tool information • The selection tap of the transfer • The collision detection level • JOB • Work • The speed of JOB • The acceleration/deceleration speed of ACC and DEC • Length of the power cables • Diameter of the power cables
		Interference error	Remove the following interferences. • The interferences to the jigs of Robot. • The interferences to the jigs of workpieces. • If there is no interference between robot and workpieces, set the shock detection level to more than maximum eternal value. Up to 500% can be set.
		Accelerration limit over	This alarm occurs when excessive load is applied to the motor upon the satisfactions of all the following conditions; • The acceleration/deceleration is automatically calculated by the manipulator's position at start/end point • The JOB is stopped by category 1 stop or HOLD stop • Compared to the start/end point, excessive load is applied to the motor according to the position <Remedy> Adjust the acceleration/deceleration by ACC and DEC for the teaching position. Also, make sure to run the machine enough before operation when this alarm occurrs at low temperature environment (ambient temperature: 10 degrees Celsius)
		Connection failure	1. Reset the alarm. 2. If the alarm occurs again, check the connection and inserting state of the Motor power wires.
		Connection failure	1. If the alarm occurs again, check the wiring of phase-U, -V, and -W isn't disconnected. 2. If disconnected, replace the motor power wire.
		Connection failure	1. Check that the motor brake wire is not disconnected. 2. If disconnected, replace the motor brake wire.
		ACP31 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure(amplifier)	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure(motor)	1. Reset the alarm. 2. If the alarm occurs again, replace the motor.

4315: COLLISION DETECT (continued)

Sub Code	Meaning	Cause	Remedy
		Maintenance failure	Measure the density of grease iron powder in the speed reducer and do the maintenance.
		Defective speed reducer	Replace the speed reducer or the grease of it.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4318: ENCODER CORRECTION LIMIT

This alarm occurs if the value generated from the position data of encoder exceeds the limit value.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred	Connection failure	1. Reset the alarm. 2. If the alarm occurs again, check the connection and inserting state of the following cables and connectors. [Robot axis] • Cable between encoders [External axis] • Cable between encoders
		Module failure(encoder)	1. Reset the alarm. 2. If the alarm occurs again, replace the encoder.
		ACP31 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4320: OVERLOAD(CONTINUE)

This alarm occurs to protect the servo motor from overloading when 110% to 150% of the rated torque is continuously loaded.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred	Setting error	Check the tools or the mass of the workpieces.
		Interference with peripheral devices	Check if the manipulator interferes with any objects such as workpieces or peripheral devices. If interferes, remove the object.
		Setting error	Review the JOB to check if the load factor doesn't exceed 100%.
		ACP31 board failure	1. Check the power is applied to the brakevoltage of the Motor brake terminal. 2. If any error is found, replace replace the controller. Save the CMOS.BIN before replacement to be safe.
		PS01 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.

4320: OVERLOAD(CONTINUE) (continued)

Sub Code	Meaning	Cause	Remedy
		Module failure(motor)	1. Reset the alarm. 2. If the alarm occurs again, replace the motor.
		Connection failure	1. Reset the alarm. 2. If the alarm occurs again, replace the wire harnesses in the robot.
		ACP31 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4321: OVERLOAD(MOMENT)

This alarm occurs instantly to protect the servo motor from overloading when 200% of the rated torque is loaded.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred	Setting error	Check the tools or the mass of the workpieces.
		Interference with peripheral devices	Check if the manipulator interferes with any objects such as workpieces or peripheral devices. If interferes, remove the object.
		Setting error	Review the JOB to check if the load factor doesn't exceed 100%.
		ACP31 board failure	1. Check the power is applied to the brakevoltage of the Motor brake terminal. 2. If any error is found, replace replace the controller. Save the CMOS.BIN before replacement to be safe.
		PS01 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure(motor)	1. Reset the alarm. 2. If the alarm occurs again, replace the motor.
		Connection failure	1. Reset the alarm. 2. If the alarm occurs again, replace the wire harnesses in the robot.
		ACP31 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4322: AMPLIFIER OVERLOAD(CONTINUE)

This alarm occurs to protect the power transistor of the servo pack from overloading when 110% to 150% of the rated torque is continuously loaded.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred	Setting error	Check the tools or the mass of the workpieces.
		Interference with peripheral devices	Check if the manipulator interferes with any objects such as workpieces or peripheral devices. If interferes, remove the object.
		Setting error	Review the JOB to check if the load factor doesn't exceed 100%.
		ACP31 board failure	1. Check the power is applied to the brakevoltage of the Motor brake terminal. 2. If any error is found, replace replace the controller. Save the CMOS.BIN before replacement to be safe.
		PS01 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure(amplifier)	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Connection failure	1. Reset the alarm. 2. If the alarm occurs again, replace the wire harnesses in the robot.
		ACP31 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4323: AMPLIFIER OVERLOAD(MOMENT)

The torque a several times as much as the motor rated torque has continuously been applied for a certain period.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred	Setting error	Check the tools or the mass of the workpieces.
		Interference with peripheral devices	Check if the manipulator interferes with any objects such as workpieces or peripheral devices. If interferes, remove the object.
		Setting error	Review the JOB to check if the load factor doesn't exceed 100%.
		ACP31 board failure	1. Check the power is applied to the brakevoltage of the Motor brake terminal. 2. If any error is found, replace replace the controller. Save the CMOS.BIN before replacement to be safe.
		PS01 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.

4323: AMPLIFIER OVERLOAD(MOMENT) (continued)

Sub Code	Meaning	Cause	Remedy
		Module failure(amplifier)	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Connection failure	1. Reset the alarm. 2. If the alarm occurs again, replace the wire harnesses in the robot.
		ACP31 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4324: CONVERTER OVERLOAD

The total load value of all the motors connected to the converter exceeded the converter rating.

Sub Code	Meaning	Cause	Remedy
		Setting error	1. Confirm that the tool and workpiece in use don't exceed the permissible load. 2. Adjust the JOB speed.
		Module failure(converter)	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4326: OVER SPEED

This alarm occurs if the motor speed indicated in the axis data exceeds the allowable maximum motor speed.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred	Setting error	If the alarm occurs at the same site, set the lower motion speed around the site where the alarm occurs.
		Connection failure	1. Reset the alarm.(In case of major alarm, turn the power OFF then back ON.) 2. If the alarm occurs again, check the wiring of phase-U, -V, and -W is correct.
		Module failure(motor)	1. Reset the alarm. 2. If the alarm occurs again, replace the motor.

4326: OVER SPEED (continued)

Sub Code	Meaning	Cause	Remedy
		ACP31 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4327: WRONG MOTOR ROTATION

While the motor is accelerating, the direction of the torque and the speed was detected as being the opposite of what it was supposed to be.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred	Connection failure	1. Reset the alarm. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • Motor power cable • Encoder cable
		ACP31 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4328: SERVO TRACKING ERROR

The axis deviated from the specified position and motion path beyond the allowable range.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred	Setting error	Check the following settings. • The settings of the tool files • The mass of the tools or the workpieces
		Interference error	Check if the manipulator interferes with any objects such as workpieces or peripheral devices. If interferes, remove the object.
		Accelerration limit over	This alarm occurs when excessive load is applied to the motor upon the satisfactions of all the following conditions; • The acceleration/deceleration is automatically calculated by the manipulator's position at start/end point • The JOB is stopped by category 1 stop or HOLD stop • Compared to the start/end point, excessive load is applied to the motor according to the position <Remedy> Adjust the acceleration/deceleration by ACC and DEC for the teaching position. Also, make sure to run the machine enough before operation when this alarm occurrs at low temperature environment (ambient temperature: 10 degrees Celsius)

4328: SERVO TRACKING ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		Connection failure	1. Reset the alarm. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • Motor power wiring • Power supply cable (Power cable)
		ACP31 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		PS01 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure(amplifier)	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure(motor)	1. Reset the alarm. 2. If the alarm occurs again, replace the motor.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4329: SAFETY SPEED ERROR(SERVO)

This alarm occurs if the motion speed at the center of the control point and the center of the flange exceeded the specified max. speed.

Sub Code	Meaning	Cause	Remedy
111	The motion speed at the center of the flange exceeded the specified max. speed. (R1)	Setting error	If the alarm occurs at the same site, set the lower motion speed around the site where the alarm occurs.
		Software operation error occurred	Reset the alarm, and then try again.
		Connection failure	1. Reset the alarm. 2. If the alarm occurs again, check that U-, V- and W-phase are appropriately connected.
		Module failure(motor)	1. Reset the alarm. 2. If the alarm occurs again, replace the motor.
		ACP31 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
112	The motion speed at the center of the flange exceeded the specified max. speed. (R1)	Setting error	If the alarm occurs at the same site, set the lower motion speed around the site where the alarm occurs.
		Software operation error occurred	Reset the alarm, and then try again.

4329: SAFETY SPEED ERROR(SERVO) (continued)

Sub Code	Meaning	Cause	Remedy
		Connection failure	1. Reset the alarm. 2. If the alarm occurs again, check that U-, V- and W-phase are appropriately connected.
		Module failure(motor)	1. Reset the alarm. 2. If the alarm occurs again, replace the motor.
		ACP31 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
121	The motion speed at the center of the control point exceeded the specified max. speed. (R1)	Setting error	If the alarm occurs at the same site, set the lower motion speed around the site where the alarm occurs.
		Software operation error occurred	Reset the alarm, and then try again.
		Connection failure	1. Reset the alarm. 2. If the alarm occurs again, check that U-, V- and W-phase are appropriately connected.
		Module failure(motor)	1. Reset the alarm. 2. If the alarm occurs again, replace the motor.
		ACP31 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
122	The motion speed at the center of the control point exceeded the specified max. speed. (R1)	Setting error	If the alarm occurs at the same site, set the lower motion speed around the site where the alarm occurs.
		Software operation error occurred	Reset the alarm, and then try again.
		Connection failure	1. Reset the alarm. 2. If the alarm occurs again, check that U-, V- and W-phase are appropriately connected.
		Module failure(motor)	1. Reset the alarm. 2. If the alarm occurs again, replace the motor.
		ACP31 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
211	The motion speed at the center of the flange exceeded the specified max. speed. (R2)	Setting error	If the alarm occurs at the same site, set the lower motion speed around the site where the alarm occurs.
		Software operation error occurred	Reset the alarm, and then try again.

4329: SAFETY SPEED ERROR(SERVO) (continued)

Sub Code	Meaning	Cause	Remedy
		Connection failure	1. Reset the alarm. 2. If the alarm occurs again, check that U-, V- and W-phase are appropriately connected.
		Module failure(motor)	1. Reset the alarm. 2. If the alarm occurs again, replace the motor.
		ACP31 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
212	The motion speed at the center of the flange exceeded the specified max. speed. (R2)	Setting error	If the alarm occurs at the same site, set the lower motion speed around the site where the alarm occurs.
		Software operation error occurred	Reset the alarm, and then try again.
		Connection failure	1. Reset the alarm. 2. If the alarm occurs again, check that U-, V- and W-phase are appropriately connected.
		Module failure(motor)	1. Reset the alarm. 2. If the alarm occurs again, replace the motor.
		ACP31 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
221	The motion speed at the center of the control point exceeded the specified max. speed. (R2)	Setting error	If the alarm occurs at the same site, set the lower motion speed around the site where the alarm occurs.
		Software operation error occurred	Reset the alarm, and then try again.
		Connection failure	1. Reset the alarm. 2. If the alarm occurs again, check that U-, V- and W-phase are appropriately connected.
		Module failure(motor)	1. Reset the alarm. 2. If the alarm occurs again, replace the motor.
		ACP31 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
222	The motion speed at the center of the control point exceeded the specified max. speed. (R2)	Setting error	If the alarm occurs at the same site, set the lower motion speed around the site where the alarm occurs.
		Software operation error occurred	Reset the alarm, and then try again.

4329: SAFETY SPEED ERROR(SERVO) (continued)

Sub Code	Meaning	Cause	Remedy
		Connection failure	1. Reset the alarm. 2. If the alarm occurs again, check that U-, V- and W-phase are appropriately connected.
		Module failure(motor)	1. Reset the alarm. 2. If the alarm occurs again, replace the motor.
		ACP31 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4331: SPEED MONITOR LEVEL ERROR

The speed monitor level is incorrect.

Sub Code	Meaning	Cause	Remedy
		ACP31 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4336: OPEN PHASE(CONVERTER)

This alarm occurs if there is an open phase in the converter input power.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the physical No. of converter in which the alarm occurred	Connection failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Voltage failure	Modify the primary breaker voltage to the specified voltage 200V(+10% to 15%).
		PS01 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure(converter)	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4337: OVERCURRENT(AMP)

This alarm occurs if a current exceeding the allowable maximum current is applied for amplifier.
As a cause of the alarm, a ground fault in the U, V, or W wire, or a short circuit between these wires is suspected.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred	Connection failure	1. Reset the alarm. 2. If the alarm occurs again, check the connection and inserting state of the Motor power wires.
		Connection failure	1. Reset the alarm. 2. If the alarm occurs again, replace the following cables. • Manipulator cable • Supply cable
		Module failure(amplifier)	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure(motor)	1. Reset the alarm. 2. If the alarm occurs again, replace the motor.
		ACP31 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4340: TEMPERATURE ERROR(CONVERTER)

This alarm occurs if the converter temperature monitored by the YRC1000micro system exceeds the specified value.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the physical No. of converter in which the alarm occurred	Install failure	Check that the air inlet or outlet is not blocked.
		High ambient temperature	Adjust the ambient temperature to 40 degrees Celsius or less.
		Voltage failure	Modify the primary breaker voltage to the specified voltage 200V(+10% to 15%).
		Connection failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure(converter)	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4344: LINEAR SERVOFLOAT TRACKING ERROR

The deviation of X, Y, and Z-axis exceeded the allowable limit while the linear servo float was in execution.

Sub Code	Meaning	Cause	Remedy
		Setting error	1. Check the settings for jobs. 2. Reset the alarm.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4345: LNK SERVOFLOAT EXECUTE ERROR

Request of the link servo float execution was sent to an axis where the linear servo float is executing.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred	Setting error	1. Check the settings for jobs. 2. Reset the alarm.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4346: LNK SERVOFLOAT TRQ LIMIT ERROR

The limit torque of the link servo float condition file is outside the specified range.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred	Setting error	1. Check the limit torque of the link servo float condition file. 2. Reset the alarm.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4347: LNR SERVOFLOAT TRQ LIMIT ERROR

The limit torque of the linear servo float condition file is outside the specified range.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred	Setting error	1. Check the limit torque of the link servo float condition file. 2. Reset the alarm.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4348: LNR SERVOFLOAT COORD TYPE ERROR

While the linear servo float was in execution, another request of linear servo float execution was sent with a different coordinates specified.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies linear servo float condition file number in which the alarm occurred	Setting error	1. Check the setting file of the job and the linear servo float. 2. Reset the alarm.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4349: LNR SERVOFLOAT TOOL POSE ERROR

Another request of the linear servo float execution with a different tool orientation control specified was sent to an axis where the linear servo float is executing.

Sub Code	Meaning	Cause	Remedy
		Setting error	1. Check the setting file of the job and the linear servo float. 2. Reset the alarm.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4350: LNR SERVOFLOAT EXECUTE ERROR

Request of the linear servo float execution was sent to an axis where the link servo float is executing.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred	Setting error	1. Check the settings for jobs. 2. Reset the alarm.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4351: DRIVE BELT SNAP DETECT

The driving belt may be disconnected because the torque decreased below the normal value.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred	Driving belt failure	1. Check that the driving belt is not broken. 2. If the driving belt is broken, replace the driving belt.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4352: TWIN DRIVE OVER DEVIATION

The deviation of the position error pulse from the twin drive axis exceeded the allowable limit with twin drive function.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred	Connection failure	1. Reset the alarm. 2. If the alarm occurs again, check the connection and inserting state of the Motor power wires.
		Connection failure (motor power)	1. If the alarm occurs again, check the wiring of phase-U, -V, and -W isn't disconnected. 2. If disconnected, replace the motor power wire.
		Connection failure (motor brake)	1. Check that the motor brake wire is not disconnected. 2. If disconnected, replace the motor brake wire.
		ACP31 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure(amplifier)	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure(motor)	1. Reset the alarm. 2. If the alarm occurs again, replace the motor.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4353: DEFECTIVE TAUGHT POINT(ENDLESS)

This alarm occurs if the feedback pulse count of endless operation axis exceeds the allowable maximum pulse count (229 = 536, 870, 912).

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred	Setting error	Check the following settings. • Setting of the command soft (JOB) • MRESET instruction to corresponding axis
		ACP31 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4355: EXTERNAL PRES DETECT(SERVOFLOAT)

An external force above the threshold was detected on the servo-float executing axis.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred	Setting error	Check the settings for jobs.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4356: ARM CTRL PARAMETER ERR(OBSERVER)

The search of motor-gun equalizing function cannot be executed because no observer (including collision detection) is specified.

Sub Code	Meaning	Cause	Remedy
		Setting error	Check the settings for jobs.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4357: IMPOSSIBLE SRCH(EQUALIZE TEACH)

The manipulator orientation at the execution of search of the motor-gun equalizing function is the orientation for the singular point.

Sub Code	Meaning	Cause	Remedy
		Setting error	Check the settings for jobs.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4359: CONVERTER ERROR

An error occurred in the converter.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the physical No. of converter in which the alarm occurred	Connection failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure(converter)	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4371: SYSTEM ERROR(SERVO)

Error at the ACP31 boards

Sub Code	Meaning	Cause	Remedy
33	Robot did not rearch the command position within a certain time period.	Setting error	Check the parameter setting value.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4371: SYSTEM ERROR(SERVO) (continued)

Sub Code	Meaning	Cause	Remedy
161	Automatic test data error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
180	The tool numer is out of range.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
250	Control filter error.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
260	Control filter error.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
261	Control filter error.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7101	The override ratio is invalid.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7102	The override ratio is invalid.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7103	The override ratio is invalid.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7104	The override ratio is invalid.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7105	The override ratio is invalid.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7106	The override ratio is invalid.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7107	The override ratio is invalid.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4371: SYSTEM ERROR(SERVO) (continued)

Sub Code	Meaning	Cause	Remedy
7108	The override ratio is invalid.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7109	The override ratio is invalid.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7301	The speed ratio is invalid.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7302	The speed ratio is invalid.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7303	The speed ratio is invalid.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7304	The speed ratio is invalid.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7305	The speed ratio is invalid.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7306	The speed ratio is invalid.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7307	The speed ratio is invalid.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7308	The speed ratio is invalid.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7309	The speed ratio is invalid.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7700	The pullback was executed when the shock detection function was invalid.	Setting error	Check the following settings. Shock Detection Function. Pullback signal

4371: SYSTEM ERROR(SERVO) (continued)

Sub Code	Meaning	Cause	Remedy
		Setting error	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
8111	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8112	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8113	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8114	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8115	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8816	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8817	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8818	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4371: SYSTEM ERROR(SERVO) (continued)

Sub Code	Meaning	Cause	Remedy
8819	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8121	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8122	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8123	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8124	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8125	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8126	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8127	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8128	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4371: SYSTEM ERROR(SERVO) (continued)

Sub Code	Meaning	Cause	Remedy
8129	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8131	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8132	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8133	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8134	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8135	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8136	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8137	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8138	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4371: SYSTEM ERROR(SERVO) (continued)

Sub Code	Meaning	Cause	Remedy
8139	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8141	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8142	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8143	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8144	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8145	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8146	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8147	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8148	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4371: SYSTEM ERROR(SERVO) (continued)

Sub Code	Meaning	Cause	Remedy
8149	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8151	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8152	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8153	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8154	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8155	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8156	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8157	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8158	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4371: SYSTEM ERROR(SERVO) (continued)

Sub Code	Meaning	Cause	Remedy
8159	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8161	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8162	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8163	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8164	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8165	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8166	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8167	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8168	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4371: SYSTEM ERROR(SERVO) (continued)

Sub Code	Meaning	Cause	Remedy
8169	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8171	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8172	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8173	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8174	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8175	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8176	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8177	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8178	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4371: SYSTEM ERROR(SERVO) (continued)

Sub Code	Meaning	Cause	Remedy
8179	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8181	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8182	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8183	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8184	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8185	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8186	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8187	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8188	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4371: SYSTEM ERROR(SERVO) (continued)

Sub Code	Meaning	Cause	Remedy
8189	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8191	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8192	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8193	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8194	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8195	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8196	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8197	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8198	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4371: SYSTEM ERROR(SERVO) (continued)

Sub Code	Meaning	Cause	Remedy
8199	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8200	The data error of ROBOT DUTY DIAGNOSIS FUNCTION was detected. (Sub Code: Signifies the data type and the axis in which the alarm occurred)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4378: CANNOT EXECUTE BRAKE LINE CHECK

This alarm occurs if any axis moves (i.e. falls by its own weight)

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred	Connection failure	Check the brake connection.
	other	Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4379: SAFETY RELAY ERROR(SERVO)

An feedback error of the output of STO signal is detected by ACP31 board in diagnosis process.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the control axis number which detected an error	Setting error	Check the settings for CONNECTION(STO/CONTACTOR) in maintenance mode
		Connection failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
	other	Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4398: PULSE LIMIT(SERVO)

The speed control axis exceeded its pulse limit.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Control group and axis	Setting error	Check the following settings. • Perform the teaching again to correct positions for manipulators so that the step where the alarm occurred is within the motion range.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4399: SERVO TRACKING ERROR(LOW)

The axis deviated from the specified position and motion path beyond the allowable range.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred	Setting error	Check the following settings. • The settings of the tool files • The mass of the tools or the workpieces
		Interference error	Check if the manipulator interferes with any objects such as workpieces or peripheral devices. If interferes, remove the object.
		Accelerration limit over	This alarm occurs when excessive load is applied to the motor upon the satisfactions of all the following conditions; • The acceleration/deceleration is automatically calculated by the manipulator's position at start/end point • The JOB is stopped by category 1 stop or HOLD stop • Compared to the start/end point, excessive load is applied to the motor according to the position <Remedy> Adjust the acceleration/deceleration by ACC and DEC for the teaching position. Also, make sure to run the machine enough before operation when this alarm occurrs at low temperature environment (ambient temperature: 10 degrees Celsius)
		Connection failure	1. Reset the alarm. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • Motor power wiring • Power supply cable (Power cable)
		ACP31 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		PS01 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure(amplifier)	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.

4399: SERVO TRACKING ERROR(LOW) (continued)

Sub Code	Meaning	Cause	Remedy
		Module failure(motor)	1. Reset the alarm. 2. If the alarm occurs again, replace the motor.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4400: NOT READY (ARITH)

The arithmetic process section was not completed within the specified time.

Sub Code	Meaning	Cause	Remedy
1	The arithmetic process for motion control did not complete within regulated time. No motion command was prepared.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	The arithmetic processing section is not ready for JOG operation.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	The arithmetic processing section is not ready for the playback operation.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	The prereading processing in the arithmetic processing section has not completed.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
5	The arithmetic processing section is not ready for the timer follow-up of the conveyor tracking function.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
6	The prereading processing in the arithmetic processing section has not completed when specifying the target position.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7	The prereading processing in the arithmetic processing section has not completed.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4401: SEQUENCE TASK CONTR ERROR

An error occurred in job execution process.

Sub Code	Meaning	Cause	Remedy
1	Unused A_BANK does not exist in the prereading processing of move instruction.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	Unused bank priority does not exist in the prereading processing of move instruction.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
5	A_BANK pointer is not set.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
6	A_BANK conversion could not be performed.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7	The specified A_BANK number does not exist.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
20	An error occurred when system number (MSS) was obtained.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
21	An error occurred in RMS960 system call.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
22	Undefined interrupt command was received.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
23	Job start condition is not defined.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
24	An error occurred in instruction prefetch queue operation.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
26	Intermediate code is not defined.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
29	Instruction prereading processing has not been completed normally.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4401: SEQUENCE TASK CONTR ERROR (continued)

Sub Code	Meaning	Cause	Remedy
30	An error occurred in job data change.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
31	The specified sequence number at job execution start is incorrect.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
32	The added area for interruption command is incorrect.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
33	System number (MSS) for interruption command is incorrect.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
38	An error occurred at start of twin synchronous operation.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
39	An error occurred when SYNC specification was reset.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
41	An error occurred in occupation control group setting in MOTION section.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
45	An error occurred in path/trace control.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
47	An error occurred when waiting for a completion of main system task (job) in SYNC specification.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
48	An attempt was made to execute an instruction that could not be executed at line sequence execution.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
49	An error occurred while obtaining the instruction information.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
80	An exceptional error occurred in job execution process.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4401: SEQUENCE TASK CONTR ERROR (continued)

Sub Code	Meaning	Cause	Remedy
100	Main processing command is incorrect in prereading processing.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
101	Subprocessing command is incorrect in prereading processing.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
102	Prereading processing has not been completed at job execution.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
103	A_BANK conversion has not been completed.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
104	System number (MSS) is incorrect in prereading processing.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
105	An error occurred in instruction prefetch queue operation in prereading processing.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
106	An error occurred at IES switching in prereading processing.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4402: UNDEFINED COMMAND(ARITH)

An undefined command or unused command was issued to the path control section.

Sub Code	Meaning	Cause	Remedy
		Software operation error Setting error	1. Reset the alarm, and then try again. 2. Check the following settings. • the base-axis position must be registered for the system with base-axis MOVL P00001 BP00001 3. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4403: UNDEFINED IOSPDCTRL HOME POS

The Home Position is not registered.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Control group	Setting error	Register the home position for IOSPDCTRL axis.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4404: ARITHMETIC ERROR

An error occurred in the arithmetic process for coordinates.

Sub Code	Meaning	Cause	Remedy
8	Interpolation such as linear and circular interpolation cannot be performed with this manipulator.	Setting error	Change the step (move instruction), where the alarm occurred, to MOVJ.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
10	The setting of the form data for Flip/No Flip is not "B-axis Angle. "	Setting error	Set "1" to "S2C658: Type data detail settings".
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
11	An attempt was made to pass the B-axis zero degree position (singular area).	Setting error	Check the teaching position of the job so that the manipulator does not pass the B-axis zero degree position (singular area).
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
12	An attempt was made to pass the B-axis zero degree position (singular area) during interpolation.	Setting error	Check the teaching position of the job so that the manipulator does not pass the B-axis zero degree position (singular area).
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
13	Wrist axis tended to rotate to the inverse with the teaching direction.	Setting error	Check the teaching position of the job so that a wrist axis does not inverse rotation.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4406: GROUP AXIS CONTROL ERROR

An internal control error occurred in a coordinated motion.

Sub Code	Meaning	Cause	Remedy
1	Designation error for master and slave	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	Slave designation error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	Slave interpolation error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	No designation of master axis	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
6	Master-axis designation error for JOG motion	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7	Slave-axis designation error for JOG motion	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8	Occupation control error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
9	Designation error of occupation control for JOG motion	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
10	Designation error of occupation control for Bank position	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
11	Designation error of occupation control group for tracking motion	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
12	No master and slave designated for tracking motion	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4407: TWO STEPS SAME POSITION(CIRC)

Among three taught points in a circular interpolation step, two or three points are on the same point.

Sub Code	Meaning	Cause	Remedy
		Setting error	Check the settings for teaching position of circular interpolation steps so that each point is different.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4408: TWO STEPS SAME POSITION(SPLINE)

Among three taught points in a spline interpolation step, two or three points are on the same point.

Sub Code	Meaning	Cause	Remedy
		Setting error	Check the settings for teaching position of spline interpolation step so that each point is different.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4409: TWO STEPS SAME POSITION(3 STEPS)

Among three taught points to create an user coordinate system, two or three points are on the same point.

Sub Code	Meaning	Cause	Remedy
		Setting error	Check the settings for three taught points to create an user coordinate system so that each point is different.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4410: TWO STEPS SAME POSITION(WEAV)

Among three taught points (start, end, and reference points) to create a weaving coordinate system, two or three points are on the same point.

Sub Code	Meaning	Cause	Remedy
		Setting error	Check the settings for taught points (start, end, and reference points) so that each point is different.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4411: TEACH ERROR(SPLINE)

The distance between the teaching points in the spline interpolation section is not equidistant.

Sub Code	Meaning	Cause	Remedy
		Setting error	Check the settings for the teaching position of spline interpolation section so that the distance between the teaching points is even.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4412: IMPOSSIBLE LINEAR MOTION(L/U)

In case the form (folded direction) of L- and U-axes at start point and end point are different except for MOVJ instructions, the manipulator cannot move.

Sub Code	Meaning	Cause	Remedy
		Setting error	Check the following settings. • Perform the teaching again to make the form of L- and U-axes same at start point and end point. • Use a MOVJ instruction again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4413: IMPOSSIBLE LINEAR MOTION(S/L)

In case the form (folded direction) of S- and L-axes at start point and end point are different except for MOVJ instructions, the manipulator cannot move.

Sub Code	Meaning	Cause	Remedy
		Setting error	Check the following settings. • Perform the teaching position again to make the form of S- and L-axes same at start point and end point. Use a MOVJ instruction again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4414: EXCESSIVE SEGMENT (LOW/HIGH)

This alarm occurs if the operation command which exceeds the designated max. speed is output.
It may occur when the robot operates near the singular point or when the robot is going to change its orientation widely with single control point.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Control group and axis	Setting error	1. Reduce the speed in the step where the alarm occurred. 2. Change the move instruction to joint interpolation (MOVJ). * Be careful to the peripheral interference since its movement changes.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4416: PULSE LIMIT(MIN./MAX.)

The manipulator exceeded its motion limit (pulse limit) in the negative (-) and the positive (+) direction.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Control group and axis	Setting error	Perform the teaching again to correct positions for manipulators so that the step where the alarm occurred is within the motion range.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4418: CUBE LIMIT(MIN./MAX.)

The manipulator TCP exceeded its motion limit (cube limit) in the negative (-) direction.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Control group and XYZ	Setting error	Perform the teaching again to correct positions for manipulators so that the step where the alarm occurred is within the motion range.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4420: SPECIAL SOFTLIMIT(MIN./MAX.)

The manipulator exceeded its motion limit (special software limit) in the negative (-) and the positive (+) direction.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Control group and axis	Setting error	Perform the teaching again to correct positions for manipulators so that the step where the alarm occurred is within the motion range.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4422: MECHANICAL INTERFERENCE(MIN./MAX.)

Links interfered between manipulators.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Control group and axis	Setting error	Perform the teaching again to correct positions for manipulators so that the step where the alarm occurred is within the motion range.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4424: SPECIAL MECHANICAL INTRF(MIN./MAX.)

Links interfered between manipulators.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Control group and axis	Setting error	Perform the teaching again to correct positions for manipulators so that the step where the alarm occurred is within the motion range.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4426: PULSE MECHANICAL LIMIT(MIN./MAX.)

The manipulator exceeded its motion limit (mechanical limit) in the negative (-) and the positive (+) direction.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Control group and axis	Setting error	Perform the teaching again to correct positions for manipulators so that the step where the alarm occurred is within the motion range.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4428: SEGMENT CONTROL ERROR

An error occurred in the segment processing section that controls the arithmetic section.

Sub Code	Meaning	Cause	Remedy
1	RT-buffer control command error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	Segment-receiving control command error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	No bank priority	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4428: SEGMENT CONTROL ERROR (continued)

Sub Code	Meaning	Cause	Remedy
4	Answer error at MOVE simulating	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
5	The value of bank_refresh_flag (x) exceeded its limit.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8	RT-buffer tracking option error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
9	The segment was received although the previous segment had not been sent.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4429: WRONG SPECIFIED CONTROL GROUP

An error occurred in the manipulator information at job execution.

Sub Code	Meaning	Cause	Remedy
1	Control group not designated	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	Slave control-group error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	Master control-group error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	Master and Slave control-group error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
5	Control-group error for a job file	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
6	Control-group error for a user coordinate file	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7	Control-group error for a calibration file between manipulators	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4429: WRONG SPECIFIED CONTROL GROUP (continued)

Sub Code	Meaning	Cause	Remedy
8	Control-group error for a tool calibration file	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
10	Control-group error for prereading-calculation start point (for adv_st_pos)	Software operation error occurred	1. Reset the alarm, and re-select the job from [select job] window before starting the job again . 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
11	Control-group error for the current-value preset position	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
12	Control-group error for the conveyor prereading-calculation start point	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
13	Occupation control-group error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
15	Control-group error for servo hand	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
18	Control-group error for the prereading-calculation start point (for dm_st_pos)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
19	Control-group error for prereading-calculation start point (for dm_st_pos)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4430: CPU COMMUNICATION ERROR

An error occurred in interrupt process between CPUs.

Sub Code	Meaning	Cause	Remedy
1	Interrupt processing error between MOTION section and system control section	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	Interrupt processing error between MOTION section and SL#1	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4430: CPU COMMUNICATION ERROR (continued)

Sub Code	Meaning	Cause	Remedy
3	Interrupt processing error between MOTION section and SL#2	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	Interrupt processing error between MOTION section and SL#3	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
5	Interrupt processing error between MOTION section and SL#4	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
6	Interrupt processing error between MOTION section and SL#5	Software operation error occurred	1. Reset the alarm and then try again. 2. Turn the power OFF then back ON, and try again.
		Setting error	In case of the alarm occurred after executing SKILLSND or MACRO instruction, it may cause by MotoPlus application not to run. Check the following items under the maintenance mode. • there should be [MotoPlus APL.] on main menu. • Open screen [MotoPlus APL.] -> [FILE LIST]. Suitable MotoPlus application should be on the list. • Open screen [MotoPlus APL.] -> [MotoPlus FUNC. SETTING]. "APPLI. AUTOSTART AT POWER ON" should be "ENABLE".
		Setting error	In case of the alarm occurred after executing SKILLSND or MACRO instruction, it may cause by MotoPlus application couldn't return the response for the SKILLSND or the MACRO. Check the MotoPlus application program to make sure of mpEndSkillCommandProcess() definitely execution after executing mpReceiveSkillCommand().
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7	Interrupt processing error between MOTION section and SL#6	Software operation error occurred	1. Reset the alarm and then try again. 2. Turn the power OFF then back ON, and try again.
		Setting error	In case of the alarm occurred after executing SKILLSND or MACRO instruction, it may cause by MotoPlus application not to run. Check the following items under the maintenance mode. • there should be [MotoPlus APL.] on main menu. • Open screen [MotoPlus APL.] -> [FILE LIST]. Suitable MotoPlus application should be on the list. • Open screen [MotoPlus APL.] -> [MotoPlus FUNC. SETTING]. "APPLI. AUTOSTART AT POWER ON" should be "ENABLE".
		Setting error	In case of the alarm occurred after executing SKILLSND or MACRO instruction, it may cause by MotoPlus application couldn't return the response for the SKILLSND or the MACRO. Check the MotoPlus application program to make sure of mpEndSkillCommandProcess() definitely execution after executing mpReceiveSkillCommand().

4430: CPU COMMUNICATION ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8	Interrupt processing error between MOTION section and SL#7	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
9	Interrupt processing error between MOTION section and SL#8	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
10	Interrupt processing error between MOTION section and CV#1	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
11	Interrupt processing error between MOTION section and CV#2	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
12	Interrupt processing error between MOTION section and PS#1	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
13	Interrupt processing error between MOTION section and PS#2	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4431: JHM ERROR

Data error occurred in job control process.

Sub Code	Meaning	Cause	Remedy
1	An error occurred in JMS system call when an attempt was made to open a job.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	No space was found in job handle value storage area when an attempt was made to open a job.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	No job handle was found.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	Job control proprietary is incorrect.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4431: JHM ERROR (continued)

Sub Code	Meaning	Cause	Remedy
5	Job control proprietary could not be changed.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
6	An error occurred in exclusive control.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4432: INSTRUCTION INTERPRETER ERROR

An error occurred in instruction interpretation/execution process.

Sub Code	Meaning	Cause	Remedy
1	The intermediate code of the instruction that is to be executed is incorrect.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	Destination (variable) tag arrangement is incorrect.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	Tag data type is incorrect.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
5	Box number is incorrect.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
6	An error occurred in block separation processing of intermediate code.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8	Box number definition is duplicated.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
9	Undefined instruction was found at block separation of intermediate code.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
10	IPRM is not set.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
11	An error occurred in tag data search process.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4432: INSTRUCTION INTERPRETER ERROR (continued)

Sub Code	Meaning	Cause	Remedy
12	An error occurred move instruction search process.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
14	Variable information does not exist.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
16	An error occurred at position file data reading.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
17	Variable data type is not defined.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
18	An instruction is included with incorrect intermediate code in expression instruction.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
19	The syntax in expression instruction is incorrect.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
20	The tag data length is zero when tag data is read.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
21	The necessary tag data is not set.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
22	The object to be processed was secret variable in position file control process, so it could not be processed.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
23	The object to be processed was position type variable in position file control process, so it could not be processed.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
24	Job argument settings do not match when a variable is given and/or taken between jobs.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
25	An attempt was made to perform undefined operation at four-rule operation instruction.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4432: INSTRUCTION INTERPRETER ERROR (continued)

Sub Code	Meaning	Cause	Remedy
26	Arithmetic stack used for expression operation exceeded.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
27	Arithmetic stack used for expression operation is empty.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
28	Operation items are lacking in expression operation and operation processing cannot be performed.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
29	The number of executing the sub-instruction with EXEC processing exceeded the maximum number.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
30	An error occurred by the setting of the character-string type variable in the ARGF instruction.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
31	The intermediate code of IFEXPRESS instruction is incorrect.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
32	The syntax of IFEXPRESS instruction is incorrect.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
33	The number of components of the IFEXPRESS instruction exceeded.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
34	The stack used for executing the IFEXPRESS instruction overflowed.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
35	The stack used for executing the IFEXPRESS instruction did underflow.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
36	The reinterpretation of the instruction was ordered when executing the instruction.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
37	Tag data (box number) of the instruction that is to be executed is not supported.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4432: INSTRUCTION INTERPRETER ERROR (continued)

Sub Code	Meaning	Cause	Remedy
38	VARGF is not set.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
254	Access mechanism for old parameters is used.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
255	An exceptional error occurred.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4433: UNDEFINED GLOBAL VARIABLE

The global variable is not defined.

Sub Code	Meaning	Cause	Remedy
0	The set data for byte type variable area is incorrect.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1	The set data for integer type variable area is incorrect.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	The set data for double-precision integer-type variable area is incorrect.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	The set data for real type variable area is incorrect.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	The set data for character-string type variable area is incorrect.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
5	The set data for robot-axis position-type variable area is incorrect.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
6	The set data for base-axis position-type variable (S1D parameter) area is incorrect.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7	The set data for station-axis position-type variable (S1D parameter) area is incorrect.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4435: UNDEFINED LOCAL-VARIABLE

The local variable is not defined.

Sub Code	Meaning	Cause	Remedy
0	The byte type variable is not defined.	Setting error	Set the number of local variables to be used in the job header.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1	The integer type variable is not defined.	Setting error	Set the number of local variables to be used in the job header.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	The double-precision integer-type variable is not defined.	Setting error	Set the number of local variables to be used in the job header.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	The real-number type variable is not defined.	Setting error	Set the number of local variables to be used in the job header.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	The character-string type variable is not defined.	Setting error	Set the number of local variables to be used in the job header.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
5	The robot-axis position-type variable is not defined.	Setting error	Set the number of local variables to be used in the job header.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
6	The base-axis position-type variable is not defined.	Setting error	Set the number of local variables to be used in the job header.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7	The station-axis position-type variable is not defined.	Setting error	Set the number of local variables to be used in the job header.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4436: LESS THAN 3 STEPS(CIRCULAR)

An error occurred in circular interpolation instruction execution.
There is no continuous three points or more for circular interpolation step.

Sub Code	Meaning	Cause	Remedy
		Setting error	Perform teaching so that circulation interpolation steps are continuous three points or more.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4437: LESS THAN 3 STEPS(SPLINE)

An error occurred in spline interpolation instruction execution.
There is no continuous three points or more for spline interpolation step.

Sub Code	Meaning	Cause	Remedy
		Setting error	Perform teaching so that spline interpolation steps are continuous three points or more.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4438: UNDEFINED JOB

The job to be executed is not registered.

Sub Code	Meaning	Cause	Remedy
		Setting error	Check if the CALL/JUMP destination job is registered. If the job is not registered, delete the JUMP instruction where an alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4439: UNDEFINED LABEL

An error occurred in label jump execution.
The label for jump destination does not exist in the job.

Sub Code	Meaning	Cause	Remedy
		Setting error	Check if the JUMP destination label is registered. If the label is not registered, delete the JUMP instruction where alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4440: UNDEFINED RETURN JOB

Call source job does not exist in the job call stack.

Sub Code	Meaning	Cause	Remedy
		Setting error	Check the following settings. • If there is an illegal RET instruction in the start job, delete the RET instruction. • Check if RET instruction is not executed under the condition that there is no job in the job call stack. In that case, execute it from master (start) job.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4441: LACK OF LOCAL-VARIABLE AREA

An error occurred when memory area for local variable was obtained.
Memory area is lacking because too many local variables in the job are used.

Sub Code	Meaning	Cause	Remedy
		Setting error	Reduce the number of local variables to be used.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4444: UNSUCCESSFUL FINE POSITIONING

When PL = 0 or an external servo turned OFF, the number of the servo error pulses did not fall in the limit range that had been set in a parameter, within the specified time.

Sub Code	Meaning	Cause	Remedy
	Sub Code: The lowest eight bits -> Bit specification of axis where error occurred. The highest eight bits -> Bit specification of control group number(0-31) where error occurred.	Effect of external force	Move the manipulator by the axis operation, etc. to remove the external force of axis where alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4445: DATA PRESET ERROR

Data error occurred at job prereading reinterpretation.

Sub Code	Meaning	Cause	Remedy
1	The token for prereading processing could not be obtained.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	The prereading processing has not been completed within the time, and the waiting time for completion exceeded the limit.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	The prereading operation processing has not been completed within the time, and the waiting time for completion exceeded the limit.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	An error occurred in prereading operation process.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
5	A_BANK conversion has not been completed.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, turn the main power of controller off and then turn it on. Re-select the job from [select job] window before starting the job again . 3. If the alarm occurs again even though you do 2. above, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
255	An exceptional error occurred in job execution process.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4446: OVER VARIABLE LIMIT

The variable value exceeded the limit.

Sub Code	Meaning	Cause	Remedy
0	The variable value exceeded the limit.	Setting error	Check the settings for variable, and then correct the job to fall within the input range of the tag.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1	The value for the binary (0/1) data type variable exceeded the limit.	Setting error	Check the settings for variable, and then correct the job to fall within the input range of the tag.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	The value for the signed 1-byte data type variable is less than the minimum value.	Setting error	Check the settings for variable, and then correct the job to fall within the input range of the tag.

4446: OVER VARIABLE LIMIT (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	The value for the unsigned 1-byte data type variable is less than the minimum value.	Setting error	Check the settings for variable, and then correct the job to fall within the input range of the tag.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	The value for the signed 2-byte data type variable is less than the minimum value.	Setting error	Check the settings for variable, and then correct the job to fall within the input range of the tag.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
5	The value for the unsigned 2-byte data type variable is less than the minimum value.	Setting error	Check the settings for variable, and then correct the job to fall within the input range of the tag.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
6	The value for the signed 4-byte data type variable is less than the minimum value.	Setting error	Check the settings for variable, and then correct the job to fall within the input range of the tag.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7	The value for the unsigned 4-byte data type variable is less than the minimum value.	Setting error	Check the settings for variable, and then correct the job to fall within the input range of the tag.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8	The value for the real-number 4-byte data type variable is less than the minimum value.	Setting error	Check the settings for variable, and then correct the job to fall within the input range of the tag.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
14	The value for the character-string type variable is less than the minimum value.	Setting error	Check the settings for variable, and then correct the job to fall within the input range of the tag.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
32770	The value for the signed 1-byte data type variable exceeded the maximum value.	Setting error	Check the settings for variable, and then correct the job to fall within the input range of the tag.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4446: OVER VARIABLE LIMIT (continued)

Sub Code	Meaning	Cause	Remedy
32771	The value for the unsigned 1-byte data type variable exceeded the maximum value.	Setting error	Check the settings for variable, and then correct the job to fall within the input range of the tag.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
32772	The value for the signed 2-byte data type variable exceeded the maximum value.	Setting error	Check the settings for variable, and then correct the job to fall within the input range of the tag.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
32773	The value for the unsigned 2-byte data type variable exceeded the maximum value.	Setting error	Check the settings for variable, and then correct the job to fall within the input range of the tag.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
32774	The value for the signed 4-byte data type variable exceeded the maximum value.	Setting error	Check the settings for variable, and then correct the job to fall within the input range of the tag.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
32775	The value for the unsigned 4-byte data type variable exceeded the maximum value.	Setting error	Check the settings for variable, and then correct the job to fall within the input range of the tag.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
32776	The value for the real-number 4-byte data type variable exceeded the maximum value.	Setting error	Check the settings for variable, and then correct the job to fall within the input range of the tag.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
32782	The value for the character-string type variable exceeded the maximum value.	Setting error	Check the settings for variable, and then correct the job to fall within the input range of the tag.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4447: DEFECTIVE TAUGHT POINT(CIRC)

Incorrect teaching of circular interpolation points.

Sub Code	Meaning	Cause	Remedy
1	Starting point and destination point are the same position.	Setting error	Change the teaching points so that circular interpolation points do not to same.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	Any points of the circular interpolation are the same position.	Setting error	Change the teaching points so that circular interpolation points do not to same.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	Any points of the circular interpolation are the same position as the center position.	Setting error	Change the teaching points so that circular interpolation points do not to same as the center point of circular path.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	The three points taught for the circular interpolation points line in a straight line.	Setting error	Change the teaching points so that circular interpolation points do not line in a straight line.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
5	The starting point and destination point taught for the circular interpolation points line in a straight line.	Setting error	Change the teaching points so that circular interpolation points do not line in a straight line.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
6	Rotation angle of circular interpolation is out of range.	Setting error	Change the rotation angle of circular interpolation.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-1	Failed to calculate the circular path.	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-2	Circular interpolation different ways in multiple robots are specified.	Setting error	Specify the same circular interpolation method to all robots.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4448: WEAVING D3251

An error occurred in weaving control.

Sub Code	Meaning	Cause	Remedy
1	Weaving control-group designation error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	When the speed is specified by weaving time in the weaving file, zero or the negative value is set for the weaving time.	Setting error	Reset the value 0.1 seconds or more.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
5	When the speed is specified by frequency in the weaving file, zero or the negative value is set for the frequency.	Setting error	Reset the value 0.1 Hz or more.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
6	When the timer mode is specified in the weaving file, a negative value is set for the timer value.	Setting error	Set a positive value for the timer value.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7	For triangle or L-type weaving, zero is set for the vertical or horizontal distance.	Setting error	Set a positive value for the vertical and horizontal distance.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8	The coordinate control axis designation for the reference point is different from actual control axis.	Setting error	Match the control group designation of the wall point and weaving execution.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
9	The distance between the point P and the TCP could not be calculated in wrist weaving.	Setting error	Set the correct dimensions in the tool data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
10	The distance between the point P and the TCP could not be calculated in circular wrist weaving.	Setting error	Set the correct dimensions in the tool data.

4448: WEAVING D3251 (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
11	The Y-direction element of circular coordinate system for circular wrist weaving could not be calculated.	Setting error	Check the settings for wall and horizontal direction.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
12	The X-direction element of circular coordinate system for circular wrist weaving could not be calculated.	Setting error	Check the settings for wall and horizontal direction.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
14	Weaving basic-orientation calculation error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
15	Calculation error of horizontal- and wall-direction vector for weaving	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
16	Weaving synchronization file number selection range error	Setting error	Check the number of the weaving synchronizing file for use.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
17	Weaving interpolation error	Setting error	The ELLIPSE weebing can move, when MOVL or MOVC is teached. Check the job contents.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
18	Weaving coordinated motion error	Setting error	The independent motion and coordinated motion are teached in the weeving section. In one weeving section teach the independent motion or coordinated motion only. Check the job contents.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4449: UNMATCHED POSN VAR DATA TYPE

The position type variable data type is different.

Sub Code	Meaning	Cause	Remedy
		Setting error	Match the data type of position type variable.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4450: FILE NO. ERROR

An error occurred in file number check.

Sub Code	Meaning	Cause	Remedy
1	An error occurred in tool file number check.	Setting error	Confirm that the specified tool file number is 0 to 63.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	An error occurred in user coordinate file number check.	Setting error	Confirm that the specified user coordinate file number is 1 to 63.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	An error occurred in calibration file number check between the manipulators.	Setting error	Confirm that the specified robot calibration file number is 1 to 32.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	An error occurred in tool calibration file number check.	Setting error	Confirm that the specified tool file number is 0 to 63.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
5	An error occurred in reference point number check.	Setting error	Confirm that the specified robot calibration file number is 1 to 8.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
9	An error occurred in conveyor characteristic file number check.	Setting error	Confirm that the specified conveyor condition file number is 1 to 6.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
12	An error occurred in conveyor calibration file number check.	Setting error	Confirm that the specified conveyor calibration file number is 1 to 6.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
13	An error occurred in argument number check.	Setting error	Confirm that the argument number is 1 to 16.

4450: FILE NO. ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
15	An error occurred in servofloat condition files cheack.	Setting error	The servofloat condition file is "UNUSED". Specify the servofloat condition file of either "FL#()" or "LFL#()" in detail edit display.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4451: UNDEFINED REFERENCE POINT

An error occurred in the reference point data.
The reference point is not registered or is insufficient.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Reference point number in binary	Setting error	Set the reference point.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4452: STACK MORE THAN 10 (JOB CALL)

The job call stack exceeded the limit.
An attempt was made to add more than twelve stacks in the job call stack.

Sub Code	Meaning	Cause	Remedy
		Setting error	Change the job configuration so that the number of nests for CALL instruction is twelve or less.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4453: OVER VARIABLE NO.

The variable number is out of range.

Sub Code	Meaning	Cause	Remedy
	The variable number is out of range. Sub Code: The variable number which an attempt was made to use	Setting error	Correct the job using the variable number within the range.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4459: EXCESSIVE INSTRUCTION EQUATION

An error occurred in expression operation.
The operation is impossible because the expression is too long.

Sub Code	Meaning	Cause	Remedy
		Setting error	Separate the operation expression, shorten the expression, and then check the settings for the job.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4460: ZERO DIVIDED OCCURRENCE

An error occurred in operation instruction.
Zero division occurred.

Sub Code	Meaning	Cause	Remedy
		Setting error	Do not divide by zero.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4463: PARITY ERROR

The parity check for user I/O group detected the data error.

Sub Code	Meaning	Cause	Remedy
		Setting error	Check the settings for the parity data of the user I/O group.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4464: OVER BCD RANGE

The BCD value exceeded the limit.
An attempt was made to output a value above the maximum value that can be expressed in Binary Coded Decimal: 99 (decimal) when no parity check is specified, and 79 (decimal) when parity check is specified.
An attempt was made to read a data that cannot be expressed in Binary Coded Decimal (a data whose lower or upper 4 bits exceeded 9 in decimal) in the variable.

Sub Code	Meaning	Cause	Remedy
		Setting error	Correct the BCD data so that it is within the limit.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4465: OVER BINARY RANGE(PARITY CHECK)

The binary data exceeded the limit.
An attempt was made to output a value that exceeded 127 (decimal) to the user I/O when parity check was specified.

Sub Code	Meaning	Cause	Remedy
		Setting error	Correct the binary data so that it is within the limit.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4466: OFFLINE UNDEFINED COMMAND(ARITH)

An undefined command was issued to the offline position-data preparation section.

Sub Code	Meaning	Cause	Remedy
0	An undefined command was issued to the offline position-data preparation section.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4467: USER COORD STEP NOT ENOUGH

An error occurred at user coordinate creation by a job.
The number of steps was lacking for a job for user coordinate creation.

Sub Code	Meaning	Cause	Remedy
		Setting error	Correct the JOB that the number of steps will be three or more.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4468: ROBOT CALIBRATION DATA ERROR

An error occurred in calibration between manipulators.

Sub Code	Meaning	Cause	Remedy
1	The calibration between manipulators cannot be executed for this model.	Setting error	Do not use a coordinated motion with this manipulator.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	The master group and the slave group are set to the same group.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	Incorrect designation of the control group for master group	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4468: ROBOT CALIBRATION DATA ERROR (continued)

Sub Code	Meaning	Cause	Remedy
4	Incorrect designation of the control group for slave group	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
5	Incorrect designation of the occupation control group for calibration data	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
6	Incorrect designation of the enabling control group for calibration data	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7	Among three points in the master-group's calibration data, two or three points are on the same point.	Setting error	Teach the data for calibration so that each point is different.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8	Among three points in the slave-group's calibration data, two or three points are on the same point.	Setting error	Teach the data for calibration so that each point is different.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
9	The number of the teaching points for calibration data is insufficient.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4469: ROBOT CALIBRATION FRAME ERROR

An error occurred in calibration coordinate conversion between manipulators.

Sub Code	Meaning	Cause	Remedy
1	The calibration between manipulators cannot be executed for this model.	Setting error	The calibration function between manipulators cannot be used for this model.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	The master group and the slave group are set to the same group.	Setting error	Set the different groups for the master group and the slave group.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	Incorrect designation of the control group for master group	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4469: ROBOT CALIBRATION FRAME ERROR (continued)

Sub Code	Meaning	Cause	Remedy
4	Incorrect designation of the control group for slave group	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
5	Calibration data setting error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4470: ROBOT CARIB STEP NOT ENOUGH

An error occurred at calibration data creation between manipulators.
The number of steps was lacking for a job for calibration data creation between manipulators.

Sub Code	Meaning	Cause	Remedy
		Setting error	Check the settings for number of the job steps
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4471: ROBOT CALIBRATION DATA ERROR

The tool calibration data could not correctly be prepared.

Sub Code	Meaning	Cause	Remedy
1	Incorrect number of teaching points for tool calibration	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	Incorrect designation of the occupation control group for calibration data	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	Incorrect designation of the enabling control group for calibration data	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	Incorrect designation of the control group for calibration data	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4473: ARITHMETIC ALARM RESET ERROR

The alarm occurred in the calculation section could not be reset.

Sub Code	Meaning	Cause	Remedy
		Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4474: WRONG CONTROL GROUP AXIS

The CALL/JUMP/PSTART destination job could not be executed.
An attempt was made to call or jump to a job whose control group cannot be controlled.
An attempt was made to start the control group job that could not be operated.

Sub Code	Meaning	Cause	Remedy
	Sub Code:The related control-group	Setting error	Check the following settings. • Make the setting in advance so that the control group of the CALL/JUMP designation job is included in that of the CALL/JUMP source job. • Don't start the job which including control group under already operation by "PSTART" instruction.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4475: CANNOT EXECUTE JOB(NO ROBOT)

The robot axis is not designated for the control-group of the job at execution of a work instruction that uses a manipulator.

Sub Code	Meaning	Cause	Remedy
		Setting error	Check the following settings. • Add the robot axis to the control-group of the job. • When MotoPlus function (option) is used, a robot which executed SKILLSND is not defined as using MotoPlus sensor related API. Check the combination of the robot and MotoPlus application. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4476: CANNOT EDIT (EDIT LOCK JOB)

An attempt was made to change the data for the job prohibited from being edited.

Sub Code	Meaning	Cause	Remedy
0	An attempt was made to change the tag data.	Setting error	Release the prohibition.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4476: CANNOT EDIT (EDIT LOCK JOB) (continued)

Sub Code	Meaning	Cause	Remedy
1	An attempt was made to change the speed tag data.	Setting error	Release the prohibition.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	An attempt was made to change the board thickness tag data.	Setting error	Release the prohibition.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	An attempt was made to change the MARKER job.	Setting error	Release the prohibition.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4477: SELECT ERROR(APPLICATION)

Incorrect selection of application.
When executing a work instruction, the application selection parameter (parameter exclusive for manufacturer) is inconsistent with the application parameter (AP parameter).

Sub Code	Meaning	Cause	Remedy
	Sub Code: Application number	Setting error	Check the following settings. • Set the application to a specified robot by the application selection of maintenance mode. • A robot which executed SKILLSND is not defined as using MotoPlus sensor related API. Check the combination of the robot and MotoPlus application. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4478: MotoPlus MM TASK NO RESPONSE

MotoPlus application doesn't response more than stipulated time because MM task has not recovered from unexpected condition.

Sub Code	Meaning	Cause	Remedy
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe. 3. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4479: MotoPlus MM TASK WATCH DOG ERROR

MM Task can not run more than stipulated time because of MotoPlus application running. Executing high priority task of MotoPlus application may dominate CPU for a long time, which may be preventing the man machine interface task from running.

Sub Code	Meaning	Cause	Remedy
		Software operation error occurred	Check if there is high priority task of MotoPlus application running long time. Especially, check if there may be the process which waits for a special condition without executing mpTaskDelay in loop process. If such process exists, suitable remedy should be done like putting mpTaskDelay in the loop process.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4480: SELECT ERROR(SENSOR 1)

Incorrect selection of sensor function.
When executing a work instruction, the sensor application selection parameter (parameter exclusive for manufacturer) is inconsistent with the sensor parameter (SE parameter).

Sub Code	Meaning	Cause	Remedy
	Sub Code:Sensor number	Setting error	Select the option function for the specified robot in the option function selection of maintenance mode.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4485: WRONG SELECTION (SENSOR)

When executing a sensor instruction, the robot specified to use the sensor (system parameter) and the robot specified to use the application (system parameter) are unmatched.

Sub Code	Meaning	Cause	Remedy
		Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4487: WRONG MECH PARAMETER FILE

An error occurred in mechanical parameter for the path control section.

Sub Code	Meaning	Cause	Remedy
		Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4489: DEFECTIVE TAUGHT POINT(CUTTING)

An error occurred at CUT instruction execution.

Sub Code	Meaning	Cause	Remedy
1	The C- and W-axis position at the cutting start position is not zero pulse.	Setting error	Check the settings for the cutting start position (zero pulse).
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	Zero is set for the cutting radius.	Setting error	Check the settings for radius (a value bigger than zero).
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	The cutting machine axis is not mounted.	Setting error	The CUT instruction can be used for the manipulator with small-circle cutting axis only.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	This manipulator cannot perform a hexagonal cutting motion.	Setting error	Select an other cutting form.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4490: DEFECTIVE TAUGHT POINT(ENDLESS)

The Endless motion could not be performed.

Sub Code	Meaning	Cause	Remedy
1	After the Endless rotation completed, an attempt was made to execute an interpolation instruction such as MOVL and MOVC before executing an MRESET instruction.	Setting error	To perform an interpolation motion such as MOVL and MOVC after an Endless rotation, execute an MRESET instruction beforehand.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	The base axis is set as an Endless rotation axis. The Endless function cannot be used with the base axis.	Setting error	Check the parameter setting that designates the Endless rotation axis.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	An attempt was made to execute the Endless function although the endless axis was not designated.	Setting error	Check the parameter setting that designates the Endless rotation axis.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4490: DEFECTIVE TAUGHT POINT(ENDLESS) (continued)

Sub Code	Meaning	Cause	Remedy
4	The Endless axis exceeded the maximum pulse value (plus or minus 536870911).	Setting error	Set the rotation amount so that the Endless axis does not exceed the maximum pulse value.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4491: CORRECTIONAL DIRECTION ERROR

An internal control error occurred when calculate the correcting direction.

Sub Code	Meaning	Cause	Remedy
1	Control-group designation error for correcting-direction preparation	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	Designation error for the correcting-direction coordinates	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	When "any direction" is set for the correcting direction, the correction coordinates is not prepared.	Setting error	Check the settings for the correcting direction with the reference point (REFP).
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	When "any direction" is set for the correcting direction, the reference points (REFP) are taught on the same point.	Setting error	Check the settings for the reference points (REFP) so that each point is different.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
5	Designation error for the coordinated motion control axis at the reference point	Setting error	Match the control group designation of the wall point and weaving execution.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4492: POSITION CORRECTION ERROR

An error occurred in the calculation section for the correcting direction at path correcting motion.

Sub Code	Meaning	Cause	Remedy
1	Data unmatched between the correction amount data and the job data: The information about the control groups designated for the series of jobs, which is added to the correction amount data, does not include the valid control-group for the job.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	Data unmatched between the correction amount data and the job data: The valid control-group information that is added to the correction amount data disagrees with the valid control-group for the job.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	Tool change err for orientation correction of the tool coordinate	Setting error	It is not possible to change the tool when correct the orientation by the tool coordinate.

◆ 4493: OVER TOOL FILE NO.

The tool file number exceeded the limit value.
The tool number for internal control is 65 or more.

Sub Code	Meaning	Cause	Remedy
		Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4494: DEFECTIVE TAUGHT POINT(WEAV)

The teaching position setting was incorrect and weaving could not be executed.

Sub Code	Meaning	Cause	Remedy
1	The weaving start point and end point are on the same point.	Setting error	Check the settings for the positions so that the weaving start point and end point are different.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	Among the weaving start point, end point, and reference point, two or three points are on the same point.	Setting error	Check the settings for the positions so that the weaving start point, end point, and reference point are different.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4495: UNDEFINED ROBOT CALIBRATION

Calibration between manipulators has not executed.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Control group which calibration is not completed	Setting error	Before using the coordinated motion, execute the calibration between manipulators.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4496: PARAMETER ERROR

An error occurred when the parameter setting was performed.

Sub Code	Meaning	Cause	Remedy
1	The setting of the manipulator number is incorrect.	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	Zero is set for the resolution.	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	Zero is set in the feedback pulse parameter.	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	The setting of L-axis ball-screw data is incorrect.	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
5	The setting of U-axis ball-screw data is incorrect.	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
6	Zero or a negative value is set for MAXPPS.	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7	Zero or a negative value is set for the maximum acceleration speed.	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8	Zero or a negative value is set for the maximum deceleration speed.	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
9	Zero or a negative value is set for the play-mode servo averaging time.	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4496: PARAMETER ERROR (continued)

Sub Code	Meaning	Cause	Remedy
10	The setting of the manipulator number is incorrect. An undefined type is designated.	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
11	The incorrect coordinate system is designated for the cubic interference. An undefined coordinate system is set.	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
12	The designation of the user coordinates number is incorrect. A number out of the setting range is set.	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
13	The reduction ratio <= 0 is output.	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
14	Zero or a negative value is set for the spring constant.	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
15	Zero or a negative value is set for the motor inertia.	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
16	Zero or a negative value is set for the speed calculation constant.	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
17	Dividing number setting error	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
18	The setting of allowable torque for the speed reducer is incorrect.	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
19	The setting of allowable torque for the motor is incorrect.	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
20	The manipulator type is not applicable for torque acceleration/deceleration.	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
21	Zero or a negative value is set for the balancer.	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4496: PARAMETER ERROR (continued)

Sub Code	Meaning	Cause	Remedy
22	The angle of hexagon set for the CUT instruction is out of the range "0 degree < angle < 60 degrees."	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
23	Encoder type designation error	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
24	Observer sampling time error	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
25	Two-degree-of-freedom system Kp value error	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
26	The setting of torque acceleration/deceleration designation parameter is incorrect.	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
27	Observer polarity setting error	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
28	The inertia value error for the shift value calculation	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
29	Observer attenuation constant error	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
30	Torque estimation parameter error	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
31	The segment clock error occurred when the PV loop is 1 ms.	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
32	Non-robot axis observer selection error	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
33	Zero is set for the response time constant.	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4496: PARAMETER ERROR (continued)

Sub Code	Meaning	Cause	Remedy
34	Efficiency data error	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
35	Zero is set for the averaging time constant.	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
36	Torque limit ratio data error	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
37	Coulomb friction data error	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
38	Kinematic friction coefficient data error	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
39	The setting in the optimized acceleration/deceleration designation parameter is incorrect.	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
40	An uninstalled function is designated.	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
41	The dynamics-model calculation at the optimized acceleration/ deceleration is invalid.	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
42	Zero is set for the inertia of dynamics fixed model.	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
43	Designation error for dynamics-model calculation type	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
44	The optimized acceleration/ deceleration control of speed limit function is disabled.	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
45	The axis designation parameter for the speed limit function is not set.	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4496: PARAMETER ERROR (continued)

Sub Code	Meaning	Cause	Remedy
46	The setting in the mode designation parameter for the speed limit function is incorrect.	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
47	Zero or negative value is set in the allowable braking torque parameter for the speed limit function.	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
48	Zero or a negative value is set in the speed adjustment ratio parameter for the speed limit function.	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
49	Zero or a negative value is set in the torque limit adjustment ratio parameter for the acceleration/ deceleration tuning.	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
50	Zero or a negative value is set in the parameter that sets the shortest acceleration/ deceleration time for when the excessive torque is applied at the optimized acceleration/ deceleration.	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
51	Zero is set for the dimension information "a3" for the SKR manipulator.	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
53	The parameter setting for the Cartesian manipulator X-axis data is incorrect.	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
54	The parameter setting for the Cartesian manipulator Y-axis data is incorrect.	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
55	The setting for the Dual-arm manipulator is incorrect.	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
56	Zero or a negative value is set in the FORMCUT maximum acceleration/deceleration time parameter.	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
57	The setting of expanded check-point designating bits for the arm interference check is incorrect.	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
60	Zero or a negative value is set for the sphere at the arm interference check point.	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4496: PARAMETER ERROR (continued)

Sub Code	Meaning	Cause	Remedy
61	Zero or a negative value is set for the cylinder at the arm interference check point.	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
62	The number of designated check points for the arm interference check is insufficient.	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
70	All of X, Y, and Z value of the expanded check-point 1 for the arm interference check are set to zero.	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
71	All of X, Y, and Z value of the expanded check-point 2 for the arm interference check are set to zero.	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
85	The setting of wrist axis angle for tube-incorporated wrist type manipulators or three-roll wrist type manipulators is incorrect.	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
86	The special link JOG operation cannot be used with this manipulator.	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
87	The setting in the parameter for special angle limit check designation is incorrect.	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
91	The setting of the deceleration speed for the path-priority control is less than zero.	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
92	A negative value is set in the roundness parameter for the path-priority control.	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
93	The link parameter for the cutting device is not set.	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
95	The real-time bending correction function is enabled for a control-group other than robot axis.	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
96	Zero is set for the dimension information "a2" for the Arc Cell Torch Arm type manipulators.	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4496: PARAMETER ERROR (continued)

Sub Code	Meaning	Cause	Remedy
97	Zero is set for the deceleration ratio for double T-axis unit of the V-shaped double T-axis manipulator.	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
103	"Alpha" is replaced with "0" in SKR1-5 type robot.	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
118	Wrong value in set for backlash correction function.	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
121	Incorrect parameter setting to inertia speed control function.	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
122	Incorrect acceleration/ deceleration time setting at tool mass acceleration/deceleration speed correction function.	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
123	Incorrect coefficient/item settings at tool mass acceleration/deceleration speed correction function.	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
124	No tool mas as the minimum acceleration/deceleration time at tool mass acceleration/ deceleration speed correction function.	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
125	Incorrect speed setting at tool mass acceleration/deceleration speed correction function.	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
126	Incorrect coefficient/item settings at tool mass acceleration/deceleration speed control function.	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
127	No tool mass as the maximum acceleration/deceleration time at tool mass acceleration/ deceleration speed control function.	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
129	An error in the standard arithmetical axis number setting for approximation model.	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
130	An error in the standard expanding point number setting for approximation model.	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4496: PARAMETER ERROR (continued)

Sub Code	Meaning	Cause	Remedy
131	An error in the radius setting for approximation model.	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
132	setting error of arithmetical axis number in D-H method.	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
133	setting error of choosing no / wrong connection base arithmetical axis number in D-H method.	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
134	The higher-order acceleration/ deceleration is prohibited when using operation acceleration / deceleration	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
135	Base axis control point to Robot coordinate system offset setting prohibited	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
136	Pulse linked JOG function specification error	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
137	Dual drive control specification error	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
138	Notch filter supported acceleration and deceleration tuning: Notch filter function setting error	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
139	Notch filter supported acceleration and deceleration tuning: Notch filter (z2) setting error	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
147	NON ACTIVATION of Servo Simulation function error	Setting error	Enable Servo Simulation Function.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
154	The setting in the parameter for special mechanical interference is incorrect.	Setting error	Correct the setting value of the parameter for special mechanical interference.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
157	Endless function encoder err	Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4496: PARAMETER ERROR (continued)

Sub Code	Meaning	Cause	Remedy
158	Incorrect parameter setting at tool mass acceleration/ deceleration speed control function.	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
160	Incorrect parameter setting at tool mass acceleration/ deceleration speed limit function.	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
162	Timing delay control function was invalid	Setting error	Enable timing delay control function.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
165	Incorrect parameter setting at TCP speed acceleration/ deceleration speed limit function.	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
168	Incorrect parameter setting at short pitch interval SPF frequency change function.	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4497: DEFECTIVE TAUGHT POINT(CALIB)

An error occurred in calibration teaching between manipulators.

Sub Code	Meaning	Cause	Remedy
1	Some of the teaching points for master-group are on the same point.	Setting error	Perform the teaching again so that the teaching points are different from one another.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	Some of the teaching points for slave-group are on the same point.	Setting error	Perform the teaching again so that the teaching points are different from one another.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	The 2nd-axis positions of C3, C4, and C5 of station axes are not the same.	Setting error	Perform the teaching again so that the 2ndaxis positions of C3, C4, and C5 of the station axes are the same.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	The 1st-axis positions of C1, C2, and C3 of station axes are not the same.	Setting error	Perform the teaching again so that the 1staxis positions of C1, C2, and C3 of station axes are the same.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4497: DEFECTIVE TAUGHT POINT(CALIB) (continued)

Sub Code	Meaning	Cause	Remedy
5	The 2nd-axis positions of C1, C2, and C3 of station axes are the same.	Setting error	Perform the teaching again so that the teaching positions are different from one another.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
6	The 1st-axis rotation direction of C3, C4, and C5 of station axes are not the same.	Setting error	Perform the teaching again so that the 1staxis rotation direction of C3, C4, and C5 of station axes are the same.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7	The 1st-axis (elevation axis) positions of C1, C2, and C3 of station axes are not the same.	Setting error	Perform the teaching again so that the 1staxis (elevation axis) positions of C1, C2, and C3 of station axes are the same.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8	The 1st-axis (elevation axis) positions of C3, C4, and C5 of station axes are not the same.	Setting error	Perform the teaching again so that the 1staxis (elevation axis) positions of C3, C4, and C5 of station axes are the same.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4498: CANNOT EXECUTE JOB(NO GRP AXIS)

The function which is not allowed in TEST RUN(HIGH ACCURACY) was performed.

Sub Code	Meaning	Cause	Remedy
	An attempt was made to execute an instruction that could not be executed in a job without control group.	Setting error	Check the settings for the job instruction with control group.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4499: UNDEFINED POSITION VARIABLE

An attempt was made to use the position type variable that was not set.

Sub Code	Meaning	Cause	Remedy
	Sub Code: The variable number	Setting error	Check the settings for the position type variable.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4500: UNDEFINED USER FRAME

An attempt was made to use the user coordinate that was not set.

Sub Code	Meaning	Cause	Remedy
	Sub Code: User coordinate number	Setting error	Check the settings for the user coordinate.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4501: OUT OF RANGE(PARALLEL PROCESS)

An error occurred in the multi-task control process for the independent control function.
The number of tasks exceeded the limit.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Task number	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4507: REFP POS ERROR(SEARCH MOTION)

Incorrect teaching point for search detection.
The search start point and the motion target point are the same, or the distance between the two points is too short.

Sub Code	Meaning	Cause	Remedy
		Setting error	Check the following settings. • Perform the teaching again so that the search start point and the motion target point are not the same. • Increase the distance between the search start point and the motion target point.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4508: SPECIFIED ERROR(COORDINATE)

An invalid coordinate system was specified.

Sub Code	Meaning	Cause	Remedy
0	The specified coordinate system does not exist.	Setting error	Check the settings for the coordinate system which can be used.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1	Designation error of the master tool coordinate system. This coordinate system cannot be used.	Setting error	Check the settings for the coordinate system which can be used.

4508: SPECIFIED ERROR(COORDINATE) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	Designation error of the tool coordinate system. This coordinate system cannot be used.	Setting error	Check the settings for the coordinate system which can be used.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	Designation error of the direction of travel coordinate system (for a shared function). This coordinate system cannot be used.	Setting error	Check the settings for the coordinate system which can be used.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	Designation error of the any direction coordinate system (for a shared function). This coordinate system cannot be used.	Setting error	Check the settings for the coordinate system which can be used.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
5	Designation error of the approximation tool coordinate system (for a shared function). This coordinate system cannot be used.	Setting error	Check the settings for the coordinate system which can be used.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
6	Designation error of the conveyor coordinate system. This coordinate system cannot be used.	Setting error	Check the settings for the coordinate system which can be used.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8	Designation error of the COMARC coordinate system. This coordinate system cannot be used.	Setting error	Check the settings for the coordinate system which can be used.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
9	Designation error of the power sensor coordinate system. This coordinate system cannot be used.	Setting error	Check the settings for the coordinate system which can be used.

4508: SPECIFIED ERROR(COORDINATE) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
10	Designation error of the cylindrical coordinate system. This coordinate system cannot be used.	Setting error	Check the settings for the coordinate system which can be used.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
11	Designation error of the coordinate system for the external reference point. This coordinate system cannot be used.	Setting error	Check the settings for the coordinate system which can be used.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
12	Designation error of the coordinate system for 3D shifting. This coordinate system cannot be used.	Setting error	Check the settings for the coordinate system which can be used.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
13	Designation error of the KOMATSU tool Z-direction operation coordinate system. This coordinate system cannot be used.	Setting error	Check the settings for the coordinate system which can be used.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
14	Designation error of the KOMATSU tool JOG operation coordinate system. This coordinate system cannot be used.	Setting error	Check the settings for the coordinate system which can be used.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
15	Designation error of the coordinate system at IMOV for 3D shifting. This coordinate system cannot be used.	Setting error	Check the settings for the coordinate system which can be used.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
16	Designation error of the H-LINK type cylindrical coordinate system. This coordinate system cannot be used.	Setting error	Check the settings for the coordinate system which can be used.

4508: SPECIFIED ERROR(COORDINATE) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
17	Designation error of the FSER_FRAME type cylindrical coordinate system. This coordinate system cannot be used.	Setting error	Check the settings for the coordinate system which can be used.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
18	Designation error of the reference USER_FRAME type cylindrical coordinate system. This coordinate system cannot be used.	Setting error	Check the settings for the coordinate system which can be used.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4509: MFRAME ERROR

An error occurred at MFRAME execution.

Sub Code	Meaning	Cause	Remedy
1	The master-tool user coordinates could not be prepared.	Setting error	Execute the MFRAME instruction in coordinated job when you make the master tool user coordinate.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	reference user frame cannot be used.	Setting error	Check the following settings. • reference user frame
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	position type variable (P variable) cannot be used.	Setting error	Check the following settings. • position type variable (P variable).
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4510: CANNOT EXECUTE INSTRUCTION(SQRT)

The SQRT instruction could not be executed.
An attempt was made to calculate the square root of negative value. (The second argument was negative.)

Sub Code	Meaning	Cause	Remedy
		Setting error	Check the job settings so that the second argument of SQRT instruction does not become negative.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4511: OUT OF RANGE(DROP-VALUE)

The pulse difference of the robot position exceeded the allowable value between when the servo was OFF previously and when the servo was ON this time.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Control group exceeding the allowable value	Setting error	Confirm the load setting to the robot.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4512: TWO STEPS SAME LINE(3 STEPS)

In the user coordinates for calibration between manipulators, three or more teaching points are aligned in a straight line.

Sub Code	Meaning	Cause	Remedy
		Setting error	Check the settings so that the teaching points are not aligned in a straight line.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4513: EXCESSIVE SEGMENT(SAFETY 1): LOW/HIGH

This alarm occurs if the operation command which exceeds the designated max. speed is output.
It may occur when the robot operates near the singular point or when the robot is going to change its orientation widely with single control point.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Control group and axis	Setting error	Check the following settings. • Reduce the speed of the step where the alarm occurred. • Change the move instruction to joint interpolation (MOVJ). * Be careful to the peripheral interference since its movement changes.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4515: EXCESSIVE SEGMENT(SAFETY 2): LOW/HIGH

This alarm occurs if the operation command which exceeds the designated max. speed is output.
It may occur when the robot operates near the singular point or when the robot is going to change its orientation widely with single control point.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Control group and axis	Setting error	Check the following settings. • Reduce the speed of the step where the alarm occurred. • Change the move instruction to joint interpolation (MOVJ). * Be careful to the peripheral interference since its movement changes.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4517: SEARCH MONITOR SET ERROR(SERVO)

An error occurred in search/monitoring mode settings in servo section.
An error occurred in interface with servo section at search/monitoring mode.

Sub Code	Meaning	Cause	Remedy
	Sub Code: The related control-group	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4518: SEARCH MON RELEASE ERR(SERVO)

An error occurred in search/monitoring mode releasing in servo section.
An error occurred in interface with servo section at search/monitoring mode.

Sub Code	Meaning	Cause	Remedy
	Sub Code: The related control-group	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4520: AXIS BLOCKING

A motion was commanded for the group axis during axis block at play mode.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Control group	Setting error	Check the settings for the general-purpose input signal set in the parameter.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4521: WRONG JOB TYPE

Job type is inconsistent.

Sub Code	Meaning	Cause	Remedy
	Sub Code 0000_0001: A robot job was started from the concurrent job at CALL/JUMP instruction execution. 0000_1001: A concurrent job was started from the robot job at CALL/JUMP instruction execution. 1000_0001: A system job was started from the robot job at CALL/JUMP instruction execution.	Setting error	Check the settings for the job to be started.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4522: TAG DATA CHANGE PROCESS ERROR

An error occurred at tag data change.

Sub Code	Meaning	Cause	Remedy
0	An attempt was made to change the contents of variable tag data.	Setting error	The variable tag cannot be changed. Correct the job so as not to use the variable tag.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1	An attempt was made to change the tag data for the job prohibited from being edited.	Setting error	Release the prohibition.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	An error occurred at instruction read-in.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	The tag is not registered.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	The tag data was variable specification.	Setting error	The variable tag cannot be changed. Correct the job so as not to use the variable tag.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
5	The value which it was made to change exceeded the limit of tag data.	Setting error	Check the contents of changing data.

4522: TAG DATA CHANGE PROCESS ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7	An error occurred at tag data change.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4523: SHARED AXES CONTROL ERROR

An error occurred at shared base axes control.

Sub Code	Meaning	Cause	Remedy
1	The teaching points are incorrect.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	Robot information for implementing the shared base axes control can not be acquired.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	Robot axes, base axis specification error.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	Control number of the main side base axis is abnormal.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
5	Independent control base axis group error.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
6	Shared base axes current value creation error.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7	Independent control slave side speed calculation error.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8	Independent control slave side speed check error.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
9	Independent control Prohibit command execution error.	Setting error	In shared base axes control, the robot of slave side MOVS, EIMOVL, EIMOVC can not be used. Please correct the job.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4523: SHARED AXES CONTROL ERROR (continued)

Sub Code	Meaning	Cause	Remedy
10	Independent control slave side coordinated motion specification error.	Setting error	The independent control slave side, can not be coordinated motion. Please correct the job.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4524: CANNOT EXECUTE INST(CONCUR JOB)

An error occurred at concurrent job execution.
There was an instruction that cannot be executed such as move instruction in the concurrent job.

Sub Code	Meaning	Cause	Remedy
		Setting error	Delete an instruction that cannot be executed such as move instruction in the concurrent job.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4525: CANNOT EXECUTE SPECIFIED JOB

The specified JOB couldn't be executed.

Sub Code	Meaning	Cause	Remedy
1	An interrupt job (user setting) is started up during the back operation.	Setting error	Check the job so that the interrupt job will not start-up during the back operation.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	An suspend macro job is started up during the back operation.	Setting error	Check the job so that the suspend macro job will not start-up during the back operation.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	An interrupt job (inside the system) is started up during the back operation.	Setting error	Check the job so that the interrupt job will not start-up during the back operation.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	A FOLGE job is started up from a job except the registered master job.	Setting error	Check the job so that the FOLGE job will start-up from the registered master job.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4527: UNDEFINED PORT NO.(AOUT)

Incorrect analog output port number.
The specified analog output port number was not allowed.

Sub Code	Meaning	Cause	Remedy
		Setting error	Check the settings for the specified analog output port number.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4528: SYNTAX ERROR

An error occurred in the instruction syntax.

Sub Code	Meaning	Cause	Remedy
1	A syntax error was found in the IF sentence.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4529: TWIN COORDINATED ERROR

An error occurred at twin synchronization execution.

Sub Code	Meaning	Cause	Remedy
1	A job without control group was started by SYNC instruction.	Setting error	Check the control group setting of the job to be started by SYNC.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	A job only with robot axes was started by SYNC instruction.	Setting error	Check the control group setting of the job to be started by SYNC.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	A job only with master control group axes was started by SYNC instruction.	Setting error	Check the control group setting of the job to be started by SYNC.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	At full synchronization, the completion timings of move instructions for the master and the slave disagreed.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
5	At full synchronization, no operation request from the master was sent.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4529: TWIN COORDINATED ERROR (continued)

Sub Code	Meaning	Cause	Remedy
6	At full synchronization, the execution timings of move instructions for the master and the slave disagreed.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7	The twin synchronous ID number is incorrect.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8	An attempt was made to execute triple synchronization when specified Sub-master for the master was different.	Setting error	Match the system number specification of the master between the job to be started by SYNC.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4530: CONVEYOR TRACKING ERROR

An error occurred in conveyor synchronization execution.

Sub Code	Meaning	Cause	Remedy
1	The base axis specification is other than 1 or 2 for conveyor characteristic file.	Setting error	Set the base axis specification of conveyor characteristic file to either 0, 1, or 2.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	No robot axis in the job for robot axis tracking	Setting error	Correct the job setting so that the robot axis tracking is executed in the job where robot axis exists.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	No base axis in the job for base axis tracking	Setting error	Correct the job settings so that the base axis tracking is executed in the job where base axis exists.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	The conveyor board number and conveyor characteristic file number used are incorrect.	Setting error	Check the specification of conveyor condition file number for use.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
5	There was no conveyor start position data at prereading processing.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
10	No base axis in the job for arc tracking	Setting error	Correct the job setting so that the arc tracking is executed in the job where robot axis exists.

4530: CONVEYOR TRACKING ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
11	The set value for the TRACKING CORRECTION in a Conveyor condition file is abnormal.	Setting error	Set a larger value for the TRACKING CORRECTION in the Conveyor condition file to be used.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4531: UNDEFINED CONVEYOR COND FILE

Conveyor characteristic file is not set.
"Use state" of the conveyor characteristic file set for the job is not set to "1: Use".

Sub Code	Meaning	Cause	Remedy
	Sub Code: Conveyor characteristic file number	Setting error	Set "Use state" of conveyor characteristic file to "1: Use."
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4532: CONVEYOR SPEED DOWN

The conveyor speed decreased below the "Conveyor Lowest Speed" set in the conveyor characteristic file.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Conveyor number	Setting error	Correct the "Conveyor Lowest Speed" set in the conveyor characteristic file.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4533: ARITHMETIC ERROR(CV TRACKING)

An error occurred when conveyor tracking was being used.

Sub Code	Meaning	Cause	Remedy
1	Designation error of the conveyor tracking control-group	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	Designation error of the user coordinates for the conveyor tracking	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4533: ARITHMETIC ERROR(CV TRACKING) (continued)

Sub Code	Meaning	Cause	Remedy
3	An attempt was made to use the conveyor tracking function with the slave manipulator at coordinate motion.	Setting error	The conveyor tracking cannot be executed to the slave manipulator of the coordinate system. Correct the job so that the conveyor tracking perform by the robot unit or without coordinated motion.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	Zero is set for the resolution for the turn-table synchronization.	Setting error	Check the settings for the resolution.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4534: TORQUE INTERFERENCE

The load torque of an axis motor exceeded the allowable value when the manipulator is operating at the specified speed.

Sub Code	Meaning	Cause	Remedy
		Setting error	Check the following settings. • Correctly set the weight information in the tool file. (Are the weight: W and the number set to the load value of either Xg, Yg or Zg?) • Reduce the speed in the step where the alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4535: TARGET VARIABLE TYPE UNMATCHED

An error occurred when the system variable was obtained .

Sub Code	Meaning	Cause	Remedy
0	An attempt was made to obtain the byte type system variable by the other type variable.	Setting error	Obtain as the byte type variable.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1	An attempt was made to obtain the integer type system variable by the other type variable.	Setting error	Obtain as the integer type variable.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	An attempt was made to obtain the double-precision integer-type system variable by the other type variable.	Setting error	Obtain as the double-precision integer-type variable.

4535: TARGET VARIABLE TYPE UNMATCHED (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	An attempt was made to obtain the real-number type system variable by the other type variable.	Setting error	Obtain as the real-number type variable.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	An attempt was made to obtain the character-string type system variable by the other type variable.	Setting error	Obtain as the character-string type variable.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4538: ROBOT AXIS TRACKING INVALID

An error occurred while performing robot axis tracking.

Sub Code	Meaning	Cause	Remedy
0	"SYMOVJ" instruction is executed at robot-axis tracking.	Setting error	Do not use "SYMOVJ" instruction in robot axis tracking.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4539: CORNER R CONTROL ERROR

An error occurred at corner-R execution.

Sub Code	Meaning	Cause	Remedy
1	The Corner-R motion cannot be used for coordinated motion.	Setting error	Do not use the Corner-R motion for coordinated motion.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	An attempt was made to execute the Corner-R motion for the same point.	Setting error	Check the settings for the teaching so that the start step and end step are not on the same point.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	The Corner-R zone is taught on a straight line.	Setting error	Check the settings for teaching so that the Corner-R zone is not on a strait line.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4539: CORNER R CONTROL ERROR (continued)

Sub Code	Meaning	Cause	Remedy
4	The start position or end position for the Corner-R motion could not be calculated inside the start zone or the end zone.	Setting error	Check the following settings. • Make the setting for the Corner-R radius small. • Make the moving amount of the Corner-R start step long. • Make the moving amount of the Corner-R start end long.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
5	The Corner-R motion cannot be used for coordinated motion (with master manipulators).	Setting error	Do not use the Corner-R motion for master manipulators at coordinated motion.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
6	The Corner-R motion cannot be used for MOVC, MOVS, and EIMOVC instructions.	Setting error	Use a MOVL instruction when using the Corner-R motion.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7	The Corner-R motion is disabled during weaving.	Setting error	Do not perform weaving when using the Corner-R motion.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8	Different tool numbers are set in a Corner-R zone (for the Corner-R middle step and end step).	Setting error	Use the same tool number in a Corner-R zone.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
9	The Corner-R motion is disabled when the higher-order acceleration/deceleration is specified.	Setting error	Disable the higher-order acceleration/deceleration when using the Corner-R motion.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
17	The Corner-R motion is disabled during conveyor tracking.	Setting error	Do not perform the conveyor tracking when using the Corner-R motion.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
18	Arithmetic error occurred when calculating the acceleration and deceleration time for the Corner-R operation	Setting error	Do not perform the conveyor tracking when using the Corner-R motion.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4539: CORNER R CONTROL ERROR (continued)

Sub Code	Meaning	Cause	Remedy
19	Arithmetic error occurred when calculating acceleration and deceleration during test run in consideration of servo delay for the Corner-R motion.	Setting error	Do not perform the conveyor tracking when using the Corner-R motion.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4540: JOB QUE EMPTY ERROR

No job queue data.
"QUE" is used in CALL or JUMP instruction under the condition that no job queue is used.

Sub Code	Meaning	Cause	Remedy
		Setting error	Use "CALL QUE" under the condition that the job data is set to the job queue .
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4541: INVALID INPUT STRING(VAL)

An error occurred at VAL instruction execution.
A character string could not be converted to a numerical value.

Sub Code	Meaning	Cause	Remedy
1	There was no character string representing a constant in character string to be extracted at VAL instruction execution.	Setting error	Check the settings for the data of the character string to be extracted.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4542: MRESET ERROR

An error occurred at MRESET instruction execution.

Sub Code	Meaning	Cause	Remedy
1	An MRESET instruction was executed while no endless axis was designated.	Setting error	Set the endless axis.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4543: STACK LESS THAN 0(JOB CALL)

An error occurred at job return.
An error occurred in control of job call stack.

Sub Code	Meaning	Cause	Remedy
	At job return, an attempt was made to fetch a data from an empty job call stack or to stack a data in the job call stack that is full.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4544: MID$ INST ERROR

An error occurred at MID$ instruction execution.
The character string could not be extracted.

Sub Code	Meaning	Cause	Remedy
1	The first character of character string to be extracted is null at MID$ instruction execution.	Setting error	Check the settings for the data of the character string to be extracted.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	The extraction start position exceeds the character string length at MID$ instruction execution.	Setting error	Check the settings for the data of the character string to be extracted.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4546: CANNOT EXECUTE SYSTEM JOB

The system job could not be executed.
An error in the system start number of system job.

Sub Code	Meaning	Cause	Remedy
	Sub Code: System number	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4547: PRIMITIVE ERROR

An error occurred in OS.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Error code	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4548: CANNOT OPERATE SPECIFIED EVENT

The specified event could not be operated at INIEVNT instruction execution.

Sub Code	Meaning	Cause	Remedy
	Sub Code: System number	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4549: NOT EXECUTION OF INIEVNT

INIEVNT instruction was not executed before having executed the event related process.

Sub Code	Meaning	Cause	Remedy
	Sub Code: System number	Setting error	Execute an INIEVNT instruction before executing an event related instruction.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4550: CANNOT EXECUTE INST(USER JOB)

The specified instruction in the user job could not be executed.

Sub Code	Meaning	Cause	Remedy
	Sub Code: System number	Setting error	This instruction cannot be executed in the system job. Correct the job so that the instruction is executed in the user job.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4565: SOFTWARE UNMATCH

The used function and the system are inconsistent.

Sub Code	Meaning	Cause	Remedy
2	The observer function is not used.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	The TURBO function is not used.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
5	The conveyor synchronization function is not used.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
6	The shared motion function is not used.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4565: SOFTWARE UNMATCH (continued)

Sub Code	Meaning	Cause	Remedy
7	The layer motion function is not used.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8	The general sensor function is not used.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
9	The servo float function is not used.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
10	The laser cutting function (with small circle cutter) is not used.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
12	The speed control function (VCON/VCOF) is not used.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
13	The servo hand function (for handling application) is not used.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
14	The laser cutting function (for form cutting operation) is not used.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
15	The series communication function between the systems (PSEND/PRECV) is not used.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
16	The motion extension function is not used.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
18	The ME-NET function is not used.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
19	The MEMO-PLAY function is not used.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
20	The 3D-SHIFT function is not used.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4565: SOFTWARE UNMATCH (continued)

Sub Code	Meaning	Cause	Remedy
21	The Equalization function is not used.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
255	An attempt was made to execute an undefined instruction.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4566: USER FRAME MAKING ERROR

An internal control error occurred at preparation of a user coordinates.

Sub Code	Meaning	Cause	Remedy
1	The teaching points are incorrect.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	The teaching points for user-coordinate turning are incorrect.	Setting error	Among three taught points in the teaching position. Teach the three points again so that they do not lie in the straight line.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	The robot axis is not specified for the control group of the job to prepare the user coordinates.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
5	Position data error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
6	Setting error of the slave group for user coordinate conversion	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4571: SERVO FLOAT MODE RELEASE ERR

The servo float mode could not be reset when executing a FLOATOF instruction.

Sub Code	Meaning	Cause	Remedy
		Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4579: ANTICIPATION CONTROL ERROR

An error occurred in the anticipation control processing.

Sub Code	Meaning	Cause	Remedy
1	No availability in anticipation control	Setting error	Maximum simultaneous execution number of anticipation control is twenty. Correct the settings for the job so that it is within twenty.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	The anticipation data exceeded the maximum length.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	anticipation control did not complete within the setting time.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4580: ANTICIPATION DISTANCE NOT ENOUGH

Anticipation could not be executed at re-painting.
No return step in re-painting function after emergency stop.

Sub Code	Meaning	Cause	Remedy
		Setting error	Operate the manipulator to the start position of the step where the alarm occurred, and then re-execute.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4581: DEFECTIVE ANTICIPATION OT FILE

An error occurred in the anticipation output file.

Sub Code	Meaning	Cause	Remedy
1	Incorrect setting of OT output number for anticipation output file	Setting error	Check the setting value of OT output number.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	Incorrect setting of OG output number for anticipation output file	Setting error	Check the setting value of OG output number.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4584: STRWAIT TIME LIMIT

An error occurred when executing a STRWAIT instruction.
No confirmation signal specified in the stroke change confirmation instruction was input within the set time.

Sub Code	Meaning	Cause	Remedy
		Setting error	Check the cause such as defective limit switch.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4585: SERVO PG ON ERROR

The encoder (PG) power supply could not be turned ON.

Sub Code	Meaning	Cause	Remedy
		Connection failure	1. Reset the alarm, and then try again. 2. If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • Each axes encoder cable
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4590: NO SERVO HAND CONTROL GROUP

The control group was not set for the servo hand control.

Sub Code	Meaning	Cause	Remedy
		Setting error	Set the "servo hand axis" in the control group setting of maintenance mode.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4591: SPEED CTRL MODE SET ERR(SERVO)

The speed control mode could not be set at VCON instruction execution.

Sub Code	Meaning	Cause	Remedy
		Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4592: SPEED CTRL MODE CANCEL ERR(SV)

The speed control mode could not be released at VCON instruction execution.

Sub Code	Meaning	Cause	Remedy
		Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4593: SVHAND CTRL MODE SET ERR(SERVO)

The servo hand control mode could not be set at SHPICK instruction execution.

Sub Code	Meaning	Cause	Remedy
		Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4594: SVHND CTRL MODE CANCEL ERR(SV)

The servo hand control mode could not be set at SHPLACE instruction execution.

Sub Code	Meaning	Cause	Remedy
		Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4595: CAN'T DO FIXED FORM CUT MOTION

An error occurred at form cutting operation.

Sub Code	Meaning	Cause	Remedy
1	The setting for radius is incorrect. 1. For a circle, it is incorrectly set as: radius <= 0, radius < minimum radius value, or radius > maximum radius value. 2. For an ellipse, it is incorrectly set as: radius <= 0, radius < minimum radius value/2, or radius > (maximum radius/2 - width/2).	Setting error	Check the following settings. • Setting of the radius data
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4595: CAN'T DO FIXED FORM CUT MOTION (continued)

Sub Code	Meaning	Cause	Remedy
2	The setting for width is incorrect. 1. For a rectangle, it is incorrectly set as: width < 1.0, width > sqrt (maximum diameter2 - height2), or width > maximum diameter. 2. It is incorrectly set as: width < 0, width > maximum diameter -2 * radius.	Setting error	Check the following settings. • Setting of the width data
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	The setting for height is incorrect. For a rectangle, it is incorrectly set as: height > maximum diameter, height < minimum diameter/2, or height > sqrt (maximum diameter2 - width2).	Setting error	Check the following settings. • Setting of the height data
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	The setting for the corner radius is incorrect. For a rectangle, it is incorrectly set as: corner radius > width/2 or corner radius > height/2.	Setting error	Check the following settings. • Setting of the corner radius
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
5	The setting for overlap is incorrect. 1. For a rectangle, it is incorrectly set as overlap > width/2. 2. For a circle, it is incorrectly set as overlap > ABS (2Pi * radius). 3. For an ellipse, it is incorrectly set as overlap > Pi * radius +ABS (width/2).	Setting error	Check the following settings. • Setting of the overlap data
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
6	The setting for the cutting speed is incorrect. It is set as the cutting speed > maximum linear speed.	Setting error	Check the following settings. • Setting of the cutting speed
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4595: CAN'T DO FIXED FORM CUT MOTION (continued)

Sub Code	Meaning	Cause	Remedy
7	Coordinated motion cannot be used with the Form Cutting motion.	Setting error	Do not use the coordinated motion.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8	Zero or a negative value is set in the minimum diameter parameter (S1CxG063) for the Form Cutting motion.	Setting error	Check the following settings. • The setting of the minimum diameter parameter (S1CxG063) for the Form Cutting motion.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
9	Zero or a negative value is set in the maximum diameter parameter (S1CxG064) for the Form Cutting motion.	Setting error	Check the following settings. • The setting of the maximum diameter parameter (S1CxG063) for the Form Cutting motion.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
10	Although "PLACEMENT" or "AUTO" is set for the start point designation on the FORM CUT SETTING window, the FORMAPR instruction was not executed.	Setting error	Execute the FORMAPR instruction.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
11	The Cut file setting of the FORMAPR instruction is different from that of the FORMCUT instruction.	Setting error	The Cut file settings of FORMAPR and FORMCUT instructions must be same.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
12	A FORMAPR instruction was used for the conventional FORMCUT instruction.	Setting error	Check the following settings. • The FORMAPR instruction cannot be used for the conventional FORMCUT instruction. • Validate the new FORMCUT instruction.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
13	A form other than a circle, rectangle, and ellipse was designated for the conventional FORMCUT instruction.	Setting error	Check the following settings. • A form other than a circle, rectangle, and ellipse cannot be designated for the conventional FORMCUT instruction. • Validate the new FORMCUT instruction.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4595: CAN'T DO FIXED FORM CUT MOTION (continued)

Sub Code	Meaning	Cause	Remedy
90	The radius data setting for special circular interpolation is incorrect. It is incorrectly set as the radius <= 0.	Setting error	Check the following settings. • Setting of the radius data
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
91	The arc center coordinates could not be calculated at special circular interpolation. Incorrect teaching may be the cause.	Setting error	Check the following settings. • Setting of the teaching
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
93	The averaging time at special circular interpolation motion is too short.	Setting error	Check the following settings. • Moving distance • Motion speed
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
94	Because the designated plane included reference points at special circular interpolation motion, the arc center coordinates could not be calculated. Incorrect teaching of the reference point 2 may be the cause.	Setting error	Check the following settings. • Setting of the reference point 2
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
100	The arc center position is not set for the special circular interpolation motion.	Setting error	Check the settings for the reference point 1 as the arc center position.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4596: FORMCUT ERROR

An error occurred at FORMCUT instruction execution.

Sub Code	Meaning	Cause	Remedy
1	An attempt was made to re-execute the FORMCUT instruction after interrupting it.	Execute condition failure	Re-execute the move instruction executed before the FORMCUT instruction, and then execute the FORMCUT instruction again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4597: OFFLINE POSITION DATA CONVERT ERR

An internal control error occurred at offline position data conversion.

Sub Code	Meaning	Cause	Remedy
1	Incorrect information of reference position data for offline position data conversion	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	Incorrect user-coordinate number designation in the standard position data for offline position data conversion	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	Incorrect reference-point data for offline position data conversion	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	The standard position data for offline position data conversion could not correctly be calculated.	Setting error	The variable position may be out of the robot motion range. Check if the variable position is within the robot motion range.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
5	Incorrect pulse incremental value for offline position data conversion	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
6	The position data could not correctly be added by the pulse incremental value at the offline position data conversion.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7	Incorrect Cartesian incremental value for offline position data conversion	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8	The position data could not correctly be added by the Cartesian incremental value at the offline position data conversion.	Setting error	The variable position may be out of the robot motion range. Check if the variable position is within the robot motion range.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
9	The position conversion could not be done in the designated coordinate system at the offline position data conversion.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
10	Incorrect incremental value of angle for offline position data conversion	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4597: OFFLINE POSITION DATA CONVERT ERR (continued)

Sub Code	Meaning	Cause	Remedy
11	The position data could not correctly be added by the incremental value of angle at the offline position data conversion.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
12	The reverse shift value for 3D shifting could not correctly be calculated at the offline position data conversion.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
13	The reverse shift value for 3D shifting could not correctly be added at the offline position data conversion.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
14	The reverse shift value could not correctly be calculated at the offline position data conversion.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
15	The reverse shift value could not correctly be calculated at the offline position data conversion.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
16	The 3D shifting value could not correctly be added at the offline position data conversion.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
17	The shift value could not correctly be added at the offline position data conversion.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
18	No reference point is specified for the offline position data conversion.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
19	The positions for the mirror shift function could not correctly be calculated at the offline position data conversion.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
20	The positions could not correctly be converted for the mirror shift function at the offline position data conversion.	Setting error	The variable position may be out of the robot motion range. Check if the variable position is within the robot motion range.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
21	The expansion positions for the mirror shift function could not correctly be converted at the offline position data conversion.	Setting error	The variable position may be out of the robot motion range. Check if the variable position is within the robot motion range.

4597: OFFLINE POSITION DATA CONVERT ERR (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
22	Incorrect designation of coordinates for a new mirror-shift conversion function at the offline position data conversion	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4599: SERVO COMMAND ERROR

The command could not be sent to the servo section.

Sub Code	Meaning	Cause	Remedy
	An attempt was made to issue the command while the servo control processing has not completed. Sub Code: Servo CPU bit number	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4604: SPECIFIED ERR(ABSO RECOVER AXIS)

No home position correction data of specified axis.

Sub Code	Meaning	Cause	Remedy
		Setting error	Check the following settings. • Registration for the home position correction data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4605: SETTOOL ERROR

An error occurred when executing a SETTOOL instruction.
The difference between the current tool constant and a new set value exceeded the allowable range (parameter set value).

Sub Code	Meaning	Cause	Remedy
1	The difference between the current tool constant and a new set value exceeded the allowable range (parameter set value).	Setting error	Check the following settings. • Correct the job so that the setting value of tag is allowable value. • Set the allowance amount of the tool data automatic setting function maximum deviation (S3C1192) to large value.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4605: SETTOOL ERROR (continued)

Sub Code	Meaning	Cause	Remedy
2	The difference between the monitoring condition of tool and a new set value exceeded the allowable range (parameter set value).	Setting error	Check the following settings. • Correct the job so that the setting value of tag is allowable value. • Set the allowance amount of the tool data automatic setting function maximum deviation (S3C1193) to large value. • Set the monitoring condition of the tool data properly.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4606: LACK OF GLOBAL VARIABLE AREA

The memory area of global variable exceeded the limit value.
An error occurred in the value of parameter that defines the number of global (user) variables.

Sub Code	Meaning	Cause	Remedy
		Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4607: WRONG EXECUTION OF MACRO INST

An error occurred at macro instruction execution.

Sub Code	Meaning	Cause	Remedy
1	The execution macro job is not set.	Setting error	Check the settings for execution macro job.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	The suspend macro job is not set.	Setting error	Check the settings for suspend macro job.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	An attempt was made to start the job that could not be started by the macro instruction.	Setting error	Check the settings for macro job.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
5	An error occurred in the operation process of job call stack when the execution of macro instruction was cancelled.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
6	Incorrect macro number	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4608: WRONG EXECUTION OF GETARG INST

An error occurred at GETARG instruction execution.

Sub Code	Meaning	Cause	Remedy
1	The job argument is not set.	Setting error	Check the settings for jobs.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	No number of the specified job argument	Setting error	Check the settings for jobs.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	The data types of job argument disagreed.	Setting error	Check the settings for jobs.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4609: MEMOPLAY ERROR

An error occurred at memory play execution.

Sub Code	Meaning	Cause	Remedy
2	The memory play file was being used in another system.	Setting error	Check the setting of the used memory play file number.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
5	The control group in the memory play file did not agree with the control group of execution job.	Setting error	Check the control group setting of the used memory play file.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
6	An attempt was made to clear the memory play file by a CLEAR instruction before having executed a MEMOF instruction.	Setting error	Execute the MEMOF instruction, and then execute the CLEAR instruction.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4610: MEMOPLAY SAMPLING ERROR

An error occurred at memory play execution.

Sub Code	Meaning	Cause	Remedy
1	Failed to read the memory play sampling data.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	Failed to write the memory play sampling data.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	Failed to seek the memory play sampling data.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	Failed to read the memory play file.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
5	Incorrect mode setting at memory play sampling	Setting error	Check the settings for the memory play mode.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
6	Incorrect designation of the control group at memory play sampling	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7	Designation of the control group in the memory play file did not agree with the designation of the control group at MEMON instruction execution (when the start point was specified).	Setting error	Check the number of the memory play file for use.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8	Designation of the control group in the memory play file did not agree with the designation of the control group at MEMON instruction execution (at initialization).	Setting error	Check the number of the memory play file for use.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
9	Designation of the control group in the memory play file did not agree with the designation of the control group at MEMON instruction execution (at continue).	Setting error	Check the number of the memory play file for use.

4610: MEMOPLAY SAMPLING ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
10	It started reproducing though it did not record.	Setting error	Record and then play.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
11	Correction amount to record is out of the allowable range.	Setting error	Correct the position of object workpieces so that the correction amount fall within allowable range.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
12	The number of recorded correction-amount exceeded the limit.	Setting error	Correct the job so that the movement section of memory play object is shorter.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
13	Memoplay file Create error (REC)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
14	Memoplay debug error C_ BANK.func_ctrl (initial)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
15	Memoplay debug error C_ BANK.func_ctrl (continue)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
16	Memoplay debug error C_ BANK RT_BANK.func_ctrl (continue)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
17	Memoplay debug error MOVL, MOVC (continue)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
18	Memoplay debug error Same point, moving amount is zero (continue)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
19	Memoplay debug error Dividing number error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4611: OVER OPTON INST EXECUTION LIMIT

An error occurred when executing a OPTON instruction.
The number of times that the OPTON instruction was executed exceeded the limit value.

Sub Code	Meaning	Cause	Remedy
		Setting error	Check the settings for the OPTON instruction. OPTON instruction can use only the function to five simultaneously.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4612: TSYNC ERROR

An error occurred at the execution of the TSYNC instruction.
The number of synchronizations (SNUM) specified by the TSYNC instruction disagreed.

Sub Code	Meaning	Cause	Remedy
	Sub code: the number of synchronizations of the first executed TSYNC	Setting error	Check the settings for the number of synchronizations of the TSYNC instruction.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4615: I/O AXIS OPERATING

I/O axis motion could not be performed.

Sub Code	Meaning	Cause	Remedy
	An attempt was made to command a job whose control group was in I/O axis motion.	Setting error	Check the following settings. • Does not the I/O axis motion executed for the control group that executing the job? • Does not the job executed for the control group that operating by the I/O axis motion? The control group where the I/O axis is operating cannot execute the job. Moreover, the I/O axis motion cannot perform for the control group where the job is executing.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4616: AXIS SHIFT ERROR

An internal control error occurred when shifting the axis.

Sub Code	Meaning	Cause	Remedy
1	The file could not be switched because of incorrect start point designation.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	The control group with which the axis shifting is performed disagrees with the control group set for the axis shifting function in the calibration file.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	The calibration file number for axis shifting function is out of the applicable range.	Setting error	Correct the settings for the OPTON instruction tag so that value of the file number specification is 1 to 32.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4617: S/U IMPOSSIBLE MOVE (L/R POS)

For the CSL15D manipulator, SU-axes cannot be operated in the position of the present L- and R-axes.

Sub Code	Meaning	Cause	Remedy
1	For the CSL15D manipulator, the motion speed of S- and U-axes exceeded the upper limit.	Setting error	Check the following settings. • Reduce the teaching speed of S- and U-axes. • Teach the positions of L- and R-axes again so that S- and U-axes can move.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	For the CSL15D manipulator, S- and U-axes were going to move regardless of the limit speed "0" when the positions of L- and R-axes exceeded the upper limit.	Setting error	Teach the positions of L- and R-axes again so that S- and U-axes can move.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4618: SHIFT INST EXECUTE ERROR

An internal control error occurred at execution of the SHIFT instruction.

Sub Code	Meaning	Cause	Remedy
1	For the tool shift with Euler angle plus or minus90 degrees, the shift value for axes other than Y-axis is set.	Setting error	Check if the shift value is setting for Y-axis only.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4619: UNDEFINED JOB ENTRY TABLE

An error occurred in job registration table.
The job registration table is not set.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Designated registration number	Setting error	Check the settings for the job registration table.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4620: ARM (TOOL) INTERFERENCE

Parts and tool of manipulators were about to interfere with each other.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Group(Interferening) &Axis(Interfering)&Group (Interfered)&Axis(Interfered)	Setting error	Check the following settings. • Change the teaching so that the manipulators specified by sub code will not interfere with each other. • Check if the tool model (Tool interference file) of the manipulator specified by sub code is correctly set. • Check if calibration between the manipulors are correctly set.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4622: SELF-INTERFERENCE

Each part and tool of the manipulator was about to interfere with each other.

Sub Code	Meaning	Cause	Remedy
	Sub code: Group&Axis (Interfering)&Axis(Interfered)	Setting error	Check the following settings. • Change the teaching so that each part of the manipulator specified by sub code will not interfere. • Check if the tool model (Tool interference file) displayed by sub code is correctly set.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4623: WRONG EXECUTION OF GETPOS INST

An error occurred when executing a GETPOS instruction.

Sub Code	Meaning	Cause	Remedy
1	An attempt was made to obtain the step that used a local position type variable. (The step with local position type variable cannot be fetched. Example: MOVJ LP000 VJ=25.00)	Setting error	Check the settings for the GETPOS instruction.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	An attempt was made to obtain the step that used a local position type variable. (The step with local position type variable cannot be fetched. Example: MOVJ LP000 VJ=25.00)	Setting error	Check the settings for the GETPOS instruction.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	The specified step did not exist.	Setting error	Check the settings for the GETPOS instruction.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4624: PLUG VOLUME SETTING ERROR

Incorrect setting of amount of fillings.

Sub Code	Meaning	Cause	Remedy
		Setting error	Check the setting for the amount of fillings.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4625: WRONG EXECUTION OF LOADDB INST

An error occurred when executing a LOADDB instruction.

Sub Code	Meaning	Cause	Remedy
1	No file	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	No directory	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4625: WRONG EXECUTION OF LOADDB INST (continued)

Sub Code	Meaning	Cause	Remedy
4	There was no directory entry after this point.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-1	No file name	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-2	File presence error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-3	Incorrect file name	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-4	The disk is full.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-5	The directory is full.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-6	I/O error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-7	Invalid handle	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-8	Handle overflow	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-9	File has already been opened.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-10	File attribute error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-11	Open mode error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4625: WRONG EXECUTION OF LOADDB INST (continued)

Sub Code	Meaning	Cause	Remedy
-12	The hardware disk with large capacity is used.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-14	The door is open.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-15	The disk is write-protected.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-30	Card controller access error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-31	No card	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-32	Card drive information readout error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-33	Partition table error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-34	No drive number	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-35	No specified partition number	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-36	Cluster size error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-37	Incorrect number of sectors	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-38	Sector/byte error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4625: WRONG EXECUTION OF LOADDB INST (continued)

Sub Code	Meaning	Cause	Remedy
-40	Card not applicable for I/O	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-41	Unsupported version	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-42	The setting register did not exist.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-43	Card not applicable for ATA	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-44	Double chain error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-45	Media error (not fixed disk)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-50	ATA command incomplete	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-51	Sector read command error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
-52	Sector write command error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4626: IMPOSSIBLE S-AXIS MOV(IN SPHERE)

An error occurred at S-axis high-speed rotation.
The S-axis rotation radius was below the lower limit.

Sub Code	Meaning	Cause	Remedy
		Setting error	Check the settings for the limit distance for S-axis rotation center motion (S1CG067).
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4628: WRITE VARIABLE NO. MULTI SETTING

An error in the variable number setting.
Duplicated usage of the written destination variable numbers.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Duplicated variable number	Setting error	Check the settings for the written destination variable numbers.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4629: GROUP CHANGE ERROR

An error occurred at group change execution.

Sub Code	Meaning	Cause	Remedy
1	The group change parameter was invalid.	Setting error	Validate the group change parameter.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	The GRPCHG instruction was executed while the external axis motor was servo ON.	Setting error	Execute the GRPCHG instruction when the external axis motor was servo OFF.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	The GRPCHG instruction was executed in unchuck status.	Setting error	Execute the GRPCHG instruction in chuck status.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	The group identification signal was not received.	Setting error	Check the settings for group identification signal.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
5	The specified control group number and the group identification number were unmatched.	Setting error	Check the settings for the specified control group number.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
6	The encoder PG power supply was OFF when the GRPCHG was ON.	Setting error	Turn ON the encoder PG power supply when GRPCHG is ON.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7	The encoder PG power supply was ON when the GRPCHG was OFF.	Setting error	Turn OFF the encoder PG power supply when GRPCHG is OFF.

4629: GROUP CHANGE ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8	The control group that corresponded to the received group identification signal did not exist.	Setting error	Check the settings for group identification signal.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4631: DEFECTIVE OPERATION VELOCITY

The manipulator motion speed failed to reach the specified work speed.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Control group and axis	Setting error	Check if the speed is hold down by the speed override and special operations etc.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4635: CANNOT EXECUTE COMMON JOB

The called job could not be executed because the specified control group was shared with the called job.

Sub Code	Meaning	Cause	Remedy
	Sub Code: The related control-group	Setting error	Check the settings for control group specified by the CALL instruction.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4637: TRACK CHG WORK IN/NOT NOT FOUND

No workpiece presence/absence data at switching the synchronization section.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Conveyor characteristic file number	Setting error	Check the workpiece presence/absence and data settings for the synchronization section.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4638: TRACKING CHG WORK ID NOT FOUND

No workpiece type data at switching the synchronization section.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Conveyor characteristic file number	Setting error	Check the workpiece presence/absence and data settings for the synchronization section.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4639: SYMOVJ INST EXECUTE ERROR

SYMOVJ motion could not be performed.

Sub Code	Meaning	Cause	Remedy
2	The conveyor moving amount is not specified for the SYMOVJ motion.	Setting error	Set the conveyor moving amount for the SYMOVJ motion.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	An error occurred in the preparation process of the manipulator motion start position for the SYMOVJ motion.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	An error occurred in the preparation process of the manipulator motion end position for the SYMOVJ motion.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4640: WRONG EXECUTION OF PSTART INST

An error occurred at PSTART execution.

Sub Code	Meaning	Cause	Remedy
1	No axis data of control group to be disconnected	Setting error	Check the settings for PSTART instruction.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	An attempt was made to disconnect a control group other than the occupation control group during prereading processing.	Setting error	Check the settings for PSTART instruction.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4640: WRONG EXECUTION OF PSTART INST (continued)

Sub Code	Meaning	Cause	Remedy
3	An attempt was made to disconnect a control group other than the occupation control group when executing a PSTART instruction.	Setting error	Check the settings for PSTART instruction.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4641: CANNOT EXECUTE JOB(SEPARATE GRP)

The disconnected control group could not be moved.
The control group disconnected by itself was used for its own move instruction.

Sub Code	Meaning	Cause	Remedy
	Sub Code: The disconnected control group used by a move instruction	Setting error	Correct the teaching so that the control group disconnected by itself is not to operate for move instruction of own system.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4645: NOT PERMIT FIXED-WEAV ON SWVON

Hover weaving could not be executed.
The hover weaving is disabled in coordinated motion.

Sub Code	Meaning	Cause	Remedy
		Setting error	Check the settings for jobs.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4648: FILE TRANSFER ERROR(ARITH)

An error occurred when transfering the file to the controller.

Sub Code	Meaning	Cause	Remedy
1	Motion range file transfer error	Setting error	Check if the motion range file is correctly set.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	Part motion range file transfer error	Setting error	Check if the part motion range is correctly set.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4649: PARTIAL MOTION RANGE INTRF.

The manipulator was about to interfere with the partial motion range.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Interference control group number & interference axis & interference area number.	Setting error	Check the setting of the teaching position of the manipulator.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4650: TRQ CLEAR ERROR

Couldn't clear the Max Torque when performing TRQCLS.

Sub Code	Meaning	Cause	Remedy
		Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4651: PALLETIZING EXECUTE ERROR

An error occurred at palletizing instruction execution.

Sub Code	Meaning	Cause	Remedy
1	The setting of the palletizing condition configuration file is incomplete.	Setting error	Set the palletizing condition setting file to "Completed."
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	Palletize completion universal output number range exceeds the limit.	Setting error	Change the palletize completion universal output signal number of the palletizing condition setting file in the user output signal point of contact number.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
5	During the palletize start instruction execution, the palletize start instruction is executed again (double execution).	Setting error	Delete the palletize start instruction in the palletize section.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
6	The value of the palletizing number present value output register (or I variable) is more than the total number output register (or I variable).	Setting error	Check if the palletizing number of current position output register (or I variable) and total number of output register (or I variable) is not changed by another function.

4651: PALLETIZING EXECUTE ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7	Palletize completion universal output signal is turned ON at palletize start instruction execution.	Setting error	Reset the palletize completion universal output signal.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8	Palletize end instruction is not registered.	Setting error	Register the palletizing end instruction.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4652: TRQ MEASURE MODE SET ERR(SV)

Couldn't set to Constant speed torque measure mode when perfomring MEASON TRQ.

Sub Code	Meaning	Cause	Remedy
		Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4653: TRQ MEASURE MODE CANCEL ERR(SV)

Couldn't release the Constant speed torque measure mode when perfomring MEASOF TRQ.

Sub Code	Meaning	Cause	Remedy
		Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4654: WRONG EXECUTION OF SETREG INST

An error occurred at SETREG instruction execution.

Sub Code	Meaning	Cause	Remedy
1	An attempt was made to change the value of the analog input register.	Setting error	The SETREGM instruction cannot change the analog input register values. Correct the setting of tag that specifies register number of SETREG instruction.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	An attempt was made to change the value of the register currently used by TMR/CNT.	Setting error	The SETREGM instruction cannot change the register values used in TMR/CNT. Correct the setting of tag that specifies register number of SETREG instruction.

4654: WRONG EXECUTION OF SETREG INST (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
65535	An attempt was made to change the value of the register currently used by TMR/CNT.	Setting error	Correct the setting of tag that specifies register number of SETREG instruction.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4655: WRONG EXECUTION OF GETREG INST

An error occurred at GETREG instruction execution.

Sub Code	Meaning	Cause	Remedy
65535	An attempt was made to acquire the value of the register not existing.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4656: WRONG EXECUTION OF SETPRM INST

An error occurred at SETPRM instruction execution.

Sub Code	Meaning	Cause	Remedy
1	An attempt was made to change a parameter other than the cube-related parameter.	Setting error	The SETPRM instruction cannot change the parameter values other than the parameter related to the cube. Correct the setting of tag that specifies parameter number of SETPRM instruction.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	The SETPRM instruction was executed while another system was in execution.	Setting error	The SETPRM instruction cannot execute while another system is operating. Correct the job.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4657: WVADJ ERROR

An error occurred in the function of weaving groove width correction.

Sub Code	Meaning	Cause	Remedy
1	The correction amplitude value did not fall in the limit range.	Setting error	Correct the settings for "groove width correction limit value" specified for S2C1259 and 1260.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4658: OVER SPEED LIMIT

The manipulator motion speed attempted to exceed the speed limit.

Sub Code	Meaning	Cause	Remedy
1	The taught speed was going to exceed the limit during the multi arm simultaneous operation.	Setting error	Reduce the teaching speed of the step where the alarm occurred to the speed limit or less.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4661: MEMORY ERROR(PRESS COND FILE)

An error was detected at memory check.
The memory for the press condition file is damaged.

Sub Code	Meaning	Cause	Remedy
	Sub Code: File number	Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4668: MEMORY ERROR(PREVENTION FILE)

An error was detected at memory check.
The memory for the maintenance prevention file is damaged.

Sub Code	Meaning	Cause	Remedy
		Data error	1. Reset the alarm. 2. If the alarm occurs again, initialize the maintenance prevention file in maintenance mode, and then load the maintenance prevention file saved in the external memory device.
		ACP30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4669: DETECT BRAKE SLIP

Brake slip was detected.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred	Module failure(motor)	1. Reset the alarm. 2. If the alarm occurs again, replace the motor. 3. If the alarm of "external brake" is occurred, replace the external brake.
		Setting error	1. Reset the alarm. 2. Check the check torque value settings.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4670: INSUFFICIENT NUM OF SAMPLE DATA

The measurement section is too short.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred	Setting error	1. Reset the alarm. 2. Lengthen the measurement section.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4671: SAMPLE BUFFER OVER FLOW

The measurement section is too long.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred	Setting error	1. Reset the alarm. 2. Shorten the measurement section.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4672: BASIC SPEED UNREACHED

The motion speed could not exceeded the speed specified by BASICV.
The motion speed might have shifted to the speed reduction motion before BASICT has passed because BASICT was too long.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred	Setting error	1. Reset the alarm. 2. Increase the speed specification value of a measurement job or set a small value for BASICV. Or set a small value for BASICT, or lengthen the measurement section.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4673: MAX TRQ UNDETECTED

The measurement data contain the acceleration torque.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred	Setting error	1. Reset the alarm. 2. Set a large value for the BASICT, and then check again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4674: SETE ERROR

An error occurred at SETE instruction execution.

Sub Code	Meaning	Cause	Remedy
1	An attempt was made to set tool for base/station-axis position-type variable.	Setting error	Check the settings for jobs.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4676: BROKEN FAN FUSE

The fuse is blown in the power supply unit.

Sub Code	Meaning	Cause	Remedy
1	Sub Code 1to 8: Signifies the ACP31 board No. in which the alarm occurred	Connection failure	1. Reset the alarm. 2. If the alarm occurs again, check if there is a ground fault or short circuit in the fan power line.
		Fuse failure	(After cancellation of the short-circuit and ground fault) Replace the fuse.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4677: IMPOSSIBLE LINEAR MOTION

Interpolation motion cannot perform from a current form (folded direction of arm) to the form at the target position. The move instruction other than MOVJ instruction, or the movement to the position variable by pressing FWD under the Cartesian jog operation cause error.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Control group and axis	Setting error	Check the following settings. • If the sub code display is L- and U-axes, perform the teaching again to make the form (arm folded direction) of L- and U-axes same at start point and end point. • If the sub code display is S- and L-axes, perform the teaching again to make the form (arm folded direction) of S- and L-axes same at start point and end point. • Change the teaching move instruction to MOVJ instruction. * Be careful to the peripheral interference since its movement changes.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4680: F-SAFE COMMAND ERROR (ACP30)

It was not possible to send commands to the ASF30 board.

Sub Code	Meaning	Cause	Remedy
	The previous command was not completed. Sub Code: Functional safety board station number.	Software operation error occurred	Reset the alarm, and then try again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4681: OVER SPEED(MainCPU)

The operation command which exceeds the designated max. speed was output.
It may occur when the robot operates near the singular point or when the robot is going to change its orientation widely with single control point.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Control group and axis	Setting error	Check the following settings. • Reduce the speed of the step where the alarm occurred. • Change the move instruction to joint interpolation (MOVJ). * Be careful to the peripheral interference since its movement changes.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4684: INTERPOLATION INVALID

Operation to the position and posture in which the interpolation is impossible was occurred.
It may occur when the interpolation motion to the position in which the operation area is exceeded is performed, when the arm expands, or when the interpolation motion to the target position that cannot keep the position and posture is performed.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Control group	Setting error	Check the following settings. • At the Cartesian jog operation, switch to each-axes jog operations, and then change the orientation of manipulator. • Change the teaching position and orientation.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4685: F-SAFE WRITE ERROR

An error occurred when recording the data in the ASF30 board.

Sub Code	Meaning	Cause	Remedy
0	An error occurred in the parameter write operation.	Data error	1. Reset the alarm. 2. Try the write operation again.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1	An error occurred in the file write operation.	Data error	1. Reset the alarm. 2. Try the write operation again.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	Write request has timed out.	Software operation error occurred	1. Reset the alarm. 2. Try the write operation again.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4692: F-SAFE ENCODER BACKUP ERROR

The ASF30 board has detected a decrease in encoder battery.

Sub Code	Meaning	Cause	Remedy
		Encoder battery failure	1. Reset the alarm. 2. If AL4311 occurred simultaneously with this alarm, execute the trouble shooting for the AL4311.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4693: F-SAFE READBACK PROC. ERROR

The ASF30 board has detected a readback process.

Sub Code	Meaning	Cause	Remedy
0	Readback value of CPU1 and CPU2 mismatch.	Data error	1. Reset the alarm. 2. Try the write operation again.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1	Another readback request was issued to the readback process. (Parameter)	Software operation error occurred	1. Reset the alarm. 2. Try the write operation again.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	Another readback request was issued to the readback process. (File)	Software operation error occurred	1. Reset the alarm. 2. Try the write operation again.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	Incorrect file type.	Data error	1. Reset the alarm. 2. Try the write operation again.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.

4693: F-SAFE READBACK PROC. ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	Incorrect file number.	Data error	1. Reset the alarm. 2. Try the write operation again.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
5	Incorrect wirte data.	Data error	1. Reset the alarm. 2. Try the write operation again.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
6	Process order error.	Software operation error occurred	1. Reset the alarm. 2. Try the write operation again.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4696: TURN TABLE CALIBRATION ERROR

An error occurred at the conveyor coordinate creation for the turn-table.

Sub Code	Meaning	Cause	Remedy
1	There was the same point in three points where the calibration had been executed.	Setting error	Correct the calibration position so that each point is different.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	The three points where the calibration had been executed lie in a straight line.	Setting error	Check the calibration position so that the three taught points are not aligned in a straight line.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4696: TURN TABLE CALIBRATION ERROR (continued)

Sub Code	Meaning	Cause	Remedy
3	The three points where the calibration had been executed lie in a straight line.	Setting error	Check the calibration position so that the three taught points are not aligned in a straight line.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4697: OFFLINE ARM BEND POS CONVERT ERR

An error occurred when executing of bending correction job conversion.

Sub Code	Meaning	Cause	Remedy
1	Incorrect information of standard position data for offline arm bend position data conversion	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	Incorrect user-coordinate number in the standard position data for offline arm bend position data conversion	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	Incorrect reference-point data offline arm bend position data conversion	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	The position data could not be converted correctly/conversely for the standard position data at the offline arm bend position data conversion.	Setting error	The variable position may be out of the robot motion range. Check if the variable position is within the robot motion range.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
5	Incorrect pulse incremental value for offline arm bend position data conversion	Setting error	The variable position may be out of the robot motion range. Check if the variable position is within the robot motion range.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
6	The position data could not be converted correctly for the pulse incremental value at the offline arm bend position data conversion.	Setting error	The variable position may be out of the robot motion range. Check if the variable position is within the robot motion range.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7	Incorrect Cartesian incremental value for offline arm bend position data conversion	Setting error	The variable position may be out of the robot motion range. Check if the variable position is within the robot motion range.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4697: OFFLINE ARM BEND POS CONVERT ERR (continued)

Sub Code	Meaning	Cause	Remedy
8	The position data could not be converted correctly for the Cartesian incremental value at the offline arm bend position data conversion.	Setting error	The variable position may be out of the robot motion range. Check if the variable position is within the robot motion range.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
9	The position conversion could not be done in the conversion data for offline arm bend position data conversion.	Setting error	The variable position may be out of the robot motion range. Check if the variable position is within the robot motion range.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
10	Incorrect incremental value of angle for offline arm bend position data conversion	Setting error	The variable position may be out of the robot motion range. Check if the variable position is within the robot motion range.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
11	The position data could not be converted correctly for the incremental value of angle at the offline arm bend position data conversion.	Setting error	The variable position may be out of the robot motion range. Check if the variable position is within the robot motion range.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
12	The gravity moment for offline arm bend position data conversion could not be calculated.	Setting error	The variable position may be out of the robot motion range. Check if the variable position is within the robot motion range.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
13	The position data could not be converted correctly for the revised conversion data at the offline arm bend position data conversion.	Setting error	The variable position may be out of the robot motion range. Check if the variable position is within the robot motion range.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4698: SHIFT VALUE MAKING ERROR

The shift value could not be set.

Sub Code	Meaning	Cause	Remedy
1	Reference position and target position occupation control-group error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	Reference position and target position enabling control-group error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	The position data type is not applicable.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	Coordinated control-group error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
5	User coordinates number on the specified tag side error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4699: SYSTEM ERROR 1(RSC1)

An error was detected into RSC1 control task.

Sub Code	Meaning	Cause	Remedy
	Sub Code Internal control error in software	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4700: SYSTEM ERROR 2(RSC1)

An error was detected into RSC1 control task.

Sub Code	Meaning	Cause	Remedy
	Sub Code Internal control error in software	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4701: MEMORY ALLOCATION ERROR

Use memory is lacking and the area could not be obtained.

Sub Code	Meaning	Cause	Remedy
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4703: F-SAFE OPERATION MODE ERROR

Cannot change the mode to PLAY under ENCODER BACK-UP ERROR in ASF30 system.

Sub Code	Meaning	Cause	Remedy
		Data error	1. Change the teach mode. 2. Reset the alarm, and then try again. 3. If the alarm occurs again, set to home position.
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4707: TIMING CONTROL ERROR

A error occurred in the timing control processing.

Sub Code	Meaning	Cause	Remedy
1	Control data error occurred at prereading. (Function the timing control)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	Control data error occurred. (Function the timing control)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	Index number of the target does not exist. (Function the timing control)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	Bank number of the target does not exist. (Function the timing control)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
5	Control data size over. (Function the timing control)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4707: TIMING CONTROL ERROR (continued)

Sub Code	Meaning	Cause	Remedy
6	Control index overflow. (Function the timing control)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7	The control-group of surveillance does not exist. (Function the timing control)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8	Instruction index overflow. (Function the timing control)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
9	An error occurred when calculate a feedback position. (Function the timing control)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
10	The control-group of the target which supervises a position does not exist. (Function the timing control)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
11	Waiting time exceeded the limit. (Function the timing control)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
12	watching information settings incomplete (Function the timing control)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
13	Delay control impossible (Function the timing control)	Setting error	Please change the settings so as not to delay control.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
14	Execution control request settings incomplete (Function the timing control)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
15	Instruction that can not coexist with FPL/+DOUT/+PULSE was used	Setting error	1. Check the following settings. • FPL/DOUT/+PULSE and NWAIT can not be used at the same time for SYMOVL instruction. Correct the job. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4707: TIMING CONTROL ERROR (continued)

Sub Code	Meaning	Cause	Remedy
16	Monitor error occurred. (Function the timing control)	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
17	Executed step designation error	Setting error	1. Check the following settings. • Please review a job so that prereading processing of timing control is completed before an operation start of the control object step. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4715: CIP MESSAGE SERVER FUNC ERROR

An error occurred during CIP message communication.

Sub Code	Meaning	Cause	Remedy
1	Failed in the generation of the CIP server task.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	Failed in the ID take of the CIP server task.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	Failed in the generation of the class entry table.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	Library initialize error.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
5	Failed in the generation of the access process.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
10	Detect undefined error.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
20	Detect sever function started processing.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
30	Detect request error.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4715: CIP MESSAGE SERVER FUNC ERROR (continued)

Sub Code	Meaning	Cause	Remedy
31	Detect memory error.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
32	Detect mail send error.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
33	Detect CIP answer error.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
40	Detect CIP server task mail receive error.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
41	Detect CIP server task request data error.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
50	Detect CIP server task send error.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4716: BINARY ETHERNET SERVER FUNC ERR

An error occurred during high speed Ethernet sever communication.

Sub Code	Meaning	Cause	Remedy
1	IP address duplicated.	IP address setting error	1. Reset the alarm, and then try again. 2. The IP address is duplicated with the YRC1000 controller. Confirm the IP address of the communication target. 3. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
	Detect message library initialize error.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	Failed in the generation of the RC connect management task.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	Failed in the generation of the RC server task.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4716: BINARY ETHERNET SERVER FUNC ERR (continued)

Sub Code	Meaning	Cause	Remedy
4	Failed in the generation of the file server task.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
5	Failed in the generation of the command backup task.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
6	Failed in the Initializing process of HIGH-SPEED ethernet server log.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
7	Failed in the generation of the command relay function server task.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1040	Failed in the request take of the RC connect management task.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1041	Failed in the endian conversion.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1042	Received data area overflow.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1043	Failed in the request error.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1044	Failed in the request error.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1059	In a RC connect management task,undefine error detected.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1060	Failed in the ID take of the RC server task.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1061	Failed in the mail take of the RC server task.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1062	In a RC server task, request mail data error detected.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4716: BINARY ETHERNET SERVER FUNC ERR (continued)

Sub Code	Meaning	Cause	Remedy
1063	Answer data area overflow.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1064	In a RC server task, receive data area overflow.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1079	In a RC server task, undefined error detected.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1080	In a file server task, mail receive error detected.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1081	In a file server task, request mail data error detected.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1082	IP address duplicated.	IP address setting error	1. Reset the alarm, and then try again. 2. The IP address is duplicated with the YRC1000 controller. Confirm the IP address of the communication target. 3. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
	In a file server task, request error occurred.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1083	Failed in the endian conversion.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1084	In a file server task, receive data area overflow.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2045	In a RC connect management task , send error detected.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2046	Failed in the endian conversion.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2065	Detect RC server task send error.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4716: BINARY ETHERNET SERVER FUNC ERR (continued)

Sub Code	Meaning	Cause	Remedy
2066	Failed in the endian conversion.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2085	Detect file server task send error.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2086	Failed in the endian conversion.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2087	In a file server task, answer data error detected.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2088	Failed in the endian conversion.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2089	In a file server task, answer data area overflow.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2098	Failed in the status error occurred.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2099	In a file server task, undefined error detected.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3090	In a file sever task, file close error.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8000	Failed in the task ID acquisition from HIGH-SPEED ethernet server log.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8001	Failed in the semaphore acquisition from HIGH-SPEED ethernet server log.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8002	Failed in the data acquisition from HIGH-SPEED ethernet server log.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4718: BINARY ETHERNET CLIENT FUNC ERR

An error occurred during high speed Ethernet client communication.

Sub Code	Meaning	Cause	Remedy
1	Detect message library initialize error.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	Failed in the generation of the file function task.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	Failed in the generation of the RC function task.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	Detect I/F data error.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
10	Detect undefined error.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
110	In a file task, undefined error detected.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
510	In a RC task, undefined error detected.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
511	In a RC task, request command error detected.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
512	In RC task, there is not the class entry of the request command.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
513	In RC task, there is not the service entry of the request command.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1130	In a high speed Ethernet task, request mail error detected.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1131	In a high speed Ethernet task, request command error detected.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4718: BINARY ETHERNET CLIENT FUNC ERR (continued)

Sub Code	Meaning	Cause	Remedy
1132	In a file task, mail receive error occurred.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2140	In a file task, file reading error occurred.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2141	In a file task, file writing error occurred.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3150	In a file task, request send error occurred.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3151	Failed in the endian conversion.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3160	In a file task, reply packet clear error occurred.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3161	Failed in the take of the reply packet data error.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3162	Failed in the endian conversion.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3163	In a file task, time out occurred.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3164	In a file task, receive data area overflow occurred.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3165	In a file task, received data unmatched.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3166	In a file task, receive data size overflow occurred.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4718: BINARY ETHERNET CLIENT FUNC ERR (continued)

Sub Code	Meaning	Cause	Remedy
3167	In a file task, received data size set to zero occurred.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3168	In a file task, reply head error occurred.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3169	In a file task, reply status error occurred.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
5530	In a RC task, interface request error occurred.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
5531	In a RC task, interface answer error occurred.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
5532	In a RC task, interface data area overflow occurred.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
5533	In a RC task, interface data writing error occurred.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
6540	In a RC task, time out occurred.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
6541	Detect data error.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
6542	Detect exclusive process error.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
6543	Detect time out.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
6544	Setting error	Setting error	Reset the alarm, and confirm whether the following parameter is set to zero. • S2C541 • S2C542

4718: BINARY ETHERNET CLIENT FUNC ERR (continued)

Sub Code	Meaning	Cause	Remedy
	Detect data error.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
6545	Detect exclusive process error.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7550	In a RC task, request send error occurred.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7551	Failed in the endian conversion.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7560	In a RC task, reply packet error detected.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7561	In a RC task, reply take error detected.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7562	Failed in the endian conversion.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7563	Detect time out.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7564	In a RC task, receive data area overflow detected.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7565	In a RC task, received data unmatched.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7566	In a RC task, received data size over.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7567	In a RC task, receive data size zero detected.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4718: BINARY ETHERNET CLIENT FUNC ERR (continued)

Sub Code	Meaning	Cause	Remedy
7568	In a RC task, reply head error detected.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7569	In a RC task, reply status error detected.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4719: VIB SUPPRESSION FLT TIME OUT

vibration suppression filter did not complete within the specified time.

Sub Code	Meaning	Cause	Remedy
		Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4721: IMPROPER TOOL FILE SETTING

The current tool file setting doesn't allow the manipulator to be operated.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Control group number & tool data & tool number.	Setting error	1. Reset the alarm. 2. Check the following settings. • Select a sub menu [TOOL] under main menu [ROBOT]. • Select the coordinate window of the number specified by sub code(tool number). • Set "0" to the coordinate data specified by sub code (tool data).
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4725: SETTM ERROR

An error occurred at SETTM instruction execution.

Sub Code	Meaning	Cause	Remedy
1	TM variable number exceeded the limit.	Setting error	Check the TM variable number used in the job, and then correct the job to fall within the range of TM variable number (0-59).
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	Same TM variable set up as "LOCAL" was used in different tasks.	Setting error	Correct the job not to use the same TM variable set up as "LOCAL" in different tasks.

4725: SETTM ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	The I/O signal number set up in the "SETTM SETUP FILE" cannot be carried out.	Setting error	Check the I/O signal number set in the "SETTM SETUP FILE", and then correct it within the effective setting range.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4727: GETCVSFT ERROR

An error occurred at GETCVSFT instruction execution.

Sub Code	Meaning	Cause	Remedy
1	Conveyor condition support file (WORK ID shift) is not set.	Setting error	Set "Use state" of conveyor condition support file(WORK ID shift) to "1: Use."
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	Conveyor condition support file (WORK IN/OUT shift) is not set.	Setting error	Set "USED STATUS" of conveyor condition support file (WORK IN/OUT shift) to "1: Use."
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	Conveyor condition file is not set.	Setting error	Set "USED STATUS" of conveyor condition file to "1: Use."
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	Conveyor condition support file (Start shift) is not set.	Setting error	Set "USED STATUS" of conveyor condition support file(Start shift) to "1: Use."
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
5	"WORK ID signal" of the Conveyor condition support file (WORK ID shift) is not set	Setting error	Set "WORK ID signal" of Conveyor condition support file (WORK ID shift)
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
6	"WORK IN/OUT signal" of the Conveyor condition support file (WORK IN/OUT shift)is not set	Setting error	Set "WORK IN/OUT signal" of Conveyor condition support file(WORK IN/OUT shift)
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4728: CONVEYOR SYNCHRONIZATION (SHIFT FUNCTION) ERROR

An error occurred in conveyor synchronization (shift function) execution.

Sub Code	Meaning	Cause	Remedy
1	"WORK ID signal" of the Conveyor condition support file (WORK ID shift)is not set	Setting error	Set "WORK ID signal" of Conveyor condition support file (WORK ID shift)
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	"WORK IN/OUT signal" of the Conveyor condition support file (WORK IN/OUT shift)is not set	Setting error	Set "WORK IN/OUT signal" of Conveyor condition support file(WORK IN/OUT shift)
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4729: ASCII IF CONTROL ERROR

An error occurred in the ASCII-IF control processing.

Sub Code	Meaning	Cause	Remedy
1	The file number is wrong. An attempt was made to record again the file being recorded by IBGNSTART instruction.	Setting error	Set a number of the file in IBGNSTART instruction, so that the file being recorded does not repeat.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	The number of robot in the JOB is wrong. An attempt was made to record the file in the JOB including robots more than two.	Setting error	Correct the JOB, so that IBGNSTART instruction is used in the JOB of one robot.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	The number of external axis (STATION or BASE) in the JOB is wrong. An attempt was made to record the file in the JOB including external axis(STATION or BASE) more than two.	Setting error	Correct the JOB, so that IBGNSTART instruction is used in the JOB of one external axis(STATION or BASE).
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	IBGNEND instruction is not registered.	Setting error	Register IBGNEND instruction in the same job after the line where IBGNSTART instruction was registered.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4729: ASCII IF CONTROL ERROR (continued)

Sub Code	Meaning	Cause	Remedy
5	IBGNEND signal is not turned OFF before a specified time at the time of IBGNSTART instruction executed.	Setting error	Turn off IBGNEND signal by executing mpNoticeIBGNRecordRefEnd() in the MotoPlus application before IBGNSTART instruction is executed.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
6	The setting of the playback file is not completed at the time of IBGNSTART PLAYBACK=ON instruction executed.	Setting error	Complete the setting of the playback file by executing mpNoticeIBGNPlaybackSetEnd() in the MotoPlus application before IBGNSTART PLAYBACK=ON instruction is executed.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7	Job name in the playback file is wrong at the time of IBGNSTART PLAYBACK=ON instruction executed.	Setting error	Set the job name in which IBGNSTART PLAYBACK=ON instruction is executed in the playback file.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8	The setting of interpolation clock in the playback file is wrong at the time of IBGNSTART PLAYBACK=ON instruction executed.	Setting error	Set the interpolation clock acquired in the record file in the playback file.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
9	The start/end step number in the playback file is wrong at the time of IBGNSTART PLAYBACK=ON instruction executed.	Setting error	Set the start/end step number of the job in which the record file was made in the playback file.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
10	IBGNSTART PLAYBACK=ON instruction was executed in a forward direction, before a robot arrives at the start step of the playback file in a backward direction.	Setting error	Execute IBGNSTART PLAYBACK=ON instruction in a forward direction, after a robot arrives at the start step of the playback file in a backward direction, when IBGNSTART PLAYBACK=ON instruction was executed in a backward direction.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
11	An error occurred when IBGNSTART PLAYBACK=ON instruction was executed in a backward direction.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4730: CANNOT EXECUTE BRAKE SLIP DETECT

Brake slip detection could not be executed.

Sub Code	Meaning	Cause	Remedy
1	Brake slip detection was commanded to be executed while another optional function was in execution.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If another optional function was commanded to be executed, cannot execute brake slip detection.Correct the job.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	Brake slip detection could not be executed in the specified axis.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	Holding torque data which is calculated by the brake slip detection is incorrect.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	Detection torque data which is calculated by the brake slip detection is incorrect.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
5	The torque value for the brake slip detection device is not set.	Software operation error occurred	1. Reset the alarm. 2. Check the check torque value settings.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
6	Holding torque data which is calculated by the brake slip detection exceeds the limit.	Software operation error occurred	1. Reset the alarm. 2. Check the check torque value settings.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7	The parameter of the pulse operation exceeds the limit.	Software operation error occurred	1. Reset the alarm. 2. Check the following settings. • Pulse operation (S1CxG940 to 949)
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8	The parameter of the error detection value parameter is incorrect.	Software operation error occurred	1. Reset the alarm. 2. Check the following settings. • Error detection value (S1CxG950 to 959)
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4733: WRIST MOTION ERROR (SINGULAR POINT)

The wrist axis was about to enter singular area.

Sub Code	Meaning	Cause	Remedy
	An attempt was made to pass the B-axis zero degree position (singular area).	Setting error	Check the teaching position of the job so that the manipulator does not pass the B-axis zero degree position (singular area).
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4734: FIGURE CONVERSION IMPOSSIBLE

Cannot convert to the specified figure.

Sub Code	Meaning	Cause	Remedy
	The setting of the form data for Flip/No Flip is not "B-axis Angle".	Setting error	Set "1" to "S2C658: Type data detail settings".
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4735: SENSOR-LESS LEARNING CTRL ERROR

An error occurred in learning control.

Sub Code	Meaning	Cause	Remedy
1	Learning control table setting error.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If another optional function was commanded to be executed, cannot execute brake slip detection.Correct the job.
2	Learning control table ID is incorrect.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	Multiple task execution error	Setting error	The Learning control cannot execute the same time by multiple tasks. Correct the job.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4736: USER GROUP IO ERROR

An error occurred in the user group I/O control processing.

Sub Code	Meaning	Cause	Remedy
1	Setting of "START" in the user group I/O setting file is 0.	Setting error	Set a value of 1-1024 at "START" in the user group I/O setting file.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	Setting of "LENGTH" in the user group I/O setting file is abnormal.	Setting error	Set a value of 1-32 at "LENGTH" in the user group I/O setting file.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	The number of I/O signals in the definition of the user group I/O is out of a range.	Setting error	Set "START" or "LENGTH" in the user group I/O setting file, so that the number of I/O signals in the definition of the user group I/O is within a range.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	A number of the user group I/O is abnormal.	Setting error	Set a number of the user group I/O to 1-64 used in the JOB.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4737: MOTION RANGE LIMIT OVER

The manipulator exceeded its motion range limit.
Cause 1: When the instruction point is outside the motion range limit, this alarm occurs.
Cause 2: The special range of motion is the function from which the movement area expands with weight information setting of a tool file.
In case of the robot with the special range of motion, when the weight information on a tool file was changed to the setting the movement area reduces, after teaching the area which expanded, this alarm occurs.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Control group	Setting error	1. Check the following settings. • Perform the teaching again to correct positions for manipulators so that the step where the alarm occurred is within the motion range. 2. Check the following setting in case of the robot with the special range of motion. • Check the weight information in the tool file.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4738: DEST MOTION RANGE LIMIT OVER

The manipulator exceeded its motion range limit in the motion target position.
Cause 1: When the instruction point is outside the motion range limit, this alarm occurs.
Cause 2: The special range of motion is the function from which the movement area expands with weight information setting of a tool file.
In case of the robot with the special range of motion, when the weight information on a tool file was changed to the setting the movement area reduces, after teaching the area which expanded, this alarm occurs.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Control group	Setting error	1. Check the following settings. • Check the position setting for the step (move instruction) where the alarm occurred. 2. Check the following setting in case of the robot with the special range of motion. • Check the weight information in the tool file.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4739: USER ANALOG IO ERROR

An error occurred in the user analog I/O control processing.

Sub Code	Meaning	Cause	Remedy
1	Setting of "START" in the user analog I/O setting file is 0.	Setting error	Set a value of 1-1024 at "START" in the user analog I/O setting file.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	The number of I/O signals in the definition of the user analog I/O is out of a range.	Setting error	Set "START" or "LENGTH" in the user analog I/O setting file, so that the number of I/O signals in the definition of the user analog I/O is within a range.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	The number of the user analog I/O setting file is abnormal.	Setting error	Set the number of the user analog I/O setting file to 1-16 used in the JOB.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4740: M-SAF OVERRUN DETECT

Overrun signal is detected in the ASF30 board.

Sub Code	Meaning	Cause	Remedy
	Overrun limit switch control group that is displayed in the sub code has tripped.	Fuse failure	1. Reset the alarm. 2. If the alarm occurs again, check the connection of the fuse of ASF30 board and then turn the power ON again.
		ASF30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the ASF30 board. In a system where a plurality of ASF30 boards are connected, replace the board, which is connected to the control group on which the alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4741: M-SAF PPESP SIG. ERROR

Emergency stop signal of PP is unmatched.

Sub Code	Meaning	Cause	Remedy
	Emergency stop signal of programming pendant was unmatched longer than a certain time.	Connection failure	1. Reset the alarm. 2. If the alarm occurs again, check the following. Check if the connector of the programming pendant is loose or disconnect it. Replace the programming pendant cable.
		Programming pendant failure	1. Reset the alarm. 2. If the alarm occurs again, replace the programming pendant.
		ASF30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4742: M-SAF PBESP SIG. ERROR

Emergency stop signal of the panel box is unmatched.

Sub Code	Meaning	Cause	Remedy
	Emergency stop signal of the panel box was unmatched for a certain time.	Connection failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4743: M-SAF EXESP SIG. ERROR

External emergency stop signal is unmatched.

Sub Code	Meaning	Cause	Remedy
	External emergency stop signal was unmatched for a certain time.	Connection failure	1. Reset the alarm. 2. If the alarm occurs again, check the following. Refer to 14.1.1.2 Connection of External Emergency Stop Signal(EXESP) in the YRC1000micro INSTRUCTIONS (RE-CTO-A222) and check if the connection is correct. 3. If there is no problem with the connection, replace the switch, etc. used for the external emergency stop signal. 4. If the alarm recurs even after implementing the countermeasures, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		Cable failure	1. Reset the alarm. 2. If the alarm occurs again, check the following. Check the cable between the external emergency stop switch and the robot dedicated input connector. Replace the external emergency stop switch.
		ASF30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4744: M-SAF PP ENABLE SW SIG. ERROR

The enable switch signal of Programming Pendant is unmatched.

Sub Code	Meaning	Cause	Remedy
	The enable switch signal of Programming Pendant was unmatched for a certain time.	Programing pendant illegal operation	1. Reset the alarm. 2. There are two contact points for an enable switch, and only one point may be turned on by how to squeeze it or when putting it on the place where it is not a plane such as on the knee etc. Check how to squeeze or put the programming pendant on flat.
		Programming pendant failure	1. Reset the alarm. 2. If the alarm occurs again,replace the programming pendant.
		Connection failure	1. Reset the alarm. 2. If the alarm occurs again,replace the programming pendant.
		ASF30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4745: M-SAF EX ENABLE SW SIG. ERROR

External Enable signal is unmatched.

Sub Code	Meaning	Cause	Remedy
	External Enable signal was unmatched for a certain time.	ASF30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4746: M-SAF SAFETY FENCE SIG. ERROR

Safety fence signal is unmatched.

Sub Code	Meaning	Cause	Remedy
	Safety fence signal is unmatched for a certain time.	Connection failure	1. Reset the alarm. 2. If the alarm occurs again, please check the following. Refer to 14.1.1.1 Connection of Safety Plug Signal(SAFF) signal in the YRC1000micro INSTRUCTIONS (RE-CTO-A222) and check that the connection is correct. 3. If there is no problem with the connection, replace the switch, etc. used in the safety plug. 4. If the alarm recurs even after implementing the countermeasures, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		Cable failure	1. Reset the alarm. 2. If the alarm occurs again, please check the following. • Check the cable between the protective stop switch and the robot dedicated input connector • Replace of protection stop switch.
		ASF30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4747: M-SAF OVERRUN SIG. ERROR

Overrun signal unmatch is detected by ASF30 board.

Sub Code	Meaning	Cause	Remedy
	The meaning of each sub code is as follows: 1:OT1	Overrun limit switch released	1. Reset the alarm. 2. If the alarm occurs again, overrun limit switch is released. Select "OVERRUN&SHOCK SENSOR" under sub menu "ROBOT" to reset the limit switch.
		Connection failure	1. Reset the alarm. 2. If the alarm occurs again, please insert, and conduction state of the cable and connector of the control group to which the overrun limit switch has tripped.

4747: M-SAF OVERRUN SIG. ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		Overrun limit switch failure	1. Reset the alarm. 2. If the alarm occurs again, replace the limit switch or an equivalent switch.
		ASF30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4748: M-SAF ON_ENABLE SIG. ERROR

ON_ENABLE signal unmatch is detected by ASF30 board.

Sub Code	Meaning	Cause	Remedy
	The meaning of each sub code is as follows: 1:ON_ENABLE1	Connection failure	1. Reset the alarm. 2. If the alarm occurs again, please check the following. Refer to 14.1.1.3 Protection stop (ONEN) signal connection in the YRC1000micro INSTRUCTIONS(RE-CTO-A222) and check whether the connection is correct. 3. If there is no problem with the connection, replace the switch used for the protection stop signal. 4. If the alarm recurs even after implementing the countermeasures, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		Cable failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4749: M-SAF FULL SPEED SIG. ERROR

Full speed test signal is unmatched.

Sub Code	Meaning	Cause	Remedy
	Full speed test signal was unmatched for a certain time.	ASF30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4751: M-SAF GENERAL INPUT SIG. ERROR2

Unmatch of general safety input signal of function safety is detected by ASF30 board.

Sub Code	Meaning	Cause	Remedy
	The meaning of each sub code is as follows: D01:XIN01 D02:XIN02 D03:XIN03 D04:XIN04 D05:XIN05 D06:XIN06 D07:XIN07 D08:XIN08	Connection failure	1. Reset the alarm. 2. If the alarm recurs, check the following. Refer to 2.1.2 Functional Safety General-Purpose Input Signal 1 to 8 in the YRC1000micro Functional Safety Function Manual(HW1484544) and check the wiring of the signals corresponding to the subcode. 3. If there is no problem with the connection, replace the switch or cable used for the general-purpose safety input signal. 4. If the alarm recurs even after implementing the countermeasures, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		ASF30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF32 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4752: M-SAF PPESP DIAG. ERROR

An error is detected by ASF30 board in self diagnosis process of ESP signal of Programming Pendant.

Sub Code	Meaning	Cause	Remedy
	Sub code indicates the process that the software of CPU1 or CPU2 detected an error.	ASF30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4753: M-SAF PBESP DIAG. ERROR

An error is detected by ASF30 board in self diagnosis process of ESP signal of Panel Box.

Sub Code	Meaning	Cause	Remedy
	Sub code indicates the process that the software of CPU1 or CPU2 detected an error.	ASF30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4754: M-SAF EXESP DIAG. ERROR

An error is detected by ASF30 board in self diagnosis process of external ESP signal.

Sub Code	Meaning	Cause	Remedy
	Sub code indicates the process that the software of CPU1 or CPU2 detected an error.	Connection failure	1. Reset the alarm. 2. If the alarm recurs, check the following Refer to 14.1.1.2 Connection of External Emergency Stop Signal(EXESP) in the YRC1000micro INSTRUCTIONS (RE-CYO-A222) and check if the wiring is correct. 3. If the alarm recurs even after implementing the countermeasures, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		ASF30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4755: M-SAF PP ENABLE SW DIAG. ERROR

An error is detected by ASF30 board in self diagnosis process of ENABLE signal of Programming Pendant.

Sub Code	Meaning	Cause	Remedy
	Sub code indicates the process that the software of CPU1 or CPU2 detected an error.	Programming pendant failure	1. Reset the alarm. 2. If the alarm occurs again, replace the programming pendant.
		Cable failure	1. Reset the alarm. 2. If the alarm occurs again, replace the programming pendant cable.
		ASF30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4756: M-SAF EX ENABLE SW DIAG. ERROR

An error is detected by ASF30 board in self diagnosis process of external ENABLE signal.

Sub Code	Meaning	Cause	Remedy
	Sub code indicates the process that the software of CPU1 or CPU2 detected an error.	ASF30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4757: M-SAF SAFETY GUARD DIAG. ERROR

An error is detected by ASF30 board in self diagnosis process of safety guard signal.

Sub Code	Meaning	Cause	Remedy
	Sub code indicates the process that the software of CPU1 or CPU2 detected an error.	Connection failure	1. Reset the alarm. 2. If the alarm occurs again, please check the following. Refer to 14.1.1.1 Connection of Safety Plug Signal(SAFF) signal in the YRC1000micro INSTRUCTIONS (RE-CTO-A222) and check that the connection is correct. 3. If there is no problem with the connection, replace the switch, etc. used in the safety plug. 4. If the alarm recurs even after implementing the countermeasures, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		ASF30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4758: M-SAF OVERRUN DIAG. ERROR

An error is detected by ASF30 board in self diagnosis process of overrun signal.

Sub Code	Meaning	Cause	Remedy
	An error is detected by ASF30 board. The error is occurred in the signal that is inverted representation. CPU1 1:OT1 CPU2 1:OT1	Connection failure	1. Reset the alarm. 2. If the alarm occurs again, please insert, and conduction state of the cable and connector of the control group to which the overrun limit switch has tripped.
		Overrun limit switch failure	1. Reset the alarm. 2. If the alarm occurs again, replace the limit switch or an equivalent switch.
		ASF30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4759: M-SAF ON_ENABLE DIAG. ERROR

An error is detected by ASF30 board in self diagnosis process of Protection stop (ONEN) signal.

Sub Code	Meaning	Cause	Remedy
	An error is detected by ASF30 board. The meaning of each sub code is as follows: CPU1 1: Protection stop (ONEN) signal CPU2 1: Protection stop (ONEN) signal	Connection failure	1. Reset the alarm. 2. If the alarm occurs again, please check the following. Refer to 14.1.1.3 Protection stop (ONEN) signal connection in the YRC1000micro INSTRUCTIONS(RE-CTO-A222) and check whether the connection is correct. 3. If there is no problem with the connection, replace the switch used for the protection stop signal. 4. If the alarm recurs even after implementing the countermeasures, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		ASF30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4760: M-SAF FULL SPEED DIAG. ERROR

An error is detected by ASF30 board in self diagnosis process of full speed signal.

Sub Code	Meaning	Cause	Remedy
	Sub code indicates the process that the software of CPU1 or CPU2 detected an error.	ASF30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4762: M-SAF GENERAL INPUT DIAG. ERROR2

An error is detected by ASF30 board in self diagnosis process of function safety general safety input signal of ASF32 board.

Sub Code	Meaning	Cause	Remedy
	The meaning of each sub code is as follows: D01:XIN01 D02:XIN02 D03:XIN03 D04:XIN04 D05:XIN05 D06:XIN06 D07:XIN07 D08:XIN08	Connection failure	1. Reset the alarm. 2. If the alarm recurs, check the following. Refer to 2.1.2 Functional Safety General-Purpose Input Signal 1 to 8 in the YRC1000micro Functional Safety Function Manual(HW1484544) and check the wiring of the signals corresponding to the subcode. 3. If there is no problem with the connection, replace the switch or cable used for the general-purpose safety input signal. 4. If the alarm recurs even after implementing the countermeasures, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		Cable failure	1. Reset the alarm. 2. If the alarm recurs, check the following Check the cable between the connector on the extended safety I/O board and the external device. Failure of the switch used for the safety general-purpose input signal.
		ASF30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF32 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4763: M-SAF CONTACT FB DIAG. ERR(CPU1)

An feedback error of the output of contactors signal is detected by ASF30 board in diagnosis process.

Sub Code	Meaning	Cause	Remedy
	The meaning of each sub code is as follows: 1:KMMB1	ASF30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Power supply unit failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4764: M-SAF STO FB DIAG. ERROR

An feedback error of the output of STO signal is detected by ASF30 board in diagnosis process.

Sub Code	Meaning	Cause	Remedy
	The meaning of each sub code is as follows: CPU1 1:EDM1 CPU2 1:EDM1	ASF30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4765: M-SAF BRAKE FB DIAG. ERROR

An feedback error of the output of brake signal is detected by ASF30 board in diagnosis process.

Sub Code	Meaning	Cause	Remedy
		ASF30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4766: M-SAF CONTACT OFF FB DIAG. ERROR

An feedback error of the output of contactor control signal is detected by ASF30 board in diagnosis process.

Sub Code	Meaning	Cause	Remedy
		Connection failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Power supply unit failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4768: M-SAF GENERAL OUT FB DIAG. ERROR2

An feedback error of function safety general safety ouput signal is detected by ASF30 board in diagnosis process.

Sub Code	Meaning	Cause	Remedy
	The meaning of each sub code is as follows: D01:XOUT01 D02:XOUT02 D03:XOUT03 D04:XOUT04 D05:XOUT05 D06:XOUT06 D07:XOUT07 D08:XOUT08	Setting error	The alarm may occur immediately after updating the system software. If the configuration does not use the Feedback signal of the FSBOUT signal (XOUT), start the maintenance mode and change the FSBOUT Feedback setting to "Not use" from the "Optional Functions" → "Safety Logic Circuit Settings" screen.
		Setting error	If feedback signals of FSBOUTs(XOUTs) are necessary in the system, check safety logic circuits and signal status about FSBOUTs and S_XEDMs. According to the system requirements, change the settings of safety logic circuits.
		Connection failure	If feedback signals of FSBOUTs(XOUTs) are necessary in the system, check safety logic circuits and signal status about FSBOUTs and S_XEDMs. If the S_XEDMs signal status isn't changed by FSBOUTs, check the connections, cables, and connectors between FSBOUTs and S_XEDMs.
		Cable failure	1. Reset the alarm. 2. If the alarm occurs again, check the following Refer to 2.1.2 Functional Safety General-Purpose Input Signal 1 to 8 in the YRC1000micro Functional Safety Function Manual(HW1484544) and check the wiring of the signals corresponding to the subcode. 3. If the alarm recurs even after implementing the countermeasures, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		ASF30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF32 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4769: M-SAF CONTACTOR DIAG. ERROR

An error is detected by CPU1 on ASF30 board in self diagnosis process of contactor output signal.

Sub Code	Meaning	Cause	Remedy
	The meaning of each sub code is as follows: CPU1 1:SFRON1 CPU2 1:SFRON1	ASF30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4770: M-SAF STO DIAG. ERROR

An error is detected by ASF30 board in self diagnosis process of STO signal.

Sub Code	Meaning	Cause	Remedy
	The meaning of each sub code is as follows: CPU1 1：STO1	ASF30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4772: M-SAF GENERAL OUTPUT DIAG. ERROR2

An error is detected by ASF02 board, ASU03 unit in self diagnosis process of function safety general safety output signal.

Sub Code	Meaning	Cause	Remedy
	The meaning of each sub code is as follows: D01:XOUT01 D02:XOUT02 D03:XOUT03 D04:XOUT04 D05:XOUT05 D06:XOUT06 D07:XOUT07 D08:XOUT08	Connection failure	1. Reset the alarm. 2. If the alarm recurs, check the following Refer to 2.1.2 Functional Safety General-Purpose Input Signal 1 to 8 in the YRC1000micro Functional Safety Function Manual(HW1484544) and check the wiring of the signals corresponding to the subcode. 3. If there is no problem with the connection, replace the switch or cable used for the general-purpose safety input signal. 4. If the alarm recurs even after implementing the countermeasures, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		Cable failure	1. Reset the alarm. 2. If the alarm recurs, check the following Check the cable between the connector on the extended safety I/O board and the external device. Failure of the switch used for the safety general-purpose input signal.

4772: M-SAF GENERAL OUTPUT DIAG. ERROR2 (continued)

Sub Code	Meaning	Cause	Remedy
		ASF30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF32 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4773: M-SAF CONTACT FB DIAG. ERR(CPU2)

An feedback error of the output of contactors signal is detected by ASF30 board in diagnosis process.

Sub Code	Meaning	Cause	Remedy
	The meaning of each sub code is as follows: 1:KMMB1	ASF30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4776: M-SAF YSF LOGIC FILE SIGNAL ERR

The undefined signal was detected in the safety logical circuit function.

Sub Code	Meaning	Cause	Remedy
	Sub-code indicates the circuit number that detected the error.	Setting error	Please display the screen of the "safety function" - "safety logical circuit", and check the value of a "signal", "logic", and a "timer." When a value is inaccurate, please set up the right value and perform "writing."
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4778: 24V VOLTAGE ERROR(SERVO I/O)

ASF30 board detected an error of the 24V power supply for SERVO I/O(DIRECTIN) signals.

Sub Code	Meaning	Cause	Remedy
		Connection failure	1. Reset the alarm. 2. If the alarm occurs again, check the connection and inserting state of the following cables and connectors. Check the insertion, connection, Short circuit , ground or 24V power line (DIRECTIN singnals) fault of the followings. • GPIO,SAFTY
		ASF30 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4779: PointPLC CONTROL ERROR

An error occurred in PointPLC.

Sub Code	Meaning	Cause	Remedy
1	When P-PLC instruction was executed, there was not PLCSTPON instruction or PLCSTPOF instruction.	Setting error	1. Reset the alarm. 2. Check whether PLCSTPON instruction and PLCSTPOF instruction is registered.When unregistered, register PLCSTPON instruction and PLCSTPOF instruction.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	PLCSTPON instruction or PLCSTPOF instruction is duplicated in the PointPLC program.	Setting error	1. Reset the alarm. 2. delete duplicate PLCSTPON instruction or PLCSTPOF instruction
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	An attempt was made to execute an instruction that could not be executed in the PointPLC program.	Setting error	1. Reset the alarm. 2. delete the instruction which cannot be executed in the PointPLC program.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	PointPLC Program could not be executed.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
5	PointPLC Program could not be executed.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4779: PointPLC CONTROL ERROR (continued)

Sub Code	Meaning	Cause	Remedy
6	PointPLC Program execution result is err.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7	PointPLC Program execution result is err.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8	PointPLC Program execution result is err.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
9	PointPLC function is invalid.	Setting error	Enable PointPLC function.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4780: F-SAFE AXIS RANGE LIMIT INTF

Each axis is trying to move outside the limits.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the file number, control group and axis in which the alarm occurred.	Setting error	Check the following settings. • Check the axis range limit condition file that is indicated in the sub code is set correctly. • Modify the teaching so as not to interfere limit range setting.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4781: AXIS RANGE LIMIT INTF

Each axis is trying to move outside the limits. (detected in ACP31)

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the file number, control group and axis in which the alarm occurred.	Setting error	Check the following settings. • Check the axis range limit condition file that is indicated in the sub code is set correctly. • Modify the teaching so as not to interfere limit range setting.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4782: F-SAFE AXIS SPEED MONITOR ERROR

Each axis has moved beyond the limit speed.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the file number, control group, axis and error type in which the alarm occurred.	Setting error	Check the following settings. • Check the axis speed monitor condition file that is indicated in the sub code is set correctly. • Modify the teaching so as not to over with limit speed setting.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4783: F-SAFE ROBOT RANGE LIMIT INTF

Robot tried to interfere with the limited area.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the file number, control group and axis in which the alarm occurred.	Setting error	Check the following settings. • Check robot range limit condition file that is indicated in the sub code is set correctly. • Modify the teaching so as not to interfere limit area setting.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4784: ROBOT RANGE LIMIT INTF

Robot tried to interfere with the limited area. (detected in ACP31)

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the file number, control group and axis in which the alarm occurred.	Setting error	Check the following settings. • Check the robot range limit condition file that is indicated in the sub code is set correctly. • Modify the teaching so as not to interfere limit area setting.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4785: F-SAFE SPEED LIMIT ERROR

Robot has moved beyond the limit speed.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the file number, control group and error type in which the alarm occurred.	Setting error	Check the speed limit condition file that is indicated in the sub code is set correctly.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4786: F-SAFE TEACH SAFETY SPEED ERROR

Robot has moved beyond the teach mode safety speed (250mm/sec).

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the control group and error type in which the alarm occurred.	Setting error	Check the speed limit condition file that is indicated in the sub code is set correctly.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4787: F-SAFE ROBOT STOP MONITOR ERROR

Robot has moved, when the robot stop monitor is enabled.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the file number and control group in which the alarm occurred.	Setting error	Check the speed limit condition file that is indicated in the sub code is set correctly.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4788: F-SAFE STATION STOP MONITOR ERR

Station axis has moved, when the station stop monitor is enabled.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the file number, control group and axis in which the alarm occurred.	Setting error	Check the speed limit condition file that is indicated in the sub code is set correctly.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4789: F-SAFE TOOL CHANGE MONITOR ERR

Selection tool file number is anomaly.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the file number, control group and error type in which the alarm occurred. Error type means: 1:All tool change monitoring condition files is invalid. 2:It detects a mismatch of monitoring tool number and the selection tool file number. 3:Multiple tool change monitoring condition files is enabled. 4:Monitoring tool model(tool interference file) is not set.	Setting error	Check the following settings. • Check the tool change monitor condition file that is indicated in the sub code is set correctly. • Check whether only one tool change monitor condition file enable. • Please coincide the tool file number chosen as the robot of the control group displayed in subcode, and a tool change monitor condition file. • Check that the tool model(tool interference file) is set correctly.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4790: F-SAFE TOOL ANGL MONITOR ERR

Selection tool angle is anomaly.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the file number and control group in which the alarm occurred.	Setting error	Check the following settings. • Check the tool angle monitor condition file that is indicated in the sub code is set correctly. • Modify the teaching so as not to over limit angle setting.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4791: F-SAFE AXIS STOP MONITOR ERROR

Each axis has moved, when the axis stop monitor is enabled.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the file number, control group and axis in which the alarm occurred.	Setting error	Check the following settings. • Check the axis speed monitor condition file that is indicated in the sub code is set correctly. • Modify the teaching so as not to over with limit speed setting.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4792: TOOL ANGL MONITOR ERR

Selection tool angle is anomaly. (detected in ACP31)

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the file number and control group in which the alarm occurred.	Setting error	Check the following settings. • Check the tool angle monitor condition file that is indicated in the sub code is set correctly. • Modify the teaching so as not to over limit angle setting.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4793: F-SAFE SIGNAL SET ERR(GENERAL)

There is a problem with the configuration data of the general safety signal of safety monitoring conditions file.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Code [X _ _ _] indicates the abnormal content. 1000:Input/output signal number in condition file is abnormal. 2000:General safety input signal that is not available is set in condition file. 3000:General safety output signal that is not available is set in condition file. 4000:Safety fieldbus input signal that is not available is set in condition file. 5000:Safety fieldbus output signal that is not available is set in condition file. 6000:File valid condition data is abnormal. Code [_ Y _ _] indicates the type of condition file abnormality occurs. 100:Axis range limit function 200:Axis speed monitor function 300:Speed limit function 400:Robot range limit function 500:Tool angle monitor function 600:Tool change monitor function Code [_ _ Z Z] indicates the number of condition file abnormality occurs.	Data error	1. Check the configuration of condition file abnormality occurs. 2. Reset the alarm, and then try again.
		ASF30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4794: F-SAFE MONITOR EXECUTE TIME OVER

Execution time of the safety monitoring process has exceeded the specified value.

Sub Code	Meaning	Cause	Remedy
		Setting error	1. Reset the alarm. 2. If the alarm occurs again, reduce the number of robot range limit condition files validated at the same time.
		ASF30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4795: F-SAFE CANNOT OPERATE TEMP DSBL

Can not change the play mode, when function disable mode is ON in temporary.

Sub Code	Meaning	Cause	Remedy
		Setting error	1. Change the teach mode. 2. Reset the alarm, and then try again.
		ASF30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4796: F-SAFE DATA CRC UNMATCH

An error occurred when loading functional safety related data.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the file kind in which the alarm occurred.	Data error	1. Reset the alarm, and then try again. 2. Check whether the data which it is going to load is surely saved as data of functional safety.
		ASF30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4797: F-SAFE RANGE CONBINATION ERR

The ASF30 board has detected a renge conbine function.

Sub Code	Meaning	Cause	Remedy
		Software operation error occurred	Reset the alarm, and then try again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4798: F-SAFE SIGNAL SET ERR(SFB)

There is a problem with the configuration data of the safety fieldbus signal of safety monitoring conditions file.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Code [X _ _ _] indicates the abnormal content. 1000:Input/output signal number in condition file is abnormal. 4000:Safety fieldbus input signal that is not available is set in condition file. 5000:Safety fieldbus output signal that is not available is set in condition file. 6000:File valid condition data is abnormal. Code [_ Y _ _] indicates the type of condition file abnormality occurs. 100:Axis range limit function 200:Axis speed monitor function 300:Speed limit function 400:Robot range limit function 500:Tool angle monitor function 600:Tool change monitor function Code [_ _ Z Z] indicates the number of condition file abnormality occurs.	Data error	1. Check the configuration of condition file abnormality occurs. 2. Reset the alarm, and then try again.
		ASF30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4799: F-SAFE SIGNAL SET ERR(LOGIC)

There is a problem with the configuration data of the safety logical circuit signal of safety monitoring conditions file.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Code [X _ _ _] indicates the abnormal content. 1000:Input/output signal number in condition file is abnormal. 4000:Safety logical circuit input signal that is not available is set in condition file. 5000:Safety logical circuit output signal that is not available is set in condition file. 6000:File valid condition data is abnormal. Code [_ Y _ _] indicates the type of condition file abnormality occurs. 100:Axis range limit function 200:Axis speed monitor function 300:Speed limit function 400:Robot range limit function 500:Tool angle monitor function 600:Tool change monitor function Code [_ _ Z Z] indicates the number of condition file abnormality occurs.	Data error	1. Check the configuration of condition file abnormality occurs. 2. Reset the alarm, and then try again.
		ASF30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4812: M-SAF FB DIAG. ERROR

An error of the feedback signal is detected by ASF30 board in feedback diagnosis.

Sub Code	Meaning	Cause	Remedy
		ASF30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4822: HARD WIRE BASE BLOCK ERROR

An feedback error of the output of STO signal is detected by the ACP31 board in diagnosis process.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the control axis number which detected an error	Connection failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Fuse failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4823: HARD WIRE BASE ENABLE ERROR

An feedback error of the output of STO signal is detected by the ACP31 board in diagnosis process.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the control axis number which detected an error	Connection failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4824: BASE BLOCK ERROR

Base block signal is detected by the ACP31 board in diagnosis process.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the control axis number which detected an error	Connection failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.

4824: BASE BLOCK ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		ASF30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4825: BASE ENABLE ERROR

Base block signal is detected by the ACP31 board in diagnosis process.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the control axis number which detected an error	Connection failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4826: CONTACTOR ERROR(STO)

The YRC1000micro system checks the status of the power-ON (PS01 board) contactors. This alarm occurs if there is an inconsistency between the control output and contactor status.
Ex.)

- The signal from the contactor turned OFF while the servo was ON.
- The contactor turned ON while the servo was OFF for emergency stop.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the control axis number which detected an error	PS01 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Fuse failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Connection failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.

4826: CONTACTOR ERROR(STO) (continued)

Sub Code	Meaning	Cause	Remedy
		ACP31 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4842: MotoLogix (SYSTEM ERROR)

An error occurred in MotoLogix.

Sub Code	Meaning	Cause	Remedy
		Software operation error occurred	1. Reset the alarm and execute again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4846: MotoLogix (OPERATION ERROR)

MotoLogix command is not correct.

Sub Code	Meaning	Cause	Remedy
1000000	Failed in Move command. Undefined Move command has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000001	Failed in Move command. Incorrect number of control group has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000002	Failed in Move command. Move command is received while multi move motion after MultiMoveOff.	Setting error	1. Reset the alarm. 2. Send move command after multi move motion completed.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000100	Failed in MoveLinearAbsolute command. (Control group1) Undefined target position type has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
1000101	Failed in MoveLinearAbsolute command. (Control group1) Undefined coordinate system has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000102	Failed in MoveLinearAbsolute command. (Control group1) The speed is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000103	Failed in MoveLinearAbsolute command. (Control group1) Undefined speed unit has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000104	Failed in MoveLinearAbsolute command. (Control group1) Undefined rotational speed has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000105	Failed in MoveLinearAbsolute command. (Control group1) The blend factor is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000106	Failed in MoveLinearAbsolute command. (Control group1) Undefined blend type has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000107	Failed in MoveLinearAbsolute command. (Control group1) Incorrect number of user coordinate has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000108	Failed in MoveLinearAbsolute command. (Control group1) Incorrect number of position variable has been set.	Setting error	Input correct data.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000109	Failed in MoveLinearAbsolute command. (Control group1) Incorrect value of frame shift has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000110	Failed in MoveLinearAbsolute command. (Control group1)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000111	Failed in MoveLinearAbsolute command. (Control group1) Incorrect parameter of +DOUT has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000112	Failed in MoveLinearAbsolute command. (Control group1) The acceleration is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000113	Failed in MoveLinearAbsolute command. (Control group1) The deceleration is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000114	Failed in MoveLinearAbsolute command. (Control group1) The VMAX speed is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000115	Failed in MoveLinearAbsolute command. (Control group1) Failed in search motion.	Setting error	Reset the alarm, and then try again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000116	Failed in MoveLinearAbsolute command. (Control group1) The VMAX and search can not be specified to the same target.	Setting error	1. Reset the alarm 2. Specify other than 2 to speedUnits or, Reset search by executing ResetSearch command. 3. Then try again.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000117	Failed in MoveLinearAbsolute command. (Control group1) Failed in multi move motion.	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000118	Failed in MoveLinearAbsolute command. (Control group1) Incorrect control group is specified for multi move motion.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000119	Failed in MoveLinearAbsolute command. (Control group1) The VMAX and multi move cannot be used.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000120	Failed in MoveLinearAbsolute command. (Control group1) Multi move with searching is not allowed.	Setting error	1. Reset the alarm 2. Execute ResetSearch and MultiMoveOff command. 3. Execute either SetSearch or MultiMoveOn command. 4. Execute MoveLinearAbsolute command.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000200	Failed in MoveLinearRelative command. (Control group1) Undefined target position type has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000201	Failed in MoveLinearRelative command. (Control group1) Undefined coordinate system has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000202	Failed in MoveLinearRelative command. (Control group1) The speed is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
1000203	Failed in MoveLinearRelative command. (Control group1) Undefined speed unit has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000204	Failed in MoveLinearRelative command. (Control group1) Undefined rotational speed has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000205	Failed in MoveLinearRelative command. (Control group1) The blend factor is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000206	Failed in MoveLinearRelative command. (Control group1) Undefined blend type has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000207	Failed in MoveLinearRelative command. (Control group1) Incorrect number of user coordinate has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000208	Failed in MoveLinearRelative command. (Control group1) Incorrect number of position variable has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000209	Failed in MoveLinearRelative command. (Control group1) Incorrect value of frame shift has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000210	Failed in MoveLinearRelative command. (Control group1)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
1000211	Failed in MoveLinearRelative command. (Control group1) Incorrect parameter of +DOUT has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000212	Failed in MoveLinearRelative command. (Control group1) The acceleration is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000213	Failed in MoveLinearRelative command. (Control group1) The deceleration is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000214	Failed in MoveLinearRelative command. (Control group1) The VMAX speed is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000215	Failed in MoveLinearRelative command. (Control group1) Failed in search motion.	Setting error	Reset the alarm, and then try again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000216	Failed in MoveLinearRelative command. (Control group1) The VMAX and search can not be specified to the same target.	Setting error	1. Reset the alarm 2. Specify other than 2 to speedUnits or, Reset search by executing ResetSearch command. 3. Then try again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000217	Failed in MoveLinearRelative command. (Control group1) Failed in multi move motion.	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000218	Failed in MoveLinearRelative command. (Control group1) Incorrect control group is specified for multi move motion.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
1000219	Failed in MoveLinearRelative command. (Control group1) The VMAX and multi move cannot be used.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000220	Failed in MoveLinearRelative command. (Control group1) Multi move with searching is not allowed.	Setting error	1. Reset the alarm 2. Execute ResetSearch and MultiMoveOff command. 3. Execute either SetSearch or MultiMoveOn command. 4. Execute MoveLinearRelative command.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000300	Failed in MoveAxisAbsolute command. (Control group1) Undefined target position type has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000301	Failed in MoveAxisAbsolute command. (Control group1) Undefined coordinate system has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000302	Failed in MoveAxisAbsolute command. (Control group1) The speed is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000303	Failed in MoveAxisAbsolute command. (Control group1) The blend factor is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000304	Failed in MoveAxisAbsolute command. (Control group1) Undefined blend type has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000305	Failed in MoveAxisAbsolute command. (Control group1) Incorrect number of user coordinate has been set.	Setting error	Input correct data.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000306	Failed in MoveAxisAbsolute command. (Control group1) Incorrect number of position variable has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000307	Failed in MoveAxisAbsolute command. (Control group1) Incorrect value of frame shift has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000308	Failed in MoveAxisAbsolute command. (Control group1)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000309	Failed in MoveAxisAbsolute command. (Control group1) Incorrect parameter of +DOUT has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000310	Failed in MoveAxisAbsolute command. (Control group1) The acceleration is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000311	Failed in MoveAxisAbsolute command. (Control group1) The deceleration is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000312	Failed in MoveAxisAbsolute command. (Control group1) Failed in search motion.	Setting error	Reset the alarm, and then try again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000313	Failed in MoveAxisAbsolute command. (Control group1) Search is not available for axis motion.	Setting error	Search can be used linear motion. 1. Reset the alarm. 2. Execute linear move command.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000314	Failed in MoveAxisAbsolute command. (Control group1) Failed in multi move motion.	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000315	Failed in MoveAxisAbsolute command. (Control group1) Incorrect control group is specified for multi move motion.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000316	Failed in MoveAxisAbsolute command. (Control group1) Multi move motion is not available for axis motion.	Setting error	1. Reset the alarm 2. Use linear move command.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000400	Failed in MoveAxisRelative command. (Control group1) Undefined target position type has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000401	Failed in MoveAxisRelative command. (Control group1) Undefined coordinate system has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000402	Failed in MoveAxisRelative command. (Control group1) The speed is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000403	Failed in MoveAxisRelative command. (Control group1) The blend factor is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000404	Failed in MoveAxisRelative command. (Control group1) Undefined blend type has been set.	Setting error	Input correct data.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000405	Failed in MoveAxisRelative command. (Control group1) Incorrect number of user coordinate has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000406	Failed in MoveAxisRelative command. (Control group1) Incorrect number of position variable has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000407	Failed in MoveAxisRelative command. (Control group1) Incorrect value of frame shift has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000408	Failed in MoveAxisRelative command. (Control group1)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000409	Failed in MoveAxisRelative command. (Control group1) Incorrect parameter of +DOUT has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000410	Failed in MoveAxisRelative command. (Control group1) The acceleration is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000411	Failed in MoveAxisRelative command. (Control group1) The deceleration is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000412	Failed in MoveAxisRelative command. (Control group1) Failed in search motion.	Setting error	Reset the alarm, and then try again.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000413	Failed in MoveAxisRelative command. (Control group1) Search is not available for axis motion.	Setting error	Search can be used linear motion. 1. Reset the alarm. 2. Execute linear move command.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000414	Failed in MoveAxisRelative command. (Control group1) Failed in multi move motion.	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000415	Failed in MoveAxisRelative command. (Control group1) Incorrect control group is specified for multi move motion.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000416	Failed in MoveAxisRelative command. (Control group1) Multi move motion is not available for axis motion.	Setting error	1. Reset the alarm. 2. Execute linear move command.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000500	Failed in Jog command. Incorrect command index has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000501	Failed in Jog command. Undefined Jog command has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000600	Failed in JogAxes command. (Control group1) The speed is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000601	Failed in JogAxes command. (Control group1)	Setting error	Input correct data.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000602	Failed in JogAxes command. Incorrect number of control group has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000700	Failed in JogTcp command. (Control group1) The speed is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000701	Failed in JogTcp command. (Control group1) Incorrect number of user coordinate has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000702	Failed in JogTcp command. (Control group1)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000703	Failed in JogTcp command. Incorrect number of control group has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000800	Failed in JogAxesToPoint command. (Control group1) The speed is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000801	Failed in JogAxesToPoint command. (Control group1)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000802	Failed in JogAxesToPoint command. Incorrect number of control group has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
1000900	Failed in JogTcpToPoint command. (Control group1) The speed is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000901	Failed in JogTcpToPoint command. (Control group1)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1000902	Failed in JogTcpToPoint command. Incorrect number of control group has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1001000	Failed in MoveCircularOutBorder command (Control group1). Undefined coordinate system has been set.	Setting error	1. Reset the alarm. 2. Set correct coordinate system and then execute command again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1001001	Failed in MoveCircularOutBorder command (Control group1). The speed is out of range.	Setting error	1. Reset the alarm. 2. Set correct speed and then execute command again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1001002	Failed in MoveCircularOutBorder command (Control group1). Undefined speed unit has been set.	Setting error	1. Reset the alarm. 2. Set correct speed unit and then execute command again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1001003	Failed in MoveCircularOutBorder command (Control group1). The blend factor is out of range.	Setting error	1. Reset the alarm. 2. Set correct blend factor and then execute command again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1001004	Failed in MoveCircularOutBorder command (Control group1). Undefined blend type has been set.	Setting error	1. Reset the alarm. 2. Set correct blend type and then execute command again.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1001005	Failed in MoveCircularOutBorder command (Control group1). Incorrect number of user coordinate has been set.	Setting error	1. Reset the alarm. 2. Set correctuser coordinate and then execute command again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1001006	Failed in MoveCircularOutBorder command (Control group1). Incorrect value of frame shift has been set.	Setting error	1. Reset the alarm. 2. Set correct value of frame shift and then execute command again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1001007	Failed in MoveCircularOutBorder command (Control group1).	Setting error	Reset the alarm and then execute command again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1001008	Failed in MoveCircularOutBorder command (Control group1). Incorrect parameter of +DOUT has been set.	Setting error	1. Reset the alarm. 2. Set correct +DOUT and then execute command again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1001009	Failed in MoveCircularOutBorder command (Control group1). The acceleration is out of range.	Setting error	1. Reset the alarm. 2. Set correct acceleration and then execute command again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1001010	Failed in MoveCircularOutBorder command (Control group1). The deceleration is out of range.	Setting error	1. Reset the alarm. 2. Set correct deceleration and then execute command again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1001011	Failed in MoveCircularOutBorder command (Control group1). Failed in search motion.	Setting error	1. Reset the alarm. 2. Reset search and then execute command again.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1001012	Failed in MoveCircularOutBorder command (Control group1). Search function is not available for this command.	Setting error	1. Reset the alarm. 2. Reset search and then execute command again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1001013	Failed in MoveCircularOutBorder command (Control group1). Failed in multi move motion.	Setting error	Reset the alarm and then execute command again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1001014	Failed in MoveCircularOutBorder command (Control group1). Incorrect control group is specified for multi move motion.	Setting error	1. Reset the alarm. 2. Set robot axis and then execute command again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1001015	Failed in MoveCircularOutBorder command (Control group1). Multi move with searching is not allowed.	Setting error	1. Reset the alarm. 2. Reset mutli move and then execute command again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1010100	Failed in MoveLinearAbsolute command. (Control group2) Undefined target position type has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1010101	Failed in MoveLinearAbsolute command. (Control group2) Undefined coordinate system has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1010102	Failed in MoveLinearAbsolute command. (Control group2) The speed is out of range.	Setting error	Input correct data.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1010103	Failed in MoveLinearAbsolute command. (Control group2) Undefined speed unit has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1010104	Failed in MoveLinearAbsolute command. (Control group2) Undefined rotational speed has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1010105	Failed in MoveLinearAbsolute command. (Control group2) The blend factor is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1010106	Failed in MoveLinearAbsolute command. (Control group2) Undefined blend type has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1010107	Failed in MoveLinearAbsolute command. (Control group2) Incorrect number of user coordinate has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1010108	Failed in MoveLinearAbsolute command. (Control group2) Incorrect number of position variable has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1010109	Failed in MoveLinearAbsolute command. (Control group2) Incorrect value of frame shift has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1010110	Failed in MoveLinearAbsolute command. (Control group2)	Setting error	Input correct data.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1010111	Failed in MoveLinearAbsolute command. (Control group2) Incorrect parameter of +DOUT has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1010112	Failed in MoveLinearAbsolute command. (Control group2) The acceleration is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1010113	Failed in MoveLinearAbsolute command. (Control group2) The deceleration is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1010114	Failed in MoveLinearAbsolute command. (Control group2) The VMAX speed is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1010115	Failed in MoveLinearAbsolute command. (Control group2) Failed in search motion.	Setting error	Reset the alarm, and then try again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1010116	Failed in MoveLinearAbsolute command. (Control group2) The VMAX and search can not be specified to the same target.	Setting error	1. Reset the alarm 2. Specify other than 2 to speedUnits or, Reset search by executing ResetSearch command. 3. Then try again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1010117	Failed in MoveLinearAbsolute command. (Control group2) Failed in multi move motion.	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1010118	Failed in MoveLinearAbsolute command. (Control group2) Incorrect control group is specified for multi move motion.	Setting error	Input correct data.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1010119	Failed in MoveLinearAbsolute command. (Control group2) The VMAX and multi move cannot be used.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1010120	Failed in MoveLinearAbsolute command. (Control group2) Multi move with searching is not allowed.	Setting error	1. Reset the alarm 2. Execute ResetSearch and MultiMoveOff command. 3. Execute either SetSearch or MultiMoveOn command. 4. Execute MoveLinearAbsolute command.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1010200	Failed in MoveLinearRelative command. (Control group2) Undefined target position type has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1010201	Failed in MoveLinearRelative command. (Control group2) Undefined coordinate system has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1010202	Failed in MoveLinearRelative command. (Control group2) The speed is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1010203	Failed in MoveLinearRelative command. (Control group2) Undefined speed unit has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1010204	Failed in MoveLinearRelative command. (Control group2) Undefined rotational speed has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
1010205	Failed in MoveLinearRelative command. (Control group2) The blend factor is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1010206	Failed in MoveLinearRelative command. (Control group2) Undefined blend type has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1010207	Failed in MoveLinearRelative command. (Control group2) Incorrect number of user coordinate has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1010208	Failed in MoveLinearRelative command. (Control group2) Incorrect number of position variable has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1010209	Failed in MoveLinearRelative command. (Control group2) Incorrect value of frame shift has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1010210	Failed in MoveLinearRelative command. (Control group2)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1010211	Failed in MoveLinearRelative command. (Control group2) Incorrect parameter of +DOUT has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1010212	Failed in MoveLinearRelative command. (Control group2) The acceleration is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
1010213	Failed in MoveLinearRelative command. (Control group2) The deceleration is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1010214	Failed in MoveLinearRelative command. (Control group2) The VMAX speed is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1010215	Failed in MoveLinearRelative command. (Control group2) Failed in search motion.	Setting error	Reset the alarm, and then try again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1010216	Failed in MoveLinearRelative command. (Control group2) The VMAX and search can not be specified to the same target.	Setting error	1. Reset the alarm 2. Specify other than 2 to speedUnits or, Reset search by executing ResetSearch command. 3. Then try again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1010217	Failed in MoveLinearRelative command. (Control group2) Failed in multi move motion.	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1010218	Failed in MoveLinearRelative command. (Control group2) Incorrect control group is specified for multi move motion.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1010219	Failed in MoveLinearRelative command. (Control group2) The VMAX and multi move cannot be used.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1010220	Failed in MoveLinearRelative command. (Control group2) Multi move with searching is not allowed.	Setting error	1. Reset the alarm 2. Execute ResetSearch and MultiMoveOff command. 3. Execute either SetSearch or MultiMoveOn command. 4. Execute MoveLinearRelative command.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1010300	Failed in MoveAxisAbsolute command. (Control group2) Undefined target position type has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1010301	Failed in MoveAxisAbsolute command. (Control group2) Undefined coordinate system has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1010302	Failed in MoveAxisAbsolute command. (Control group2) The speed is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1010303	Failed in MoveAxisAbsolute command. (Control group2) The blend factor is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1010304	Failed in MoveAxisAbsolute command. (Control group2) Undefined blend type has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1010305	Failed in MoveAxisAbsolute command. (Control group2) Incorrect number of user coordinate has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1010306	Failed in MoveAxisAbsolute command. (Control group2) Incorrect number of position variable has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
1010307	Failed in MoveAxisAbsolute command. (Control group2) Incorrect value of frame shift has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1010308	Failed in MoveAxisAbsolute command. (Control group2)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1010309	Failed in MoveAxisAbsolute command. (Control group2) Incorrect parameter of +DOUT has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1010310	Failed in MoveAxisAbsolute command. (Control group2) The acceleration is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1010311	Failed in MoveAxisAbsolute command. (Control group2) The deceleration is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1010312	Failed in MoveAxisAbsolute command. (Control group2) Failed in search motion.	Setting error	Reset the alarm, and then try again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1010313	Failed in MoveAxisAbsolute command. (Control group2) Search is not available for axis motion.	Setting error	Search can be used linear motion. 1. Reset the alarm. 2. Execute linear move command.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1010314	Failed in MoveAxisAbsolute command. (Control group2) Failed in multi move motion.	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
1010315	Failed in MoveAxisAbsolute command. (Control group2) Incorrect control group is specified for multi move motion.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1010316	Failed in MoveAxisAbsolute command. (Control group2) Multi move motion is not available for axis motion.	Setting error	1. Reset the alarm 2. Use linear move command.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1010400	Failed in MoveAxisRelative command. (Control group2) Undefined target position type has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1010401	Failed in MoveAxisRelative command. (Control group2) Undefined coordinate system has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1010402	Failed in MoveAxisRelative command. (Control group2) The speed is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1010403	Failed in MoveAxisRelative command. (Control group2) The blend factor is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1010404	Failed in MoveAxisRelative command. (Control group2) Undefined blend type has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1010405	Failed in MoveAxisRelative command. (Control group2) Incorrect number of user coordinate has been set.	Setting error	Input correct data.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1010406	Failed in MoveAxisRelative command. (Control group2) Incorrect number of position variable has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1010407	Failed in MoveAxisRelative command. (Control group2) Incorrect value of frame shift has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1010408	Failed in MoveAxisRelative command. (Control group2)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1010409	Failed in MoveAxisRelative command. (Control group2) Incorrect parameter of +DOUT has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1010410	Failed in MoveAxisRelative command. (Control group2) The acceleration is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1010411	Failed in MoveAxisRelative command. (Control group2) The deceleration is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1010412	Failed in MoveAxisRelative command. (Control group2) Failed in search motion.	Setting error	Reset the alarm, and then try again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1010413	Failed in MoveAxisRelative command. (Control group2) Search is not available for axis motion.	Setting error	Search can be used linear motion. 1. Reset the alarm. 2. Execute linear move command.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1010414	Failed in MoveAxisRelative command. (Control group2) Failed in multi move motion.	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1010415	Failed in MoveAxisRelative command. (Control group2) Incorrect control group is specified for multi move motion.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1010416	Failed in MoveAxisRelative command. (Control group2) Multi move motion is not available for axis motion.	Setting error	1. Reset the alarm. 2. Execute linear move command.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1010600	Failed in JogAxes command. (Control group2) The speed is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1010601	Failed in JogAxes command. (Control group2)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1010700	Failed in JogTcp command. (Control group2) The speed is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1010701	Failed in JogTcp command. (Control group2) Incorrect number of user coordinate has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1010702	Failed in JogTcp command. (Control group2)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
1010800	Failed in JogAxesToPoint command. (Control group2) The speed is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1010801	Failed in JogAxesToPoint command. (Control group2)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1010900	Failed in JogTcpToPoint command. (Control group2) The speed is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1010901	Failed in JogTcpToPoint command. (Control group2)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1011000	Failed in MoveCircularOutBorder command (Control group2). Undefined coordinate system has been set.	Setting error	1. Reset the alarm. 2. Set correct coordinate system and then execute command again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1011001	Failed in MoveCircularOutBorder command (Control group2). The speed is out of range.	Setting error	1. Reset the alarm. 2. Set correct speed and then execute command again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1011002	Failed in MoveCircularOutBorder command (Control group2). Undefined speed unit has been set.	Setting error	1. Reset the alarm. 2. Set correct speed unit and then execute command again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1011003	Failed in MoveCircularOutBorder command (Control group2). The blend factor is out of range.	Setting error	1. Reset the alarm. 2. Set correct blend factor and then execute command again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
1011004	Failed in MoveCircularOutBorder command (Control group2). Undefined blend type has been set.	Setting error	1. Reset the alarm. 2. Set correct blend type and then execute command again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1011005	Failed in MoveCircularOutBorder command (Control group2). Incorrect number of user coordinate has been set.	Setting error	1. Reset the alarm. 2. Set correctuser coordinate and then execute command again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1011006	Failed in MoveCircularOutBorder command (Control group2). Incorrect value of frame shift has been set.	Setting error	1. Reset the alarm. 2. Set correct value of frame shift and then execute command again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1011007	Failed in MoveCircularOutBorder command (Control group2).	Setting error	Reset the alarm and then execute command again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1011008	Failed in MoveCircularOutBorder command (Control group2). Incorrect parameter of +DOUT has been set.	Setting error	1. Reset the alarm. 2. Set correct +DOUT and then execute command again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1011009	Failed in MoveCircularOutBorder command (Control group2). The acceleration is out of range.	Setting error	1. Reset the alarm. 2. Set correct acceleration and then execute command again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1011010	Failed in MoveCircularOutBorder command (Control group2). The deceleration is out of range.	Setting error	1. Reset the alarm. 2. Set correct deceleration and then execute command again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
1011011	Failed in MoveCircularOutBorder command (Control group2). Failed in search motion.	Setting error	1. Reset the alarm. 2. Reset search and then execute command again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1011012	Failed in MoveCircularOutBorder command (Control group2). Search function is not available for this command.	Setting error	1. Reset the alarm. 2. Reset search and then execute command again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1011013	Failed in MoveCircularOutBorder command (Control group2). Failed in multi move motion.	Setting error	Reset the alarm and then execute command again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1011014	Failed in MoveCircularOutBorder command (Control group2). Incorrect control group is specified for multi move motion.	Setting error	1. Reset the alarm. 2. Set robot axis and then execute command again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1011015	Failed in MoveCircularOutBorder command (Control group2). Multi move with searching is not allowed.	Setting error	1. Reset the alarm. 2. Reset mutli move and then execute command again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1020100	Failed in MoveLinearAbsolute command. (Control group3) Undefined target position type has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1020101	Failed in MoveLinearAbsolute command. (Control group3) Undefined coordinate system has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
1020102	Failed in MoveLinearAbsolute command. (Control group3) The speed is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1020103	Failed in MoveLinearAbsolute command. (Control group3) Undefined speed unit has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1020104	Failed in MoveLinearAbsolute command. (Control group3) Undefined rotational speed has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1020105	Failed in MoveLinearAbsolute command. (Control group3) The blend factor is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1020106	Failed in MoveLinearAbsolute command. (Control group3) Undefined blend type has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1020107	Failed in MoveLinearAbsolute command. (Control group3) Incorrect number of user coordinate has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1020108	Failed in MoveLinearAbsolute command. (Control group3) Incorrect number of position variable has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1020109	Failed in MoveLinearAbsolute command. (Control group3) Incorrect value of frame shift has been set.	Setting error	Input correct data.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1020110	Failed in MoveLinearAbsolute command. (Control group3)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1020111	Failed in MoveLinearAbsolute command. (Control group3) Incorrect parameter of +DOUT has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1020112	Failed in MoveLinearAbsolute command. (Control group3) The acceleration is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1020113	Failed in MoveLinearAbsolute command. (Control group3) The deceleration is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1020114	Failed in MoveLinearAbsolute command. (Control group3) The VMAX speed is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1020115	Failed in MoveLinearAbsolute command. (Control group3) Failed in search motion.	Setting error	Reset the alarm, and then try again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1020116	Failed in MoveLinearAbsolute command. (Control group3) The VMAX and search can not be specified to the same target.	Setting error	1. Reset the alarm 2. Specify other than 2 to speedUnits or, Reset search by executing ResetSearch command. 3. Then try again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1020117	Failed in MoveLinearAbsolute command. (Control group3) Failed in multi move motion.	Setting error	Reset the alarm and execute again.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1020118	Failed in MoveLinearAbsolute command. (Control group3) Incorrect control group is specified for multi move motion.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1020119	Failed in MoveLinearAbsolute command. (Control group3) The VMAX and multi move cannot be used.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1020120	Failed in MoveLinearAbsolute command. (Control group3) Multi move with searching is not allowed.	Setting error	1. Reset the alarm 2. Execute ResetSearch and MultiMoveOff command. 3. Execute either SetSearch or MultiMoveOn command. 4. Execute MoveLinearAbsolute command.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1020200	Failed in MoveLinearRelative command. (Control group3) Undefined target position type has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1020201	Failed in MoveLinearRelative command. (Control group3) Undefined coordinate system has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1020202	Failed in MoveLinearRelative command. (Control group3) The speed is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1020203	Failed in MoveLinearRelative command. (Control group3) Undefined speed unit has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
1020204	Failed in MoveLinearRelative command. (Control group3) Undefined rotational speed has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1020205	Failed in MoveLinearRelative command. (Control group3) The blend factor is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1020206	Failed in MoveLinearRelative command. (Control group3) Undefined blend type has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1020207	Failed in MoveLinearRelative command. (Control group3) Incorrect number of user coordinate has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1020208	Failed in MoveLinearRelative command. (Control group3) Incorrect number of position variable has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1020209	Failed in MoveLinearRelative command. (Control group3) Incorrect value of frame shift has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1020210	Failed in MoveLinearRelative command. (Control group3)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1020211	Failed in MoveLinearRelative command. (Control group3) Incorrect parameter of +DOUT has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
1020212	Failed in MoveLinearRelative command. (Control group3) The acceleration is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1020213	Failed in MoveLinearRelative command. (Control group3) The deceleration is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1020214	Failed in MoveLinearRelative command. (Control group3) The VMAX speed is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1020215	Failed in MoveLinearRelative command. (Control group3) Failed in search motion.	Setting error	Reset the alarm, and then try again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1020216	Failed in MoveLinearRelative command. (Control group3) The VMAX and search can not be specified to the same target.	Setting error	1. Reset the alarm 2. Specify other than 2 to speedUnits or, Reset search by executing ResetSearch command. 3. Then try again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1020217	Failed in MoveLinearRelative command. (Control group3) Failed in multi move motion.	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1020218	Failed in MoveLinearRelative command. (Control group3) Incorrect control group is specified for multi move motion.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1020219	Failed in MoveLinearRelative command. (Control group3) The VMAX and multi move cannot be used.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
1020220	Failed in MoveLinearRelative command. (Control group3) Multi move with searching is not allowed.	Setting error	1. Reset the alarm 2. Execute ResetSearch and MultiMoveOff command. 3. Execute either SetSearch or MultiMoveOn command. 4. Execute MoveLinearRelative command.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1020300	Failed in MoveAxisAbsolute command. (Control group3) Undefined target position type has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1020301	Failed in MoveAxisAbsolute command. (Control group3) Undefined coordinate system has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1020302	Failed in MoveAxisAbsolute command. (Control group3) The speed is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1020303	Failed in MoveAxisAbsolute command. (Control group3) The blend factor is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1020304	Failed in MoveAxisAbsolute command. (Control group3) Undefined blend type has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1020305	Failed in MoveAxisAbsolute command. (Control group3) Incorrect number of user coordinate has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1020306	Failed in MoveAxisAbsolute command. (Control group3) Incorrect number of position variable has been set.	Setting error	Input correct data.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1020307	Failed in MoveAxisAbsolute command. (Control group3) Incorrect value of frame shift has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1020308	Failed in MoveAxisAbsolute command. (Control group3)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1020309	Failed in MoveAxisAbsolute command. (Control group3) Incorrect parameter of +DOUT has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1020310	Failed in MoveAxisAbsolute command. (Control group3) The acceleration is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1020311	Failed in MoveAxisAbsolute command. (Control group3) The deceleration is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1020312	Failed in MoveAxisAbsolute command. (Control group3) Failed in search motion.	Setting error	Reset the alarm, and then try again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1020313	Failed in MoveAxisAbsolute command. (Control group3) Search is not available for axis motion.	Setting error	Search can be used linear motion. 1. Reset the alarm. 2. Execute linear move command.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1020314	Failed in MoveAxisAbsolute command. (Control group3) Failed in multi move motion.	Setting error	Reset the alarm and execute again.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1020315	Failed in MoveAxisAbsolute command. (Control group3) Incorrect control group is specified for multi move motion.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1020316	Failed in MoveAxisAbsolute command. (Control group3) Multi move motion is not available for axis motion.	Setting error	1. Reset the alarm 2. Use linear move command.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1020400	Failed in MoveAxisRelative command. (Control group3) Undefined target position type has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1020401	Failed in MoveAxisRelative command. (Control group3) Undefined coordinate system has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1020402	Failed in MoveAxisRelative command. (Control group3) The speed is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1020403	Failed in MoveAxisRelative command. (Control group3) The blend factor is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1020404	Failed in MoveAxisRelative command. (Control group3) Undefined blend type has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
1020405	Failed in MoveAxisRelative command. (Control group3) Incorrect number of user coordinate has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1020406	Failed in MoveAxisRelative command. (Control group3) Incorrect number of position variable has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1020407	Failed in MoveAxisRelative command. (Control group3) Incorrect value of frame shift has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1020408	Failed in MoveAxisRelative command. (Control group3)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1020409	Failed in MoveAxisRelative command. (Control group3) Incorrect parameter of +DOUT has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1020410	Failed in MoveAxisRelative command. (Control group3) The acceleration is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1020411	Failed in MoveAxisRelative command. (Control group3) The deceleration is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1020412	Failed in MoveAxisRelative command. (Control group3) Failed in search motion.	Setting error	Reset the alarm, and then try again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
1020413	Failed in MoveAxisRelative command. (Control group3) Search is not available for axis motion.	Setting error	Search can be used linear motion. 1. Reset the alarm. 2. Execute linear move command.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1020414	Failed in MoveAxisRelative command. (Control group3) Failed in multi move motion.	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1020415	Failed in MoveAxisRelative command. (Control group3) Incorrect control group is specified for multi move motion.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1020416	Failed in MoveAxisRelative command. (Control group3) Multi move motion is not available for axis motion.	Setting error	1. Reset the alarm. 2. Execute linear move command.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1020600	Failed in JogAxes command. (Control group3) The speed is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1020601	Failed in JogAxes command. (Control group3)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1020700	Failed in JogTcp command. (Control group3) The speed is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1020701	Failed in JogTcp command. (Control group3) Incorrect number of user coordinate has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
1020702	Failed in JogTcp command. (Control group3)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1020800	Failed in JogAxesToPoint command. (Control group3) The speed is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1020801	Failed in JogAxesToPoint command. (Control group3)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1020900	Failed in JogTcpToPoint command. (Control group3) The speed is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1020901	Failed in JogTcpToPoint command. (Control group3)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1021000	Failed in MoveCircularOutBorder command (Control group3). Undefined coordinate system has been set.	Setting error	1. Reset the alarm. 2. Set correct coordinate system and then execute command again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1021001	Failed in MoveCircularOutBorder command (Control group3). The speed is out of range.	Setting error	1. Reset the alarm. 2. Set correct speed and then execute command again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1021002	Failed in MoveCircularOutBorder command (Control group3). Undefined speed unit has been set.	Setting error	1. Reset the alarm. 2. Set correct speed unit and then execute command again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
1021003	Failed in MoveCircularOutBorder command (Control group3). The blend factor is out of range.	Setting error	1. Reset the alarm. 2. Set correct blend factor and then execute command again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1021004	Failed in MoveCircularOutBorder command (Control group3). Undefined blend type has been set.	Setting error	1. Reset the alarm. 2. Set correct blend type and then execute command again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1021005	Failed in MoveCircularOutBorder command (Control group3). Incorrect number of user coordinate has been set.	Setting error	1. Reset the alarm. 2. Set correctuser coordinate and then execute command again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1021006	Failed in MoveCircularOutBorder command (Control group3). Incorrect value of frame shift has been set.	Setting error	1. Reset the alarm. 2. Set correct value of frame shift and then execute command again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1021007	Failed in MoveCircularOutBorder command (Control group3).	Setting error	Reset the alarm and then execute command again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1021008	Failed in MoveCircularOutBorder command (Control group3). Incorrect parameter of +DOUT has been set.	Setting error	1. Reset the alarm. 2. Set correct +DOUT and then execute command again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1021009	Failed in MoveCircularOutBorder command (Control group3). The acceleration is out of range.	Setting error	1. Reset the alarm. 2. Set correct acceleration and then execute command again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
1021010	Failed in MoveCircularOutBorder command (Control group3). The deceleration is out of range.	Setting error	1. Reset the alarm. 2. Set correct deceleration and then execute command again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1021011	Failed in MoveCircularOutBorder command (Control group3). Failed in search motion.	Setting error	1. Reset the alarm. 2. Reset search and then execute command again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1021012	Failed in MoveCircularOutBorder command (Control group3). Search function is not available for this command.	Setting error	1. Reset the alarm. 2. Reset search and then execute command again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1021013	Failed in MoveCircularOutBorder command (Control group3). Failed in multi move motion.	Setting error	Reset the alarm and then execute command again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1021014	Failed in MoveCircularOutBorder command (Control group3). Incorrect control group is specified for multi move motion.	Setting error	1. Reset the alarm. 2. Set robot axis and then execute command again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1021015	Failed in MoveCircularOutBorder command (Control group3). Multi move with searching is not allowed.	Setting error	1. Reset the alarm. 2. Reset mutli move and then execute command again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1030100	Failed in MoveLinearAbsolute command. (Control group4) Undefined target position type has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
1030101	Failed in MoveLinearAbsolute command. (Control group4) Undefined coordinate system has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1030102	Failed in MoveLinearAbsolute command. (Control group4) The speed is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1030103	Failed in MoveLinearAbsolute command. (Control group4) Undefined speed unit has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1030104	Failed in MoveLinearAbsolute command. (Control group4) Undefined rotational speed has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1030105	Failed in MoveLinearAbsolute command. (Control group4) The blend factor is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1030106	Failed in MoveLinearAbsolute command. (Control group4) Undefined blend type has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1030107	Failed in MoveLinearAbsolute command. (Control group4) Incorrect number of user coordinate has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1030108	Failed in MoveLinearAbsolute command. (Control group4) Incorrect number of position variable has been set.	Setting error	Input correct data.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1030109	Failed in MoveLinearAbsolute command. (Control group4) Incorrect value of frame shift has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1030110	Failed in MoveLinearAbsolute command. (Control group4)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1030111	Failed in MoveLinearAbsolute command. (Control group4) Incorrect parameter of +DOUT has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1030112	Failed in MoveLinearAbsolute command. (Control group4) The acceleration is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1030113	Failed in MoveLinearAbsolute command. (Control group4) The deceleration is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1030114	Failed in MoveLinearAbsolute command. (Control group4) The VMAX speed is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1030115	Failed in MoveLinearAbsolute command. (Control group4) Failed in search motion.	Setting error	Reset the alarm, and then try again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1030116	Failed in MoveLinearAbsolute command. (Control group4) The VMAX and search can not be specified to the same target.	Setting error	1. Reset the alarm 2. Specify other than 2 to speedUnits or, Reset search by executing ResetSearch command. 3. Then try again.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1030117	Failed in MoveLinearAbsolute command. (Control group4) Failed in multi move motion.	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1030118	Failed in MoveLinearAbsolute command. (Control group4) Incorrect control group is specified for multi move motion.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1030119	Failed in MoveLinearAbsolute command. (Control group4) The VMAX and multi move cannot be used.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1030120	Failed in MoveLinearAbsolute command. (Control group4) Multi move with searching is not allowed.	Setting error	1. Reset the alarm 2. Execute ResetSearch and MultiMoveOff command. 3. Execute either SetSearch or MultiMoveOn command. 4. Execute MoveLinearAbsolute command.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1030200	Failed in MoveLinearRelative command. (Control group4) Undefined target position type has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1030201	Failed in MoveLinearRelative command. (Control group4) Undefined coordinate system has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1030202	Failed in MoveLinearRelative command. (Control group4) The speed is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
1030203	Failed in MoveLinearRelative command. (Control group4) Undefined speed unit has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1030204	Failed in MoveLinearRelative command. (Control group4) Undefined rotational speed has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1030205	Failed in MoveLinearRelative command. (Control group4) The blend factor is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1030206	Failed in MoveLinearRelative command. (Control group4) Undefined blend type has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1030207	Failed in MoveLinearRelative command. (Control group4) Incorrect number of user coordinate has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1030208	Failed in MoveLinearRelative command. (Control group4) Incorrect number of position variable has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1030209	Failed in MoveLinearRelative command. (Control group4) Incorrect value of frame shift has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1030210	Failed in MoveLinearRelative command. (Control group4)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
1030211	Failed in MoveLinearRelative command. (Control group4) Incorrect parameter of +DOUT has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1030212	Failed in MoveLinearRelative command. (Control group4) The acceleration is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1030213	Failed in MoveLinearRelative command. (Control group4) The deceleration is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1030214	Failed in MoveLinearRelative command. (Control group4) The VMAX speed is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1030215	Failed in MoveLinearRelative command. (Control group4) Failed in search motion.	Setting error	Reset the alarm, and then try again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1030216	Failed in MoveLinearRelative command. (Control group4) The VMAX and search can not be specified to the same target.	Setting error	1. Reset the alarm 2. Specify other than 2 to speedUnits or, Reset search by executing ResetSearch command. 3. Then try again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1030217	Failed in MoveLinearRelative command. (Control group4) Failed in multi move motion.	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1030218	Failed in MoveLinearRelative command. (Control group4) Incorrect control group is specified for multi move motion.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
1030219	Failed in MoveLinearRelative command. (Control group4) The VMAX and multi move cannot be used.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1030220	Failed in MoveLinearRelative command. (Control group4) Multi move with searching is not allowed.	Setting error	1. Reset the alarm 2. Execute ResetSearch and MultiMoveOff command. 3. Execute either SetSearch or MultiMoveOn command. 4. Execute MoveLinearRelative command.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1030300	Failed in MoveAxisAbsolute command. (Control group4) Undefined target position type has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1030301	Failed in MoveAxisAbsolute command. (Control group4) Undefined coordinate system has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1030302	Failed in MoveAxisAbsolute command. (Control group4) The speed is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1030303	Failed in MoveAxisAbsolute command. (Control group4) The blend factor is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1030304	Failed in MoveAxisAbsolute command. (Control group4) Undefined blend type has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1030305	Failed in MoveAxisAbsolute command. (Control group4) Incorrect number of user coordinate has been set.	Setting error	Input correct data.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1030306	Failed in MoveAxisAbsolute command. (Control group4) Incorrect number of position variable has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1030307	Failed in MoveAxisAbsolute command. (Control group4) Incorrect value of frame shift has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1030308	Failed in MoveAxisAbsolute command. (Control group4)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1030309	Failed in MoveAxisAbsolute command. (Control group4) Incorrect parameter of +DOUT has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1030310	Failed in MoveAxisAbsolute command. (Control group4) The acceleration is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1030311	Failed in MoveAxisAbsolute command. (Control group4) The deceleration is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1030312	Failed in MoveAxisAbsolute command. (Control group4) Failed in search motion.	Setting error	Reset the alarm, and then try again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1030313	Failed in MoveAxisAbsolute command. (Control group4) Search is not available for axis motion.	Setting error	Search can be used linear motion. 1. Reset the alarm. 2. Execute linear move command.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1030314	Failed in MoveAxisAbsolute command. (Control group4) Failed in multi move motion.	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1030315	Failed in MoveAxisAbsolute command. (Control group4) Incorrect control group is specified for multi move motion.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1030316	Failed in MoveAxisAbsolute command. (Control group4) Multi move motion is not available for axis motion.	Setting error	1. Reset the alarm 2. Use linear move command.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1030400	Failed in MoveAxisRelative command. (Control group4) Undefined target position type has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1030401	Failed in MoveAxisRelative command. (Control group4) Undefined coordinate system has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1030402	Failed in MoveAxisRelative command. (Control group4) The speed is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1030403	Failed in MoveAxisRelative command. (Control group4) The blend factor is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1030404	Failed in MoveAxisRelative command. (Control group4) Undefined blend type has been set.	Setting error	Input correct data.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1030405	Failed in MoveAxisRelative command. (Control group4) Incorrect number of user coordinate has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1030406	Failed in MoveAxisRelative command. (Control group4) Incorrect number of position variable has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1030407	Failed in MoveAxisRelative command. (Control group4) Incorrect value of frame shift has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1030408	Failed in MoveAxisRelative command. (Control group4)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1030409	Failed in MoveAxisRelative command. (Control group4) Incorrect parameter of +DOUT has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1030410	Failed in MoveAxisRelative command. (Control group4) The acceleration is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1030411	Failed in MoveAxisRelative command. (Control group4) The deceleration is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1030412	Failed in MoveAxisRelative command. (Control group4) Failed in search motion.	Setting error	Reset the alarm, and then try again.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1030413	Failed in MoveAxisRelative command. (Control group4) Search is not available for axis motion.	Setting error	Search can be used linear motion. 1. Reset the alarm. 2. Execute linear move command.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1030414	Failed in MoveAxisRelative command. (Control group4) Failed in multi move motion.	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1030415	Failed in MoveAxisRelative command. (Control group4) Incorrect control group is specified for multi move motion.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1030416	Failed in MoveAxisRelative command. (Control group4) Multi move motion is not available for axis motion.	Setting error	1. Reset the alarm. 2. Execute linear move command.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1030600	Failed in JogAxes command. (Control group4) The speed is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1030601	Failed in JogAxes command. (Control group4)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1030700	Failed in JogTcp command. (Control group4) The speed is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1030701	Failed in JogTcp command. (Control group4) Incorrect number of user coordinate has been set.	Setting error	Input correct data.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1030702	Failed in JogTcp command. (Control group4)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1030800	Failed in JogAxesToPoint command. (Control group4) The speed is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1030801	Failed in JogAxesToPoint command. (Control group4)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1030900	Failed in JogTcpToPoint command. (Control group4) The speed is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1030901	Failed in JogTcpToPoint command. (Control group4)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1031000	Failed in MoveCircularOutBorder command (Control group4). Undefined coordinate system has been set.	Setting error	1. Reset the alarm. 2. Set correct coordinate system and then execute command again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1031001	Failed in MoveCircularOutBorder command (Control group4). The speed is out of range.	Setting error	1. Reset the alarm. 2. Set correct speed and then execute command again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1031002	Failed in MoveCircularOutBorder command (Control group4). Undefined speed unit has been set.	Setting error	1. Reset the alarm. 2. Set correct speed unit and then execute command again.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1031003	Failed in MoveCircularOutBorder command (Control group4). The blend factor is out of range.	Setting error	1. Reset the alarm. 2. Set correct blend factor and then execute command again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1031004	Failed in MoveCircularOutBorder command (Control group4). Undefined blend type has been set.	Setting error	1. Reset the alarm. 2. Set correct blend type and then execute command again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1031005	Failed in MoveCircularOutBorder command (Control group4). Incorrect number of user coordinate has been set.	Setting error	1. Reset the alarm. 2. Set correctuser coordinate and then execute command again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1031006	Failed in MoveCircularOutBorder command (Control group4). Incorrect value of frame shift has been set.	Setting error	1. Reset the alarm. 2. Set correct value of frame shift and then execute command again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1031007	Failed in MoveCircularOutBorder command (Control group4).	Setting error	Reset the alarm and then execute command again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1031008	Failed in MoveCircularOutBorder command (Control group4). Incorrect parameter of +DOUT has been set.	Setting error	1. Reset the alarm. 2. Set correct +DOUT and then execute command again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1031009	Failed in MoveCircularOutBorder command (Control group4). The acceleration is out of range.	Setting error	1. Reset the alarm. 2. Set correct acceleration and then execute command again.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1031010	Failed in MoveCircularOutBorder command (Control group4). The deceleration is out of range.	Setting error	1. Reset the alarm. 2. Set correct deceleration and then execute command again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1031011	Failed in MoveCircularOutBorder command (Control group4). Failed in search motion.	Setting error	1. Reset the alarm. 2. Reset search and then execute command again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1031012	Failed in MoveCircularOutBorder command (Control group4). Search function is not available for this command.	Setting error	1. Reset the alarm. 2. Reset search and then execute command again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1031013	Failed in MoveCircularOutBorder command (Control group4). Failed in multi move motion.	Setting error	Reset the alarm and then execute command again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1031014	Failed in MoveCircularOutBorder command (Control group4). Incorrect control group is specified for multi move motion.	Setting error	1. Reset the alarm. 2. Set robot axis and then execute command again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1031015	Failed in MoveCircularOutBorder command (Control group4). Multi move with searching is not allowed.	Setting error	1. Reset the alarm. 2. Reset mutli move and then execute command again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2000000	Failed in Config command. Incorrect command index has been set.	Setting error	Input correct data.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2000001	Failed in Config command. Undefined Config command has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2000002	Failed in Config command. The size of command buffer is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2000100	Failed in GetModuleInfo command.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2000101	Failed in GetModuleInfo command. The number of step is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2000102	Failed in GetModuleInfo command. The size of command buffer is out of range. (IP address)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2000103	Failed in GetModuleInfo command. The size of command buffer is out of range. (MAC address)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2000104	Failed in GetModuleInfo command. The size of command buffer is out of range. (Module type)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2000105	Failed in GetModuleInfo command. The size of command buffer is out of range. (Version)	Setting error	Input correct data.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2000200	Failed in GetProperties command. (Control group1)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2000201	Failed in GetProperties command. (Control group1) The number of step is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2000202	Failed in GetProperties command. Incorrect number of control group has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2000300	Failed in SetToolProperties command. (Control group1)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2000301	Failed in SetToolProperties command. (Control group1) Invalid data of tool has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2000302	Failed in SetToolProperties command. Incorrect number of control group has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2000303	Failed in SetToolProperties command. (Control group1) Incorrect number of tool has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2000304	Failed in SetToolProperties command. (Control group1) Failed to write tool file.	Setting error	Input correct data.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2000400	Failed in SetUserFrame command. (Control group1)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2000401	Failed in SetUserFrame command. (Control group1) Invalid data of user coordinate has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2000402	Failed in SetUserFrame command. Incorrect number of control group has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2000403	Failed in SetUserFrame command. (Control group1) Incorrect number of user coordinate has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2000404	Failed in SetUserFrame command. (Control group1) Failed to write user coordinate file.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2000405	Failed in SetUserFrame command. (Control group1) Failed to make user coordinate.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2000406	Failed in SetUserFrame command. (Control group1) Failed to convert user coordinate.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2000500	Failed in SetFrameShift command. Incorrect number of control group has been set.	Setting error	Input correct data.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2000501	Failed in SetFrameShift command. (Control group1) Undefined coordinate system has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2000502	Failed in SetFrameShift command. (Control group1) Failed to set frame shift.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2000600	Failed in SetCubicIZByCenterPoint command. (Control group1) Undefined IZ action has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2000601	Failed in SetCubicIZByCenterPoint command. (Control group1) Undefined coordinate system has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2000602	Failed in SetCubicIZByCenterPoint command. (Control group1) Incorrect number of user coordinate has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2000603	Failed in SetCubicIZByCenterPoint command. (Control group1)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2000604	Failed in SetCubicIZByCenterPoint command. Incorrect number of control group has been set.	Setting error	Input correct data.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2000605	Failed in SetCubicIZByCenterPoint command. (Control group1) Incorrect ID number has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2000606	Failed in SetCubicIZByCenterPoint command. (Control group1) Failed to write cube file.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2000700	Failed in SetCubicIZByTwoCorners command. (Control group1) Undefined IZ action has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2000701	Failed in SetCubicIZByTwoCorners command. (Control group1) Undefined coordinate system has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2000702	Failed in SetCubicIZByTwoCorners command. (Control group1) Incorrect number of user coordinate has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2000703	Failed in SetCubicIZByTwoCorners command. (Control group1)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2000704	Failed in SetCubicIZByTwoCorners command. Incorrect number of control group has been set.	Setting error	Input correct data.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2000705	Failed in SetCubicIZByTwoCorners command. (Control group1) Incorrect ID number has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2000706	Failed in SetCubicIZByTwoCorners command. (Control group1) Failed to write cube file.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2000800	Failed in CoordinateTransform command. (Control group1)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2000801	Failed in CoordinateTransform command. Incorrect number of control group has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2000802	Failed in CoordinateTransform command. (Control group1) Undefined transform type has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2000803	Failed in CoordinateTransform command. (Control group1) Failed to convert Axis coordinates to TCP coordinates.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2000804	Failed in CoordinateTransform command. (Control group1) Failed to convert Axis coordinates to TCP coordinates.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
2000805	Failed in CoordinateTransform command. (Control group1) Failed to convert TCP coordinates to Axis coordinates. Incorrect number of tool has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2000806	Failed in CoordinateTransform command. (Control group1) Failed to convert TCP coordinates to Axis coordinates.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2000807	Failed in CoordinateTransform command. (Control group1) Failed to convert TCP in World frame to User frame. Incorrect number of user coordinate has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2000808	Failed in CoordinateTransform command. (Control group1) Failed to convert TCP in World frame to User frame. Failed to convert Input coordinates.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2000809	Failed in CoordinateTransform command. (Control group1) Failed to convert TCP in World frame to User frame. Failed to convert User coordinates.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2000810	Failed in CoordinateTransform command. (Control group1) Failed to convert TCP in World frame to User frame. Failed to create inverse matrix of user coordinates.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
2000811	Failed in CoordinateTransform command. (Control group1) Failed to convert TCP in World frame to User frame. Failed in multiplication of coordinates.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2000812	Failed in CoordinateTransform command. (Control group1) Failed to convert TCP in World frame to User frame. Failed to convert Output coordinates.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2000813	Failed in CoordinateTransform command. (Control group1) Failed to convert TCP in User frame to World frame. Incorrect number of user coordinate has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2000814	Failed in CoordinateTransform command. (Control group1) Failed to convert TCP in User frame to World frame. Failed to convert Input coordinates.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2000815	Failed in CoordinateTransform command. (Control group1) Failed to convert TCP in User frame to World frame. Incorrect number of user coordinate has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2000816	Failed in CoordinateTransform command. (Control group1) Failed to convert TCP in User frame to World frame. Failed in multiplication of coordinates.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
2000817	Failed in CoordinateTransform command. (Control group1) Failed to convert TCP in User frame to World frame. Failed to convert Output coordinates.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2000900	Failed in ConveyorSyncStart command. (Control group1)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2000901	Failed in ConveyorSyncStart command. Incorrect number of control group has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2000902	Failed in ConveyorSyncStart command. (Control group1) Incorrect number of conveyor has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2000903	Failed in ConveyorSyncStart command. (Control group1)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2001000	Failed in ConveyorSyncStop command. (Control group1)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2001001	Failed in ConveyorSyncStop command. Incorrect number of control group has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2001002	Failed in ConveyorSyncStop command. (Control group1)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2001100	Failed in PositionVariableGet command. (Control group1)	Setting error	Input correct data.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2001101	Failed in PositionVariableGet command. (Control group1) The size of command buffer is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2001102	Failed in PositionVariableGet command. (Control group1) Failed to read position variable file.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2001103	Failed in PositionVariableGet command. (Control group1) Failed to convert Pulse coordinates to Axis coordinates.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2001104	Failed in PositionVariableGet command. (Control group1) Failed to convert Axis coordinates to TCP coordinates.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2001105	Failed in PositionVariableGet command. (Control group1) Failed to convert TCP coordinates to Axis coordinates.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2001106	Failed in PositionVariableGet command. (Control group1) Failed to convert TCP in User frame to World frame.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2001107	Failed in PositionVariableGet command. (Control group1) Undefined coordinate system has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
2001108	Failed in PositionVariableGet command. (Control group1) Incorrect number of user coordinate has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2001200	Failed in PositionVariableSet command. (Control group1)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2001201	Failed in PositionVariableSet command. (Control group1) Undefined position type has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2001202	Failed in PositionVariableSet command. (Control group1) Failed to write position variable file.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2001203	Failed in PositionVariableSet command. (Control group1) Failed to convert Axis coordinates to Pulse coordinates.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2001204	Failed in PositionVariableSet command. Incorrect number of control group has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2001300	Failed in SetBasePose command. (Control group1)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2001301	Failed in SetBasePose command. Incorrect number of control group has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
2001302	Failed in SetBasePose command. (Control group1) Failed to write file.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2001303	Failed in SetBasePose command. You can not use this command for the robot of control group1.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2001400	Failed in SetHomeOffsets command. (Control group1)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2001401	Failed in SetHomeOffsets command. Incorrect number of control group has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2001402	Failed in SetHomeOffsets command. (Control group1) Failed to get current position of pulse type.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2001403	Failed in SetHomeOffsets command. (Control group1) Failed to write file.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2001404	Failed in SetHomeOffsets command. (Control group1) Undefined offset type has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2001500	Failed in GetHomeOffsets command. (Control group1)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
2001501	Failed in GetHomeOffsets command. Incorrect number of control group has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2001502	Failed in GetHomeOffsets command. (Control group1) Failed to get current position of pulse type.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2001503	Failed in GetHomeOffsets command. (Control group1) Failed to read file.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2001504	Failed in GetHomeOffsets command. (Control group1) Undefined offset type has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2001600	Failed in VarsGet command. (Control group1)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2001601	Failed in VarsGet command. (Control group1) Undefined variable type has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2001602	Failed in VarsGet command. (Control group1) Incorrect number of variable has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2001603	Failed in VarsGet command. (Control group1) Incorrect number of getting has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
2001700	Failed in VarsSet command. (Control group1)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2001701	Failed in VarsSet command. (Control group1) Undefined variable type has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2001702	Failed in VarsSet command. (Control group1) Incorrect number of variable has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2001703	Failed in VarsSet command. (Control group1) Incorrect number of setting has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2001800	Failed in WriteApplicationData command.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2001801	Failed in WriteApplicationData command. Failed to write user frame file.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2001900	Failed in SetProperties command. (Control group1)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2001901	Failed in SetProperties command. (Control group1) The number of step is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
2001902	Failed in SetProperties command. Incorrect number of control group has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2001903	Failed in SetProperties command. (Control group1) The axis index is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2002000	Failed in SetGlobalPrm command.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2002001	Failed in SetGlobalPrm command. Incorrect value of command type has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2002002	Failed in SetGlobalPrm command. The speed override value is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2002100	Failed in ToolCalib command. (Control group1)	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2002101	Failed in ToolCalib command. Incorrect number of control group has been set.	Setting error	1. Reset the alarm. 2. Specify correct control group number and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2002102	Failed in ToolCalib command. (Control group1) Incorrect number of tool has been set.	Setting error	1. Reset the alarm. 2. Specify correct tool number and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
2002103	Failed in ToolCalib command. (Control group1) Incorrect number of calibration method has been set.	Setting error	1. Reset the alarm. 2. Specify correct calibration method and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2002104	Failed in ToolCalib command. (Control group1) Robot moving.	Setting error	1. Reset the alarm. 2. Stop robot and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2002105	Failed in ToolCalib command. (Control group1) The teaching points include the same points.	Setting error	1. Reset the alarm. 2. Set the teaching point to a different point and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2002106	Failed in ToolCalib command. (Control group1) An alarm or error is occurring.	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2002107	Failed in ToolCalib command. (Control group1) Editing is prohibited.	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2002108	Failed in ToolCalib command. (Control group1) Specified group is not supported .	Setting error	1. Reset the alarm. 2. Specify robot control group and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2002109	Failed in ToolCalib command. (Control group1) The tool calibration function is running.	Setting error	1. Reset the alarm. 2. Stop tool calibration and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2003000	Failed in ReleaseBrake command. (Control group1)	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
2003001	Failed in ReleaseBrake command. (Control group1) Failed to stop manual brake release.	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2003002	Failed in ReleaseBrake command. Incorrect number of control group has been set.	Setting error	1. Reset the alarm. 2. Specify correct control group number and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2003003	Failed in ReleaseBrake command. (Control group1) Incorrect axes have been set.	Setting error	1. Reset the alarm. 2. Specify correct axes information and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2003004	Failed in ReleaseBrake command. (Control group1) ReleaseBrake command was executed when the servo power was ON.	Setting error	1. Reset the alarm. 2. Turn off the servo power and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2003005	Failed in ReleaseBrake command. (Control group1) ReleaseBrake command was executed when in emergency stop condition.	Setting error	1. Reset the alarm. 2. Releasing the emergency stop and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2003006	Failed in ReleaseBrake command. (Control group1) ReleaseBrake command was executed when the BRK_EN signal was in the release prohibition condition.	Setting error	1. Reset the alarm. 2. Set the BRK_EN signal to release permission condition and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2003007	Failed in ReleaseBrake command. (Control group1) Specified axes are lacked.	Setting error	1. Reset the alarm. 2. Check the brake group information. 3. Specify correct axes and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
2003008	Failed in ReleaseBrake command. (Control group1) Manual release brake function is invalid.	Setting error	1. Reset the alarm. 2. Enable manual release brake function and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2003100	Failed in servofloat ON.	Setting error	1. Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2003101	Failed in servofloat ON. Specified group number is out of range.	Setting error	1. Reset the alarm. 2. Specify correct control group number and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2003102	Failed in servofloat ON. Specified servofloat type is invalid.	Setting error	1. Reset the alarm. 2. Specify correct servofloat type and execute again. 3. If the alarm occurs again, confirm that specified servofloat type function is enabled.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2003103	Failed in servofloat ON. Specified servofloat condition file number is out of range.	Setting error	1. Reset the alarm. 2. Specify correct servofloat type and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2003104	Failed in servofloat ON. Specified group is not supported axis servofloat.	Setting error	1. Reset the alarm. 2. Base axes control group is not supported. Specify robot or station axes control group and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2003105	Failed in servofloat ON. Specified group is not supported linear servofloat.	Setting error	1. Reset the alarm. 2. Base and station axes control group is not supported. Specify Robot axes control group and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2003106	Failed in servofloat ON. Specified group is different from specified one in a servofloat condition file.	Setting error	1. Reset the alarm. 2. Confirm the group nubmer specified in a servofloat condition file. 3. Specify that group number and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
2003107	Failed in servofloat ON. Failed in referring servofloat condition file.	Setting error	1. Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2003108	Failed in servofloat ON. User frame number is not active.	Setting error	1. Reset the alarm. 2. Set active user frame number and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2003109	Failed in servofloat ON. Robot moving.	Setting error	1. Reset the alarm. 2. Stop robot and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2003110	Failed in servofloat ON. Alarm occurring.	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2003111	Failed in servofloat ON. Servo power is down.	Setting error	1. Reset the alarm. 2. Turn on the servo power and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2003200	Failed in servofloat OFF.	Setting error	1. Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2003201	Failed in servofloat OFF. Specified control group number is out of range.	Setting error	1. Reset the alarm. 2. Specify correct control group number and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2003202	Failed in servofloat OFF. Specified control group is not supported.	Setting error	1. Reset the alarm. 2. Base axes control group is not supported. Specify robot or station axes control group and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2003203	Failed in servofloat OFF. Robot moving.	Setting error	1. Reset the alarm. 2. Stop robot and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2003204	Failed in servofloat OFF. Alarm occurring.	Setting error	Reset the alarm and execute again.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2003205	Failed in servofloat OFF. Servo power is down.	Setting error	1. Reset the alarm. 2. Turn on the servo power and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2003300	Failed in writing servofloat condition file.	Setting error	1. Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2003301	Failed in writing servofloat condition file. Specified control group number is out of range.	Setting error	1. Reset the alarm. 2. Specify correct control group number and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2003302	Failed in writing servofloat condition file. Specified servofloat type is invalid.	Setting error	1. Reset the alarm. 2. Specify correct servofloat type and execute again. 3. If the alarm occurs again, confirm that specified servofloat type function is enabled.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2003303	Failed in writing servofloat condition file. Specified servofloat condition file number is out of range.	Setting error	1. Reset the alarm. 2. Specify correct servofloat condition file number and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2003304	Failed in writing servofloat condition file. Specified control group is not supported axis servofloat.	Setting error	1. Reset the alarm. 2. Base axes control group is not supported. Specify robot or station axes control group and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2003305	Failed in writing servofloat condition file. Specified control group is not supported linear servofloat.	Setting error	1. Reset the alarm. 2. Base and station axes control group is not supported. Specify Robot axes control group and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2003306	Failed in writing servofloat condition file. Specified coordinate frame is invalid.	Setting error	1. Reset the alarm. 2. Specify correct coordinate frame and execute again.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2003307	Failed in writing servofloat condition file. Specified max/min torque is out of range.	Setting error	1. Reset the alarm. 2. Specify correct max/min torque and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2003308	Failed in writing servofloat condition file. Specified max/min force is out of range.	Setting error	1. Reset the alarm. 2. Specify correct max/min force and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2003309	Failed in writing servofloat condition file. Robot moving.	Setting error	1. Reset the alarm. 2. Stop robot and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2003310	Failed in writing servofloat condition file. Alarm occurring.	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2003311	Failed in writing servofloat condition file. Edit inhibited.	Setting error	1. Reset the alarm. 2. Release editlock and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2003400	Failed in reading servofloat condition file.	Setting error	1. Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2003401	Failed in reading servofloat condition file. Specified control group is out of range.	Setting error	1. Reset the alarm. 2. Specify correct control group number and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2003402	Failed in reading servofloat condition file. Specified servofloat type is invalid.	Setting error	1. Reset the alarm. 2. Specify correct servofloat type and execute again. 3. If the alarm occurs again, confirm that specified servofloat type function is enabled.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2003403	Failed in reading servofloat condition file. Specified servofloat condition file is out of range.	Setting error	1. Reset the alarm. 2. Specify correct servofloat condition file number and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2003404	Failed in reading servofloat condition file. Specified control group is different from specified one in a servofloat condition file.	Setting error	1. Reset the alarm. 2. Change control group number and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2003405	Failed in reading servofloat condition file. Instruction buffer size is not enough to read.	Setting error	1. Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2003500	Failed in SetCollisionDetectionStatus command. (Control group 1)	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2003501	Failed in SetCollisionDetectionStatus command. Incorrect number of control group has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2003502	Failed in SetCollisionDetectionStatus command. (Control group 1) Specified control group is not a robot.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2003503	Failed in SetCollisionDetectionStatus command. (Control group 1) Incorrect status has been set.	Setting error	Input correct data.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2003600	Failed in SetCollisionDetectionLevels command. (Control group 1)	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2003601	Failed in SetCollisionDetectionLevels command. Incorrect number of control group has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2003602	Failed in SetCollisionDetectionLevels command. (Control group 1) Specified control group is not a robot.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2003603	Failed in SetCollisionDetectionLevels command. (Control group 1) Incorrect resource type has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2003604	Failed in SetCollisionDetectionLevels command. (Control group 1) Incorrect number of file has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2003605	Failed in SetCollisionDetectionLevels command. (Control group 1) Incorrect value of levels has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2003606	Failed in SetCollisionDetectionLevels command. (Control group 1) Robot is moving.	Setting error	1. Reset the alarm. 2. Stop robot and execute again.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2003700	Failed in WriteCollisionDetectionFile command. (Control group 1)	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2003701	Failed in WriteCollisionDetectionFile command. Incorrect number of control group has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2003702	Failed in WriteCollisionDetectionFile command. (Control group 1) Specified control group is not a robot.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2003703	Failed in WriteCollisionDetectionFile command. (Control group 1) Incorrect number of file has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2003704	Failed in WriteCollisionDetectionFile command. (Control group 1) Incorrect value of levels has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2003705	Failed in WriteCollisionDetectionFile command. (Control group 1) The function parameter has not been set.	Setting error	Enable Teach Mode Each Axis Setting Function
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2003706	Failed in WriteCollisionDetectionFile command. (Control group 1) Robot is moving.	Setting error	1. Reset the alarm. 2. Stop robot and execute again.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2003800	Failed in GetCollisionDetectionStatus command. (Control group 1)	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2003801	Failed in GetCollisionDetectionStatus command. Incorrect number of control group has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2003802	Failed in GetCollisionDetectionStatus command. (Control group 1) Specified control group is not a robot.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2003900	Failed in GetCollisionDetectionTorque command. (Control group 1)	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2003901	Failed in GetCollisionDetectionTorque command. Incorrect number of control group has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2003902	Failed in GetCollisionDetectionTorque command. (Control group 1) Specified control group is not a robot.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2004000	Failed in ResetCollisionDetectionTorque command.	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
2004100	Failed in WriteLimitStatus command.	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2004101	Failed in WriteLimitStatus command. Specified limit type is invalid.	Setting error	1. Reset the alarm. 2. Specify correct limit type and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2004102	Failed in WriteLimitStatus command. All limit have been released.	Setting error	1. Reset the alarm. 2. Confirm the setting of all limit release. Cancel the all limit release and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2004103	Failed in WriteLimitStatus command. Robot moving.	Setting error	1. Reset the alarm. 2. Stop robot and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2004104	Failed in WriteLimitStatus command. Arm interference check function is invalid.	Setting error	1. Reset the alarm. 2. Check whether the arm interference check function is valid and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2004105	Failed in WriteLimitStatus command. Self interference check function is invalid.	Setting error	1. Reset the alarm. 2. Check whether the self interference check function is valid and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2004106	Failed in WriteLimitStatus command. Cube/Axis interference check function is invalid.	Setting error	1. Reset the alarm. 2. Check whether the Cube/Axis interference check function is valid and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2004200	Failed in ReadLimitStatus command.	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2004201	Failed in ReadLimitStatus command. Specified limit type is invalid.	Setting error	1. Reset the alarm. 2. Specify correct limit type and execute again.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2004300	Failed in BrakeGroupInfoGet command. (Control group1)	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2004301	Failed in BrakeGroupInfoGet command. Incorrect number of control group has been set.	Setting error	1. Reset the alarm. 2. Specify correct control group number and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2004400	Failed in SetSearch command. (Control Group1)	Setting error	1. Confirm option function: "Search function" is enabled. 2. Reset the alarm and then try again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2004401	Failed in SetSearch command. (Control Group1) Specified group number is out of range.	Setting error	1. Reset the alarm. 2. Specify correct group number and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2004402	Failed in SetSearch command. (Control Group1) Specified control group is not supported search function.	Setting error	Search function supports only robot. 1. Reset the alarm. 2. Specify robot and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2004403	Failed in SetSearch command. (Control Group1) Specified InputSignalBits is invalid.	Setting error	1. Reset the alarm. 2. Specify correct RIN signal and then try again. Incorrect specification is shown below. a. It can not be specified 0. b. If SearchAction is specified 0, it can not be specified multiple RIN signals. c. It can not be specified RIN signal which number is out of range.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2004404	Failed in SetSearch command. (Control Group1) Specified SearchAction is invalid.	Setting error	SearchAction can be specifiled only 0. 1. Reset the alarm. 2. Specify 0 to SearchAction and execute again.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2004500	Failed in ResetSearch command. (Control Group1)	Setting error	1. Confirm option function: "Search function" is enabled. 2. Reset the alarm and then try again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2004501	Failed in ResetSearch command. (Control Group1) Specified group number is out of range.	Setting error	1. Reset the alarm. 2. Specify correct group number and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2004502	Failed in ResetSearch command. (Control Group1) Specified control group is not supported search function.	Setting error	Search functon supports only robot. 1. Reset the alarm. 2. Specify robot and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2004600	Failed in GetSearchResult command.(Control Group1)	Setting error	Reset the alarm, and then try again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2004601	Failed in GetSearchResult command.(Control Group1) Specified group number is out of range.	Setting error	1. Reset the alarm. 2. Specify correct group number and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2004602	Failed in GetSearchResult command.(Control Group1) Specified control group is not supported search function.	Setting error	Station group can not be specified. 1. Reset the alarm. 2. Specify robot or base axes group number and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2004603	Failed in GetSearchResult command.(Control Group1) Memory to store result is not enough.	Setting error	Reset the alarm, and then try again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2004604	Failed in GetSearchResult command.(Control Group1) Robot is moving.	Setting error	1. Reset the alarm. 2. Stop robot and execute again.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2004700	Failed in GetSearchPosition command.(Control Group1)	Setting error	Reset the alarm, and then try again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2004701	Failed in GetSearchPosition command.(Control Group1) Specified group number is out of range.	Setting error	1. Reset the alarm. 2. Specify correct group number and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2004702	Failed in GetSearchResult command.(Control Group1) Specified control group is not supported search function.	Setting error	Station group can not be specified. 1. Reset the alarm. 2. Specify robot or base axes group number and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2004703	Failed in GetSearchPosition command.(Control Group1) Memory to store result is not enough.	Setting error	Reset the alarm, and then try again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2004704	Failed in GetSearchPosition command.(Control Group1) Specified coordinate system is out of range.	Setting error	1. Reset the alarm. 2. Specify world or user coordinate system and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2004705	Failed in GetSearchPosition command.(Control Group1) Specified detected number is out of range.	Setting error	If using search motion with SearchAction is 0, detected number must be 0. 1. Reset the alarm. 2. Speicify 0 to detected number and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2004706	Failed in GetSearchPosition command.(Control Group1) RIN signal has not been detected.	Setting error	1. Reset the alarm. 2. Verify detected count by executing GetSearchResult command. 3. Execute instruction again if it's more than 0.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
2004707	Failed in GetSearchPosition command.(Control Group1) Failed in getting detected TCP position.	Setting error	Reset the alarm, and then try again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2004708	Failed in GetSearchPosition command.(Control Group1) Failed in getting detected TCP position in User coordinate system because, user frame had been inactive when search motion was enqueued.	Setting error	Set active user frame number when execute linear move command with search.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2004709	Failed in GetSearchPosition command.(Control Group1) Failed in getting detected TCP position in user coordinate system.	Setting error	Reset the alarm, and then try again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2004710	Failed in GetSearchPosition command.(Control Group1) Robot is moving.	Setting error	1. Reset the alarm. 2. Stop robot and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2004800	Failed in MultiMoveOn command. (Control group 1)	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2004801	Failed in MultiMoveOn command. Incorrect number of control group has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2004802	Failed in MultiMoveOn command. (Control group 1) Specified control group is not supported.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2004803	Failed in MultiMoveOn command. (Control group 1) The system state is illegal.	Setting error	1. Reset the alarm 2. Confirm the system state and execute again.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2004804	Failed in MultiMoveOn command. (Control group 1) Multiple control group is not supported.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2004805	Failed in MultiMoveOn command. (Control group 1) The VMAX is not supported for multi move motion.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2004806	Failed in MultiMoveOn command. (Control group 1) The speed is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2004807	Failed in MultiMoveOn command. (Control group 1) The acceleration is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2004808	Failed in MultiMoveOn command. (Control group 1) The deceleration is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2004900	Failed in MultiMoveOff command. (Control group 1)	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2004901	Failed in MultiMoveOff command. Incorrect number of control group has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2004902	Failed in MultiMoveOff command. (Control group 1) Specified control group is not supported.	Setting error	Input correct data.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2004903	Failed in MultiMoveOff command. (Control group 1) Failed to start motion.	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2005000	Failed in SetMultiMoveMinimumBuffer command. (Control group 1)	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2005001	Failed in SetMultiMoveMinimumBuffer command. Incorrect number of control group has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2005002	Failed in SetMultiMoveMinimumBuffer command. (Control group 1) Specified control group is not supported.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2005003	Failed in SetMultiMoveMinimumBuffer command. (Control group 1) The minimum buffer is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2005004	Failed in SetMultiMoveMinimumBuffer command. (Control group 1) The robot is moving.	Setting error	1. Reset the alarm. 2. Stop the robot and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2005100	Failed in GetSafetyCRC command.		1. Reset the alarm. 2. Stop robot and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
2005101	Failed in GetSafetyCRC command. The size of command buffer is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2005102	Failed in GetSafetyCRC command. The number is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2005103	Failed in GetSafetyCRC command. The filetype is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2005200	Failed in MLxGetConfigLog command.		1. Reset the alarm. 2. Stop robot and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2005201	Failed in MLxGetConfigLog command. The size of command buffer is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2005202	Failed in MLxGetConfigLog command. The number is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2005203	Failed in MLxGetConfigLog command. The configlogtype is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2010200	Failed in GetProperties command. (Control group2)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
2010201	Failed in GetProperties command. (Control group2) The number of step is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2010300	Failed in SetToolProperties command. (Control group2)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2010301	Failed in SetToolProperties command. (Control group2) Invalid data of tool has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2010303	Failed in SetToolProperties command. (Control group2) Incorrect number of tool has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2010304	Failed in SetToolProperties command. (Control group2) Failed to write tool file.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2010400	Failed in SetUserFrame command. (Control group2)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2010401	Failed in SetUserFrame command. (Control group2) Invalid data of user coordinate has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2010403	Failed in SetUserFrame command. (Control group2) Incorrect number of user coordinate has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
2010404	Failed in SetUserFrame command. (Control group2) Failed to write user coordinate file.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2010405	Failed in SetUserFrame command. (Control group2) Failed to make user coordinate.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2010406	Failed in SetUserFrame command. (Control group2) Failed to convert user coordinate.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2010501	Failed in SetFrameShift command. (Control group2) Undefined coordinate system has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2010502	Failed in SetFrameShift command. (Control group2) Failed to set frame shift.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2010600	Failed in SetCubicIZByCenterPoint command. (Control group2) Undefined IZ action has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2010601	Failed in SetCubicIZByCenterPoint command. (Control group2) Undefined coordinate system has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
2010602	Failed in SetCubicIZByCenterPoint command. (Control group2) Incorrect number of user coordinate has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2010603	Failed in SetCubicIZByCenterPoint command. (Control group2)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2010605	Failed in SetCubicIZByCenterPoint command. (Control group2) Incorrect ID number has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2010606	Failed in SetCubicIZByCenterPoint command. (Control group2) Failed to write cube file.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2010700	Failed in SetCubicIZByTwoCorners command. (Control group2) Undefined IZ action has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2010701	Failed in SetCubicIZByTwoCorners command. (Control group2) Undefined coordinate system has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2010702	Failed in SetCubicIZByTwoCorners command. (Control group2) Incorrect number of user coordinate has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
2010703	Failed in SetCubicIZByTwoCorners command. (Control group2)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2010705	Failed in SetCubicIZByTwoCorners command. (Control group2) Incorrect ID number has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2010706	Failed in SetCubicIZByTwoCorners command. (Control group2) Failed to write cube file.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2010800	Failed in CoordinateTransform command. (Control group2)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2010802	Failed in CoordinateTransform command. (Control group2) Undefined transform type has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2010803	Failed in CoordinateTransform command. (Control group2) Failed to convert Axis coordinates to TCP coordinates.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2010804	Failed in CoordinateTransform command. (Control group2) Failed to convert Axis coordinates to TCP coordinates.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2010805	Failed in CoordinateTransform command. (Control group2) Failed to convert TCP coordinates to Axis coordinates. Incorrect number of tool has been set.	Setting error	Input correct data.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2010806	Failed in CoordinateTransform command. (Control group2) Failed to convert TCP coordinates to Axis coordinates.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2010807	Failed in CoordinateTransform command. (Control group2) Failed to convert TCP in World frame to User frame. Incorrect number of user coordinate has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2010808	Failed in CoordinateTransform command. (Control group2) Failed to convert TCP in World frame to User frame. Failed to convert Input coordinates.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2010809	Failed in CoordinateTransform command. (Control group2) Failed to convert TCP in World frame to User frame. Failed to convert User coordinates.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2010810	Failed in CoordinateTransform command. (Control group2) Failed to convert TCP in World frame to User frame. Failed to create inverse matrix of user coordinates.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2010811	Failed in CoordinateTransform command. (Control group2) Failed to convert TCP in World frame to User frame. Failed in multiplication of coordinates.	Setting error	Input correct data.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2010812	Failed in CoordinateTransform command. (Control group2) Failed to convert TCP in World frame to User frame. Failed to convert Output coordinates.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2010813	Failed in CoordinateTransform command. (Control group2) Failed to convert TCP in User frame to World frame. Incorrect number of user coordinate has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2010814	Failed in CoordinateTransform command. (Control group2) Failed to convert TCP in User frame to World frame. Failed to convert Input coordinates.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2010815	Failed in CoordinateTransform command. (Control group2) Failed to convert TCP in User frame to World frame. Incorrect number of user coordinate has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2010816	Failed in CoordinateTransform command. (Control group2) Failed to convert TCP in User frame to World frame. Failed in multiplication of coordinates.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2010817	Failed in CoordinateTransform command. (Control group2) Failed to convert TCP in User frame to World frame. Failed to convert Output coordinates.	Setting error	Input correct data.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2010900	Failed in ConveyorSyncStart command. (Control group2)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2010902	Failed in ConveyorSyncStart command. (Control group2) Incorrect number of conveyor has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2010903	Failed in ConveyorSyncStart command. (Control group2)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2011000	Failed in ConveyorSyncStop command. (Control group2)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2011002	Failed in ConveyorSyncStop command. (Control group2)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2011100	Failed in PositionVariableGet command. (Control group2)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2011101	Failed in PositionVariableGet command. (Control group2) The size of command buffer is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2011102	Failed in PositionVariableGet command. (Control group2) Failed to read position variable file.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
2011103	Failed in PositionVariableGet command. (Control group2) Failed to convert Pulse coordinates to Axis coordinates.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2011104	Failed in PositionVariableGet command. (Control group2) Failed to convert Axis coordinates to TCP coordinates.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2011105	Failed in PositionVariableGet command. (Control group2) Failed to convert TCP coordinates to Axis coordinates.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2011106	Failed in PositionVariableGet command. (Control group2) Failed to convert TCP in User frame to World frame.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2011107	Failed in PositionVariableGet command. (Control group2) Undefined coordinate system has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2011108	Failed in PositionVariableGet command. (Control group2) Incorrect number of user coordinate has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2011200	Failed in PositionVariableSet command. (Control group2)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2011201	Failed in PositionVariableSet command. (Control group2) Undefined position type has been set.	Setting error	Input correct data.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2011202	Failed in PositionVariableSet command. (Control group2) Failed to write position variable file.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2011203	Failed in PositionVariableSet command. (Control group2) Failed to convert Axis coordinates to Pulse coordinates.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2011300	Failed in SetBasePose command. (Control group2)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2011302	Failed in SetBasePose command. (Control group2) Failed to write file.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2011400	Failed in SetHomeOffsets command. (Control group2)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2011402	Failed in SetHomeOffsets command. (Control group2) Failed to get current position of pulse type.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2011403	Failed in SetHomeOffsets command. (Control group2) Failed to write file.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2011404	Failed in SetHomeOffsets command. (Control group2) Undefined offset type has been set.	Setting error	Input correct data.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2011500	Failed in GetHomeOffsets command. (Control group2)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2011502	Failed in GetHomeOffsets command. (Control group2) Failed to get current position of pulse type.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2011503	Failed in GetHomeOffsets command. (Control group2) Failed to read file.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2011504	Failed in GetHomeOffsets command. (Control group2) Undefined offset type has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2011600	Failed in VarsGet command. (Control group2)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2011601	Failed in VarsGet command. (Control group2) Undefined variable type has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2011602	Failed in VarsGet command. (Control group2) Incorrect number of variable has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2011603	Failed in VarsGet command. (Control group2) Incorrect number of getting has been set.	Setting error	Input correct data.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2011700	Failed in VarsSet command. (Control group2)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2011701	Failed in VarsSet command. (Control group2) Undefined variable type has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2011702	Failed in VarsSet command. (Control group2) Incorrect number of variable has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2011703	Failed in VarsSet command. (Control group2) Incorrect number of setting has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2011900	Failed in SetProperties command. (Control group2)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2011901	Failed in SetProperties command. (Control group2) The number of step is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2011903	Failed in SetProperties command. (Control group2) The axis index is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2012100	Failed in ToolCalib command. (Control group2)	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
2012102	Failed in ToolCalib command. (Control group2) Incorrect number of tool has been set.	Setting error	1. Reset the alarm. 2. Specify correct tool number and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2012103	Failed in ToolCalib command. (Control group2) Incorrect number of calibration method has been set.	Setting error	1. Reset the alarm. 2. Specify correct calibration method and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2012104	Failed in ToolCalib command. (Control group2) Robot moving.	Setting error	1. Reset the alarm. 2. Stop robot and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2012105	Failed in ToolCalib command. (Control group2) The teaching points include the same points.	Setting error	1. Reset the alarm. 2. Set the teaching point to a different point and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2012106	Failed in ToolCalib command. (Control group2) An alarm or error is occurring.	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2012107	Failed in ToolCalib command. (Control group2) Editing is prohibited.	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2012108	Failed in ToolCalib command. (Control group2) Specified group is not supported .	Setting error	1. Reset the alarm. 2. Specify robot control group and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2012109	Failed in ToolCalib command. (Control group2) The tool calibration function is running.	Setting error	1. Reset the alarm. 2. Stop tool calibration and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
2013000	Failed in ReleaseBrake command. (Control group2)	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2013001	Failed in ReleaseBrake command. (Control group2) Failed to stop manual brake release.	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2013003	Failed in ReleaseBrake command. (Control group2) Incorrect axes have been set.	Setting error	1. Reset the alarm. 2. Specify correct axes information and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2013004	Failed in ReleaseBrake command. (Control group2) ReleaseBrake command was executed when the servo power was ON.	Setting error	1. Reset the alarm. 2. Turn off the servo power and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2013005	Failed in ReleaseBrake command. (Control group2) ReleaseBrake command was executed when in emergency stop condition.	Setting error	1. Reset the alarm. 2. Releasing the emergency stop and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2013006	Failed in ReleaseBrake command. (Control group2) ReleaseBrake command was executed when the BRK_EN signal was in the release prohibition condition.	Setting error	1. Reset the alarm. 2. Set the BRK_EN signal to release permission condition and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2013007	Failed in ReleaseBrake command. (Control group2) Specified axes are lacked.	Setting error	1. Reset the alarm. 2. Check the brake group information. 3. Specify correct axes and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2013008	Failed in ReleaseBrake command. (Control group2) Manual release brake function is invalid.	Setting error	1. Reset the alarm. 2. Enable manual release brake function and execute again.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2013100	Failed in servofloat ON (Control Group No.2).	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2013101	Failed in servofloat ON (Control Group No.2). Specified group number is out of range.	Setting error	1. Reset the alarm. 2. Specify correct control group number and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2013102	Failed in servofloat ON (Control Group No.2). Specified servofloat type is invalid.	Setting error	1. Reset the alarm. 2. Specify correct servofloat type and execute again. 3. If the alarm occurs again, confirm that specified servofloat type function is enabled.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2013103	Failed in servofloat ON (Control Group No.2). Specified servofloat condition file number is out of range.	Setting error	1. Reset the alarm. 2. Specify correct servofloat type and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2013104	Failed in servofloat ON (Control Group No.2). Specified group is not supported axis servofloat.	Setting error	1. Reset the alarm. 2. Base axes control group is not supported. Specify robot or station axes control group and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2013105	Failed in servofloat ON (Control Group No.2). Specified group is not supported linear servofloat.	Setting error	1. Reset the alarm. 2. Base and station axes control group is not supported. Specify Robot axes control group and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2013106	Failed in servofloat ON (Control Group No.2). Specified group is different from specified one in a servofloat condition file.	Setting error	1. Reset the alarm. 2. Confirm the group nubmer specified in a servofloat condition file. 3. Specify that group number and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
2013107	Failed in servofloat ON (Control Group No.2). Failed in referring servofloat condition file.	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2013108	Failed in servofloat ON (Control Group No.2). User frame number is not active.	Setting error	1. Reset the alarm. 2. Set active user frame number and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2013109	Failed in servofloat ON (Control Group No.2). Robot moving.	Setting error	1. Reset the alarm. 2. Stop robot and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2013110	Failed in servofloat ON (Control Group No.2). Alarm occurring.	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2013111	Failed in servofloat ON (Control Group No.2). Servo power is down.	Setting error	1. Reset the alarm. 2. Turn on the servo power and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2013200	Failed in servofloat OFF (Control Group No.2).	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2013201	Failed in servofloat OFF (Control Group No.2). Specified control group number is out of range.	Setting error	1. Reset the alarm. 2. Specify correct control group number and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2013202	Failed in servofloat OFF (Control Group No.2). Specified control group is not supported.	Setting error	1. Reset the alarm. 2. Base axes control group is not supported. Specify robot or station axes control group and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
2013203	Failed in servofloat OFF (Control Group No.2). Robot moving.	Setting error	1. Reset the alarm. 2. Stop robot and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2013204	Failed in servofloat OFF (Control Group No.2). Alarm occurring.	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2013205	Failed in servofloat OFF (Control Group No.2). Servo power is down.	Setting error	1. Reset the alarm. 2. Turn on the servo power and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2013300	Failed in writing servofloat condition file (Control Group No.2).	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2013301	Failed in writing servofloat condition file (Control Group No.2). Specified control group number is out of range.	Setting error	1. Reset the alarm. 2. Specify correct control group number and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2013302	Failed in writing servofloat condition file (Control Group No.2). Specified servofloat type is invalid.	Setting error	1. Reset the alarm. 2. Specify correct servofloat type and execute again. 3. If the alarm occurs again, confirm that specified servofloat type function is enabled.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2013303	Failed in writing servofloat condition file (Control Group No.2). Specified servofloat condition file number is out of range.	Setting error	1. Reset the alarm. 2. Specify correct servofloat condition file number and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2013304	Failed in writing servofloat condition file (Control Group No.2). Specified control group is not supported axis servofloat.	Setting error	1. Reset the alarm. 2. Base axes control group is not supported. Specify robot or station axes control group and execute again.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2013305	Failed in writing servofloat condition file (Control Group No.2). Specified control group is not supported linear servofloat.	Setting error	1. Reset the alarm. 2. Base and station axes control group is not supported. Specify Robot axes control group and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2013306	Failed in writing servofloat condition file (Control Group No.2). Specified coordinate frame is invalid.	Setting error	1. Reset the alarm. 2. Specify correct coordinate frame and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2013307	Failed in writing servofloat condition file (Control Group No.2). Specified max/min torque is out of range.	Setting error	1. Reset the alarm. 2. Specify correct max/min torque and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2013308	Failed in writing servofloat condition file (Control Group No.2). Specified max/min force is out of range.	Setting error	1. Reset the alarm. 2. Specify correct max/min force and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2013309	Failed in writing servofloat condition file (Control Group No.2). Robot moving.	Setting error	1. Reset the alarm. 2. Stop robot and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2013310	Failed in writing servofloat condition file (Control Group No.2). Alarm occurring.	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2013311	Failed in writing servofloat condition file (Control Group No.2). Edit inhibited.	Setting error	1. Reset the alarm. 2. Release editlock and execute again.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2013400	Failed in reading servofloat condition file (Control Group No.2).	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2013401	Failed in reading servofloat condition file (Control Group No.2). Specified control group is out of range.	Setting error	1. Reset the alarm. 2. Specify correct control group number and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2013402	Failed in reading servofloat condition file (Control Group No.2). Specified servofloat type is invalid.	Setting error	1. Reset the alarm. 2. Specify correct servofloat type and execute again. 3. If the alarm occurs again, confirm that specified servofloat type function is enabled.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2013403	Failed in reading servofloat condition file (Control Group No.2). Specified servofloat condition file is out of range.	Setting error	1. Reset the alarm. 2. Specify correct servofloat condition file number and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2013404	Failed in reading servofloat condition file (Control Group No.2). Specified control group is different from specified one in a servofloat condition file.	Setting error	1. Reset the alarm. 2. Change control group number and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2013405	Failed in reading servofloat condition file (Control Group No.2). Instruction buffer size is not enough to read.	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2013500	Failed in SetCollisionDetectionStatus command. (Control group 2)	Setting error	Reset the alarm and execute again.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2013502	Failed in SetCollisionDetectionStatus command. (Control group 2) Specified control group is not a robot.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2013503	Failed in SetCollisionDetectionStatus command. (Control group 2) Incorrect status has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2013600	Failed in SetCollisionDetectionLevels command. (Control group 2)	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2013602	Failed in SetCollisionDetectionLevels command. (Control group 2) Specified control group is not a robot.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2013603	Failed in SetCollisionDetectionLevels command. (Control group 2) Incorrect resource type has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2013604	Failed in SetCollisionDetectionLevels command. (Control group 2) Incorrect number of file has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2013605	Failed in SetCollisionDetectionLevels command. (Control group 2) Incorrect value of levels has been set.	Setting error	Input correct data.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2013606	Failed in SetCollisionDetectionLevels command. (Control group 2) Robot is moving.	Setting error	1. Reset the alarm. 2. Stop robot and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2013700	Failed in WriteCollisionDetectionFile command. (Control group 2)	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2013702	Failed in WriteCollisionDetectionFile command. (Control group 2) Specified control group is not a robot.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2013703	Failed in WriteCollisionDetectionFile command. (Control group 2) Incorrect number of file has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2013704	Failed in WriteCollisionDetectionFile command. (Control group 2) Incorrect value of levels has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2013705	Failed in WriteCollisionDetectionFile command. (Control group 2) The function parameter has not been set.	Setting error	Enable Teach Mode Each Axis Setting Function
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2013706	Failed in WriteCollisionDetectionFile command. (Control group 2) Robot is moving.	Setting error	1. Reset the alarm. 2. Stop robot and execute again.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2013800	Failed in GetCollisionDetectionStatus command. (Control group 2)	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2013802	Failed in GetCollisionDetectionStatus command. (Control group 2) Specified control group is not a robot.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2013900	Failed in GetCollisionDetectionTorque command. (Control group 2)	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2013902	Failed in GetCollisionDetectionTorque command. (Control group 2) Specified control group is not a robot.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2014300	Failed in BrakeGroupInfoGet command. (Control group2)	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2014400	Failed in SetSearch command. (Control Group2)	Setting error	1. Confirm option function: "Search function" is enabled. 2. Reset the alarm and then try again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2014401	Failed in SetSearch command. (Control Group2) Specified group number is out of range.	Setting error	1. Reset the alarm. 2. Specify correct group number and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2014402	Failed in SetSearch command. (Control Group2) Specified control group is not supported search function.	Setting error	Search function supports only robot. 1. Reset the alarm. 2. Specify robot and execute again.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2014403	Failed in SetSearch command. (Control Group2) Specified InputSignalBits is invalid.	Setting error	1. Reset the alarm. 2. Specify correct RIN signal and then try again. Incorrect specification is shown below. a. It can not be specified 0. b. If SearchAction is specified 0, it can not be specified multiple RIN signals. c. It can not be specified RIN signal which number is out of range.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2014404	Failed in SetSearch command. (Control Group2) Specified SearchAction is invalid.	Setting error	SearchAction can be specifiled only 0. 1. Reset the alarm. 2. Specify 0 to SearchAction and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2014500	Failed in ResetSearch command. (Control Group2)	Setting error	1. Confirm option function: "Search function" is enabled. 2. Reset the alarm and then try again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2014501	Failed in ResetSearch command. (Control Group2) Specified group number is out of range.	Setting error	1. Reset the alarm. 2. Specify correct group number and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2014502	Failed in ResetSearch command. (Control Group2) Specified control group is not supported search function.	Setting error	Search functon supports only robot. 1. Reset the alarm. 2. Specify robot and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2014600	Failed in GetSearchResult command.(Control Group2)	Setting error	Reset the alarm, and then try again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2014601	Failed in GetSearchResult command.(Control Group2) Specified group number is out of range.	Setting error	1. Reset the alarm. 2. Specify correct group number and execute again.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2014602	Failed in GetSearchResult command.(Control Group2) Specified control group is not supported search function.	Setting error	Station group can not be specified. 1. Reset the alarm. 2. Specify robot or base axes group number and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2014603	Failed in GetSearchResult command.(Control Group2) Memory to store result is not enough.	Setting error	Reset the alarm, and then try again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2014604	Failed in GetSearchResult command.(Control Group2) Robot is moving.	Setting error	1. Reset the alarm. 2. Stop robot and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2014700	Failed in GetSearchPosition command.(Control Group2)	Setting error	Reset the alarm, and then try again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2014701	Failed in GetSearchPosition command.(Control Group2) Specified group number is out of range.	Setting error	1. Reset the alarm. 2. Specify correct group number and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2014702	Failed in GetSearchResult command.(Control Group2) Specified control group is not supported search function.	Setting error	Station group can not be specified. 1. Reset the alarm. 2. Specify robot or base axes group number and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2014703	Failed in GetSearchPosition command.(Control Group2) Memory to store result is not enough.	Setting error	Reset the alarm, and then try again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
2014704	Failed in GetSearchPosition command.(Control Group2) Specified coordinate system is out of range.	Setting error	1. Reset the alarm. 2. Specify world or user coordinate system and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2014705	Failed in GetSearchPosition command.(Control Group2) Specified detected number is out of range.	Setting error	If using search motion with SearchAction is 0, detected number must be 0. 1. Reset the alarm. 2. Speicify 0 to detected number and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2014706	Failed in GetSearchPosition command.(Control Group2) RIN signal has not been detected.	Setting error	1. Reset the alarm. 2. Verify detected count by executing GetSearchResult command. 3. Execute instruction again if it's more than 0.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2014707	Failed in GetSearchPosition command.(Control Group2) Failed in getting detected TCP position.	Setting error	Reset the alarm, and then try again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2014708	Failed in GetSearchPosition command.(Control Group2) Failed in getting detected TCP position in User coordinate system because, user frame had been inactive when search motion was enqueued.	Setting error	Set active user frame number when execute linear move command with search.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2014709	Failed in GetSearchPosition command.(Control Group2) Failed in getting detected TCP position in user coordinate system.	Setting error	Reset the alarm, and then try again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2014710	Failed in GetSearchPosition command.(Control Group2) Robot is moving.	Setting error	1. Reset the alarm. 2. Stop robot and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
2014800	Failed in MultiMoveOn command. (Control group 2)	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2014802	Failed in MultiMoveOn command. (Control group 2) Specified control group is not supported.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2014803	Failed in MultiMoveOn command. (Control group 2) The system state is illegal.	Setting error	1. Reset the alarm 2. Confirm the system state and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2014804	Failed in MultiMoveOn command. (Control group 2) Multiple control group is not supported.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2014805	Failed in MultiMoveOn command. (Control group 2) The VMAX is not supported for multi move motion.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2014806	Failed in MultiMoveOn command. (Control group 2) The speed is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2014807	Failed in MultiMoveOn command. (Control group 2) The acceleration is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2014808	Failed in MultiMoveOn command. (Control group 2) The deceleration is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2014900	Failed in MultiMoveOff command. (Control group 2)	Setting error	Reset the alarm and execute again.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2014902	Failed in MultiMoveOff command. (Control group 2) Specified control group is not supported.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2014903	Failed in MultiMoveOff command. (Control group 2) Failed to start motion.	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2015000	Failed in SetMultiMoveMinimumBuffer command. (Control group 2)	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2015002	Failed in SetMultiMoveMinimumBuffer command. (Control group 2) Specified control group is not supported.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2015003	Failed in SetMultiMoveMinimumBuffer command. (Control group 2) The minimum buffer is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2015004	Failed in SetMultiMoveMinimumBuffer command. (Control group 2) The robot is moving.	Setting error	1. Reset the alarm. 2. Stop the robot and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2020200	Failed in GetProperties command. (Control group3)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
2020201	Failed in GetProperties command. (Control group3) The number of step is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2020300	Failed in SetToolProperties command. (Control group3)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2020301	Failed in SetToolProperties command. (Control group3) Invalid data of tool has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2020303	Failed in SetToolProperties command. (Control group3) Incorrect number of tool has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2020304	Failed in SetToolProperties command. (Control group3) Failed to write tool file.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2020400	Failed in SetUserFrame command. (Control group3)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2020401	Failed in SetUserFrame command. (Control group3) Invalid data of user coordinate has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2020403	Failed in SetUserFrame command. (Control group3) Incorrect number of user coordinate has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
2020404	Failed in SetUserFrame command. (Control group3) Failed to write user coordinate file.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2020405	Failed in SetUserFrame command. (Control group3) Failed to make user coordinate.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2020406	Failed in SetUserFrame command. (Control group3) Failed to convert user coordinate.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2020501	Failed in SetFrameShift command. (Control group3) Undefined coordinate system has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2020502	Failed in SetFrameShift command. (Control group3) Failed to set frame shift.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2020600	Failed in SetCubicIZByCenterPoint command. (Control group3) Undefined IZ action has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2020601	Failed in SetCubicIZByCenterPoint command. (Control group3) Undefined coordinate system has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
2020602	Failed in SetCubicIZByCenterPoint command. (Control group3) Incorrect number of user coordinate has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2020603	Failed in SetCubicIZByCenterPoint command. (Control group3)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2020605	Failed in SetCubicIZByCenterPoint command. (Control group3) Incorrect ID number has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2020606	Failed in SetCubicIZByCenterPoint command. (Control group3) Failed to write cube file.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2020700	Failed in SetCubicIZByTwoCorners command. (Control group3) Undefined IZ action has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2020701	Failed in SetCubicIZByTwoCorners command. (Control group3) Undefined coordinate system has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2020702	Failed in SetCubicIZByTwoCorners command. (Control group3) Incorrect number of user coordinate has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
2020703	Failed in SetCubicIZByTwoCorners command. (Control group3)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2020705	Failed in SetCubicIZByTwoCorners command. (Control group3) Incorrect ID number has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2020706	Failed in SetCubicIZByTwoCorners command. (Control group3) Failed to write cube file.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2020800	Failed in CoordinateTransform command. (Control group3)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2020802	Failed in CoordinateTransform command. (Control group3) Undefined transform type has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2020803	Failed in CoordinateTransform command. (Control group3) Failed to convert Axis coordinates to TCP coordinates.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2020804	Failed in CoordinateTransform command. (Control group3) Failed to convert Axis coordinates to TCP coordinates.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2020805	Failed in CoordinateTransform command. (Control group3) Failed to convert TCP coordinates to Axis coordinates. Incorrect number of tool has been set.	Setting error	Input correct data.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2020806	Failed in CoordinateTransform command. (Control group3) Failed to convert TCP coordinates to Axis coordinates.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2020807	Failed in CoordinateTransform command. (Control group3) Failed to convert TCP in World frame to User frame. Incorrect number of user coordinate has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2020808	Failed in CoordinateTransform command. (Control group3) Failed to convert TCP in World frame to User frame. Failed to convert Input coordinates.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2020809	Failed in CoordinateTransform command. (Control group3) Failed to convert TCP in World frame to User frame. Failed to convert User coordinates.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2020810	Failed in CoordinateTransform command. (Control group3) Failed to convert TCP in World frame to User frame. Failed to create inverse matrix of user coordinates.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2020811	Failed in CoordinateTransform command. (Control group3) Failed to convert TCP in World frame to User frame. Failed in multiplication of coordinates.	Setting error	Input correct data.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2020812	Failed in CoordinateTransform command. (Control group3) Failed to convert TCP in World frame to User frame. Failed to convert Output coordinates.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2020813	Failed in CoordinateTransform command. (Control group3) Failed to convert TCP in User frame to World frame. Incorrect number of user coordinate has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2020814	Failed in CoordinateTransform command. (Control group3) Failed to convert TCP in User frame to World frame. Failed to convert Input coordinates.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2020815	Failed in CoordinateTransform command. (Control group3) Failed to convert TCP in User frame to World frame. Incorrect number of user coordinate has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2020816	Failed in CoordinateTransform command. (Control group3) Failed to convert TCP in User frame to World frame. Failed in multiplication of coordinates.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2020817	Failed in CoordinateTransform command. (Control group3) Failed to convert TCP in User frame to World frame. Failed to convert Output coordinates.	Setting error	Input correct data.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2020900	Failed in ConveyorSyncStart command. (Control group3)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2020902	Failed in ConveyorSyncStart command. (Control group3) Incorrect number of conveyor has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2020903	Failed in ConveyorSyncStart command. (Control group3)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2021000	Failed in ConveyorSyncStop command. (Control group3)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2021002	Failed in ConveyorSyncStop command. (Control group3)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2021100	Failed in PositionVariableGet command. (Control group3)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2021101	Failed in PositionVariableGet command. (Control group3) The size of command buffer is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2021102	Failed in PositionVariableGet command. (Control group3) Failed to read position variable file.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
2021103	Failed in PositionVariableGet command. (Control group3) Failed to convert Pulse coordinates to Axis coordinates.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2021104	Failed in PositionVariableGet command. (Control group3) Failed to convert Axis coordinates to TCP coordinates.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2021105	Failed in PositionVariableGet command. (Control group3) Failed to convert TCP coordinates to Axis coordinates.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2021106	Failed in PositionVariableGet command. (Control group3) Failed to convert TCP in User frame to World frame.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2021107	Failed in PositionVariableGet command. (Control group3) Undefined coordinate system has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2021108	Failed in PositionVariableGet command. (Control group3) Incorrect number of user coordinate has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2021200	Failed in PositionVariableSet command. (Control group3)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2021201	Failed in PositionVariableSet command. (Control group3) Undefined position type has been set.	Setting error	Input correct data.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2021202	Failed in PositionVariableSet command. (Control group3) Failed to write position variable file.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2021203	Failed in PositionVariableSet command. (Control group3) Failed to convert Axis coordinates to Pulse coordinates.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2021300	Failed in SetBasePose command. (Control group3)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2021302	Failed in SetBasePose command. (Control group3) Failed to write file.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2021400	Failed in SetHomeOffsets command. (Control group3)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2021402	Failed in SetHomeOffsets command. (Control group3) Failed to get current position of pulse type.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2021403	Failed in SetHomeOffsets command. (Control group3) Failed to write file.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2021404	Failed in SetHomeOffsets command. (Control group3) Undefined offset type has been set.	Setting error	Input correct data.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2021500	Failed in GetHomeOffsets command. (Control group3)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2021502	Failed in GetHomeOffsets command. (Control group3) Failed to get current position of pulse type.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2021503	Failed in GetHomeOffsets command. (Control group3) Failed to read file.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2021504	Failed in GetHomeOffsets command. (Control group3) Undefined offset type has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2021600	Failed in VarsGet command. (Control group3)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2021601	Failed in VarsGet command. (Control group3) Undefined variable type has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2021602	Failed in VarsGet command. (Control group3) Incorrect number of variable has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2021603	Failed in VarsGet command. (Control group3) Incorrect number of getting has been set.	Setting error	Input correct data.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2021700	Failed in VarsSet command. (Control group3)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2021701	Failed in VarsSet command. (Control group3) Undefined variable type has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2021702	Failed in VarsSet command. (Control group3) Incorrect number of variable has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2021703	Failed in VarsSet command. (Control group3) Incorrect number of setting has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2021900	Failed in SetProperties command. (Control group3)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2021901	Failed in SetProperties command. (Control group3) The number of step is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2021903	Failed in SetProperties command. (Control group3) The axis index is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2022100	Failed in ToolCalib command. (Control group3)	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
2022102	Failed in ToolCalib command. (Control group3) Incorrect number of tool has been set.	Setting error	1. Reset the alarm. 2. Specify correct tool number and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2022103	Failed in ToolCalib command. (Control group3) Incorrect number of calibration method has been set.	Setting error	1. Reset the alarm. 2. Specify correct calibration method and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2022104	Failed in ToolCalib command. (Control group3) Robot moving.	Setting error	1. Reset the alarm. 2. Stop robot and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2022105	Failed in ToolCalib command. (Control group3) The teaching points include the same points.	Setting error	1. Reset the alarm. 2. Set the teaching point to a different point and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2022106	Failed in ToolCalib command. (Control group3) An alarm or error is occurring.	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2022107	Failed in ToolCalib command. (Control group3) Editing is prohibited.	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2022108	Failed in ToolCalib command. (Control group3) Specified group is not supported .	Setting error	1. Reset the alarm. 2. Specify robot control group and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2022109	Failed in ToolCalib command. (Control group3) The tool calibration function is running.	Setting error	1. Reset the alarm. 2. Stop tool calibration and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
2023000	Failed in ReleaseBrake command. (Control group3)	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2023001	Failed in ReleaseBrake command. (Control group3) Failed to stop manual brake release.	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2023003	Failed in ReleaseBrake command. (Control group3) Incorrect axes have been set.	Setting error	1. Reset the alarm. 2. Specify correct axes information and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2023004	Failed in ReleaseBrake command. (Control group3) ReleaseBrake command was executed when the servo power was ON.	Setting error	1. Reset the alarm. 2. Turn off the servo power and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2023005	Failed in ReleaseBrake command. (Control group3) ReleaseBrake command was executed when in emergency stop condition.	Setting error	1. Reset the alarm. 2. Releasing the emergency stop and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2023006	Failed in ReleaseBrake command. (Control group3) ReleaseBrake command was executed when the BRK_EN signal was in the release prohibition condition.	Setting error	1. Reset the alarm. 2. Set the BRK_EN signal to release permission condition and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2023007	Failed in ReleaseBrake command. (Control group3) Specified axes are lacked.	Setting error	1. Reset the alarm. 2. Check the brake group information. 3. Specify correct axes and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2023008	Failed in ReleaseBrake command. (Control group3) Manual release brake function is invalid.	Setting error	1. Reset the alarm. 2. Enable manual release brake function and execute again.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2023100	Failed in servofloat ON (Control Group No.3).	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2023101	Failed in servofloat ON (Control Group No.3). Specified group number is out of range.	Setting error	1. Reset the alarm. 2. Specify correct control group number and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2023102	Failed in servofloat ON (Control Group No.3). Specified servofloat type is invalid.	Setting error	1. Reset the alarm. 2. Specify correct servofloat type and execute again. 3. If the alarm occurs again, confirm that specified servofloat type function is enabled.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2023103	Failed in servofloat ON (Control Group No.3). Specified servofloat condition file number is out of range.	Setting error	1. Reset the alarm. 2. Specify correct servofloat type and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2023104	Failed in servofloat ON (Control Group No.3). Specified group is not supported axis servofloat.	Setting error	1. Reset the alarm. 2. Base axes control group is not supported. Specify robot or station axes control group and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2023105	Failed in servofloat ON (Control Group No.3). Specified group is not supported linear servofloat.	Setting error	1. Reset the alarm. 2. Base and station axes control group is not supported. Specify Robot axes control group and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2023106	Failed in servofloat ON (Control Group No.3). Specified group is different from specified one in a servofloat condition file.	Setting error	1. Reset the alarm. 2. Confirm the group nubmer specified in a servofloat condition file. 3. Specify that group number and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
2023107	Failed in servofloat ON (Control Group No.3). Failed in referring servofloat condition file.	Setting error	1. Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2023108	Failed in servofloat ON (Control Group No.3). User frame number is not active.	Setting error	1. Reset the alarm. 2. Set active user frame number and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2023109	Failed in servofloat ON (Control Group No.3). Robot moving.	Setting error	1. Reset the alarm. 2. Stop robot and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2023110	Failed in servofloat ON (Control Group No.3). Alarm occurring.	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2023111	Failed in servofloat ON (Control Group No.3). Servo power is down.	Setting error	1. Reset the alarm. 2. Turn on the servo power and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2023200	Failed in servofloat OFF (Control Group No.3).	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2023201	Failed in servofloat OFF (Control Group No.3). Specified control group number is out of range.	Setting error	1. Reset the alarm. 2. Specify correct control group number and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2023202	Failed in servofloat OFF (Control Group No.3). Specified control group is not supported.	Setting error	1. Reset the alarm. 2. Base axes control group is not supported. Specify robot or station axes control group and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
2023203	Failed in servofloat OFF (Control Group No.3). Robot moving.	Setting error	1. Reset the alarm. 2. Stop robot and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2023204	Failed in servofloat OFF (Control Group No.3). Alarm occurring.	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2023205	Failed in servofloat OFF (Control Group No.3). Servo power is down.	Setting error	1. Reset the alarm. 2. Turn on the servo power and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2023300	Failed in writing servofloat condition file (Control Group No.3).	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2023301	Failed in writing servofloat condition file (Control Group No.3). Specified control group number is out of range.	Setting error	1. Reset the alarm. 2. Specify correct control group number and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2023302	Failed in writing servofloat condition file (Control Group No.3). Specified servofloat type is invalid.	Setting error	1. Reset the alarm. 2. Specify correct servofloat type and execute again. 3. If the alarm occurs again, confirm that specified servofloat type function is enabled.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2023303	Failed in writing servofloat condition file (Control Group No.3). Specified servofloat condition file number is out of range.	Setting error	1. Reset the alarm. 2. Specify correct servofloat condition file number and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2023304	Failed in writing servofloat condition file (Control Group No.3). Specified control group is not supported axis servofloat.	Setting error	1. Reset the alarm. 2. Base axes control group is not supported. Specify robot or station axes control group and execute again.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2023305	Failed in writing servofloat condition file (Control Group No.3). Specified control group is not supported linear servofloat.	Setting error	1. Reset the alarm. 2. Base and station axes control group is not supported. Specify Robot axes control group and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2023306	Failed in writing servofloat condition file (Control Group No.3). Specified coordinate frame is invalid.	Setting error	1. Reset the alarm. 2. Specify correct coordinate frame and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2023307	Failed in writing servofloat condition file (Control Group No.3). Specified max/min torque is out of range.	Setting error	1. Reset the alarm. 2. Specify correct max/min torque and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2023308	Failed in writing servofloat condition file (Control Group No.3). Specified max/min force is out of range.	Setting error	1. Reset the alarm. 2. Specify correct max/min force and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2023309	Failed in writing servofloat condition file (Control Group No.3). Robot moving.	Setting error	1. Reset the alarm. 2. Stop robot and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2023310	Failed in writing servofloat condition file (Control Group No.3). Alarm occurring.	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2023311	Failed in writing servofloat condition file (Control Group No.3). Edit inhibited.	Setting error	1. Reset the alarm. 2. Release editlock and execute again.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2023400	Failed in reading servofloat condition file (Control Group No.3).	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2023401	Failed in reading servofloat condition file (Control Group No.3). Specified control group is out of range.	Setting error	1. Reset the alarm. 2. Specify correct control group number and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2023402	Failed in reading servofloat condition file (Control Group No.3). Specified servofloat type is invalid.	Setting error	1. Reset the alarm. 2. Specify correct servofloat type and execute again. 3. If the alarm occurs again, confirm that specified servofloat type function is enabled.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2023403	Failed in reading servofloat condition file (Control Group No.3). Specified servofloat condition file is out of range.	Setting error	1. Reset the alarm. 2. Specify correct servofloat condition file number and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2023404	Failed in reading servofloat condition file (Control Group No.3). Specified control group is different from specified one in a servofloat condition file.	Setting error	1. Reset the alarm. 2. Change control group number and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2023405	Failed in reading servofloat condition file (Control Group No.3). Instruction buffer size is not enough to read.	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2023500	Failed in SetCollisionDetectionStatus command. (Control group 3)	Setting error	Reset the alarm and execute again.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2023502	Failed in SetCollisionDetectionStatus command. (Control group 3) Specified control group is not a robot.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2023503	Failed in SetCollisionDetectionStatus command. (Control group 3) Incorrect status has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2023600	Failed in SetCollisionDetectionLevels command. (Control group 3)	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2023602	Failed in SetCollisionDetectionLevels command. (Control group 3) Specified control group is not a robot.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2023603	Failed in SetCollisionDetectionLevels command. (Control group 3) Incorrect resource type has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2023604	Failed in SetCollisionDetectionLevels command. (Control group 3) Incorrect number of file has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2023605	Failed in SetCollisionDetectionLevels command. (Control group 3) Incorrect value of levels has been set.	Setting error	Input correct data.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2023606	Failed in SetCollisionDetectionLevels command. (Control group 3) Robot is moving.	Setting error	1. Reset the alarm. 2. Stop robot and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2023700	Failed in WriteCollisionDetectionFile command. (Control group 3)	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2023702	Failed in WriteCollisionDetectionFile command. (Control group 3) Specified control group is not a robot.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2023703	Failed in WriteCollisionDetectionFile command. (Control group 3) Incorrect number of file has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2023704	Failed in WriteCollisionDetectionFile command. (Control group 3) Incorrect value of levels has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2023705	Failed in WriteCollisionDetectionFile command. (Control group 3) The function parameter has not been set.	Setting error	Enable Teach Mode Each Axis Setting Function
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2023706	Failed in WriteCollisionDetectionFile command. (Control group 3) Robot is moving.	Setting error	1. Reset the alarm. 2. Stop robot and execute again.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2023800	Failed in GetCollisionDetectionStatus command. (Control group 3)	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2023802	Failed in GetCollisionDetectionStatus command. (Control group 3) Specified control group is not a robot.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2023900	Failed in GetCollisionDetectionTorque command. (Control group 3)	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2023902	Failed in GetCollisionDetectionTorque command. (Control group 3) Specified control group is not a robot.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2024300	Failed in BrakeGroupInfoGet command. (Control group3)	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2024400	Failed in SetSearch command. (Control Group3)	Setting error	1. Confirm option function: "Search function" is enabled. 2. Reset the alarm and then try again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2024401	Failed in SetSearch command. (Control Group3) Specified group number is out of range.	Setting error	1. Reset the alarm. 2. Specify correct group number and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2024402	Failed in SetSearch command. (Control Group3) Specified control group is not supported search function.	Setting error	Search function supports only robot. 1. Reset the alarm. 2. Specify robot and execute again.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2024403	Failed in SetSearch command. (Control Group3) Specified InputSignalBits is invalid.	Setting error	1. Reset the alarm. 2. Specify correct RIN signal and then try again. Incorrect specification is shown below. a. It can not be specified 0. b. If SearchAction is specified 0, it can not be specified multiple RIN signals. c. It can not be specified RIN signal which number is out of range.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2024404	Failed in SetSearch command. (Control Group3) Specified SearchAction is invalid.	Setting error	SearchAction can be specifiled only 0. 1. Reset the alarm. 2. Specify 0 to SearchAction and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2024500	Failed in ResetSearch command. (Control Group3)	Setting error	1. Confirm option function: "Search function" is enabled. 2. Reset the alarm and then try again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2024501	Failed in ResetSearch command. (Control Group3) Specified group number is out of range.	Setting error	1. Reset the alarm. 2. Specify correct group number and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2024502	Failed in ResetSearch command. (Control Group3) Specified control group is not supported search function.	Setting error	Search functon supports only robot. 1. Reset the alarm. 2. Specify robot and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2024600	Failed in GetSearchResult command.(Control Group3)	Setting error	Reset the alarm, and then try again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2024601	Failed in GetSearchResult command.(Control Group3) Specified group number is out of range.	Setting error	1. Reset the alarm. 2. Specify correct group number and execute again.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2024602	Failed in GetSearchResult command.(Control Group3) Specified control group is not supported search function.	Setting error	Station group can not be specified. 1. Reset the alarm. 2. Specify robot or base axes group number and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2024603	Failed in GetSearchResult command.(Control Group3) Memory to store result is not enough.	Setting error	Reset the alarm, and then try again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2024604	Failed in GetSearchResult command.(Control Group3) Robot is moving.	Setting error	1. Reset the alarm. 2. Stop robot and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2024700	Failed in GetSearchPosition command.(Control Group3)	Setting error	Reset the alarm, and then try again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2024701	Failed in GetSearchPosition command.(Control Group3) Specified group number is out of range.	Setting error	1. Reset the alarm. 2. Specify correct group number and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2024702	Failed in GetSearchResult command.(Control Group3) Specified control group is not supported search function.	Setting error	Station group can not be specified. 1. Reset the alarm. 2. Specify robot or base axes group number and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2024703	Failed in GetSearchPosition command.(Control Group3) Memory to store result is not enough.	Setting error	Reset the alarm, and then try again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
2024704	Failed in GetSearchPosition command.(Control Group3) Specified coordinate system is out of range.	Setting error	1. Reset the alarm. 2. Specify world or user coordinate system and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2024705	Failed in GetSearchPosition command.(Control Group3) Specified detected number is out of range.	Setting error	If using search motion with SearchAction is 0, detected number must be 0. 1. Reset the alarm. 2. Speicify 0 to detected number and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2024706	Failed in GetSearchPosition command.(Control Group3) RIN signal has not been detected.	Setting error	1. Reset the alarm. 2. Verify detected count by executing GetSearchResult command. 3. Execute instruction again if it's more than 0.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2024707	Failed in GetSearchPosition command.(Control Group3) Failed in getting detected TCP position.	Setting error	Reset the alarm, and then try again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2024708	Failed in GetSearchPosition command.(Control Group3) Failed in getting detected TCP position in User coordinate system because, user frame had been inactive when search motion was enqueued.	Setting error	Set active user frame number when execute linear move command with search.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2024709	Failed in GetSearchPosition command.(Control Group3) Failed in getting detected TCP position in user coordinate system.	Setting error	Reset the alarm, and then try again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2024710	Failed in GetSearchPosition command.(Control Group3) Robot is moving.	Setting error	1. Reset the alarm. 2. Stop robot and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
2024800	Failed in MultiMoveOn command. (Control group 3)	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2024802	Failed in MultiMoveOn command. (Control group 3) Specified control group is not supported.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2024803	Failed in MultiMoveOn command. (Control group 3) The system state is illegal.	Setting error	1. Reset the alarm 2. Confirm the system state and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2024804	Failed in MultiMoveOn command. (Control group 3) Multiple control group is not supported.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2024805	Failed in MultiMoveOn command. (Control group 3) The VMAX is not supported for multi move motion.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2024806	Failed in MultiMoveOn command. (Control group 3) The speed is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2024807	Failed in MultiMoveOn command. (Control group 3) The acceleration is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2024808	Failed in MultiMoveOn command. (Control group 3) The deceleration is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2024900	Failed in MultiMoveOff command. (Control group 3)	Setting error	Reset the alarm and execute again.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2024902	Failed in MultiMoveOff command. (Control group 3) Specified control group is not supported.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2024903	Failed in MultiMoveOff command. (Control group 3) Failed to start motion.	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2025000	Failed in SetMultiMoveMinimumBuffer command. (Control group 3)	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2025002	Failed in SetMultiMoveMinimumBuffer command. (Control group 3) Specified control group is not supported.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2025003	Failed in SetMultiMoveMinimumBuffer command. (Control group 3) The minimum buffer is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2025004	Failed in SetMultiMoveMinimumBuffer command. (Control group 3) The robot is moving.	Setting error	1. Reset the alarm. 2. Stop the robot and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2030200	Failed in GetProperties command. (Control group4)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
2030201	Failed in GetProperties command. (Control group4) The number of step is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2030300	Failed in SetToolProperties command. (Control group4)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2030301	Failed in SetToolProperties command. (Control group4) Invalid data of tool has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2030303	Failed in SetToolProperties command. (Control group4) Incorrect number of tool has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2030304	Failed in SetToolProperties command. (Control group4) Failed to write tool file.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2030400	Failed in SetUserFrame command. (Control group4)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2030401	Failed in SetUserFrame command. (Control group4) Invalid data of user coordinate has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2030403	Failed in SetUserFrame command. (Control group4) Incorrect number of user coordinate has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
2030404	Failed in SetUserFrame command. (Control group4) Failed to write user coordinate file.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2030405	Failed in SetUserFrame command. (Control group4) Failed to make user coordinate.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2030406	Failed in SetUserFrame command. (Control group4) Failed to convert user coordinate.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2030501	Failed in SetFrameShift command. (Control group4) Undefined coordinate system has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2030502	Failed in SetFrameShift command. (Control group4) Failed to set frame shift.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2030600	Failed in SetCubicIZByCenterPoint command. (Control group4) Undefined IZ action has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2030601	Failed in SetCubicIZByCenterPoint command. (Control group4) Undefined coordinate system has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
2030602	Failed in SetCubicIZByCenterPoint command. (Control group4) Incorrect number of user coordinate has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2030603	Failed in SetCubicIZByCenterPoint command. (Control group4)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2030605	Failed in SetCubicIZByCenterPoint command. (Control group4) Incorrect ID number has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2030606	Failed in SetCubicIZByCenterPoint command. (Control group4) Failed to write cube file.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2030700	Failed in SetCubicIZByTwoCorners command. (Control group4) Undefined IZ action has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2030701	Failed in SetCubicIZByTwoCorners command. (Control group4) Undefined coordinate system has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2030702	Failed in SetCubicIZByTwoCorners command. (Control group4) Incorrect number of user coordinate has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
2030703	Failed in SetCubicIZByTwoCorners command. (Control group4)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2030705	Failed in SetCubicIZByTwoCorners command. (Control group4) Incorrect ID number has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2030706	Failed in SetCubicIZByTwoCorners command. (Control group4) Failed to write cube file.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2030800	Failed in CoordinateTransform command. (Control group4)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2030802	Failed in CoordinateTransform command. (Control group4) Undefined transform type has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2030803	Failed in CoordinateTransform command. (Control group4) Failed to convert Axis coordinates to TCP coordinates.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2030804	Failed in CoordinateTransform command. (Control group4) Failed to convert Axis coordinates to TCP coordinates.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2030805	Failed in CoordinateTransform command. (Control group4) Failed to convert TCP coordinates to Axis coordinates. Incorrect number of tool has been set.	Setting error	Input correct data.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2030806	Failed in CoordinateTransform command. (Control group4) Failed to convert TCP coordinates to Axis coordinates.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2030807	Failed in CoordinateTransform command. (Control group4) Failed to convert TCP in World frame to User frame. Incorrect number of user coordinate has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2030808	Failed in CoordinateTransform command. (Control group4) Failed to convert TCP in World frame to User frame. Failed to convert Input coordinates.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2030809	Failed in CoordinateTransform command. (Control group4) Failed to convert TCP in World frame to User frame. Failed to convert User coordinates.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2030810	Failed in CoordinateTransform command. (Control group4) Failed to convert TCP in World frame to User frame. Failed to create inverse matrix of user coordinates.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2030811	Failed in CoordinateTransform command. (Control group4) Failed to convert TCP in World frame to User frame. Failed in multiplication of coordinates.	Setting error	Input correct data.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2030812	Failed in CoordinateTransform command. (Control group4) Failed to convert TCP in World frame to User frame. Failed to convert Output coordinates.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2030813	Failed in CoordinateTransform command. (Control group4) Failed to convert TCP in User frame to World frame. Incorrect number of user coordinate has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2030814	Failed in CoordinateTransform command. (Control group4) Failed to convert TCP in User frame to World frame. Failed to convert Input coordinates.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2030815	Failed in CoordinateTransform command. (Control group4) Failed to convert TCP in User frame to World frame. Incorrect number of user coordinate has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2030816	Failed in CoordinateTransform command. (Control group4) Failed to convert TCP in User frame to World frame. Failed in multiplication of coordinates.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2030817	Failed in CoordinateTransform command. (Control group4) Failed to convert TCP in User frame to World frame. Failed to convert Output coordinates.	Setting error	Input correct data.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2030900	Failed in ConveyorSyncStart command. (Control group4)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2030902	Failed in ConveyorSyncStart command. (Control group4) Incorrect number of conveyor has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2030903	Failed in ConveyorSyncStart command. (Control group4)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2031000	Failed in ConveyorSyncStop command. (Control group4)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2031002	Failed in ConveyorSyncStop command. (Control group4)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2031100	Failed in PositionVariableGet command. (Control group4)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2031101	Failed in PositionVariableGet command. (Control group4) The size of command buffer is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2031102	Failed in PositionVariableGet command. (Control group4) Failed to read position variable file.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
2031103	Failed in PositionVariableGet command. (Control group4) Failed to convert Pulse coordinates to Axis coordinates.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2031104	Failed in PositionVariableGet command. (Control group4) Failed to convert Axis coordinates to TCP coordinates.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2031105	Failed in PositionVariableGet command. (Control group4) Failed to convert TCP coordinates to Axis coordinates.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2031106	Failed in PositionVariableGet command. (Control group4) Failed to convert TCP in User frame to World frame.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2031107	Failed in PositionVariableGet command. (Control group4) Undefined coordinate system has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2031108	Failed in PositionVariableGet command. (Control group4) Incorrect number of user coordinate has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2031200	Failed in PositionVariableSet command. (Control group4)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2031201	Failed in PositionVariableSet command. (Control group4) Undefined position type has been set.	Setting error	Input correct data.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2031202	Failed in PositionVariableSet command. (Control group4) Failed to write position variable file.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2031203	Failed in PositionVariableSet command. (Control group4) Failed to convert Axis coordinates to Pulse coordinates.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2031300	Failed in SetBasePose command. (Control group4)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2031302	Failed in SetBasePose command. (Control group4) Failed to write file.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2031400	Failed in SetHomeOffsets command. (Control group4)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2031402	Failed in SetHomeOffsets command. (Control group4) Failed to get current position of pulse type.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2031403	Failed in SetHomeOffsets command. (Control group4) Failed to write file.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2031404	Failed in SetHomeOffsets command. (Control group4) Undefined offset type has been set.	Setting error	Input correct data.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2031500	Failed in GetHomeOffsets command. (Control group4)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2031502	Failed in GetHomeOffsets command. (Control group4) Failed to get current position of pulse type.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2031503	Failed in GetHomeOffsets command. (Control group4) Failed to read file.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2031504	Failed in GetHomeOffsets command. (Control group4) Undefined offset type has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2031600	Failed in VarsGet command. (Control group4)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2031601	Failed in VarsGet command. (Control group4) Undefined variable type has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2031602	Failed in VarsGet command. (Control group4) Incorrect number of variable has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2031603	Failed in VarsGet command. (Control group4) Incorrect number of getting has been set.	Setting error	Input correct data.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2031700	Failed in VarsSet command. (Control group4)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2031701	Failed in VarsSet command. (Control group4) Undefined variable type has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2031702	Failed in VarsSet command. (Control group4) Incorrect number of variable has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2031703	Failed in VarsSet command. (Control group4) Incorrect number of setting has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2031900	Failed in SetProperties command. (Control group4)	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2031901	Failed in SetProperties command. (Control group4) The number of step is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2031903	Failed in SetProperties command. (Control group4) The axis index is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2032100	Failed in ToolCalib command. (Control group4)	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
2032102	Failed in ToolCalib command. (Control group4) Incorrect number of tool has been set.	Setting error	1. Reset the alarm. 2. Specify correct tool number and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2032103	Failed in ToolCalib command. (Control group4) Incorrect number of calibration method has been set.	Setting error	1. Reset the alarm. 2. Specify correct calibration method and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2032104	Failed in ToolCalib command. (Control group4) Robot moving.	Setting error	1. Reset the alarm. 2. Stop robot and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2032105	Failed in ToolCalib command. (Control group4) The teaching points include the same points.	Setting error	1. Reset the alarm. 2. Set the teaching point to a different point and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2032106	Failed in ToolCalib command. (Control group4) An alarm or error is occurring.	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2032107	Failed in ToolCalib command. (Control group4) Editing is prohibited.	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2032108	Failed in ToolCalib command. (Control group4) Specified group is not supported.	Setting error	1. Reset the alarm. 2. Specify robot control group and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2032109	Failed in ToolCalib command. (Control group4) The tool calibration function is running.	Setting error	1. Reset the alarm. 2. Stop tool calibration and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
2033000	Failed in ReleaseBrake command. (Control group4)	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2033001	Failed in ReleaseBrake command. (Control group4) Failed to stop manual brake release.	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2033003	Failed in ReleaseBrake command. (Control group4) Incorrect axes have been set.	Setting error	1. Reset the alarm. 2. Specify correct axes information and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2033004	Failed in ReleaseBrake command. (Control group4) ReleaseBrake command was executed when the servo power was ON.	Setting error	1. Reset the alarm. 2. Turn off the servo power and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2033005	Failed in ReleaseBrake command. (Control group4) ReleaseBrake command was executed when in emergency stop condition.	Setting error	1. Reset the alarm. 2. Releasing the emergency stop and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2033006	Failed in ReleaseBrake command. (Control group4) ReleaseBrake command was executed when the BRK_EN signal was in the release prohibition condition.	Setting error	1. Reset the alarm. 2. Set the BRK_EN signal to release permission condition and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2033007	Failed in ReleaseBrake command. (Control group4) Specified axes are lacked.	Setting error	1. Reset the alarm. 2. Check the brake group information. 3. Specify correct axes and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2033008	Failed in ReleaseBrake command. (Control group4) Manual release brake function is invalid.	Setting error	1. Reset the alarm. 2. Enable manual release brake function and execute again.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2033100	Failed in servofloat ON (Control Group No.4).	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2033101	Failed in servofloat ON (Control Group No.4). Specified group number is out of range.	Setting error	1. Reset the alarm. 2. Specify correct control group number and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2033102	Failed in servofloat ON (Control Group No.4). Specified servofloat type is invalid.	Setting error	1. Reset the alarm. 2. Specify correct servofloat type and execute again. 3. If the alarm occurs again, confirm that specified servofloat type function is enabled.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2033103	Failed in servofloat ON (Control Group No.4). Specified servofloat condition file number is out of range.	Setting error	1. Reset the alarm. 2. Specify correct servofloat type and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2033104	Failed in servofloat ON (Control Group No.4). Specified group is not supported axis servofloat.	Setting error	1. Reset the alarm. 2. Base axes control group is not supported. Specify robot or station axes control group and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2033105	Failed in servofloat ON (Control Group No.4). Specified group is not supported linear servofloat.	Setting error	1. Reset the alarm. 2. Base and station axes control group is not supported. Specify Robot axes control group and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2033106	Failed in servofloat ON (Control Group No.4). Specified group is different from specified one in a servofloat condition file.	Setting error	1. Reset the alarm. 2. Confirm the group nubmer specified in a servofloat condition file. 3. Specify that group number and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
2033107	Failed in servofloat ON (Control Group No.4). Failed in referring servofloat condition file.	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2033108	Failed in servofloat ON (Control Group No.4). User frame number is not active.	Setting error	1. Reset the alarm. 2. Set active user frame number and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2033109	Failed in servofloat ON (Control Group No.4). Robot moving.	Setting error	1. Reset the alarm. 2. Stop robot and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2033110	Failed in servofloat ON (Control Group No.4). Alarm occurring.	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2033111	Failed in servofloat ON (Control Group No.4). Servo power is down.	Setting error	1. Reset the alarm. 2. Turn on the servo power and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2033200	Failed in servofloat OFF (Control Group No.4).	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2033201	Failed in servofloat OFF (Control Group No.4). Specified control group number is out of range.	Setting error	1. Reset the alarm. 2. Specify correct control group number and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2033202	Failed in servofloat OFF (Control Group No.4). Specified control group is not supported.	Setting error	1. Reset the alarm. 2. Base axes control group is not supported. Specify robot or station axes control group and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
2033203	Failed in servofloat OFF (Control Group No.4). Robot moving.	Setting error	1. Reset the alarm. 2. Stop robot and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2033204	Failed in servofloat OFF (Control Group No.4). Alarm occurring.	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2033205	Failed in servofloat OFF (Control Group No.4). Servo power is down.	Setting error	1. Reset the alarm. 2. Turn on the servo power and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2033300	Failed in writing servofloat condition file (Control Group No.4).	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2033301	Failed in writing servofloat condition file (Control Group No.4). Specified control group number is out of range.	Setting error	1. Reset the alarm. 2. Specify correct control group number and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2033302	Failed in writing servofloat condition file (Control Group No.4). Specified servofloat type is invalid.	Setting error	1. Reset the alarm. 2. Specify correct servofloat type and execute again. 3. If the alarm occurs again, confirm that specified servofloat type function is enabled.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2033303	Failed in writing servofloat condition file (Control Group No.4). Specified servofloat condition file number is out of range.	Setting error	1. Reset the alarm. 2. Specify correct servofloat condition file number and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2033304	Failed in writing servofloat condition file (Control Group No.4). Specified control group is not supported axis servofloat.	Setting error	1. Reset the alarm. 2. Base axes control group is not supported. Specify robot or station axes control group and execute again.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2033305	Failed in writing servofloat condition file (Control Group No.4). Specified control group is not supported linear servofloat.	Setting error	1. Reset the alarm. 2. Base and station axes control group is not supported. Specify Robot axes control group and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2033306	Failed in writing servofloat condition file (Control Group No.4). Specified coordinate frame is invalid.	Setting error	1. Reset the alarm. 2. Specify correct coordinate frame and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2033307	Failed in writing servofloat condition file (Control Group No.4). Specified max/min torque is out of range.	Setting error	1. Reset the alarm. 2. Specify correct max/min torque and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2033308	Failed in writing servofloat condition file (Control Group No.4). Specified max/min force is out of range.	Setting error	1. Reset the alarm. 2. Specify correct max/min force and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2033309	Failed in writing servofloat condition file (Control Group No.4). Robot moving.	Setting error	1. Reset the alarm. 2. Stop robot and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2033310	Failed in writing servofloat condition file (Control Group No.4). Alarm occurring.	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2033311	Failed in writing servofloat condition file (Control Group No.4). Edit inhibited.	Setting error	1. Reset the alarm. 2. Release editlock and execute again.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2033400	Failed in reading servofloat condition file (Control Group No.4).	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2033401	Failed in reading servofloat condition file (Control Group No.4). Specified control group is out of range.	Setting error	1. Reset the alarm. 2. Specify correct control group number and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2033402	Failed in reading servofloat condition file (Control Group No.4). Specified servofloat type is invalid.	Setting error	1. Reset the alarm. 2. Specify correct servofloat type and execute again. 3. If the alarm occurs again, confirm that specified servofloat type function is enabled.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2033403	Failed in reading servofloat condition file (Control Group No.4). Specified servofloat condition file is out of range.	Setting error	1. Reset the alarm. 2. Specify correct servofloat condition file number and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2033404	Failed in reading servofloat condition file (Control Group No.4). Specified control group is different from specified one in a servofloat condition file.	Setting error	1. Reset the alarm. 2. Change control group number and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2033405	Failed in reading servofloat condition file (Control Group No.4). Instruction buffer size is not enough to read.	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2033500	Failed in SetCollisionDetectionStatus command. (Control group 4)	Setting error	Reset the alarm and execute again.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2033502	Failed in SetCollisionDetectionStatus command. (Control group 4) Specified control group is not a robot.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2033503	Failed in SetCollisionDetectionStatus command. (Control group 4) Incorrect status has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2033600	Failed in SetCollisionDetectionLevels command. (Control group 4)	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2033602	Failed in SetCollisionDetectionLevels command. (Control group 4) Specified control group is not a robot.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2033603	Failed in SetCollisionDetectionLevels command. (Control group 4) Incorrect resource type has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2033604	Failed in SetCollisionDetectionLevels command. (Control group 4) Incorrect number of file has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2033605	Failed in SetCollisionDetectionLevels command. (Control group 4) Incorrect value of levels has been set.	Setting error	Input correct data.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2033606	Failed in SetCollisionDetectionLevels command. (Control group 4) Robot is moving.	Setting error	1. Reset the alarm. 2. Stop robot and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2033700	Failed in WriteCollisionDetectionFile command. (Control group 4)	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2033702	Failed in WriteCollisionDetectionFile command. (Control group 4) Specified control group is not a robot.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2033703	Failed in WriteCollisionDetectionFile command. (Control group 4) Incorrect number of file has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2033704	Failed in WriteCollisionDetectionFile command. (Control group 4) Incorrect value of levels has been set.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2033705	Failed in WriteCollisionDetectionFile command. (Control group 4) The function parameter has not been set.	Setting error	Enable Teach Mode Each Axis Setting Function
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2033706	Failed in WriteCollisionDetectionFile command. (Control group 4) Robot is moving.	Setting error	1. Reset the alarm. 2. Stop robot and execute again.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2033800	Failed in GetCollisionDetectionStatus command. (Control group 4)	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2033802	Failed in GetCollisionDetectionStatus command. (Control group 4) Specified control group is not a robot.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2033900	Failed in GetCollisionDetectionTorque command. (Control group 4)	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2033902	Failed in GetCollisionDetectionTorque command. (Control group 4) Specified control group is not a robot.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2034300	Failed in BrakeGroupInfoGet command. (Control group4)	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2034400	Failed in SetSearch command. (Control Group4)	Setting error	1. Confirm option function: "Search function" is enabled. 2. Reset the alarm and then try again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2034401	Failed in SetSearch command. (Control Group4) Specified group number is out of range.	Setting error	1. Reset the alarm. 2. Specify correct group number and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2034402	Failed in SetSearch command. (Control Group4) Specified control group is not supported search function.	Setting error	Search function supports only robot. 1. Reset the alarm. 2. Specify robot and execute again.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2034403	Failed in SetSearch command. (Control Group4) Specified InputSignalBits is invalid.	Setting error	1. Reset the alarm. 2. Specify correct RIN signal and then try again. Incorrect specification is shown below. a. It can not be specified 0. b. If SearchAction is specified 0, it can not be specified multiple RIN signals. c. It can not be specified RIN signal which number is out of range.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2034404	Failed in SetSearch command. (Control Group4) Specified SearchAction is invalid.	Setting error	SearchAction can be specifiled only 0. 1. Reset the alarm. 2. Specify 0 to SearchAction and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2034500	Failed in ResetSearch command. (Control Group4)	Setting error	1. Confirm option function: "Search function" is enabled. 2. Reset the alarm and then try again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2034501	Failed in ResetSearch command. (Control Group4) Specified group number is out of range.	Setting error	1. Reset the alarm. 2. Specify correct group number and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2034502	Failed in ResetSearch command. (Control Group4) Specified control group is not supported search function.	Setting error	Search functon supports only robot. 1. Reset the alarm. 2. Specify robot and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2034600	Failed in GetSearchResult command.(Control Group4)	Setting error	Reset the alarm, and then try again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2034601	Failed in GetSearchResult command.(Control Group4) Specified group number is out of range.	Setting error	1. Reset the alarm. 2. Specify correct group number and execute again.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2034602	Failed in GetSearchResult command.(Control Group4) Specified control group is not supported search function.	Setting error	Station group can not be specified. 1. Reset the alarm. 2. Specify robot or base axes group number and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2034603	Failed in GetSearchResult command.(Control Group4) Memory to store result is not enough.	Setting error	Reset the alarm, and then try again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2034604	Failed in GetSearchResult command.(Control Group4) Robot is moving.	Setting error	1. Reset the alarm. 2. Stop robot and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2034700	Failed in GetSearchPosition command.(Control Group4)	Setting error	Reset the alarm, and then try again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2034701	Failed in GetSearchPosition command.(Control Group4) Specified group number is out of range.	Setting error	1. Reset the alarm. 2. Specify correct group number and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2034702	Failed in GetSearchResult command.(Control Group4) Specified control group is not supported search function.	Setting error	Station group can not be specified. 1. Reset the alarm. 2. Specify robot or base axes group number and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2034703	Failed in GetSearchPosition command.(Control Group4) Memory to store result is not enough.	Setting error	Reset the alarm, and then try again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
2034704	Failed in GetSearchPosition command.(Control Group4) Specified coordinate system is out of range.	Setting error	1. Reset the alarm. 2. Specify world or user coordinate system and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2034705	Failed in GetSearchPosition command.(Control Group4) Specified detected number is out of range.	Setting error	If using search motion with SearchAction is 0, detected number must be 0. 1. Reset the alarm. 2. Speicify 0 to detected number and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2034706	Failed in GetSearchPosition command.(Control Group4) RIN signal has not been detected.	Setting error	1. Reset the alarm. 2. Verify detected count by executing GetSearchResult command. 3. Execute instruction again if it's more than 0.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2034707	Failed in GetSearchPosition command.(Control Group4) Failed in getting detected TCP position.	Setting error	Reset the alarm, and then try again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2034708	Failed in GetSearchPosition command.(Control Group4) Failed in getting detected TCP position in User coordinate system because, user frame had been inactive when search motion was enqueued.	Setting error	Set active user frame number when execute linear move command with search.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2034709	Failed in GetSearchPosition command.(Control Group4) Failed in getting detected TCP position in user coordinate system.	Setting error	Reset the alarm, and then try again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2034710	Failed in GetSearchPosition command.(Control Group4) Robot is moving.	Setting error	1. Reset the alarm. 2. Stop robot and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
2034800	Failed in MultiMoveOn command. (Control group 4)	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2034802	Failed in MultiMoveOn command. (Control group 4) Specified control group is not supported.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2034803	Failed in MultiMoveOn command. (Control group 4) The system state is illegal.	Setting error	1. Reset the alarm 2. Confirm the system state and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2034804	Failed in MultiMoveOn command. (Control group 4) Multiple control group is not supported.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2034805	Failed in MultiMoveOn command. (Control group 4) The VMAX is not supported for multi move motion.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2034806	Failed in MultiMoveOn command. (Control group 4) The speed is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2034807	Failed in MultiMoveOn command. (Control group 4) The acceleration is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2034808	Failed in MultiMoveOn command. (Control group 4) The deceleration is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2034900	Failed in MultiMoveOff command. (Control group 4)	Setting error	Reset the alarm and execute again.

4846: MotoLogix (OPERATION ERROR) (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2034902	Failed in MultiMoveOff command. (Control group 4) Specified control group is not supported.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2034903	Failed in MultiMoveOff command. (Control group 4) Failed to start motion.	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2035000	Failed in SetMultiMoveMinimumBuffer command. (Control group 4)	Setting error	Reset the alarm and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2035002	Failed in SetMultiMoveMinimumBuffer command. (Control group 4) Specified control group is not supported.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2035003	Failed in SetMultiMoveMinimumBuffer command. (Control group 4) The minimum buffer is out of range.	Setting error	Input correct data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2035004	Failed in SetMultiMoveMinimumBuffer command. (Control group 4) The robot is moving.	Setting error	1. Reset the alarm. 2. Stop the robot and execute again.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4847: MotoLogix (CONNECTION ERROR)

Connection error of MotoLogix occurred.

Sub Code	Meaning	Cause	Remedy
1	Connection failed.	Connection retry timeout	1. Check connector of the cable is inserted correctly. 2. Check the checksum value. If the checksum value is not correct, send data will be ignored. 3. Change limit time parameter(S3C[1381]). The unit is [sec]. If set to 0, limit time will be infinite.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	Disconnected.	Communication timeout	1. Check connector of the cable is inserted correctly. 2. Check the checksum value. If the checksum value is not correct, send data will be ignored 3. Change watchdog timer parameter(S3C[1380]). The unit is [msec]. If set to 0, watchdog timer will be default time.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	Checksum value is incorrect.	Communication failure	Check the checksum value in send data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4848: OVERCURRENT(SERVO)

This alarm occurs if a current exceeding the allowable maximum current is applied for amplifier.
As a cause of the alarm, a ground fault in the U, V, or W wire, or a short circuit between these wires is suspected.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred	Connection failure	1. Reset the alarm. 2. If the alarm occurs again, check the connection and inserting state of the Motor power wires.
		Connection failure	1. Reset the alarm. 2. If the alarm occurs again, replace the following cables. • Manipulator cable • Supply cable
		Module failure(amplifier)	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure(motor)	1. Reset the alarm. 2. If the alarm occurs again, replace the motor.
		ACP31 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Setting error	Check the parameter setting value.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4850: REGENERATIVE TROUBLE(SERVO2)

Disconnection of the regenerative resistor cable and failure of the regenerative transistor are suspected.

Sub Code	Meaning	Cause	Remedy
		Connection failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Overloading	Check that the load does not exceed the allowable limit.
		Module failure (SERVOPACK)	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4852: OVERVOLTAGE(SERVO2)

The SERVOPACK main circuit DC voltage is incorrect.

Sub Code	Meaning	Cause	Remedy
		Voltage failure	Check the SERVOPACK Primary supply voltage.
		Setting error	Check the settings for manipulator motion condition (influence by external force, load condition).
		Module failure (SERVOPACK)	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4856: OVERLOAD(CONTINUE)(SERVO2)

The motor torque continuously exceeded the rated torque for a certain period.

Sub Code	Meaning	Cause	Remedy
		Setting error	Check the settings for manipulator motion condition (influence by external force, load condition).
		Connection failure	1. Reset the alarm. 2. If the alarm occurs again, check the connection and inserting state of the following cables and connectors. • The motor power line • The encoder line
		Module failure (SERVOPACK)	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4866: OPEN PHASE(SERVO2)

Either of voltage to the SERVOPACK of the three phase input power supply has decreased.

Sub Code	Meaning	Cause	Remedy
		Voltage failure	Modify the primary breaker voltage to the specified voltage 200V(+10% to 15%).
		PS01 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure(converter)	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure (SERVOPACK)	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4878: SPEED CONTROL EXECUTE ERROR(SERVO)

Speed control could not be executed in the specified axis.

Sub Code	Meaning	Cause	Remedy
		Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4880: EXCESSIVE FORCE DETECTION

Force control system detected the excessive external force.

Sub Code	Meaning	Cause	Remedy
		Setting error	1. Reset the alarm, and then check the direction of the external force looking at subcode(the direction is based on the sensor coordinate system),and operate robot to move in the direction releasing external force. 2. If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your YASKAWA representative about occurrence status (operating procedure)

◆ 4881: EXCESSIVE VELOCITY CORRECTION

Force control system detected the excessive axis angular velocity correction.

Sub Code	Meaning	Cause	Remedy
		Setting error	1. Reset the alarm, and then make the reference force smaller or operate robot to move in the direction releasing external force. 2. If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your YASKAWA representative about occurrence status (operating procedure)

◆ 4882: SINGULAR POINT ERROR

Force control system detected the singular posture.

Sub Code	Meaning	Cause	Remedy
		Setting error	1. Reset the alarm, and then modify the toughed robot posture avoiding singularity points. 2. If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your YASKAWA representative about occurrence status (operating procedure)

◆ 4883: SENSOR OVER RANGE

Sensor output exceeded the range.

Sub Code	Meaning	Cause	Remedy
	Sub Code: channel	Setting error	1. Reset the alarm and decrease the motion speed in JOB. 2. If the alarm occurs again, save the CMOS.BIN in the maintenance mode and contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4884: FORCE CONTROL NOT PERMITTED

YASKAWA force control function is unavailable.

Sub Code	Meaning	Cause	Remedy
		Setting error	1. Reset the alarm, and purchase the YASKAWA force control function. 2. If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your YASKAWA representative about occurrence status (operating procedure)

◆ 4885: SENSOR OUTPUT ERROR

Sensor output remains unchanged.

Sub Code	Meaning	Cause	Remedy
	Sub Code: channel	Sensor error	1. Reset the alarm. 2. If the alarm occurs again, save the CMOS.BIN in the maintenance mode and contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4886: FORCE CONTROL FILE ERROR

The robot of instruction does not match the robot of force control file.

Sub Code	Meaning	Cause	Remedy
1	The specified force control file is for other manipulator.	Setting error	Reset the alarm and check the force control file. The robot of instruction does not match the robot of force control file. Change the file number or the settings of force control file.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4887: FORCE CONTROL CONDITION ERROR

Setting error in executing force control occur.

Sub Code	Meaning	Cause	Remedy
	Sub Code: wrong condition D0:tool number error D1:coordinate type error D2:singularity area error D3:inertia coefficient error D4:viscosity coefficient error D5:stifness coefficient error D6:position limit error D7:velocity limit error D8:angular velocity limit error D9:angular velocity alarm error D10:contact stabilizing parameter error	Setting error	1. Reset the alarm, and then modify the parameter in the referred motoplus application program. 2. If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your YASKAWA representative about occurrence status (operating procedure)

◆ 4897: FORCE CONTROL INTERNAL ERROR

An error has occurred in MotoFit function.

Sub Code	Meaning	Cause	Remedy
32	Force control parameter error	Setting error	Reset the alarm and check the tags of the instruction.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4897: FORCE CONTROL INTERNAL ERROR (continued)

Sub Code	Meaning	Cause	Remedy
64	Excessive force detected	Setting error	1. Reset the alarm and check the force sensor. Too large force has detected in force sensor. 2. If the alarm occurs again, save the CMOS.BIN in the maintenance mode and contact your YASKAWA representative about occurrence status (operating procedure).
128	Overspeed	Setting error	Reset the alarm and decrease the motion speed in JOB.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
256	Singular point error	Setting error	Reset the alarm and check the posture of the robot. Change the JOB to avoid the singular point.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
512	Board / cable error	Sensor / Cable error	1. Check the force sensor, the sensor board, and the cable of force sensor. 2. If the alarm occurs again, check the connection of sensor board to the controller. 3. If the alarm occurs again, save the CMOS.BIN in the maintenance mode and contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4898: EXCESSIVE SEGMENT (SV)

Force control system detected the overspeed.

Sub Code	Meaning	Cause	Remedy
		Setting error	1. Reset the alarm, and then ease the velocity or check whether the posture is singular . 2. If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your YASKAWA representative about occurrence status (operating procedure)

◆ 4899: EXCESSIVE SEGMENT(SAFETY 1) (SV)

Force control system detected the overspeed.

Sub Code	Meaning	Cause	Remedy
		Setting error	1. Reset the alarm, and then ease the velocity or check whether the posture is singular . 2. If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your YASKAWA representative about occurrence status (operating procedure)

◆ 4900: EXCESSIVE SEGMENT(SAFETY 2) (SV)

Force control system detected the overspeed.

Sub Code	Meaning	Cause	Remedy
		Setting error	1. Reset the alarm, and then ease the velocity or check whether the posture is singular . 2. If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your YASKAWA representative about occurrence status (operating procedure)

◆ 4901: CUBE/AXIS INTERFERENCE

The manipulator moved in the specified cubic area, or exceeded the maximum value or minimum value of the axis interference.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Group, axis, and interference area number	Setting error	Check the following settings. • Perform the teaching again to correct positions for manipulators so that the step where the alarm occurred is out of interference area. • Change the settings for interference area.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4902: CUBE INTERFERENCE(TCP)

The TCP of the manipulator has entered the cube interference area that was specified.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Group and interference area number	Setting error	Check the following settings. • Change the step position whrere the alarm occurred to the area outside the interference area. • Modify the interference area setting.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4903: CUBE INTERFERENCE(ENTIRE)

A part of the manipulator has entered the cube interference area that was specified.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Group, axis, and interference area number	Setting error	Check the following settings. • Perform the teaching again to correct positions for manipulators so that the step where the alarm occurred is out of interference area. • Change the settings for interference area.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4904: CUBE INTERFERENCE AREA SET ERR

Cube interference area setting is abnormal.

Sub Code	Meaning	Cause	Remedy
0	Maximum number of the cube interference area exceeds the allowable range.	Setting error	1. Reset the alarm. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1	The number of cube interference area whose monitoring part is "whole" exceeds the limit.	Setting error	Reduce the number of cube interference area whose monitoring part is "whole" .
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	Detect the cube whose interference area are extremely big or small.	Setting error	1. Among the cube interference areas already values are entered, modify as follows. • Change the extremely big values to smaller ones. • Change the extremely small values to bigger ones. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	Detect the cube interference area whose monitoring part is set to "whole" despite the invalid status of cube arm interference check function.	Setting error	1. Reset the alarm. 2. If the alarm occurs just after loading the cube interference area setting function, execute the following measures. a. Among the cube interference areas to be loaded, change the monitoring part setting from "whole" to "control point". b. Load the modified cube interference area. c. Confirm the settings if the alarm occurs again after the loading operation. 3. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4905: INSTRUCTION ERROR 1

SKCHK mode is not released normally.

Sub Code	Meaning	Cause	Remedy
1	Sub code: SKCHK mode release error	Software operation error occurred	1. Reset the alarm and decrease the motion speed in JOB. 2. If the alarm occurs again, save the CMOS.BIN in the maintenance mode and contact your YASKAWA representative about occurrence status (operating procedure).
2	Sub code: Robot number error	Setting error	1. Reset the alarm and change the robot number. 2. If the alarm occurs again, save the CMOS.BIN in the maintenance mode and contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4908: SPEED CONTROL ERROR

An error occurred at speed control execution.

Sub Code	Meaning	Cause	Remedy
1	Control group designation error.	Setting error	1. Reset the alarm. 2. Check the settings for the specified control group number.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	Speed control axis designation error.	Setting error	1. Reset the alarm. 2. Check the settings for the specified speed control axis number.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	Maximum rotation speed over.	Setting error	1. Reset the alarm. 2. Set the rotation speed that does not exceed the maximum rotation speed.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4909: TEST RUN(HIGH ACCURACY) ERROR

The function which is not allowed in TEST RUN(HIGH ACCURACY) was performed.

Sub Code	Meaning	Cause	Remedy
		Operation mistake	Select a sub menu [TEACHING CONDITION SETTING] under main menu [SETUP]. Set "TEST RUN CONTROL" to "NORMAL" to perform TEST RUN operation.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4913: SUB SEQUENCE TASK CONTR ERROR

An error occurred in job execution process of P-PLC program.

Sub Code	Meaning	Cause	Remedy
1	Unused A_BANK does not exist in the prereading processing of move instruction.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	Unused bank priority does not exist in the prereading processing of move instruction.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
5	A_BANK pointer is not set.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4913: SUB SEQUENCE TASK CONTR ERROR (continued)

Sub Code	Meaning	Cause	Remedy
6	A_BANK conversion could not be performed.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7	The specified A_BANK number does not exist.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
20	An error occurred when system number (MSS) was obtained.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
21	An error occurred in RMS960 system call.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
22	Undefined interrupt command was received.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
23	Job start condition is not defined.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
24	An error occurred in instruction prefetch queue operation.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
26	Intermediate code is not defined.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
29	Instruction prereading processing has not been completed normally.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
30	An error occurred in job data change.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
31	The specified sequence number at job execution start is incorrect.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
32	The added area for interruption command is incorrect.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4913: SUB SEQUENCE TASK CONTR ERROR (continued)

Sub Code	Meaning	Cause	Remedy
33	System number (MSS) for interruption command is incorrect.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
38	An error occurred at start of twin synchronous operation.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
39	An error occurred when SYNC specification was reset.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
41	An error occurred in occupation control group setting in MOTION section.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
45	An error occurred in path/trace control.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
47	An error occurred when waiting for a completion of main system task (job) in SYNC specification.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
48	An attempt was made to execute an instruction that could not be executed at line sequence execution.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
49	An error occurred while obtaining the instruction information.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
80	An exceptional error occurred in job execution process.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
100	Main processing command is incorrect in prereading processing.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
101	Subprocessing command is incorrect in prereading processing.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
102	Prereading processing has not been completed at job execution.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4913: SUB SEQUENCE TASK CONTR ERROR (continued)

Sub Code	Meaning	Cause	Remedy
103	A_BANK conversion has not been completed.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
104	System number (MSS) is incorrect in prereading processing.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
105	An error occurred in instruction prefetch queue operation in prereading processing.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
106	An error occurred at IES switching in prereading processing.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
108	An error occurred in prereading operation process.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
200	The specified sequence number is incorrect.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
201	An attempt was made to execute an instruction that could not be executed in P-PLC program.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4914: SUB SEQUENCE(H) TASK CONTR ERROR

An error occurred in job execution process of PSTRIG instruction.

Sub Code	Meaning	Cause	Remedy
1	Unused A_BANK does not exist in the prereading processing of move instruction.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	Unused bank priority does not exist in the prereading processing of move instruction.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
5	A_BANK pointer is not set.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
6	A_BANK conversion could not be performed.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4914: SUB SEQUENCE(H) TASK CONTR ERROR (continued)

Sub Code	Meaning	Cause	Remedy
7	The specified A_BANK number does not exist.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
20	An error occurred when system number (MSS) was obtained.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
21	An error occurred in RMS960 system call.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
22	Undefined interrupt command was received.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
23	Job start condition is not defined.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
24	An error occurred in instruction prefetch queue operation.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
26	Intermediate code is not defined.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
29	Instruction prereading processing has not been completed normally.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
30	An error occurred in job data change.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
31	The specified sequence number at job execution start is incorrect.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
32	The added area for interruption command is incorrect.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
33	System number (MSS) for interruption command is incorrect.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4914: SUB SEQUENCE(H) TASK CONTR ERROR (continued)

Sub Code	Meaning	Cause	Remedy
38	An error occurred at start of twin synchronous operation.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
39	An error occurred when SYNC specification was reset.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
41	An error occurred in occupation control group setting in MOTION section.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
45	An error occurred in path/trace control.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
47	An error occurred when waiting for a completion of main system task (job) in SYNC specification.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
48	An attempt was made to execute an instruction that could not be executed at line sequence execution.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
49	An error occurred while obtaining the instruction information.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
80	An exceptional error occurred in job execution process.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
100	Main processing command is incorrect in prereading processing.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
101	Subprocessing command is incorrect in prereading processing.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
102	Prereading processing has not been completed at job execution.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
103	A_BANK conversion has not been completed.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4914: SUB SEQUENCE(H) TASK CONTR ERROR (continued)

Sub Code	Meaning	Cause	Remedy
104	System number (MSS) is incorrect in prereading processing.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
105	An error occurred in instruction prefetch queue operation in prereading processing.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
106	An error occurred at IES switching in prereading processing.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
210	An attempt was made to execute an instruction that could not be executed in sub sequence(H) task	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4915: PathSwitch CONTROL ERROR

An error occurred at PSTRIG instruction execution.

Sub Code	Meaning	Cause	Remedy
1	When PSTRIG instruction was executed, there was not PLCSTPON instruction or PLCSTPOF instruction.	Setting error	1. Reset the alarm. 2. Check whether PLCSTPON instruction and PLCSTPOF instruction is registered.When unregistered, register PLCSTPON instruction and PLCSTPOF instruction.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	When PSTRIG instruction was executed, P-PLC instruction had not been executed.	Setting error	1. Reset the alarm. 2. Check whether P-PLC instruction is registered.When unregistered, registerP-PLC instruction. 3. When PSTRIG instruction is executed, check P-PLC instruction is whether it has been executed.If it is not running, please run PSTRIG instruction after P-PLC instruction execution.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	The number of PSTRIG instruction exceeds the limit in the PointPLC program.	Setting error	1. Reset the alarm. 2. please reduce the number that can be set PSTRIG instruction.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	Delay control was not completed.	Setting error	1. Reset the alarm. 2. Please change the teaching to be able to delay control.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4915: PathSwitch CONTROL ERROR (continued)

Sub Code	Meaning	Cause	Remedy
5	PSTRIG instruction execution result is err.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
6	PSTRIG instruction execution result is err.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm is complicated, please check the contents and take a measure.
7	PSTRIG instruction execution result is err.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8	PSTRIG instruction execution result is err.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
9	PSTRIG instruction execution result is err.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm is complicated, please check the contents and take a measure.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
10	PSTRIG instruction execution result is err.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
15	The new PSTRIG was performed during PSTRIG execution.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4916: WRONG JOB EXEC OF DETACHED AXIS

The axes detachment has been set to the job control group axis to be operated.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Control group	Setting error	Check the following settings. • [OPTION FUNCTION] - [AXES DETACHMENT] settings in maintenance mode, Cancel the detachment axis setting of the job control group.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4917: WRONG JOB EXEC OF DETACHED AXIS

The axes detachment has been set to the job control group axis to be operated.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Control group	Setting error	Check the following settings. • [OPTION FUNCTION] - [AXES DETACHMENT] settings in maintenance mode, Cancel the detachment axis setting of the job control group.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4918: PROFINET SETTING ERROR

An error occurred in the start process of the CP1616 board.

Sub Code	Meaning	Cause	Remedy
16	Device name or IP address has not been set to CP1616 board connected with 1st PCI connector.	Setting error	1. Reset the alarm. 2. If the alarm occurs again, please carry out the following according to a manual. • Set the device name and IP address to CP1616 board by using STEP 7 (setting tool by SIEMENS).
		CP1616 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the CP1616 board.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
17	Device name or IP address has not been set to CP1616 board connected with 2nd PCI connector.	Setting error	1. Reset the alarm. 2. If the alarm occurs again, please carry out the following according to a manual. • Set the device name and IP address to CP1616 board by using STEP 7 (setting tool by SIEMENS).
		CP1616 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the CP1616 board.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
116	Firmware version of CP1616 board connected with 1st PCI connector and driver software version does not match.	CP1616 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the CP1616 board.
		CP1616 board version failure	1. Reset the alarm. 2. If the alarm occurs again, please request the update of CP1616 board firmware to your YASKAWA representative.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
117	Firmware version of CP1616 board connected with 2nd PCI connector and driver software version does not match.	CP1616 board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the CP1616 board.

4918: PROFINET SETTING ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		CP1616 board version failure	1. Reset the alarm. 2. If the alarm occurs again, please request the update of CP1616 board firmware to your YASKAWA representative.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4919: SYSTEM JOB(CYCLIC) EXEC. ERROR

An error occurred at the SYSTEM JOB(CYCLIC) execution.

Sub Code	Meaning	Cause	Remedy
1	Task ID error	Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	MSS ID error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	JOB handle error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	RMS error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
5	Job type is not SYSTEM JOB (CYCLIC/HIGH).	Setting error	Change the job type to "SYSTEM JOB(CYCLIC/HIGH)".
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
6	The intermediate code of the instruction that is to be executed is incorrect.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7	The instruction cannot be executed in the SYSTEM JOB (CYCLIC/HIGH).	Setting error	Delete the instruction in which alarm occurred, because the instruction cannot be executed in the SYSTEM JOB(CYCLIC/HIGH).
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
9	The reinterpretation of the instruction was ordered when executing the instruction.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
10	The SYSTEM JOB(CYCLIC/HIGH) was going to branch to the other job.	Setting error	Delete the instruction in which alarm occurred, because The SYSTEM JOB(CYCLIC/HIGH) cannot branch to the other job.

4919: SYSTEM JOB(CYCLIC) EXEC. ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
11	The execution number of SYSTEM JOB(CYCLIC/HIGH) exceeded a limitation.	Setting error	Correct the job under the current limitation of execution number, because SYSTEM JOB(CYCLIC/HIGH) can no longer be executed.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
12	The execution of SYSTEM JOB (CYCLIC/HIGH) was not finished within a time limit.	Setting error	Reduce the number of items in the SYSTEM JOB(CYCLIC/ HIGH).
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
13	The SYSTEM JOB(CYCLIC/ HIGH) was executed in the system being executed already.	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
14	The execution number of items in the SYSTEM JOB(CYCLIC/ HIGH) exceeded a limitation.	Setting error	Reduce the number of items in the SYSTEM JOB(CYCLIC/ HIGH) within the limit number(Initial setting is 300).
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4920: M-SAF CONTACTOR SELF CHECK ERR

An error is detected by ASF30 board in self diagnosis process of contactor output signal to ferform on a periodical basis.

Sub Code	Meaning	Cause	Remedy
	The meaning of each sub code is as follows: CPU1 1:SFRON1 CPU2 1:SFRON1	ASF30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Power supply unit failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4921: M-SAF STO SELF CHECK ERR

An error is detected by ASF30 board in self diagnosis process of STO signal to ferform on a periodical basis.

Sub Code	Meaning	Cause	Remedy
	The meaning of each sub code is as follows: CPU1 1:STO1 CPU2 1:STO1	ASF30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4922: M-SAF GENERAL OUT SELF CHECK ERR

An error is detected by ASF30 board in self diagnosis process of general safety output signal to ferform on a periodical basis.

Sub Code	Meaning	Cause	Remedy
	The meaning of each sub code is as follows: CPU1 1:GSOUT1 CPU1 2:GSOUT2 CPU2 1:GSOUT1 CPU2 2:GSOUT2	ASF30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4923: M-SAF GENERAL OUT SELF CHECK ERR2

An error is detected by ASF30 board in self diagnosis process of function safety general safety output signal to ferform on a periodical basis.

Sub Code	Meaning	Cause	Remedy
	The meaning of each sub code is as follows: D01:XOUT01 D02:XOUT02 D03:XOUT03 D04:XOUT04 D05:XOUT05 D06:XOUT06 D07:XOUT07 D08:XOUT08	ASF30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF02 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4924: M-SAF CONTACTOR UNMATCH

Detected error by ASF30 board in self diagnosis process of contactor output signal.

Sub Code	Meaning	Cause	Remedy
	The meaning of each sub code is as follows: CPU1 1:SFRON1 CPU1 2:SFRON2 CPU1 3:SFRON3 CPU1 4:SFRON4 CPU2 1:SFRON1 CPU2 2:SFRON2 CPU2 3:SFRON3 CPU2 4:SFRON4	ASF30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Power supply unit failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4925: M-SAF STO UNMATCH

Detected error by ASF01 board in self diagnosis process of STO signal.

Sub Code	Meaning	Cause	Remedy
	The meaning of each sub code is as follows: CPU1 1:STO1 CPU2 1:STO1	ASF30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4926: M-SAF GENERAL OUTPUT UNMATCH

Detected error by ASF30 board in self diagnosis process of general safety output signal. (Machine safety signal)

Sub Code	Meaning	Cause	Remedy
	The meaning of each sub code is as follows: CPU1 1:GSOUT1 CPU1 2:GSOUT2 CPU2 1:GSOUT1 CPU2 2:GSOUT2	ASF30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4927: M-SAF GENERAL OUTPUT UNMATCH2

Detected error by ASF02 board and ASU03 unit in self diagnosis process of general safety output signal. (Functionaly safety signal)

Sub Code	Meaning	Cause	Remedy
	The meaning of each sub code is as follows: D01:XOUT01 D02:XOUT02 D03:XOUT03 D04:XOUT04 D05:XOUT05 D06:XOUT06 D07:XOUT07 D08:XOUT08	ASF30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF02 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4928: M-SAF OUTPUT SIG. SELF CHECK ERR

An error is detected by ASF30 board in self diagnosis process of function safety output signal to ferform on a periodical basis.

Sub Code	Meaning	Cause	Remedy
	Subcode is the signal number that detected error.	ASF30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF32board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4929: M-SAF INPUT SIG. SELF CHECK ERR

An error is detected by ASF30 board in self diagnosis process of function safety input signal to ferform on a periodical basis.

Sub Code	Meaning	Cause	Remedy
	Subcode is the signal number that detected error.	ASF30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ASF02 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4932: REFERENCE USER FRAME ERROR

An error occurred in reference user frame.

Sub Code	Meaning	Cause	Remedy
1	reference user frame not set	Setting error	1. Reset the alarm. 2. Check the following settings. • reference user frame
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	multiple reference user frame	Setting error	1. Reset the alarm. 2. Check the following settings. • reference user frame
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	Incorrect control group designation	Setting error	1. Reset the alarm. 2. Check the following settings. • reference user frame
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4933: TIMING DELAY CONTROL IMPOSSIBLE

Failed in timing delay control.

Sub Code	Meaning	Cause	Remedy
1	Timing delay control was inpossible	Setting error	Check the following settings. • please correct the job and be able to timing delay control.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4933: TIMING DELAY CONTROL IMPOSSIBLE (continued)

Sub Code	Meaning	Cause	Remedy
2	Timing exchange control was inpossible	Setting error	Please review a job so that an prohibited instruction does not enter between control object steps.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4935: PointPLC EXECUTE ERROR

An error occurred at execution of the PointPLC program.

Sub Code	Meaning	Cause	Remedy
1	TAG could not be executed on JUMP instruction in the PointPLC program.	Setting error	1. Reset the alarm. 2. Delete the TAG of the JUMP instruction which cannot be executed in the PointPLC program.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	JUMP instruction or LABEL is wrong in the PointPLC program.	Setting error	1. Reset the alarm. 2. Modify the JUMP instruction or LABEL in the PointPLC program. JUMP destination in the PointPLC program will need to be set in the PointPLC program. JUMP destination outside of PointPLC program will need to be set outside PointPLC program.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	TAG could not be executed on CLEAR instruction in the PointPLC program.	Setting error	1. Reset the alarm. 2. Delete the TAG of the CLEAR instruction which cannot be executed in the PointPLC program.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	TAG could not be executed on CALL instruction in the PointPLC program.	Setting error	1. Reset the alarm. 2. Delete the TAG of the CALL instruction which cannot be executed in the PointPLC program.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4936: LOCAL VARIABLE CONTROL ERROR

An error occurred in Local variable control.

Sub Code	Meaning	Cause	Remedy
1	Local variable is used in the PointPLC program.	Setting error	1. Reset the alarm. 2. Modify the instruction that uses Local variable in the PointPLC program.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4937: TIMING ADJUSTMENT SETTING ERROR

Failed in control of the setting timing adjustment.

Sub Code	Meaning	Cause	Remedy
1	Adjustment setting is exceeds the control area of the advance or delay control.	Setting error	Correct the job so that adjustment setting is within the control area.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	Timing advance control was inpossible.	Setting error	Correct the job so that it does not across the instructions that can not be advance control.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	Timing delay control was inpossible.	Setting error	Correct the job so that it does not across the instructions that can not be delay control.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4940: MOTION COMMAND CODE ERROR (SV)

Illegal command data (parameter) is received from MOTION section.

Sub Code	Meaning	Cause	Remedy
		Software operation error occurred	1. Reset the alarm. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4941: CANNOT EXECUTE MOTION CMD (SV)

An optional function was commanded to be executed while another optional function was in execution.

Sub Code	Meaning	Cause	Remedy
		Software operation error occurred	1. Reset the alarm. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4942: AVERAGING TIME CHANGE ERR (SV)

The request to change standardization time was sent without permission.

Sub Code	Meaning	Cause	Remedy
		Software operation error occurred	1. Reset the alarm. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4943: AVERAGING TIME ERROR (SERVO)

The motor instruction standardization time is out of the allowable range.

Sub Code	Meaning	Cause	Remedy
		Software operation error occurred	1. Reset the alarm. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4944: POSITION LOOP GAIN ERROR (SV)

The KP parameter input value is out of the allowable range.

Sub Code	Meaning	Cause	Remedy
		Software operation error occurred	1. Reset the alarm. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4945: MOTION COMMAND DATA ERROR (SV)

No processing corresponds to the command code sent from MOTION section.

Sub Code	Meaning	Cause	Remedy
		Software operation error occurred	1. Reset the alarm. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4946: PG POWER ON INCOMPLETE (SV)

An attempt was made to turn ON the servo while the encoder was not ready.

Sub Code	Meaning	Cause	Remedy
		Software operation error occurred	1. Reset the alarm. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4947: SERVO ON MULTIPLE REQUEST (SV)

The request to turn ON the servo power supply again was sent to an axis where the servo's power was already ON.

Sub Code	Meaning	Cause	Remedy
		Software operation error occurred	1. Reset the alarm. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4948: ENCODER ALARM (SERVO)

The servo ON command was executed while the encoder was in alarm status.

Sub Code	Meaning	Cause	Remedy
		Software operation error occurred	1. Reset the alarm. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4953: ENCODER COUNTER DIFF. ERR(SV)

The difference value of the encoder exceeded the threshold value.

Sub Code	Meaning	Cause	Remedy
		Connection failure	1. Reset the alarm 2. If the alarm occurs again, check the connection and inserting state of the following cables and connectors. [Robot axis] • Cables between encoders [External axis] • Cables between encoders
		ACP31 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4954: REALTIME STATUS S/R ERROR (SV)

An error occurred in real-time data transmission of SVSPOT Executing bit sent from MOTION.

Sub Code	Meaning	Cause	Remedy
		Software operation error occurred	1. Reset the alarm. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4955: AVERAGING DATA ERROR (SERVO)

The illegal data are stored in the averaging buffer. (The lowest digit shows the axis No.)

Sub Code	Meaning	Cause	Remedy
		Software operation error occurred	1. Reset the alarm. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4956: AVERAGING SUM ERROR (SERVO)

The sum value in the averaging buffer is incorrect. (The lowest digit shows the axis No.)

Sub Code	Meaning	Cause	Remedy
		Software operation error occurred	1. Reset the alarm. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4957: AVERAGING STATUS ERR (SERVO)

The "empty" status of averaging buffer is incorrect. (The lowest digit shows the axis No.)

Sub Code	Meaning	Cause	Remedy
		Software operation error occurred	1. Reset the alarm. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4958: HIGH RESOLUTION PRM UNDEFINED(SV)

Overload detected parameter(a high resolution) was set to "0", though overload-related parameter flag is ON.

Sub Code	Meaning	Cause	Remedy
		Software operation error occurred	1. Reset the alarm. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4959: WRONG GRP CHANGE AXIS (SERVO)

An uncontrolled axis was specified at group change instruction execution.

Sub Code	Meaning	Cause	Remedy
		Software operation error occurred	1. Reset the alarm. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4960: BELT SNAP DETECT PRM ERROR (SV)

The observer and collision detection function are set disabled although the broken belt detection function is set enabled.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred	Setting error	1. Reset the alarm. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4962: BRAKE LOCK ERROR (SERVO)

The mechanical brake remains locked although the base block is released. (The lowest digit shows the axis No.)

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred	Software operation error occurred	1. Reset the alarm. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4963: BRAKE RELEASE ERROR (SERVO)

The mechanical brake is not locked although the base block turns ON. (The lowest digit shows the axis No.)

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred	Software operation error occurred	1. Reset the alarm. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4964: CONST.SPD MEASURE MULTI REQ (SV)

While the velocity torque sampling was in execution, another request of sampling was sent.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred	Software operation error occurred	1. Reset the alarm. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4965: DIN SIGNAL SPECIFIC. ERROR (SV)

DIN signals are used for plural function.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred	Setting error	Check the settings for jobs.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4966: DB RESIST NOT INSTALLED(SV)

The DB resistor is not mounted on the amplifier.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred	Connection failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		DB resist board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure(converter)	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4967: RATED CURRENT AND MAXIMUM CURRENT HIGH RESOLUTION PRM UNDEFINED(SERVO)

When the rating current and maximum current is zero, zero is set for the parameter of the rating current and the maximum current (high resolution).

Sub Code	Meaning	Cause	Remedy
		Setting error	1. Reset the alarm. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4968: POSITIONING(DISTANCE) ERROR

An error occurred at Positioning(distance specification) execution.

Sub Code	Meaning	Cause	Remedy
1	Step end stopping timeout of Positioning(distance specification) was detected.	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
2	PL control is not allowed when Positioning(distance specification) is enabled.	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).
3	Arithmetic error occurred when calculating consideration of servo delay for the Positioning (distance specification).	Setting error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN in maintenance mode, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 4969: CONVTR POWER ERR(FREQUENCY)(SV)

Frequency of primary power supply applied to the converter is incorrect.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the converter in which the alarm occurred	Primary power supply failure	Confirm that appopriate primary voltage is applied to the braker. Prescribed voltage: 200V (+10% to 15%)
		Connection failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure(converter)	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4970: CONVTR POWER ERR(PHASE SEQ.)(SV)

The phase sequence of primary power applied to the converter is incorrect.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the converter in which the alarm occurred	Primary power supply failure	Confirm that appopriate primary voltage is applied to the braker. Prescribed voltage: 200V (+10% to 15%)
		Connection failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure(converter)	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4971: CONVTR POWER ERR(PEAK)(SV)

Peak value of primary power for entered converter is incorrect.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the converter in which the alarm occurred	Primary power supply failure	Confirm that appopriate primary voltage is applied to the braker. Prescribed voltage: 200V (+10% to 15%)
		Connection failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure(converter)	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4972: CONVTR REGENERATE OVERLOAD(SV)

The converter regenerative is overloaded.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the converter in which the alarm occurred	Primary power supply failure	Check the primary voltage for the converter.
		Setting error	Check the following settings; • Tool data • JOB • Workpiece • JOB speed • Acceleration and deceleration (ACC, DEC)
		Connection failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure (Regenerative resistor)	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Module failure(converter)	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4973: POSITION ERROR(COLLISION DETECT)

The position deviation reached the limit value after the manipulator stopped by the collision detection.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred	Setting error	Confirm the following settings; • Tool information • Workpiece
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4974: POSITION ERROR(START LIFT)

The moving volume when executing start lift reached the limit.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred	Software operation error occurred	1. Reset the alarm. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4975: WRONG START LIFT AXIS(SERVO)

Incorrect axis is specified when executing start lift.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred	Software operation error occurred	1. Reset the alarm. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4978: UNIV.IN/OUT SIGNAL BROKEN(SERVO)

Universal input/output cable between the ACP31 boards is broken or its connector is disconnected.

Sub Code	Meaning	Cause	Remedy
1	Universal input/output 1 between the ACP31 boards is broken.	Connection failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	Universal output 1for SV#1 (SV#2) is inconsistent with Universal input 1 for SV#2 (SV#1).	Setting error	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4978: UNIV.IN/OUT SIGNAL BROKEN(SERVO) (continued)

Sub Code	Meaning	Cause	Remedy
3	Universal output 1for SV#1 (SV#2) is inconsistent with Universal input 1 for SV#2 (SV#1).	Setting error	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	Universal input/output 2 between the ACP31 boards is broken or its connector is disconnected.	Connection failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
5	Universal output 2 for SV#1 (SV#2) is inconsistent with Universal input 2 for SV#2 (SV#1).	Setting error	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
6	Universal output 2 for SV#1 (SV#2) is inconsistent with Universal input 2 for SV#2 (SV#1).	Setting error	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4980: DESTINATION PULSE LIMIT

The manipulator exceeded its motion limit (pulse limit) in the negative (-) direction and the positive (+) direction in the motion target position.

Sub Code	Meaning	Cause	Remedy
		Setting error	Check the position setting for the step (move instruction) where the alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4981: DEST PULSE MECHANICAL LIMIT

The manipulator exceeded its motion limit (mechanical limit) in the negative (-) and the positive (+) direction at the motion target point.

Sub Code	Meaning	Cause	Remedy
		Setting error	Check the position setting for the step (move instruction) where the alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4982: DEST MECHANICAL INTRF

The manipulator link was interfered with the motion target position.

Sub Code	Meaning	Cause	Remedy
		Setting error	Check the position setting for the step (move instruction) where the alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4983: DEST MECHANICAL INTRF

The manipulator link was interfered with the motion target position.

Sub Code	Meaning	Cause	Remedy
		Setting error	Check the position setting for the step (move instruction) where the alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4984: DESTINATION SELF-INTERFERENCE

The manipulator link was interfered with the motion target position.

Sub Code	Meaning	Cause	Remedy
		Setting error	Check the position setting for the step (move instruction) where the alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4985: TEACH LINE CORD JOG MOVE DISABLE

An error occurred when teach line cord jog move was in execution.

Sub Code	Meaning	Cause	Remedy
		Setting error	Correct the attitude of the tool and the ground are out of vertical, and execute teach line cord jog move.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4986: TEACH LINE CORD JOG MOVC DISABLE

An error occurred when teach line cord jog move was in execution.

Sub Code	Meaning	Cause	Remedy
		Setting error	Execute FWD/BWD/TEST RUN operation, and execute teach line cord jog move.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4989: DEFECTIVE OPERATION VELOCITY

Robot can not move in the working speed that is specified in the speed limit by the functional safety.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Control group	Setting error	Please do not take effect safety of the speed limit by the functional safety during the interval of ARCON.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4990: MOTION ERROR (SINGULAR POSTURE)

Cannot perform interpolation to the specified posture.
It may occur when the interpolation to the target position where the manipulator cannot keep posture is performed.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Control group	Setting error	Check the following settings. • Change the teaching orientation. [Tube built-in wrist type models] When a flange is parallel to a XY plane of the robot coordinated system, teach the flange so that it is inclined more than 0.01 degrees.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4991: IO MODULE PROC OVERTIME

The procedure of the accessing to I/O module did not finish in the defined period.

Sub Code	Meaning	Cause	Remedy
16	The procedure of the accessing to I/O module which is connected with 1st PCI connector did not finish in the defined period.	Setting error	Check the following settings. • When SST-DN4 is used; maximum waiting time for accessible to PCI board • PCI slot number in which each PCI board is mounted • I/O module settings in maintenance mode
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following connector. • The PCI connector of the corresponding I/O module
		Board failure(I/O module)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • The corresponding I/O module (PCI board)
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
17	The procedure of the accessing to I/O module which is connected with 2nd PCI connector did not finish in the defined period.	Setting error	Check the following settings. • When SST-DN4 is used; maximum waiting time for accessible to PCI board • PCI slot number in which each PCI board is mounted • I/O module settings in maintenance mode
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following connector. • The PCI connector of the corresponding I/O module
		Board failure(I/O module)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • The corresponding I/O module (PCI board)
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
18	The procedure of the accessing to I/O module which is connected with 3rd PCI connector did not finish in the defined period.	Setting error	Check the following settings. • When SST-DN4 is used; maximum waiting time for accessible to PCI board • PCI slot number in which each PCI board is mounted • I/O module settings in maintenance mode
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following connector. • The PCI connector of the corresponding I/O module
		Board failure(I/O module)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • The corresponding I/O module (PCI board)
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4991: IO MODULE PROC OVERTIME (continued)

Sub Code	Meaning	Cause	Remedy
19	The procedure of the accessing to I/O module which is connected with 4th PCI connector did not finish in the defined period.	Setting error	Check the following settings. • When SST-DN4 is used; maximum waiting time for accessible to PCI board • PCI slot number in which each PCI board is mounted • I/O module settings in maintenance mode
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following connector. • The PCI connector of the corresponding I/O module
		Board failure(I/O module)	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the following board. Save the CMOS.BIN before replace the board to be safe. • The corresponding I/O module (PCI board)
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4992: INTERNAL ROBOT POS.UNMATCH

Position data in the manipulator does not match home position data.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred.	Setting error	Try 1. below if the alarm occurs after replacing the robot, the controller or loading CMOS.BIN. Try 2. below if this alarm occurs after replacing the motor. 1. In the MANAGEMENT MODE, select "HOME POSITION"under sub menu "ROBOT". Select the robot group page where the alarm occurs to select "CLEAR ROBOT DATA" under menu "DATA", then clear home position data. 2. In the MANAGEMENT MODE, select "HOME POSITION"under sub menu "ROBOT", and select the robot group page where the alarm occurs to select "RECORD TO ROBOT" under menu "DISPLAY", then write correct home position data in the robot.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4993: POWER REGENERATIVE OVERLOAD(CV)

POWER REGENERATIVE UNIT in converter is overloading.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred.	Primary power failure	Check the primary power supply voltage in converter.
		Setting error	Check the following settings; • Tool data • JOB • Workpiece • JOB speed • Acceleration and deceleration (ACC, DEC)
		Module failure(converter)	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4994: CHOPPER OVERLOAD(CONVERTER)

Chopper circuit in converter is overloading.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred.	Primary power failure	Check the primary power supply voltage in converter.
		Setting error	Check the following settings; • Tool data • JOB • Workpiece • JOB speed • Acceleration and deceleration (ACC, DEC)
		Module failure(converter)	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4995: RUSH LIMIT RESISTOR OVERLOAD(CONVERTER)

Rush limit resistor in converter is overloading.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred.	Setting error	Check the number of SERVO ON in a certain time settings.
		Module failure(converter)	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4996: FAN STOP(CONVERTER)

Fan in converter stopped.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred.	Module failure(converter)	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		ACP31 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4997: M-SAF DATA CRC UNMATCH

An error occurred when loading functional safety related data.

Sub Code	Meaning	Cause	Remedy
1	A CRC mismatch was detected in the RC parameter.	Data error	1. Reset the alarm, and then try again. 2. Check whether the data which it is going to load is surely saved as data of functional safety.
		Safety data Inconsistent	The safety administrator should check the difference of the changes, and if the change risk is acceptable, perform the following operations and then load the file. Set [SAVE DATA CRC CHECK FUNC.(FSU)] to "Disable" on the [Main Menu]-> [SETUP]-> [FUNCTION ENABLE] screen.
		ASF30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement.
		ACP30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement.

4997: M-SAF DATA CRC UNMATCH (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	A CRC mismatch was detected in the SD parameter.	Data error	1. Reset the alarm, and then try again. 2. Check whether the data which it is going to load is surely saved as data of functional safety.
		Safety data Inconsistent	The safety administrator should check the difference of the changes, and if the change risk is acceptable, perform the following operations and then load the file. Set [SAVE DATA CRC CHECK FUNC.(FSU)] to "Disable" on the [Main Menu]-> [SETUP]-> [FUNCTION ENABLE] screen.
		ASF30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement.
		ACP30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	A CRC mismatch was detected in the RO parameter.	Data error	1. Reset the alarm, and then try again. 2. Check whether the data which it is going to load is surely saved as data of functional safety.
		Safety data Inconsistent	The safety administrator should check the difference of the changes, and if the change risk is acceptable, perform the following operations and then load the file. Set [SAVE DATA CRC CHECK FUNC.(FSU)] to "Disable" on the [Main Menu]-> [SETUP]-> [FUNCTION ENABLE] screen.
		ASF30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement.
		ACP30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	A CRC mismatch was detected in the SC parameter.	Data error	1. Reset the alarm, and then try again. 2. Check whether the data which it is going to load is surely saved as data of functional safety.
		Safety data Inconsistent	The safety administrator should check the difference of the changes, and if the change risk is acceptable, perform the following operations and then load the file. Set [SAVE DATA CRC CHECK FUNC.(FSU)] to "Disable" on the [Main Menu]-> [SETUP]-> [FUNCTION ENABLE] screen.
		ASF30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement.

4997: M-SAF DATA CRC UNMATCH (continued)

Sub Code	Meaning	Cause	Remedy
		ACP30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
5	A CRC mismatch was detected in the CIO parameter.	Data error	1. Reset the alarm, and then try again. 2. Check whether the data which it is going to load is surely saved as data of functional safety.
		Safety data Inconsistent	The safety administrator should check the difference of the changes, and if the change risk is acceptable, perform the following operations and then load the file. Set [SAVE DATA CRC CHECK FUNC.(FSU)] to "Disable" on the [Main Menu]-> [SETUP]-> [FUNCTION ENABLE] screen.
		ASF30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement.
		ACP30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
6	A CRC mismatch was detected in the FD parameter.	Data error	1. Reset the alarm, and then try again. 2. Check whether the data which it is going to load is surely saved as data of functional safety.
		Safety data Inconsistent	The safety administrator should check the difference of the changes, and if the change risk is acceptable, perform the following operations and then load the file. Set [SAVE DATA CRC CHECK FUNC.(FSU)] to "Disable" on the [Main Menu]-> [SETUP]-> [FUNCTION ENABLE] screen.
		ASF30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement.
		ACP30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7	A CRC mismatch was detected in the AP parameter.	Data error	1. Reset the alarm, and then try again. 2. Check whether the data which it is going to load is surely saved as data of functional safety.
		Safety data Inconsistent	The safety administrator should check the difference of the changes, and if the change risk is acceptable, perform the following operations and then load the file. Set [SAVE DATA CRC CHECK FUNC.(FSU)] to "Disable" on the [Main Menu]-> [SETUP]-> [FUNCTION ENABLE] screen.

4997: M-SAF DATA CRC UNMATCH (continued)

Sub Code	Meaning	Cause	Remedy
		ASF30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement.
		ACP30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8	A CRC mismatch was detected in the RS parameter.	Data error	1. Reset the alarm, and then try again. 2. Check whether the data which it is going to load is surely saved as data of functional safety.
		Safety data Inconsistent	The safety administrator should check the difference of the changes, and if the change risk is acceptable, perform the following operations and then load the file. Set [SAVE DATA CRC CHECK FUNC.(FSU)] to "Disable" on the [Main Menu]-> [SETUP]-> [FUNCTION ENABLE] screen.
		ASF30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement.
		ACP30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
9	A CRC mismatch was detected in the SE parameter.	Data error	1. Reset the alarm, and then try again. 2. Check whether the data which it is going to load is surely saved as data of functional safety.
		Safety data Inconsistent	The safety administrator should check the difference of the changes, and if the change risk is acceptable, perform the following operations and then load the file. Set [SAVE DATA CRC CHECK FUNC.(FSU)] to "Disable" on the [Main Menu]-> [SETUP]-> [FUNCTION ENABLE] screen.
		ASF30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement.
		ACP30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
10	A CRC mismatch was detected in the SV parameter.	Data error	1. Reset the alarm, and then try again. 2. Check whether the data which it is going to load is surely saved as data of functional safety.

4997: M-SAF DATA CRC UNMATCH (continued)

Sub Code	Meaning	Cause	Remedy
		Safety data Inconsistent	The safety administrator should check the difference of the changes, and if the change risk is acceptable, perform the following operations and then load the file. Set [SAVE DATA CRC CHECK FUNC.(FSU)] to "Disable" on the [Main Menu]-> [SETUP]-> [FUNCTION ENABLE] screen.
		ASF30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement.
		ACP30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
11	A CRC mismatch was detected in the SVM parameter.	Data error	1. Reset the alarm, and then try again. 2. Check whether the data which it is going to load is surely saved as data of functional safety.
		Safety data Inconsistent	The safety administrator should check the difference of the changes, and if the change risk is acceptable, perform the following operations and then load the file. Set [SAVE DATA CRC CHECK FUNC.(FSU)] to "Disable" on the [Main Menu]-> [SETUP]-> [FUNCTION ENABLE] screen.
		ASF30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement.
		ACP30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
12	A CRC mismatch was detected in the AMC parameter.	Data error	1. Reset the alarm, and then try again. 2. Check whether the data which it is going to load is surely saved as data of functional safety.
		Safety data Inconsistent	The safety administrator should check the difference of the changes, and if the change risk is acceptable, perform the following operations and then load the file. Set [SAVE DATA CRC CHECK FUNC.(FSU)] to "Disable" on the [Main Menu]-> [SETUP]-> [FUNCTION ENABLE] screen.
		ASF30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement.
		ACP30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

4997: M-SAF DATA CRC UNMATCH (continued)

Sub Code	Meaning	Cause	Remedy
13	A CRC mismatch was detected in the SVP parameter.	Data error	1. Reset the alarm, and then try again. 2. Check whether the data which it is going to load is surely saved as data of functional safety.
		Safety data Inconsistent	The safety administrator should check the difference of the changes, and if the change risk is acceptable, perform the following operations and then load the file. Set [SAVE DATA CRC CHECK FUNC.(FSU)] to "Disable" on the [Main Menu]-> [SETUP]-> [FUNCTION ENABLE] screen.
		ASF30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement.
		ACP30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
14	A CRC mismatch was detected in the MF parameter.	Data error	1. Reset the alarm, and then try again. 2. Check whether the data which it is going to load is surely saved as data of functional safety.
		Safety data Inconsistent	The safety administrator should check the difference of the changes, and if the change risk is acceptable, perform the following operations and then load the file. Set [SAVE DATA CRC CHECK FUNC.(FSU)] to "Disable" on the [Main Menu]-> [SETUP]-> [FUNCTION ENABLE] screen.
		ASF30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement.
		ACP30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
15	A CRC mismatch was detected in the SVS parameter.	Data error	1. Reset the alarm, and then try again. 2. Check whether the data which it is going to load is surely saved as data of functional safety.
		Safety data Inconsistent	The safety administrator should check the difference of the changes, and if the change risk is acceptable, perform the following operations and then load the file. Set [SAVE DATA CRC CHECK FUNC.(FSU)] to "Disable" on the [Main Menu]-> [SETUP]-> [FUNCTION ENABLE] screen.
		ASF30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement.
		ACP30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement.

4997: M-SAF DATA CRC UNMATCH (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
16	A CRC mismatch was detected in the SVC parameter.	Data error	1. Reset the alarm, and then try again. 2. Check whether the data which it is going to load is surely saved as data of functional safety.
		Safety data Inconsistent	The safety administrator should check the difference of the changes, and if the change risk is acceptable, perform the following operations and then load the file. Set [SAVE DATA CRC CHECK FUNC.(FSU)] to "Disable" on the [Main Menu]-> [SETUP]-> [FUNCTION ENABLE] screen.
		ASF30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement.
		ACP30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
17	A CRC mismatch was detected in the RC parameter.	Data error	1. Reset the alarm, and then try again. 2. Check whether the data which it is going to load is surely saved as data of functional safety.
		Safety data Inconsistent	The safety administrator should check the difference of the changes, and if the change risk is acceptable, perform the following operations and then load the file. Set [SAVE DATA CRC CHECK FUNC.(FSU)] to "Disable" on the [Main Menu]-> [SETUP]-> [FUNCTION ENABLE] screen.
		ASF30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement.
		ACP30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
18	A CRC mismatch was detected in the RC parameter.	Data error	1. Reset the alarm, and then try again. 2. Check whether the data which it is going to load is surely saved as data of functional safety.
		Safety data Inconsistent	The safety administrator should check the difference of the changes, and if the change risk is acceptable, perform the following operations and then load the file. Set [SAVE DATA CRC CHECK FUNC.(FSU)] to "Disable" on the [Main Menu]-> [SETUP]-> [FUNCTION ENABLE] screen.
		ASF30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement.

4997: M-SAF DATA CRC UNMATCH (continued)

Sub Code	Meaning	Cause	Remedy
		ACP30 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4998: M-SAF SYSTEM ERROR2

An error occurred in a process of Machine-Safety system.

Sub Code	Meaning	Cause	Remedy
	If the sub-code is 1nxx,the following is shown: A feedback diagnosis error in ASF30 board number n, target signal xx(following) 00:BON 01:MCON 02:HWBB1 12-19:XOUT01-XOUT08	Connection failure	1. Reset the alarm. 2. If the alarm occurs again, check the following: • Target signal and its feedback signal.
	If the sub-code is 210n,the following is shown: ASF32 board connection error in board number n.	ASF32 board failure	1. Check the ASF32 board connection. 2. Reset the alarm. 3. If the alarm occurs again, replace the ASF32 board.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 4999: ENCODER USER DATA SUM ERROR

This alarm occurs if there is an error of user data in the encoder memory.

Sub Code	Meaning	Cause	Remedy
	Sub Code: Signifies the axis in which the alarm occurred	Module failure(encoder)	1. Reset the alarm. 2. If the alarm occurs again, replace the encoder.
		Connection failure	1. Reset the alarm. 2. If the alarm occurs again, check the connection and inserting state of the following cables and connectors. [Robot axis] • Cable between encoders [External axis] • Cable between encoders
		ACP31 board failure	1. Reset the alarm. 2. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

1.2 Alarm Number (5000 to 5999)

◆ 5020: VERIFY ERROR (SENSOR PARAMETER)

Calc err is occurred when calc parameter at conveyor condition file.

Sub Code	Meaning	Cause	Remedy
0	USED STATUS is err at condition file1.	Setting error	Check USED STATUS at condition file1.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1	PORT NO. is err at condition file1.	Setting error	Check PORT NO. at condition file1.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	BROKEN LINE DETECT is err at condition file1.	Setting error	Check BROKEN LINE DETECT at condition file1.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
3	ENCODER INPUT is err at condition file1.	Setting error	Check ENCODER INPUT at condition file1.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
4	ENCODER SIGN is err at condition file1.	Setting error	Check ENCODER SIGN at condition file1.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
5	CORRECTION is err at condition file1.	Setting error	Check CORRECTION at condition file1.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
6	VIRTUAL CV SPEED is err at condition file1.	Setting error	Check VIRTUAL CV SPEED at condition file1.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
7	AVERAGE TRAVEL TIME is err at condition file1.	Setting error	Check AVERAGE TRAVEL TIME at condition file1.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
8	POS RESOLUTION is err at condition file1.	Setting error	Check POS RESOLUTION at condition file1.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

5020: VERIFY ERROR (SENSOR PARAMETER) (continued)

Sub Code	Meaning	Cause	Remedy
9	PERMIT CV QUE is err at condition file1.	Setting error	Check PERMIT CV QUE at condition file1.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
100	USED STATUS is err at condition file2.	Setting error	Check PORT NO. at condition file2.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
101	PORT NO. is err at condition file2.	Setting error	Check PORT NO. at condition file2.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
102	BROKEN LINE DETECT is err at condition file2.	Setting error	Check BROKEN LINE DETECT at condition file2.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
103	ENCODER INPUT is err at condition file2.	Setting error	Check ENCODER INPUT at condition file2.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
104	ENCODER SIGN is err at condition file2.	Setting error	Check ENCODER SIGN at condition file2.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
105	CORRECTION is err at condition file2.	Setting error	Check CORRECTION at condition file2.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
106	VIRTUAL CV SPEED is err at condition file2.	Setting error	Check VIRTUAL CV SPEED at condition file2.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
107	AVERAGE TRAVEL TIME is err at condition file2.	Setting error	Check AVERAGE TRAVEL TIME at condition file2.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
108	POS RESOLUTION is err at condition file2.	Setting error	Check POS RESOLUTION at condition file2.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

5020: VERIFY ERROR (SENSOR PARAMETER) (continued)

Sub Code	Meaning	Cause	Remedy
109	PERMIT CV QUE is err at condition file2.	Setting error	Check PERMIT CV QUE at condition file2.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
200	USED STATUS is err at condition file3.	Setting error	Check USED STATUS at condition file3.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
201	PORT NO. is err at condition file3.	Setting error	Check PORT NO. at condition file3.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
202	BROKEN LINE DETECT is err at condition file3.	Setting error	Check BROKEN LINE DETECT at condition file3.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
203	ENCODER INPUT is err at condition file3.	Setting error	Check ENCODER INPUT at condition file3.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
204	ENCODER SIGN is err at condition file3.	Setting error	Check ENCODER SIGN at condition file3.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
205	CORRECTION is err at condition file3.	Setting error	Check CORRECTION at condition file3.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
206	VIRTUAL CV SPEED is err at condition file3.	Setting error	Check VIRTUAL CV SPEED at condition file3.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
207	AVERAGE TRAVEL TIME is err at condition file3.	Setting error	Check AVERAGE TRAVEL TIME at condition file3.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
208	POS RESOLUTION is err at condition file3.	Setting error	Check POS RESOLUTION at condition file3.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

5020: VERIFY ERROR (SENSOR PARAMETER) (continued)

Sub Code	Meaning	Cause	Remedy
209	PERMIT CV QUE is err at condition file3.	Setting error	Check PERMIT CV QUE at condition file3.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
300	USED STATUS is err at condition file4.	Setting error	Check USED STATUS at condition file4.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
301	PORT NO. is err at condition file4.	Setting error	Check PORT NO. at condition file4.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
302	BROKEN LINE DETECT is err at condition file4.	Setting error	Check BROKEN LINE DETECT at condition file4.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
303	ENCODER INPUT is err at condition file4.	Setting error	Check ENCODER INPUT at condition file4.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
304	ENCODER SIGN is err at condition file4.	Setting error	Check ENCODER SIGN at condition file4.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
305	CORRECTION is err at condition file4.	Setting error	Check CORRECTION at condition file4.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
306	VIRTUAL CV SPEED is err at condition file4.	Setting error	Check VIRTUAL CV SPEED at condition file4.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
307	AVERAGE TRAVEL TIME is err at condition file4.	Setting error	Check AVERAGE TRAVEL TIME at condition file4.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
308	POS RESOLUTION is err at condition file4.	Setting error	Check POS RESOLUTION at condition file4.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

5020: VERIFY ERROR (SENSOR PARAMETER) (continued)

Sub Code	Meaning	Cause	Remedy
309	PERMIT CV QUE is err at condition file4.	Setting error	Check PERMIT CV QUE at condition file4.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
400	USED STATUS is err at condition file5.	Setting error	Check USED STATUS at condition file5.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
401	PORT NO. is err at condition file5.	Setting error	Check PORT NO. at condition file5.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
402	BROKEN LINE DETECT is err at condition file5.	Setting error	Check BROKEN LINE DETECT at condition file5.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
403	ENCODER INPUT is err at condition file5.	Setting error	Check ENCODER INPUT at condition file5.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
404	ENCODER SIGN is err at condition file5.	Setting error	Check ENCODER SIGN at condition file5.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
405	CORRECTION is err at condition file5.	Setting error	Check CORRECTION at condition file5.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
406	VIRTUAL CV SPEED is err at condition file5.	Setting error	Check VIRTUAL CV SPEED at condition file5.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
407	AVERAGE TRAVEL TIME is err at condition file5.	Setting error	Check AVERAGE TRAVEL TIME at condition file5.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
408	POS RESOLUTION is err at condition file5.	Setting error	Check POS RESOLUTION at condition file5.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

5020: VERIFY ERROR (SENSOR PARAMETER) (continued)

Sub Code	Meaning	Cause	Remedy
409	PERMIT CV QUE is err at condition file5.	Setting error	Check PERMIT CV QUE at condition file5.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
500	USED STATUS is err at condition file6.	Setting error	Check USED STATUS at condition file6.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
501	PORT NO. is err at condition file6.	Setting error	Check PORT NO. at condition file6.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
502	BROKEN LINE DETECT is err at condition file6.	Setting error	Check BROKEN LINE DETECT at condition file6.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
503	ENCODER INPUT is err at condition file6.	Setting error	Check ENCODER INPUT at condition file6.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
504	ENCODER SIGN is err at condition file6.	Setting error	Check ENCODER SIGN at condition file6.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
505	CORRECTION is err at condition file6.	Setting error	Check CORRECTION at condition file6.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
506	VIRTUAL CV SPEED is err at condition file6.	Setting error	Check VIRTUAL CV SPEED at condition file6.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
507	AVERAGE TRAVEL TIME is err at condition file6.	Setting error	Check AVERAGE TRAVEL TIME at condition file6.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
508	POS RESOLUTION is err at condition file6.	Setting error	Check POS RESOLUTION at condition file6.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

5020: VERIFY ERROR (SENSOR PARAMETER) (continued)

Sub Code	Meaning	Cause	Remedy
509	PERMIT CV QUE is err at condition file6.	Setting error	Check PERMIT CV QUE at condition file6.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 5022: CONVEYOR POSITION LIMIT

Correct pos is limit over (21M).

Sub Code	Meaning	Cause	Remedy
	Correct pos is limit over (21M) at condition file. Sub Code : Alarm occurred conveyor condition file No	Synchronization section error	Check the synchronized move at condition file, or check parameter auto cvque dis (SxE40). Correct pos is not updated after alarm is occurred, so Synchronized move is not done, and move at correct pos at alarm is occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 5023: CONVEYOR COUNTER LIMIT

The conveyor position counter pulse overflow.

Sub Code	Meaning	Cause	Remedy
	Curr pos is over at condition file. Sub Code : Alarm occurred conveyor condition file No	Setting error	Check the POS RESOLUTION or synchronized move at condition file. Correct pos is not updated after alarm is occurred, so Synchronized move is not done, and move at correct pos at alarm is occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 5024: SETUP ERROR(CV COND SUPP. FILE)

The setting of CONVEYOR CONDITION SUPPORT FILE is not correct.

Sub Code	Meaning	Cause	Remedy
		Setting error	Check the settings for LS and shift distance in the conveyor condition support file. If the same LS is used, set the same shift disance in each condition file.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 5070: WORK IN/NOT DATA OVER FLOW

The WORK IN/NOT shift data overflow

Sub Code	Meaning	Cause	Remedy
		Data error	Check the shift data and the actual workpiece status. If any inconsistency is found, delete the shift data and prepare newly the shift data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 5071: WORK ID. DATA OVER FLOW

WORK ID shift data overflow

Sub Code	Meaning	Cause	Remedy
		Data error	Check the shift data and the actual workpiece status. If any inconsistency is found, delete the shift data and prepare newly the shift data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 5072: START SHIFT DATA OVER FLOW

Start shift data overflow

Sub Code	Meaning	Cause	Remedy
		Data error	Check the shift data and the actual workpiece status. If any inconsistency is found, delete the shift data and prepare newly the shift data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 5073: TRACKING AREA DATA OVER FLOW

Shift section data overflow

Sub Code	Meaning	Cause	Remedy
		Data error	Check the tracking area data in the synchronized section and the actual workpiece status. If any inconsistency is found, delete the shift data in the synchronized section and prepare newly the shift data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 5075: ENCODER STOP ERROR(CONVEYOR)

The encoder was not in suspend status when the control power supply was turned ON.

Sub Code	Meaning	Cause	Remedy
		Data error	Check the shift data and the actual workpiece status. If any inconsistency is found, delete the shift data and prepare newly the shift data.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 5076: TRACK AREA IN/NOT DATA POS LMT

The WORK IN/NOT data of the first workpiece in the synchronized section exceeds the preset value.

Sub Code	Meaning	Cause	Remedy
		Data error	Delete the WORK IN/NOT data in the synchronized section.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 5077: TRACKING AREA ID DATA POS LMT

The WORK ID data of the first workpiece in the synchronized section exceeds the preset value.

Sub Code	Meaning	Cause	Remedy
		Data error	Delete the WORK ID data in the synchronized section.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 5078: CVQUE can’t exec. under tracking

CVQUE exec. under tracking.

Sub Code	Meaning	Cause	Remedy
		Setting error	Check the JOB.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 5130: NT112B_M3 COMM ERROR

An error occurred in the MIII communication of the NT112B board.

Sub Code	Meaning	Cause	Remedy
FFFFFFFF	There are slave stations with incomplete transmission delay time calculation.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
FFFFFFFE	An error was detected with the error status of the ASIC.	Setting error	1. Check whether the IO size and address setting match the settings of the master PLC. 2. Turn the power OFF then back ON. 3. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
		NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
FFFFFFFD	An error occurred in the SRAM read / write check.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board

5130: NT112B_M3 COMM ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
00001000	Invalid user parameter is set.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
00001004	Request size is over.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
00001005	Invalid HostIF pointer is set.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board

5130: NT112B_M3 COMM ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
00001006	RAM size is over.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
0000100B	Sequence is incorrect.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
0000100C	The setting of the slave axis number is abnormal.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board

5130: NT112B_M3 COMM ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
0000100D	IO map size is abnormal.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
0000101E	Station number is invalid.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
0000101F	Request size is invalid.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board

5130: NT112B_M3 COMM ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
00001020	Size is invalid.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
00001021	FTYPE is invalid.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
00001030	Message abort is occurred.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board

5130: NT112B_M3 COMM ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
00001031	Message overflow is occurred.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
00001032	Message data was sent during the request.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
00001033	Request message size is abnormal.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board

5130: NT112B_M3 COMM ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
00001034	Message data was received during the request.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
00001037	Message underflow is occurred.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
00001038	Message split over is occurred.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board

5130: NT112B_M3 COMM ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
00002010	ASIC reset error is occurred.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
00002029	Global frame is unreceived.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
00003001	MODE register setting request is unfinished.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board

5130: NT112B_M3 COMM ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
00003002	User parameter setting request is unfinished.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
00003008	Synchronous communication start request is unfinished.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
00003009	Asynchronous communication start request is unfinished.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board

5130: NT112B_M3 COMM ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
0000301A	Response buffer switch is unfinished.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
0000301C	Command buffer switch is unfinished.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
00003035	Abort message is occued.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board

5130: NT112B_M3 COMM ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
00003036	Busy message is occued.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 5131: NT112B BOARD ERROR

An error occurred in the NT112B board.

Sub Code	Meaning	Cause	Remedy
00000001	The version of JL - 086A of NT112B board does not match.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

5131: NT112B BOARD ERROR (continued)

Sub Code	Meaning	Cause	Remedy
00000002	Synchronous circuit initialization error of NT112B board occurred.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
00000004	An automatic update parameter error occurred on the NT112B circuit board.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
00000010	Host processing delay error of NT112B board occurred.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

5131: NT112B BOARD ERROR (continued)

Sub Code	Meaning	Cause	Remedy
00000011	MIII communication error occurred on the NT112B board.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
00000019	Self-diagnostic error of NT112B board occurred.	NT112B board failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Connection failure	1. Turn the power OFF then back ON. 2. If the alarm occurs again, check the connection and insertion of the following cables and connectors. • The cable of NT112B board
		Software operation error occurred	1. Turn the power OFF then back ON. 2. If the alarm occurs again, replace the NT112B board. Save the CMOS.BIN before replace the board to be safe. Replace the NT112B board, and then load the CMOS.BIN saved before alarm occurred.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

1.3 Alarm Number (6000 to 6999)

◆ 6000: SYSTEM ERROR2(PFL)

Process is not performed properly on the ASF04 board.

Sub Code	Meaning	Cause	Remedy
70	Invalid of Axis Speed Monitor Condition File	Setting error	1. Turn the power OFF then back ON. 2. Confirm the Axis Speed Monitor Condition File number 32 is valid. 3. If the alarm occurs again, replace the controller. Save the CMOS.BIN before replacement to be safe.
		Other	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 6001: MUTING ERROR(PFL)

PFL Speed limitation is invalid during PFL muting operation.

Sub Code	Meaning	Cause	Remedy
		Operation mistake	1. Reset alarm. 2. Confirm the robot is crashed. 3. If PFL function is muted, confirm the safety and resume the robot.

◆ 6002: NEAR SINGULARITY(PFL)

On the singularity, 2 or more axes movement is restricted. If 2 or more axes movement is detected on the singularity, this alarm is occurred.

Sub Code	Meaning	Cause	Remedy
		Operation mistake	1. Reset alarm. 2. If the alarm occurs again, confirm if 2 or more axes are moved near singularity in collaborative operation. 3. Confirm if collision occurs. 4. Confirm the safety and resume the robot.

◆ 6003: UNDEFINED SPEED LIMIT(PFL)

Speed limitation is required for collaborative operation. If speed limitation is not set, this alarm is occurred.

Sub Code	Meaning	Cause	Remedy
		Setting error	1. Confirm the setting of speed limit condition file no.31 and 32 in accordance with the manual. 2. Reset alarm. 3. Confirm if collision occurs. 4. Confirm the safety and resume the robot.

◆ 6004: ESCAPE FROM CLAMPING ERROR(PFL)

When clamping is happened, robot moves the any direction which direction decrease the power automatically.
If power is increased greatly during escaping, this alarm is occurred.

Sub Code	Meaning	Cause	Remedy
		Operation mistake	1. Reset alarm. 2. If collision occured, confirm the safety and escape from collision. 3. Confirm if setting of Tool files is correct. 4. Confirm if torque sensor home position is deviated. If it is deviated, set home position again following Collaborative Operation Instructions. 5. If the alarm occurs again, Turn the power OFF then back ON. 6. If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
		Near singularity	If the robot's posture when the alarm occured is near singularity, take the following measures. 1. Reset alarm. 2. Confirm if external force of TCP exceeds external force limits in posture when the alarm occured. If it exceeds, it may be improved by changing to a movement that does not pass the posture. 3. Confirm if external force of TCP exceeds external force limits during operation. 4. If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 6005: EXTERNAL FORCE ERROR(PFL)

Large external force is detected continuously.

Sub Code	Meaning	Cause	Remedy
	Sub Code:alarm occurred axis or direction 1-8: Axis number 9-12: TCP(Resultant,X,Y,Z)	Setting error	1. Reset alarm. 2. If collision occured, confirm the safety and escape from collision. 3. Confirm if setting of Tool files is correct. 4. Confirm the torque sensor home position. And, if home position is diverged, set correct position again following Collaborative Operation Instructions. 5. After home position setting, confirm the movement before operation start.
		Other	1. Turn the power OFF then back ON. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 6008: TRQ SENSOR OVERLOAD

This alarm occurs when torque above the rated is loaded.

Sub Code	Meaning	Cause	Remedy
	Sub Code:Alarm axis is shown.	Torque sensor failure	1. If robot is crashed, confirm the safety and escape from crash. 2. Turn the power OFF then back ON. 3. Confirm the torque sensor home position. And, if home position is diverged, set correct position. 4. After home position setting, confirm the safety before operation start.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 6011: AVOIDANCE FUNC. PARAMETER ERROR

Parameter for avoidance function is wrong.

Sub Code	Meaning	Cause	Remedy
	Subcode: Signifies the error type and the targeted D variable. last 3 digit: D variable's number first digit: erroer types Meaning of error type is as follows. None:Parameter range error 1:Setting of two D variables is wrong. When setting of two D variable is wrong, the younger one is signified as the targeted D variable.	Software operation error occurred	1. Reset the alarm after turn off Servo Power. 2. Check the and correct the D variable settings.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 6012: HAND GUIDING PARAMETER ERROR

Parameter for hund guiding is wrong.

Sub Code	Meaning	Cause	Remedy
	Subcode: Signifies the error type and the targeted D variable. last 3 digit: D variable's number first digit: erroer types Meaning of error type is as follows. None:Parameter range error 1:Setting of two D variables is wrong. When setting of two D variable is wrong, the younger one is signified as the targeted D variable.	Software operation error occurred	1. Reset the alarm. 2. Check the and correct the D variable settings.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 6013: CANNOT START HAND GUIDING(JOINT)

External force is exceeding the allowable value when starting hand guiding.

Sub Code	Meaning	Cause	Remedy
	subcode:The axis that exceeds the allowable value is indicated by a bit. D01:S D02:L D03:U D04:R D05:B D06:T	Operation error	1. Reset the alarm. 2. Reduce the force for the hand guiding when starting.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 6014: CANNOT START HAND GUIDING(XYZ-T)

External force is exceeding the allowable value when starting hand guiding.

Sub Code	Meaning	Cause	Remedy
	subcode:The direction or the axis that exceeds the allowable value is indicated by a bit. D01:X D02:Y D03:Z D04:T	Operation mistake	1. Reset the alarm. 2. Reduce the force for the hand guiding when starting.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 6015: CANNOT START HAND GUIDING(RBT)

External force is exceeding the allowable value when starting hand guiding.

Sub Code	Meaning	Cause	Remedy
	Subcode: The axis that exceeds the allowable value is indicated by a bit. D01 : S D02 : L D03 : U D04 : R D05 : B D06 : T	Operation mistake	1. Reset the alarm. 2. Reduce the force for the hand guiding when starting.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 6016: AVOIDANCE FUNC.RECOVER ERR(IMOV)

Avoidance function has executed during IMOV.

Sub Code	Meaning	Cause	Remedy
		Operation mistake	1. Reset the alarm. 2. Do not execute avoidance function during IMOV.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 6017: HAND GUIDING SUSPEND

Hand guiding function has force-quit.

Sub Code	Meaning	Cause	Remedy
16	Servo power has been turn OFF during escape from clamping.	Operation mistake	Reset the alarm.
17	Hold has requested during escape from clamping.	Operation mistake	Reset the alarm.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 6018: ESCAPE FROM CLAMPING SUSPEND

Escape from clamping function has force-quit.

Sub Code	Meaning	Cause	Remedy
16	Servo power has been turn OFF during escape from clamping.	Operation mistake	Reset the alarm.
17	Hold has requested during escape from clamping.	Operation mistake	Reset the alarm.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 6019: DIRECT TEACHING FAILED

Cannot edit the JOB.

Sub Code	Meaning	Cause	Remedy
16	Cannot edit the prohibited JOB	Operation mistake	Reset the alarm.
64	Cannot edit JOB because edit screen is not active	Operation mistake	Reset the alarm.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 6022: EXTERNAL FORCE ESTIMATION ERROR

External force is exceeding the allowable value when starting controller.

Sub Code	Meaning	Cause	Remedy
	Subcode: The axis that exceeds the allowable value is indicated by a bit. D01:S D02:L D03:U D04:R D05:B D06:T	Sensor error	1. Check if any external force has been applied to the manipulator, such as colliding with the surroundings. 2. Reset the alarm, and confirm the tool file settings (Weight, Unit of centroid position, +-). 3. Confirm the torque sensor home position. And, if home position is diverged, set correct position.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 6023: AVOIDANCE FUNC. ERR(CONV. SYNC)

Avoidance function has used during conveyor synchronized operation.

Sub Code	Meaning	Cause	Remedy
		Operation mistake	1. Reset the alarm. 2. Do not use the avoidance function during conveyor synchronized operation.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 6024: PENDANT COMMUNICATION ERROR

A communication error occurred between the controller and the programming pendant.

Sub Code	Meaning	Cause	Remedy
		-	For the cause and remedy, refer to chapter 13 "Trouble Shooting When Alarm Is Not Displayed" of the YRC1000micro MAINTENANCE MANUAL.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 6036: ROBOT I/F CONNECTION ERROR

An error of communication with the host device using the YERCProfile has occuerred.

Sub Code	Meaning	Cause	Remedy
		Setting error	1. Check the settings of Ethernet for the robot controller. 2. Check whether the host device's power is ON. 3. Check the settings of IP address for the host device.
		Connection failure	1. Reset the alarm. 2. After above operation implementation, If the alarm occurs again, check the connection and inserting state of between the host device and the ACP01-LAN connector.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 6037: MANUAL OPERATION FAILED

An error occurred in manual operation.

Sub Code	Meaning	Cause	Remedy
3	Do not tried to manually operate multiple robots in a coordinated control job.	Operation mistake	1. Reset the alarm. 2. Set R1 and R2 to jobs in different control groups.
		Other	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
	System error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 6038: EXTERNAL FORCE CONTROL FAILED

An error occurred in external force control operation.

Sub Code	Meaning	Cause	Remedy
1	Failed to read the command of SKILLSND.	Setting error	1. Confirm and fix the command of SKILLSND. 2. Confirm and fix the delimiter character between command name and argument.
		Other	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
2	Failed to read the argument of SKILL command.	Setting error	1. This command requires the argument. Set the argument into SKILL command. 2. Confirm and fix the command name of SKILLSND. 3. Confirm and fix the delimiter character between command name and argument.
		Other	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
3	Too many arguments of SKILL command.	Setting error	Decrease the number of arguments of SKILL command.
		Other	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
4	Out of range of argument value.	Setting error	Confirm and fix the value of arguments of SKILL command.
		Other	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
5	Wrong combination about arguments.	Setting error	Confirm and fix the pair of arguments of SKILL command.

6038: EXTERNAL FORCE CONTROL FAILED (continued)

Sub Code	Meaning	Cause	Remedy
		Other	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
	System error	Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

◆ 6060: CANNOT START HAND GUIDING(ROTATE)

External force is exceeding the allowable value when starting hand guiding.

Sub Code	Meaning	Cause	Remedy
	subcode:The direction that exceeds the allowable value is indicated by a bit. D01: Rx D02: Ry D03: Rz	Operation mistake	1. Reset the alarm. 2. Reduce the force for the hand guiding when starting.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 6061: RECONFIGURE TORQUE SENSOR FAILED

An error occurred during reconfigure the torque sensor home position operation.

Sub Code	Meaning	Cause	Remedy
10	Failed to get the current home position.	Operation error	If any incomplete readback files exist, write or discard the files, and then try again.
		Software operation error occurred	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
11	Failed to send the reconfigure data.	Operation error	If any incomplete readback files exist, write or discard the files, and then try again.
		Other	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
12	Failed to get the readback data.	Operation error	1. If opened TORQUE SENSOR ORG POS window, change to other window, and then try again. 2. If any incomplete readback files exist, write or discard the files, and then try again.
		Other	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).

6061: RECONFIGURE TORQUE SENSOR FAILED (continued)

Sub Code	Meaning	Cause	Remedy
13	Failed to write the readback data.	Operation error	1. If opened TORQUE SENSOR ORG POS window, change to other window, and then try again. 2. If any incomplete readback files exist, write or discard the files, and then try again.
		Other	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
23	Failed to cancel procedure.	Other	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
101	Timeout(Confirmation the current data).	Operation error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
102	Timeout(Confirmation the reconfigure data).	Operation error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
103	Timeout(Confirmation and write the readback data).	Operation error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
104	Timeout(Confirmation the complete signal).	Operation error	1. Reset the alarm, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your Yaskawa representative about occurrence status (operating procedure).
255	Software operation failure	Software operation error occurred	1. After reset the alarm, turn the power OFF then back ON, and then try again. 2. If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 6063: TORQUE SENSOR MOTOFIT ERROR

An error occurred in torque sensor MotoFit force control.

Sub Code	Meaning	Cause	Remedy
0	Torque sensor MotoFit force control has executed in near singularity.	Near Singularity	Reset the alarm, and execute force control avoiding singularity.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
1	External force exceeding the threshold has detected in torque sensor MotoFit force control.	Operation mistake	1. Reset the alarm, and avoid external force exceeding the threshold, and execute force control. 2. Confirm the torque sensor home position. And, if home position is diverged, set correct position again following Collaborative Operation Instructions. After home position setting, confirm the movement before operation start.

6063: TORQUE SENSOR MOTOFIT ERROR (continued)

Sub Code	Meaning	Cause	Remedy
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).
2	Changing Tool files during torque sensor MotoFit force control.	Operation mistake	1. Reset the alarm, and set not to change Tool files during force control.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

◆ 6069: ABSOLUTE ACCURACY ERROR

Failed to execute the absolute accuracy.

Sub Code	Meaning	Cause	Remedy
1	Motion control that does not support the ABSAOFF was executed.	Setting error	Please change the job so that ABSAOFF is not executed in motion control that does not support ABSAOFF.
		Other	If the alarm occurs again, save the CMOS.BIN, and then contact your YASKAWA representative about occurrence status (operating procedure).

YRC1000micro

ALARM CODES
(MINOR ALARMS)

For inquiries or after-sales service on this product, contact your local YASKAWA representative as shown below.

YASKAWA ELECTRIC CORPORATION
2-1 Kurosakishiroishi, Yahatanishi-ku, Kitakyushu, 806-0004, Japan
Phone: +81-93-645-7703 Fax: +81-93-645-7802
www.yaskawa.co.jp

YASKAWA AMERICA, INC. (MOTOMAN ROBOTICS DIVISION)
100 Automation Way, Miamisburg, OH 45342, U.S.A.
Phone: +1-937-847-6200 Fax: +1-937-847-6277
www.motoman.com

YASKAWA EUROPE GmbH (ROBOTICS DIVISION)
Yaskawastrasse 1, 85391, Allershausen, Germany
Phone: +49-8166-90-0 Fax: +49-8166-90-103
www.yaskawa.eu.com

YASKAWA NORDIC AB
Verkstadsgatan 2, Box 504, SE-385 25 Torsas, Sweden
Phone: +46-480-417-800 Fax: +46-486-414-10
www.yaskawa.se

YASKAWA ELECTRIC (CHINA) CO., LTD.
22F, One Corporate Avenue, No.222 Hubin Road, Huangpu District, Shanghai 200021, China
Phone: +86-21-5385-2200 Fax: +86-21-5385-3299
www.yaskawa.com.cn

YASKAWA SHOUGANG ROBOT CO., LTD.
No.2 Building, No.6 Rongchang East Street, Beijing E&T Development Area, Beijing 100176, China
Phone: +86-10-6788-2858 Fax: +86-10-6788-2878
www.ysr-motoman.cn

YASKAWA ELECTRIC KOREA CORPORATION
6F, 112, LS-ro, Dongan-gu, Anyang-si, Gyeonggi-do, 14118, Korea
Phone: +82-31-8015-4224 Fax: +82-31-8015-5034
www.yaskawa.co.kr

YASKAWA ELECTRIC TAIWAN CORPORATION
12F, No.207, Sec. 3, Beishin Rd., Shindian District, New Taipei City 23143, Taiwan
Phone: +886-2-8913-1333 Fax: +886-2-8913-1513
www.yaskawa.com.tw

YASKAWA ASIA PACIFIC PTE. LTD.
30A Kallang Place, #06-01, 339213, Singapore
Phone: +65-6282-3003 Fax: +65-6289-3003
www.yaskawa.com.sg

YASKAWA ELECTRIC (THAILAND) CO., LTD.
59, 1st-5th Floor, Flourish Building, Soi Ratchadapisek 18, Ratchadapisek Road, Huaykwang,
Bangkok 10310, Thailand
Phone: +66-2-017-0099 Fax: +66-2-017-0199
www.yaskawa.co.th

PT. YASKAWA ELECTRIC INDONESIA
Secure Building-Gedung B Lantai Dasar & Lantai 1 Jl. Raya Protokol Halim Perdanakusuma,
Jakarta 13610, Indonesia
Phone: +62-21-2982-6470 Fax: +62-21-2982-6471
www.yaskawa.co.id

YASKAWA INDIA PRIVATE LIMITED (ROBOTICS DIVISION)
No.136, Sector-8, Industrial Estate, IMT Manesar, Gurugram, Haryana 122050, India
Phone: +91-124-475-8500
www.yaskawaindia.in

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