Upon receipt of the product and prior to initial operation, read these instructions thoroughly and retain for future reference.

**MOTOMAN INSTRUCTIONS**
- MOTOMAN-□□□ INSTRUCTIONS
- DX200 INSTRUCTIONS
- DX200 OPERATOR’S MANUAL (for each purpose)
- DX200 MAINTENACE MANUAL

The DX200 operator’s manual above corresponds to specific usage. Be sure to use the appropriate manual.

Part Number: 165991-1CD
Revision: 0
MANDATORY

• This manual explains the details on Online Manual Function of the DX200. Read this manual carefully and be sure to understand its contents before handling the DX200.
• General items related to safety are listed in Chapter 1: Safety of the DX200 INSTRUCTIONS. To ensure correct and safe operation, carefully read the DX200 Instructions before reading this manual.

CAUTION

• Some drawings in this manual are shown with the protective covers or shields removed for clarity. Be sure all covers and shields are replaced before operating this product.
• 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. The representatives are listed on the back cover. Be sure to tell the representative the manual number listed on the front cover.
• YASKAWA is not responsible for incidents arising from unauthorized modification of its products. Unauthorized modification voids your product’s warranty.
Notes for Safe Operation

Read this manual carefully before installation, operation, maintenance, or inspection of the DX200.

In this manual, the Notes for Safe Operation are classified as “WARNING”, “CAUTION”, “MANDATORY”, or “PROHIBITED”.

⚠️ WARNING
Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury to personnel.

❗️ CAUTION
Indicates a potentially hazardous situation which, if not avoided, could result in minor or moderate injury to personnel and damage to equipment. It may also be used to alert against unsafe practices.

⚠️ MANDATORY
Always be sure to follow explicitly the items listed under this heading.

🚫 PROHIBITED
Must never be performed.

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

To ensure safe and efficient operation at all times, be sure to follow all instructions, even if not designated as “CAUTION” and “WARNING.”
WARNING

• Before operating the manipulator, check that servo power is turned OFF pressing the emergency stop buttons on the front door of the DX200 and the programming pendant. When the servo power is turned OFF, the SERVO ON LED on the programming pendant is turned OFF.

Injury or damage to machinery may result if the emergency stop circuit cannot stop the manipulator during an emergency. The manipulator should not be used if the emergency stop buttons do not function.

Figure 1: Emergency Stop Button

• Once the emergency stop button is released, clear the cell of all items which could interfere with the operation of the manipulator. Then turn the servo power ON.

Injury may result from unintentional or unexpected manipulator motion.

Figure 2: Release of Emergency Stop

• Observe the following precautions when performing teaching operations within the P-point maximum envelope of the manipulator:
  – View the manipulator from the front whenever possible.
  – Always follow the predetermined operating procedure.
  – Keep in mind the emergency response measures against the manipulator’s unexpected motion toward you.
  – Ensure that you have a safe place to retreat in case of emergency.

Improper or unintended manipulator operation may result in injury.

• Confirm that no person is present in the P-point maximum envelope of the manipulator and that you are in a safe location before:
  – Turning ON the power for the DX200.
  – Moving the manipulator with the programming pendant.
  – Running the system in the check mode.
  – Performing automatic operations.

Injury may result if anyone enters the P-point maximum envelope of the manipulator during operation. Always press an emergency stop button immediately if there is a problem.

The emergency stop buttons are located on the right of front door of the DX200 and the programming pendant.
The MOTOMAN manipulator is the YASKAWA industrial robot product. The manipulator usually consists of the controller, the programming pendant, and supply cables.

In this manual, the equipment is designated as follows.

<table>
<thead>
<tr>
<th>Equipment</th>
<th>Manual Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>DX200 Controller</td>
<td>DX200</td>
</tr>
<tr>
<td>DX200 Programming Pendant</td>
<td>Programming Pendant</td>
</tr>
<tr>
<td>Cable between the manipulator and DX200</td>
<td>Manipulator Cable</td>
</tr>
</tbody>
</table>

**Definition of Terms Used Often in This Manual**

The MOTOMAN manipulator is the YASKAWA industrial robot product. The manipulator usually consists of the controller, the programming pendant, and supply cables.

In this manual, the equipment is designated as follows.
Descriptions of the programming pendant keys, buttons, and displays are shown as follows:

<table>
<thead>
<tr>
<th>Equipment</th>
<th>Manual Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Programming Pendant</td>
<td>Character Keys /Symbol Keys. The keys which have characters or its symbol printed on them are denoted with [ ]. ex. [ENTER]</td>
</tr>
<tr>
<td>Axis Keys /Numeric Keys</td>
<td>[Axis Key] and [Numeric Key] are generic names for the keys for axis operation and number input.</td>
</tr>
<tr>
<td>Keys pressed simultaneously</td>
<td>When two keys are to be pressed simultaneously, the keys are shown with a “+” sign between them, ex. [SHIFT]+[COORD]</td>
</tr>
<tr>
<td>Displays</td>
<td>The menu displayed in the programming pendant is denoted with { }. ex. {JOB}</td>
</tr>
</tbody>
</table>

**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 key 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.
# Table of Contents

1 Online Manual Function ........................................................................................................ 1-1

2 Basic Specification .............................................................................................................. 2-1

3 Start-Up Method of the Online Manual Function ................................................................. 3-1
   3.1 Customaization of Menu Items ...................................................................................... 3-2
      3.1.1 Menu Setting File .................................................................................................. 3-2
      3.1.2 Load the Menu Setting File ................................................................................. 3-5
      3.1.3 Save the Menu Setting File .................................................................................. 3-7
      3.1.4 Delete the Menu Setting File .............................................................................. 3-9
   3.2 Storing Method of the Manual ...................................................................................... 3-11
   3.3 Displaying of Manual List ............................................................................................ 3-12
   3.4 Displaying of User’s Manual ....................................................................................... 3-14
   3.5 Displaying of User’s Manual ....................................................................................... 3-17

4 Display Configuration ....................................................................................................... 4-1

5 Operation Procedure ........................................................................................................ 5-1
   5.1 Viewer Area ............................................................................................................... 5-1
   5.2 Operation Button Area ............................................................................................... 5-2
   5.3 A Table of Contents Dialog ....................................................................................... 5-3
   5.4 Search Dialog ............................................................................................................. 5-3
   5.5 Selecting the File Dialog ............................................................................................ 5-6
   5.6 Specifying the Page Dialog ....................................................................................... 5-6

6 Error Message .................................................................................................................. 6-1
1 Online Manual Function

Online manual function is a function which can display the manual on the programming pendant from a USB device, such as a flash drive or a memory card.

By using this online manual function, it is able to read and confirm the setting of the controller or the operation instructions through the programming pendant. This function also enables to display the manipulator manual and PDF files on the screen which are made by users.
To operate online manual function, store the manuals from the Robot Controller Manuals (CD-ROM) to the USB device or create a YASKAWA file for saving the PDF files in the USB device, and then insert the USB device to the programming pendant.

Refer to DX200 INSTRUCTIONS (165292-1CD) for recommended USB devices. When connect the USB device to the programming pendant, the waterproof function does not perform. Keep connecting the USB device causes a risk of falling off the USB device.

While the online manual function is running, following keys and keys to the online manual function can be used. (Refer to Chapter 5 Operation Procedure on page 5-1)

- Start button
- Hold button
- Emergency stop
- Mode key
- Enable switch

Because of the limitation of the keys which show above, the manipulator operation (JOG operation) at the teach mode cannot be performed. The manipulator will stop when trying to perform the online manual function during the operation.

The termination of the online manual function enables to use keys. Please do not terminate the online manual function while pressing the axis operation key. It may cause danger.

Even though playback continues as valid (S2C437=), playback continuing display does not appear during the online manual function operation. It will appear when the online manual function operation is terminated.

Use a font-embed PDF file when using the online manual function. A PDF file would not be displayed properly in case the PDF file is created before fonts are embed. To avoid this to happen, embed fonts first, and then create the PDF file. Once fonts are embedded, the fonts data is saved and the file is properly displayed even if the fonts do not exist in the programming pendant system.
# 2 Basic Specification

## Items |

### Manuals
- System MANUALS
  - DX200 INSTRUCTION
  - DX200 OPERATOR’S MANUAL FOR MATERIAL HANDLING, PRESS TENDING, CUTTING, AND OTHER APPLICATIONS
  - DX200 OPERATOR’S MANUAL FOR ARC WELDING
  - DX200 OPERATOR’S MANUAL FOR SPOT WELDING USING MOTOR GUN
  - DX200 OPERATOR’S MANUAL FOR SPOT WELDING USING AIR GUN
  - DX200 OPERATOR’S MANUAL FOR SPOT AND ARC WELDING USING MOTOR GUN
  - DX200 MAINTENANCE MANUAL
  - DX200 FOR INFORM LANGUAGE
  - DX200 FOR CONCURRENT I/O
- USER’S MANUAL  (PDF files in the YASKAWA folder)
  - Maximum length of PDF file name: 200 characters
  - Maximum capacity of PDF file: 1 GB

## Function
- Operation by keys
  - Switching page
  - Scrolling screen
  - Termination of the online manual function
- Operation by operation buttons
  - Switching page
  - Zoom in / Zoom out
  - Full view
  - Fit width view
  - Termination of the online manual function
- Changing the displayed manual by selecting the files
- Specifying the page or the number of the page
- Searching a text string

> • For each application, the displayed manual may vary. (e.g. When system setting is for the arc welding, the online manual function displays the DX200 operator's manual for arc welding.)
3 Start-Up Method of the Online Manual Function

1. Select {ONLINE MANUAL} under the main menu.
   – On the sub menu, a list of available manuals appears.

   When selecting {USERS MANUAL}, the user’s manual in YASKAWA folder appears.
   Refer to Section 3.4 “Displaying of User’s Manual” on page 3-14 for the details.

   When selecting {MANUAL LIST}, a list of user’s manuals system manuals appears.
   Refer to Section 3.3 “Displaying of Manual List” on page 3-12 for the details.

   When selecting {MENU SETTING}, customizing of the sub menu is executed.
   Refer to Section 3.1 “Customization of Menu Items” on page 3-2 for the details.
3.1 Customization of Menu Items

By customizing the menu items of the online manual function, arbitrary user manual can be easily displayed.

Also, load MENU SETTING file on the programming pendant when customizing the items on the sub menu.

3.1.1 Menu Setting File

Follow the procedures below for creating the menu setting file.

1. Create YASKAWA folder directly under “Removal Disc (USB memory)”.

2. Create ManualMenu.ini; the menu setting file under YASKAWA folder.
3 Start-Up Method of the Online Manual Function

3.1 Customization of Menu Items

Following is an example of the menu setting file.

```
[JAPANESE]
FILE1="Sample.pdf"
MENU="サンプル マニュアル"
FILE2="test.pdf"
MENU2="テスト"
FILE3="Sample.pdf"
MENU3="基本操作"

[ENGLISH]
FILE1="Sample.pdf"
MENU="Sample Manual"
FILE2="test.pdf"
MENU2="Test"
```

<table>
<thead>
<tr>
<th>Setting Item</th>
<th>Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>[XXXXX]</td>
<td>[Language] Specify a language to be displayed on the programming pendant.</td>
</tr>
<tr>
<td></td>
<td>ENGLISH … English</td>
</tr>
<tr>
<td></td>
<td>JAPANESE … Japanese¹</td>
</tr>
<tr>
<td></td>
<td>GERMAN … German¹</td>
</tr>
<tr>
<td></td>
<td>SWEDISH … Swedish¹</td>
</tr>
<tr>
<td></td>
<td>FRENCH … French¹</td>
</tr>
<tr>
<td></td>
<td>FINNISH … Finnish¹</td>
</tr>
<tr>
<td></td>
<td>ITALIAN … Italy¹</td>
</tr>
<tr>
<td></td>
<td>SPANISH … Spanish¹</td>
</tr>
<tr>
<td></td>
<td>HANGUL … Korean¹</td>
</tr>
<tr>
<td></td>
<td>CHINESE … Chinese¹</td>
</tr>
<tr>
<td></td>
<td>TAIWANESE … Taiwanese¹</td>
</tr>
<tr>
<td></td>
<td>CZECH … Czech¹</td>
</tr>
<tr>
<td></td>
<td>POLISH … Polish¹</td>
</tr>
<tr>
<td></td>
<td>RUSSIAN … Russian¹</td>
</tr>
<tr>
<td></td>
<td>THAI … Thai¹</td>
</tr>
<tr>
<td></td>
<td>DUTCH … Dutch¹</td>
</tr>
</tbody>
</table>

FILEXX (XX:1 to16) [File name] Specify a manual name to be displayed when a menu is selected. Restriction: Maximum file name number should be 16. FILEXX and MENUXX are to be displayed together.
### 3 Start-Up Method of the Online Manual Function

#### 3.1 Customization of Menu Items

<table>
<thead>
<tr>
<th>Setting item</th>
<th>Content</th>
</tr>
</thead>
<tbody>
<tr>
<td>MENUXX</td>
<td>[MENU name] Specify a manual name to be displayed on the sub menu. Restriction: Maximum file name number should be 16. Maximum character numbers of the file name should be 24 in one-byte (12 when double-byte). FILEXX and MENUXX are to be displayed together. Use a specified language to avoid character corruption.</td>
</tr>
</tbody>
</table>

1 Available only when the bilingual function is valid.
3.1.2 Load the Menu Setting File

Follow the procedures below when copying the menu setting files in the USB memory to the programming pendant.

1. Select {MENU SETTING} from {ONLINE MANUAL}.
   - Following dialog box appears..

2. Select {Load} button.
   - Confirmation dialog box appears.
3. Select {Yes}.
   – The menu setting files in the USB memory is loaded (over written) to the programming pendant.

After selecting {Yes} on the above mentioned dialog box, following message appears if:

• USB memory is not connected
• there is no YASKAWA folder or menu setting files in the USB
• menu setting file is stored in the wrong place
• the format of the menu setting file is wrong

Of these cases, only when the format of the menu setting file is wrong, the error line number is displayed as below.

4. Select {No}.
   – Confirmation dialog box closes.
3.1.3 Save the Menu Setting File

Follow the procedures below when copying the menu setting files in the programming pendant to the USB memory.

1. Select {MENU SELECT} from {ONLINE MANUAL}.
   - Following dialog box appears..

2. Select {Save} button.
   - Confirmation dialog box appears.
3. Start-Up Method of the Online Manual Function

3.1 Customization of Menu Items

3. Select {Yes}.
   - The menu setting files in the programming pendant is saved (over written) in the USB memory.

After selecting {Yes} on the above mentioned dialog box, following message appears if:

• USB memory is not connected
• there is no menu setting files in the programming pendant

4. Select {No}.
   - Confirmation dialog box closes.
3.1.4 Delete the Menu Setting File

Follow the procedures below when deleting the menu setting file in the programming pendant.

1. Select {MENU SELECT} from {ONLINE MANUAL}
   – Following dialog box appears.

2. Select {Delete} button.
   – Confirmation dialog box appears.
3. Select {Yes}.
   - The menu setting files in the programming pendant are deleted.

   After selecting {Yes} on the above mentioned dialog box, following message appears if the menu setting file is not found in the programming pendant.

4. Select {No}.
   - Confirmation dialog box closes.
3.2 Storing Method of the Manual

The online manual function displays the user’s manuals and system manuals in the USB memory.

Follow the procedures below when storing those manuals in the USB memory.

[Use’s manual]
1. Create YASKAWA folder directly under “Removal Disc (E)” (USB memory).
2. Store the indicated PDF files in the YASKAWA folder.

[System manual]
2. Paste fscommand folder in a directly just under “Removal Disc (E)” (USB memory).
3.3 Displaying of Manual List

Display a list of available manuals.

Follow the procedures below to display the list.

1. Select {MANUAL LIST} from the sub menu of {ONLINE MANUAL}.
   – The online manual function starts up and {Select File} dialog box appears.
   Note: for the details of the dialog above, refer to Section 5.5 “Selecting the File Dialog” on page 5-6.
3.3 Displaying of Manual List

- When selecting a list of manuals, following message appears if:
  - USB memory is not connected
  - there is no YASKAWA folder or PDF files in the USB
  - the PDF file is stored in the wrong place
  - the PDF file cannot be recognized
3.4 Displaying of User’s Manual

Display the user’s manual in the online manual function.

When the sub menu is not customized, follow the procedures below to display the user’s manual.

1. Select {USER’S MANUAL} from the sub menu of {ONLINE MANUAL}.

   The online manual function starts up and the user’s manual previously indicated appears.
   In case when it is indicated first time after the power supply is turned ON, the {Select File} dialog box appears instead.
   And if a previously indicated user’s manual appeared, the “previously displayed page and its magnificatio” is indicated. (It is re-set, when the power is turned OFF and then ON again.)
3.4 Displaying of User's Manual

Follow the procedures below to display the user’s manual in case the sub menu is customized.

Note: The user's manuals are displayed also by pressing (USER'S MANUAL) button.

1. Select the “already set sub menu name” from the sub menu of (ONLINE MANUAL).

The online manual function starts up and set manual appears. In case when it is indicated first time after the power supply is turned ON, “the first page and its magnification 100%” appears instead. And if a previously indicated user’s manual appeared, the “previously displayed page and its magnification” is indicated. (It is re-set, when the power is turned OFF and then ON again.)
When selecting the user's manuals, following message appears if:

- USB memory is not connected
- there is no YASKAWA folder or PDF files in the USB
- the PDF file is stored in the wrong place
- the PDF file cannot be recognized
3.5 Displaying of User's Manual

Display the system manual in the online manual function.

1. Select {MANUAL LIST} from the sub menu of {ONLINE MANUAL}.
   – The online manual function starts up and {Select File} dialog box appears.

2. Select {System} tab in the select file dialog box.

3. Select {PDF file}.
   – Corresponding PDF file appears.
4 Display Configuration

The online manual function display is configured from the following two areas.

- Viewer area
- Operation button area

A. Viewer area
- Displays the manuals.
- By touching the viewer area or pressing the area key to move the focus area can operate the viewer area.
- When the manual do not fit in the viewer area, scroll bars (horizontal/vertical) will appear.
- When the manual fit in the viewer area, scroll bars do not appear.

e.g. Full view


4 Display Configuration

B. Operation button area
Displays the operation buttons.

By touching the operation button area or pressing the area key to move the focus will be able to operate the area.

Displayed buttons turn into the active or inactive by moving the focus area.
e.g. Previous page button

<table>
<thead>
<tr>
<th>Normal Button</th>
<th>Active Button</th>
<th>Inactive Button</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1" alt="Prev Page" /></td>
<td><img src="image2" alt="Prev Page" /></td>
<td><img src="image3" alt="Prev Page" /></td>
</tr>
</tbody>
</table>

There are two operation button lines which can be switched by pressing the switch button.

C. Switch button
Switches to the different display indication.

D. Bookmarks button
Displays the table of contents.
(If there is no table of contents, it will turn the invalid indication.)

E. Prev Page button
Displays the previous page.
(If there is no previous page, it will turn the invalid indication.)

F. Next Page button
Displays the next page.
(If there is no next page, it will turn the invalid indication.)

G. Zoom Out button
Zoom out the display.
25% zoom out for each time. The lowest zoom out is 25%.
(If zoom-out does not work, it will turn the invalid indication.)

H. Zoom In button
Zoom in the display.
25% zoom in for each time. The maximum zoom in is 200%.
(If zoom-in does not work, it will turn the invalid indication.)

I. Find button
Displays the searching dialog.
J. **Close button**  
Terminates the online manual function.

K. **Open button**  
Displays the select file dialog.

L. **First Page button**  
Displays the first page of the manual.  
(When the screen displays the first page already, it will turn the invalid indication.)

M. **Go To Page button**  
Displays the specifying page dialog.

N. **Last Page button**  
Displays the last page of the manual.  
(When the screen displays the last page already, it will turn the invalid indication.)

O. **Fit Page button**  
Displays the full view.

P. **Fit Width button**  
Displays the fit width view.
5 Operation Procedure

5.1 Viewer Area

When the viewer area is active, the following keys can be used.

In order to activate the viewer area, touch the area or move the focus area by pressing the area key .

• [CURSOR] key
  To scroll up, down, left and right in the display when the scroll bar(s) appear(s).
  Touching the scroll bar(s) directory to the display also operate the viewer area.
  Pressing [SHIFT] + [CURSOR] can display the top, down, left and right corner of the screen.

• Page key
  Going to a next page.
  Go to a previous page by pressing the [SHIFT] key + page key .

• Area key
  Move the focus area in the viewer and operation button areas.
5.2 Operation Button Area

Pressing the key when the operation buttons are active or touching on the screen executes the operation.

In order to activate the operation button area, touch the area on the screen or move the focus area by pressing the area key.

- **[CURSOR]** key
  Pressing the up or down cursor key moves the focus area.
  Pressing the left or right cursor key switches the indication of the operation button line.

- **Page key**
  Going to a next page.
  Go to a previous page by pressing the [SHIFT] key + page key.

- **Area key**
  Move the focus area in the viewer and operation button areas.

- **[SELECT] key**
  Executes a command from the active button, and also touching the operation buttons on the screen as well.
5.3 A Table of Contents Dialog

Displays the table of contents of the manual by pressing the {Bookmarks}.

Select the page from the table of contents. Selected page appears by pressing the {OK} in the dialog.

5.4 Search Dialog

Executes searching for a text string in the manual by pressing the {Find}.

For searching the text string, perform the following procedures.
Online Manual Function

5 Operation Procedure
5.4 Search Dialog

1. Press {Keypad} button.
   - Keypad for typing text appears.

2. Type the text.
   - After typing the text string, press {Enter}, and then the text string appears in the dialog.
Online Manual Function

5  Operation Procedure

5.4 Search Dialog

3. Press the {Find} key.

- Searching for the text string is executed.

When the text string is found, it will be displayed in a blue box in the page.

• Searching for the text string may take some time.

• The status of the searching can be checked on the progress bar.
5.5 Selecting the File Dialog

Displays the manual list by pressing the {Open} in the operation button area.
Select the desired PDF file, and press {OK} to display the file.

5.6 Specifying the Page Dialog

Displays the specified page by pressing the {Go To Page} in the operation button area.
For displaying the specified page, operate the following procedures.

1. Press [NUMBER] key(s).
   - Input the numeric character(s) of the desired page by pressing the button.
   To clear the input information, press [SHIFT] key + [DOWN CURSOR] key.
2. Press {JUMP} button.
   Required page will be appear.
# 6 Error Message

If an error occur during the operation, such as a file operation error or a processing error, the online manual function will deliver the following error massages.

When an error massage appears, press (OK) to remove the massage and then take the following actions.

<table>
<thead>
<tr>
<th>Error massage</th>
<th>Corrective Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Failed to open file. Exit the Online Manual.</td>
<td>Check if the USB device is securely connected to the device, there is a manual in the USB device and the manual is saved in the collect area. Refer to Chapter 3 Start-Up Method of the Online Manual Function Confirm all of the above status, and restart the online manual function after fixed the status.</td>
</tr>
<tr>
<td>File was not found. Exit the Online Manual.</td>
<td>Check if the USB device is securely connected to the device, there is a manual in the USB device and the manual is saved in the collect area. Refer to Chapter 3 Start-Up Method of the Online Manual Function on page 3-1 Confirm all of the above status, and restart the online manual function after fixed the status.</td>
</tr>
<tr>
<td>Failed to access file. Exit the Online Manual.</td>
<td>Check if the USB device is securely connected to the device.</td>
</tr>
<tr>
<td>Available memory is low. Exit the Online Manual.</td>
<td>Terminate the other activate applications.</td>
</tr>
<tr>
<td>SDK error occurred. Exit the Online Manual.</td>
<td>An error occurs during the internal processing. Restart the online manual function.</td>
</tr>
<tr>
<td>Switching language failed since the target language file was not found</td>
<td>Store the different manual which is written another language to the USB device. After stored the manual, restart the online manual function, and switch the language.</td>
</tr>
<tr>
<td>Searched string not found.</td>
<td>The text string is not found in this manual.</td>
</tr>
<tr>
<td>Invalid page index.</td>
<td>Type the numerical character from 1 to the last page number.</td>
</tr>
</tbody>
</table>
DX200 OPTIONS
INSTRUCTIONS
FOR ONLINE MANUAL FUNCTION

HEAD OFFICE
2-1 Kurosakishiroishi, Yahatanishi-ku, Kitakyushu 806-0004, Japan
Phone  +81-93-645-7745    Fax  +81-93-645-7746

YASKAWA America Inc. M Robotics Division
100 Automation Way, Miamisburg, OH 45342, U.S.A.
Phone  +1-937-847-6200    Fax  +1-937-847-6277

YASKAWA Nordic AB
Box 504 Verkstadsgatan 2, PO Box 504 SE-385 25 Torsås, Sweden
Phone  +46-480-417-800    Fax  +46-480-414-10

YASKAWA Europe GmbH  Robotics Div.
Yaskawastrasse 1, 85391 Allershausen, Germany
Phone  +49-8166-90-0    Fax  +49-8166-90-103

YASKAWA Electric Korea Co., Ltd
9F, KYOBO Securities Bldg., 26-4, Yeoido-Dong Yeoungunpo-ku, Seoul, Korea
Phone  +82-2-784-7844    Fax  +82-2-784-8495

YASKAWA Electric (Singapore) PTE Ltd.
151 Lorong Chuan, #04-02A, New Tech Park, Singapore 556741
Phone  +65-6282-3003    Fax  +65-6289-3003

YASKAWA Electric (Thailand) Co., Ltd.
252/246, 4th Floor. Muang Thai-Phatra Office Tower II Rachadaphisek Road,
Huaykwang Bangkok, 10320, Thailand
Phone  +66-2-693-2200    Fax  +66-2-693-4200

YASKAWA Shougang Robot Co. Ltd.
1015. Boxuen Rd. Maluwen, Jiading District, Shanghai, China
Phone  +86-21-5950-3521    Fax  +86-21-3878-0651

YASKAWA ELECTRIC CHINA Co., Ltd.
12F Carlton Building, No. 21-42 Huanghe Road, Shanghai 200003, China
Phone  +86-21-5385-2200    Fax  +86-21-5385-3299

YASKAWA Robotics India Ltd.
#426, Udoyog Vihar, Phase IV, Gurgaon, Haryana, India
Phone  +91-124-475-8500    Fax  +91-124-475-8542

Specifications are subject to change without notice
for ongoing product modifications and improvements.