

- 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

MOTOMAN-CSDA10F SUPPLEMENTAL INSTRUCTIONS

TYPE:

YR-CSDA10F-A1A (BIOMEDICAL SPECIFICATION)

Procedures described in this maintenance manual should be carried out by the person who took the maintenance-relevant trainings offered by YASKAWA.

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

MOTOMAN INSTRUCTIONS

MOTOMAN-CSDA10D/CSDA10F INSTRUCTIONS

FS100 INSTRUCTIONS

FS100 OPERATOR'S MANUAL

FS100 MAINTENANCE MANUAL

The FS100 Operator's Manual above corresponds to specific usage.
Be sure to use the appropriate manual.

Please have the following information available when contacting Yaskawa Customer Support:

- System
- Primary Application
- Software Version (*Located on Programming Pendant by selecting: {Main Menu} - {System Info} - {Version}*)
Robot Serial Number (*Located on robot data plate*)
Robot Sales Order Number (*Located on controller data plate*)

Part Number: 185266-1CD

Revision: 0

MANUAL NO.

HW1481699 

1/12

Introduction

This supplementary instruction manual describes how YR-CSDA10F-A1A (hereinafter referred to as CSDA10F-A1A) is different from the YR-CSDA10D/CSDA10F-A10 (hereinafter referred to as CSDA10D/CSDA10F-A10).

Read this supplementary instruction manual thoroughly together with the following instruction manual:

“MOTOMAN-CSDA10D/CSDA10F INSTRUCTIONS”

(Type: YR-CSDA10D/CSDA10F-A10) for standard specification, Manual No. HW1481698)

Points of Differences

The CSDA10F-A1A differs from the CSDA10D/CSDA10F-A10 in the following points:

- Location of internal user I/O wiring harness and air lines (Chapter 7)
- Internal Connections (Chapter 8)
- Recommended Spare Parts (Chapter 10)

The differences are described based on "MOTOMAN-CSDA10D/CSDA10F INSTRUCTIONS" (Manual No.HW1481698). Read this manual thoroughly replacing the subject matters for changes with this supplementary instruction manual.

7 System Application

7.1 Internal User I/O Wiring Harness and Air Lines (Page 7-1)

Because a Internal User I/O Wiring Harness and Air Lines are changed from CSDA10D/CSDA10F-A10, fig. 7-1 "Connectors for Internal User I/O Wiring Harness and Air Line", fig. 7-2 "Details of the Connector Pin Numbers" changes.

Fig. 7-1: Connectors for Internal User I/O Wiring Harness and Air Line

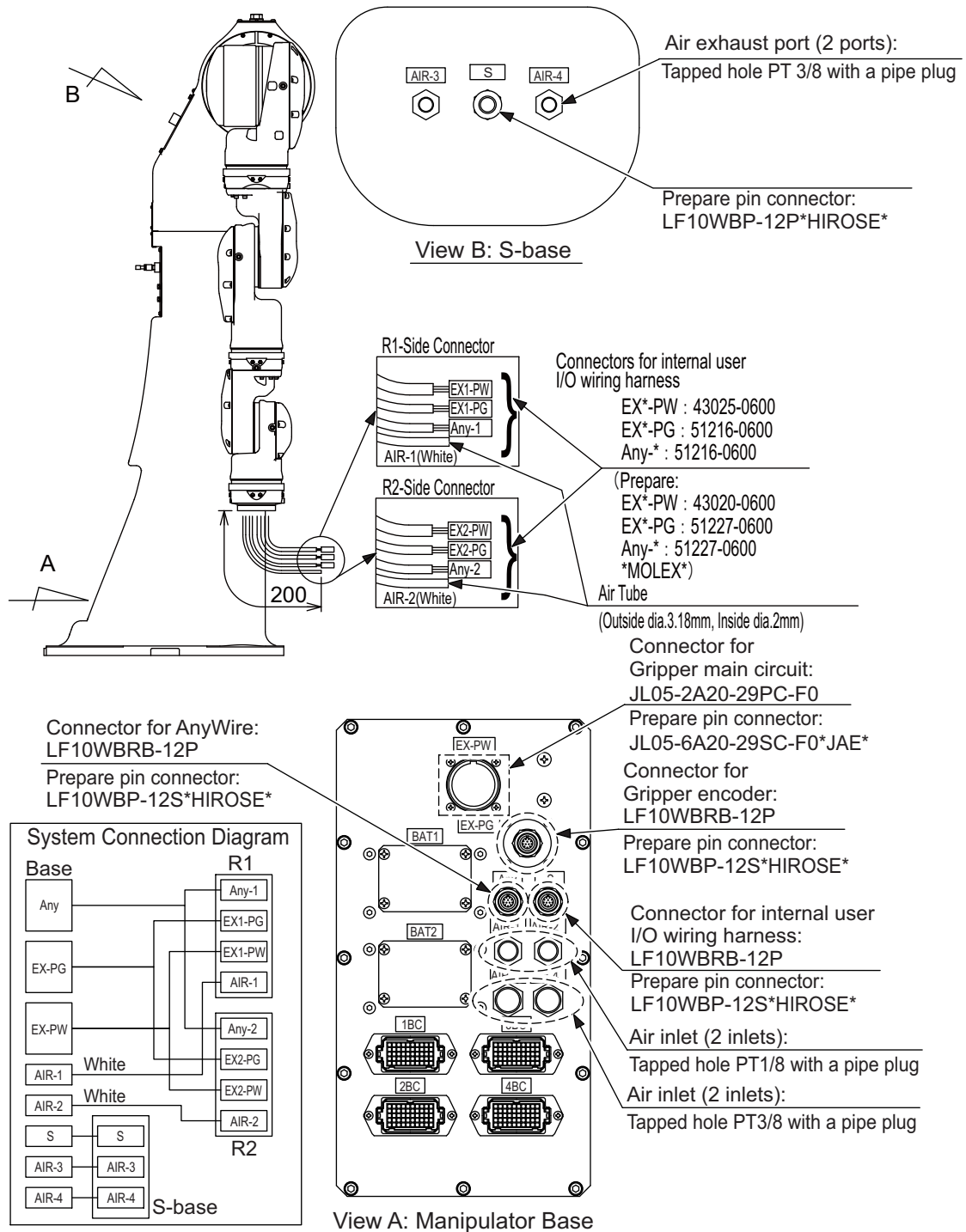
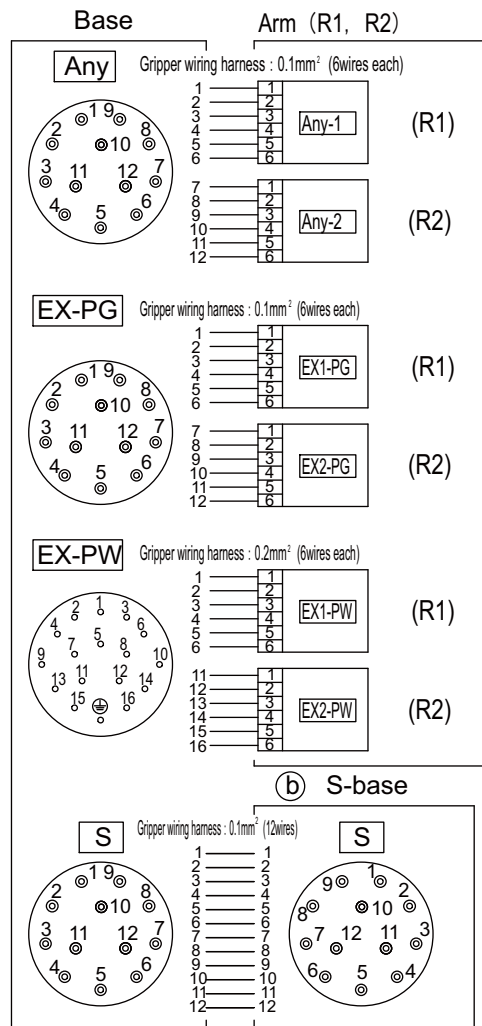


Fig. 7-2: Details of the Connector Pin Numbers



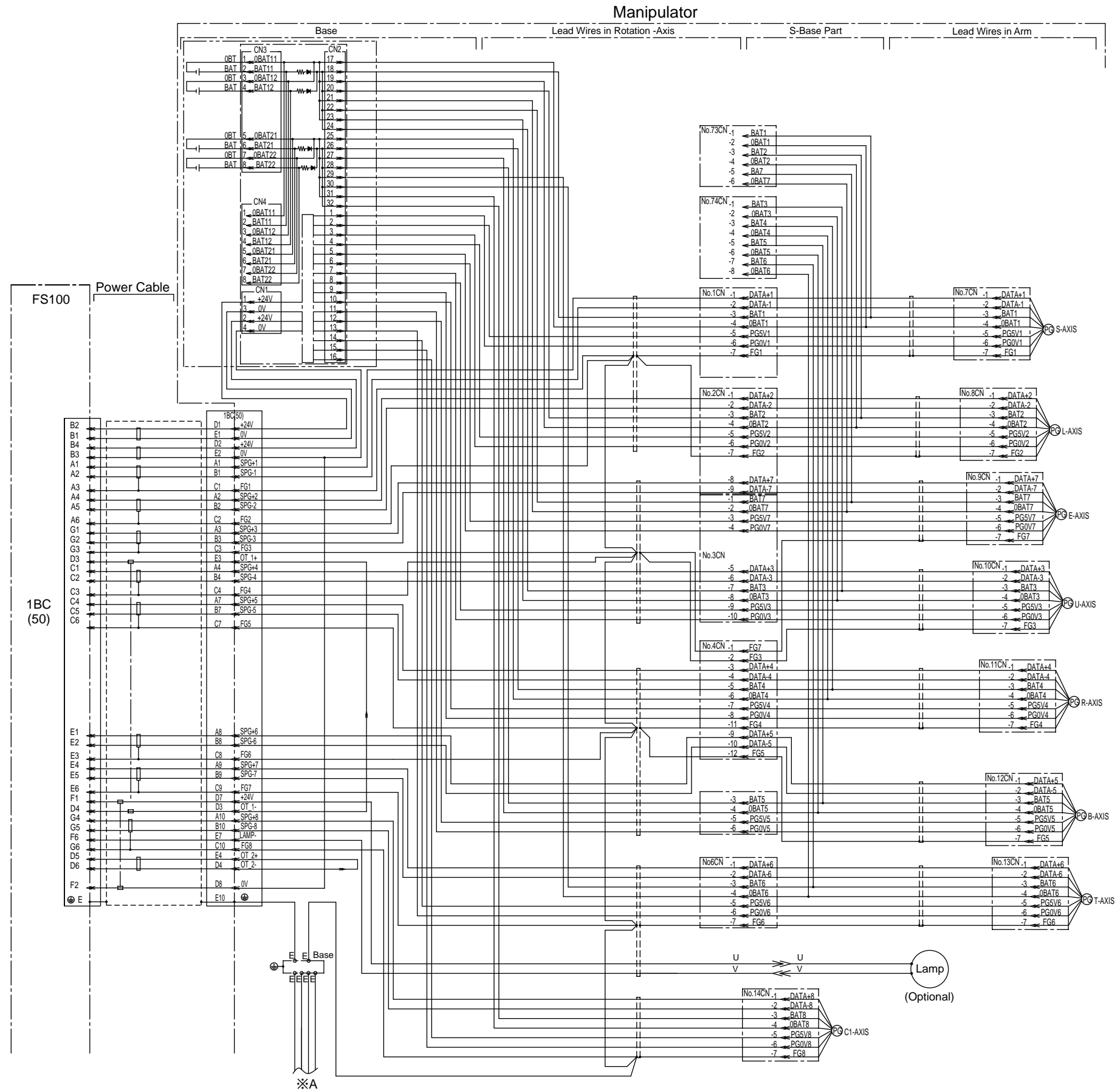
For wirings, refer to *chapter 8.1 "Internal Connections"*.

8 Electrical Equipment Specification

8.1 Internal Connections

Because Cable for outside axes addition, Internal User I/O Wiring Harness is special and Air Lines are changed, *fig. 8-1(a)* and *fig. 8-1(b)* and *fig. 8-1(c)* and *fig. 8-1(d)* are changed, and *fig. 8-1(e)* becomes the addition.

Fig. 8-1(a): Internal Connection Diagram



8 Electrical Equipment Specification

Fig. 8-1(b): Internal Connection Diagram

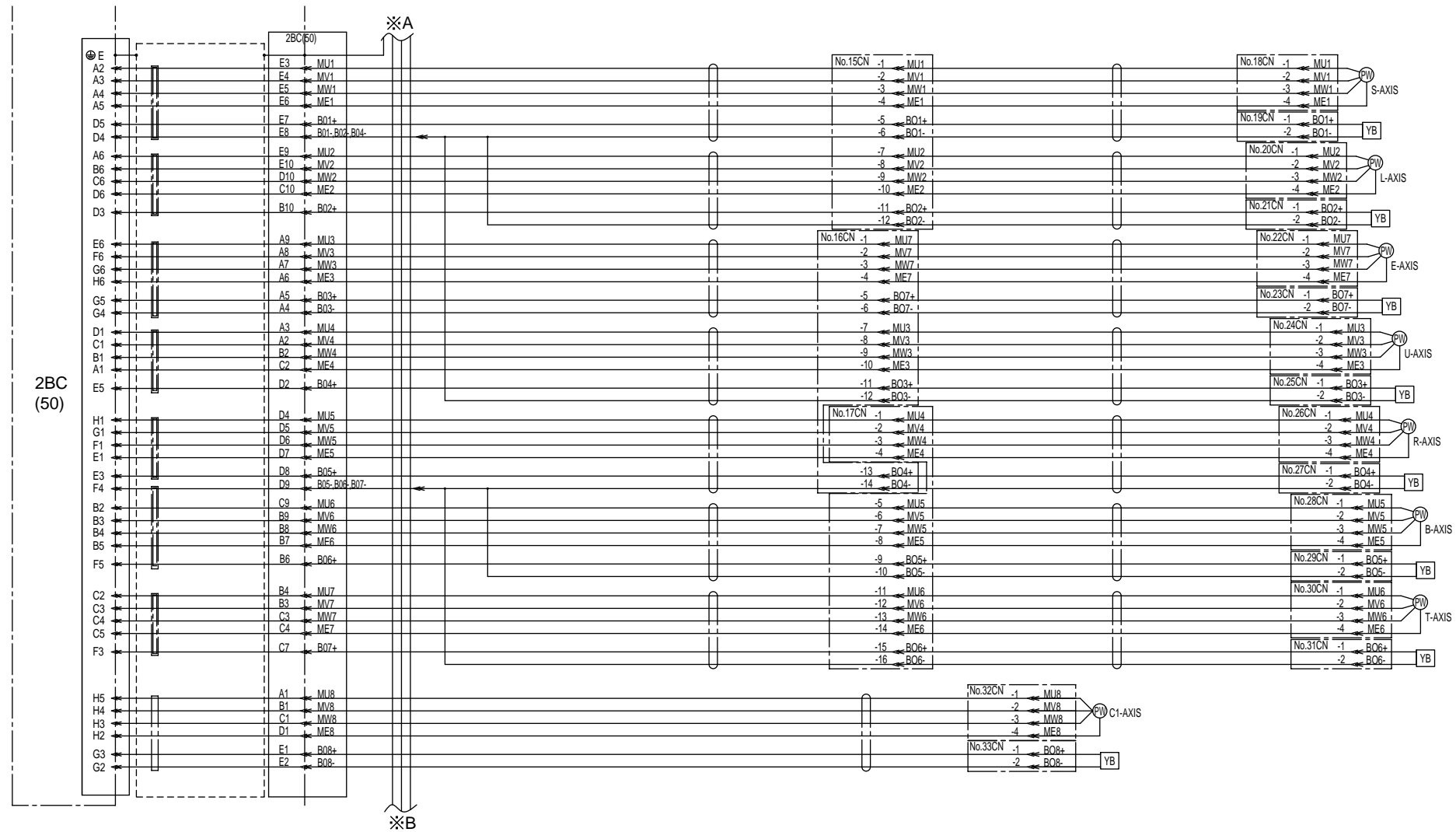


Fig. 8-1(c): Internal Connection Diagram

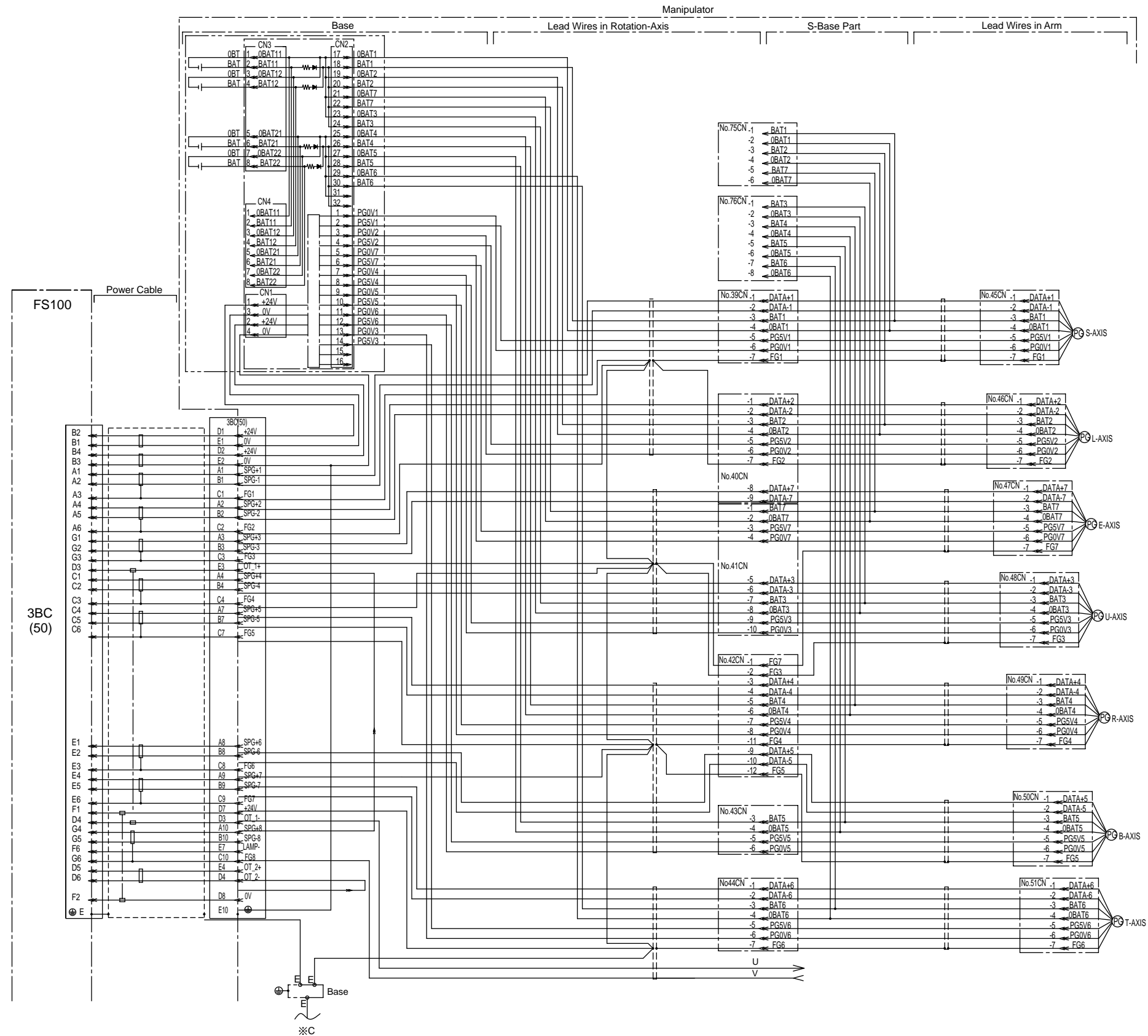


Fig. 8-1(d): Internal Connection Diagram

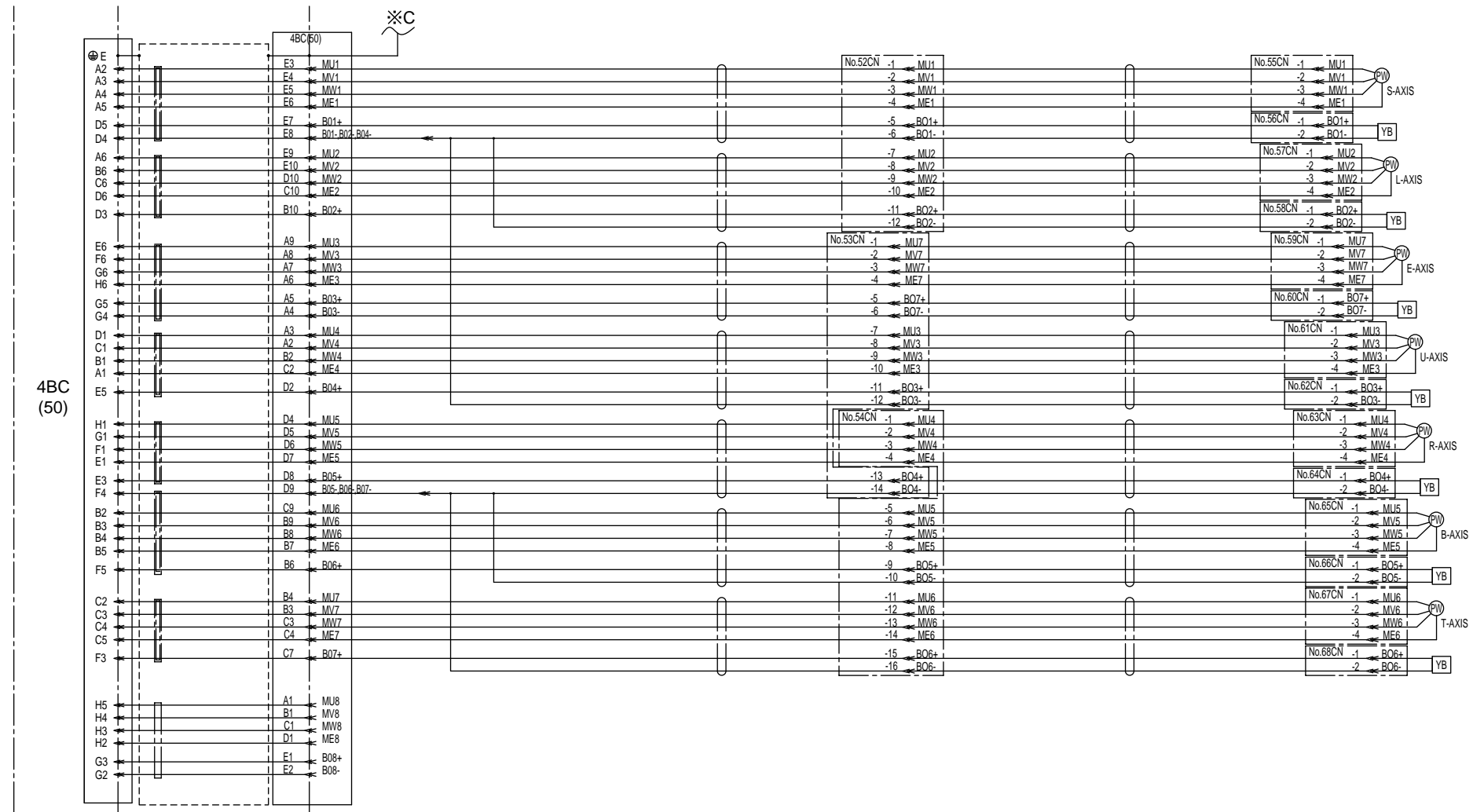
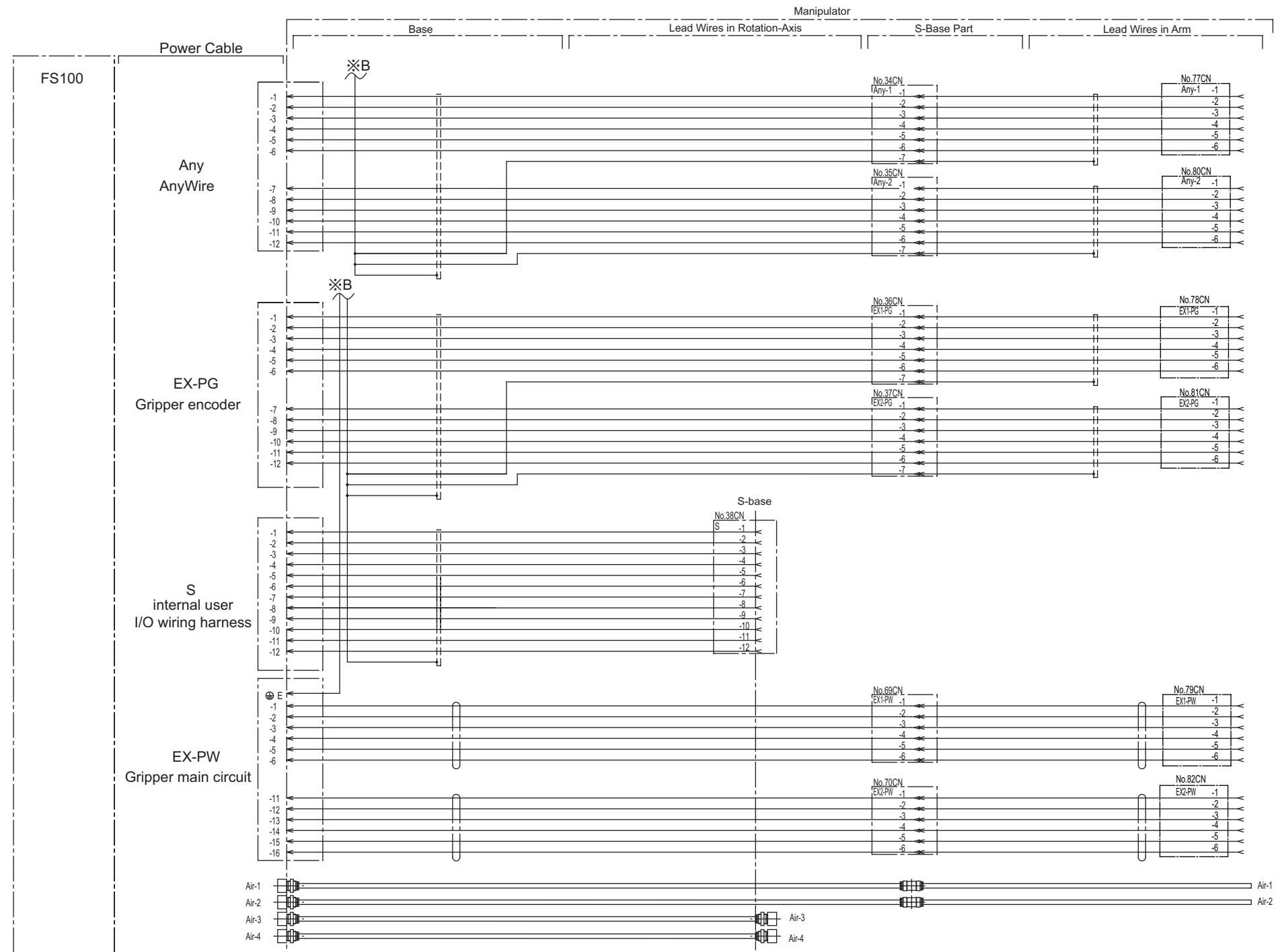


Fig. 8-1(e): Internal Connection Diagram



10 Recommended Spare Parts (page 10-1)

Following items are replaced with CSDA10D/CSDA10F-A10 recommended spare parts.

Table 10-1: Spare Parts for YR-CSDA10D/CSDA10F-A1A (Change point)

Rank	Parts No.	Name	Type	Manufacturer	Qty	Qty per Unit	Remarks
B	5	Arm Unit	HW1382509-C	YASKAWA Electric Corporation	1	2	for R1 and R2
B	6	Wire Harness in Arm for R1	HW1170935-A	YASKAWA Electric Corporation	1	1	
B	7	Wire Harness in Arm for R2	HW1170935-B	YASKAWA Electric Corporation	1	1	
B	8	Wire Harness in Rotation-Axis	HW1170934-C	YASKAWA Electric Corporation	1	1	

MOTOMAN-CSDA10F SUPPLEMENTAL INSTRUCTIONS

HEAD OFFICE

2-1 Kurosakishiroishi, Yahatanishi-ku, Kitakyushu 806-0004, Japan
Phone +81-93-645-7703 Fax +81-93-645-7802

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

YASKAWA Europe GmbH (Robotics Division)
Yaskawastrasse 1, 85391 Allershausen, Germany
Phone +49-8166-90-100 Fax +49-8166-90-103

YASKAWA Nordic AB
Verkstadsgatan 2, Box 504, SE-385 25 Torsås, Sweden
Phone +46-480-417-800 Fax +46-486-414-10

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

YASKAWA SHOUGANG ROBOT Co. Ltd.
No7 Yongchang North Road, Beijing E&T Development Area, China 100176
Phone +86-10-6788-2858 Fax +86-10-6788-2878

YASKAWA India Private Ltd. (Robotics Division)
#426, Udyog Vihar, Phase- IV, Gurgaon, Haryana, India
Phone +91-124-475-8500 Fax +91-124-475-8542

YASKAWA Electric Korea Corporation
35F, Three IFC, 10 Gukjegeumyung-ro, Yeongdeungpo-gu, Seoul, Korea 07326
Phone +82-2-784-7844 Fax +82-2-784-8495

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

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.
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

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 +62-21-2982-6741

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

YASKAWA

YASKAWA ELECTRIC CORPORATION

© Printed in Japan November 2016 13-02

MANUAL NO.

HW1481699 

12/12