FANUC Robotics
R-J3iB Controller
Parts Manual

MARPIBRIA04011E REV. D

B-81506EN/04

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Conventions

This manual includes information essential to the safety of personnel, equipment, software, and data. This information is indicated by headings and boxes in the text.

⚠ WARNING

Information appearing under WARNING concerns the protection of personnel. It is boxed and in bold type to set it apart from other text.

CAUTION

Information appearing under **CAUTION** concerns the protection of equipment, software, and data. It is boxed to set it apart from other text.

NOTE Information appearing next to **NOTE** concerns related information or useful hints.

This manual describes the following product;

Name of product	Abbreviation		Control Unit
FANUC Robot R-2000*i*A/165F	R-2000*i*A/165F	R-2000*i*A	R-J3*i*B
FANUC Robot R-2000*i*A/200F	R-2000*i*A/200F		
FANUC Robot R-2000*i*A/200FO	R-2000*i*A/200FO		
FANUC Robot R-2000*i*A/165R	R-2000*i*A/165R		
FANUC Robot R-2000*i*A/200R	R-2000*i*A/200R		
FANUC Robot R-2000*i*A/125L	R-2000*i*A/125L		
FANUC Robot R-2000*i*A/165CF	R-2000*i*A/165CF		
FANUC Robot R-2000*i*A/200T	R-2000*i*A/200T		
FANUC Robot ARC Mate 100*i*B	ARC Mate 100*i*B		
FANUC Robot ARC Mate 120*i*B	ARC Mate 120*i*B	ARC Mate 120*i*B	
FANUC Robot ARC Mate 120*i*B/10L	ARC Mate 120*i*B/10L		
FANUC Robot ARC Mate 120*i*B/20T	ARC Mate 120*i*B/20T		
FANUC Robot ARC Mate 120*i*B/10LT	ARC Mate 120*i*B/10LT		
FANUC Robot M-6*i*B	M-6*i*B	M-6*i*B	
FANUC Robot M-6*i*B/6C	M-6*i*B/6C		
FANUC Robot M-16*i*B/20	M-16*i*B/20	M-16*i*B	
FANUC Robot M-16*i*B/10L	M-16*i*B/10L		
FANUC Robot M-16*i*B/20T	M-16*i*B/20T		
FANUC Robot M-16*i*B/10LT	M-16*i*B/10LT		
FANUC Robot M-420*i*A	M-420*i*A		
FANUC Robot M-421*i*A	M-421*i*A		
FANUC Robot M-710*i*B/45	M-710*i*B/45	M-710*i*B	
FANUC Robot M-710*i*B/45E	M-710*i*B/45E		
FANUC Robot M-710*i*B/45T	M-710*i*B/45T		
FANUC Robot M-710*i*B/70	M-710*i*B/70		
FANUC Robot M-710*i*B/70T	M-710*i*B/70T		
FANUC Robot M-410*i*B/160	M-410*i*B/160	M-410*i*B	
FANUC Robot M-410*i*B/300	M-410*i*B/300		
FANUC Robot M-410*i*B/450	M-410*i*B/450		
FANUC Robot F-200*i*B	F-200*i*B		
FANUC Robot S-500*i*B	S-500*i*B		
FANUC Robot S-900*i*B/400	S-900*i*B/400	S-900*i*B	
FANUC Robot S-900*i*B/200	S-900*i*B/200		
FANUC Robot S-900*i*B/220L	S-900*i*B/220L		
FANUC Robot LR Mate 200*i*B	LR Mate 200*i*B	LR Mate 200*i*B	
FANUC Robot LR Mate 200*i*B/3L	LR Mate 200*i*B/3L		

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In this manual we have tried as much as possible to describe all the various matters.
However, we cannot describe all the matters which must not be done, or which cannot be done, because there are so many possibilities.
Therefore, matters which are not especially described as possible in this manual should be regarded as "impossible".

CONTENTS

I. HOW TO READ THE PARTS MANUAL

1 HOW TO READ THE PARTS MANUAL 3

1.1 INTRODUCTION 4

1.2 READING PARTS LIST AND ASSEMBLY DRAWINGS 5

II. CONFIGURATION

1 CONFIGURATION 11

III. CONTROL UNIT PARTS LIST AND DRAWING

1 CABINET 20

1.1 A-CABINET 20

1.2 B-CABINET 21

2 BACKPLANE 22

2.1 2-SLOT BACKPLANE 22

2.2 4-SLOT BACKPLANE 23

3 POWER SUPPLY UNIT 24

4 MAIN BOARD 25

5 EMERGENCY STOP UNIT 26

6 PROCESS I/O BOARD 27

6.1 PROCESS I/O CA 27

6.2 PROCESS I/O CB 28

6.3 PROCESS I/O DA 29

6.4 PROCESS I/O EA 30

6.5 PROCESS I/O EB 31

6.6 PROCESS I/O FA 32

6.7 PROCESS I/O GA 33

6.8 PROCESS I/O HA 34

7 6-AXIS SERVO AMPLIFIER 35

8 OPERATION BOX 38

9 OPERATION BOX CABLE 40

10 OPERATOR PANEL 41

11 FUN UNIT 43

11.1 FAN UNIT FOR A-CABINET 43
11.2 FAN UNIT FOR B-CABINET 44

12 BREAKER 45

12.1 BREAKER FOR A-CABINET 45
12.2 BREAKER FOR B-CABINET 45

13 I/O UNIT MODEL A 47

14 TEACH PENDANT 52

14.1 TEACH PENDANT 52
14.2 *i* PENDANT 54

15 TEACH PENDANT CABLE 55

15.1 TEACH PENDANT CABLE FOR A-CABINET 55
15.2 TEACH PENDANT CABEL FOR B-CABINET 55

16 TRANSFORMER 56

16.1 TRANSFORMER FOR A-CABINET 56
16.2 TRANSFORMER FOR B-CABINET 57

17 HOUR METER 58

17.1 HOUR METER FOR A-CABINET 58
17.2 HOUR METER FOR B-CABINET 58

18 ROBOT CONNECTION CABLE / RCC I/F UNIT 59

18.1 ROBOT CONNECTION CABLE FOR A-CABINET 59
18.2 ROBOT CONNECTION CABLE FOR B-CABINET 60

19 DOOR INTERLOCK 62

20 PERIPHERAL DEVICE CONNECTION CABLE 63

20.1 PERIPHERAL DEVICE CONNECTION CABLE FOR A-CABINET 63
20.2 PERIPHERAL DEVICE CONNECTION CABLE FOR B-CABINET 64

21 REGENERATIVE RESISTOR UNIT 65

21.1 REGENERATIVE RESISTOR UNIT FOR A-CABINET 65
21.2 REGENERATIVE RESISTOR UNIT FOR B-CABINET 66

22 FANUC PRINTER 67

23 HANDY FILE..... 68

24 OPTION BOARD 69

I. HOW TO READ THE PARTS MANUAL

1 HOW TO READ THE PARTS MANUAL

1.1 INTRODUCTION

This manual contains parts lists and assembly drawing for the major assembles and subassemblies for the robot. It also contains lists and drawings of small parts such as screws and bolts which are common to the various assemblies and subassemblies.
Instructions for reading the parts lists and assembly drawings appear in para. 1.2. Instructions for reading the small parts lists and drawings are given in para.1.3.

1.2 READING PARTS LIST AND ASSEMBLY DRAWINGS

The parts list identifies the subassemblies and parts for a specific unit or major assembly. The assembly drawing indicates the location at which the parts are installed.
For example, the parts list shown at the next page identifies the major assemblies and parts for the total assembly.This list identifies the major assembly and its specification number. It then shows the item number,qauntity,parts name,specification number and includes any special remarks that will be helpful to the user.

Section A Section B

UNIT	ASSEMBLY NAME	SPECIFICATION
c-1	POWER SUPPLY UNIT	A16B-2203-0370

(1 / 1)

UNIT	NO.	Q'TY	PARTS NAME	SPECIFICATION	PAGE	REMARK
c-1	001	1	FUSE	A60L-0001-0396#8.0A	1	F1(8.0A)
	002	1	FUSE	A60L-0001-0046#7.5	1	F3(7.5A)
	003	1	FUSE	A60L-0001-0046#7.5	1	F4(7.5A)
	004	1	COVER	A230-0587-X007	1	

Section C

Notice that the list in the example shown above has three sections labeled A,B,and C. The information given in these three section is as follows.

1) Section A

UNIT	Unit identification symbol
ASSEMBLY NAME	Name of assembly
SPECIFICATION	The specification number

2) Section B

(/)	The total number of pages in the series in which parts for an assembly are listed and the number of the specific page being read. The example given here(1/1) is page 1 of 1.

3) Section C

UNIT	Unit identification symbol
NO	Serial number of parts
Q'TY	The number of parts used in assembly or subassembly
PARTS NAME	The name of parts
SPECIFICATION	The specification number(part number) Use this number to order the parts
PAGE	The page number of drawing on which parts is identified
REMARKS	Additional information useful to the reader

The relationship between the data in the parts list and that in the illustration is illustlated below

UNIT	ASSEMBLY NAME	SPECIFICATION
c-1	POWER SUPPLY UNIT	A16B-2203-0370

(1 / 1)

UNIT	NO.	Q'TY	PARTS NAME	SPECIFICATION	PAGE	REMARK
c-1	001	1	FUSE	A60L-0001-0396#8.0A	1	F1(8.0A)
	002	1	FUSE	A60L-0001-0046#7.5	1	F3(7.5A)
	003	1	FUSE	A60L-0001-0046#7.5	1	F4(7.5A)
	004	1	COVER	A230-0587-X007	1	

*1

*2

(1 / 1)

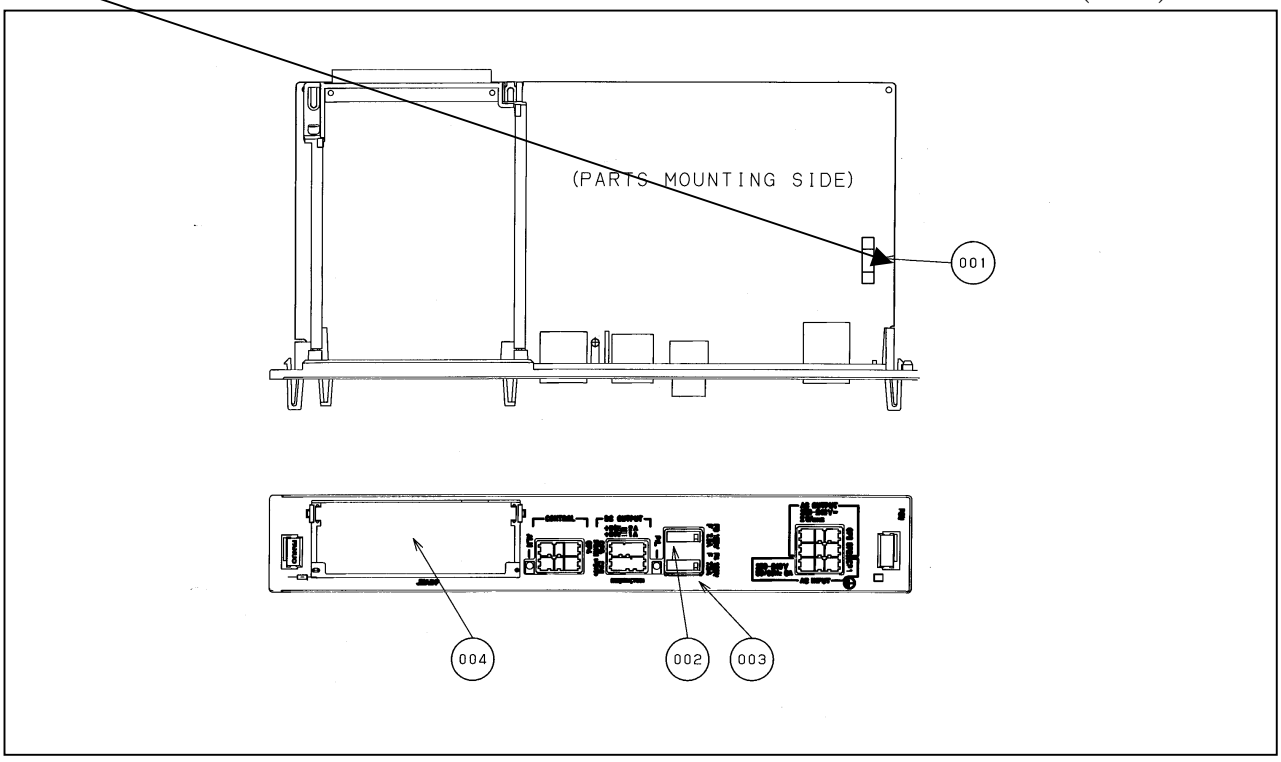


Fig.3. Power supply unit

II. CONFIGURATION

1 CONFIGURATION

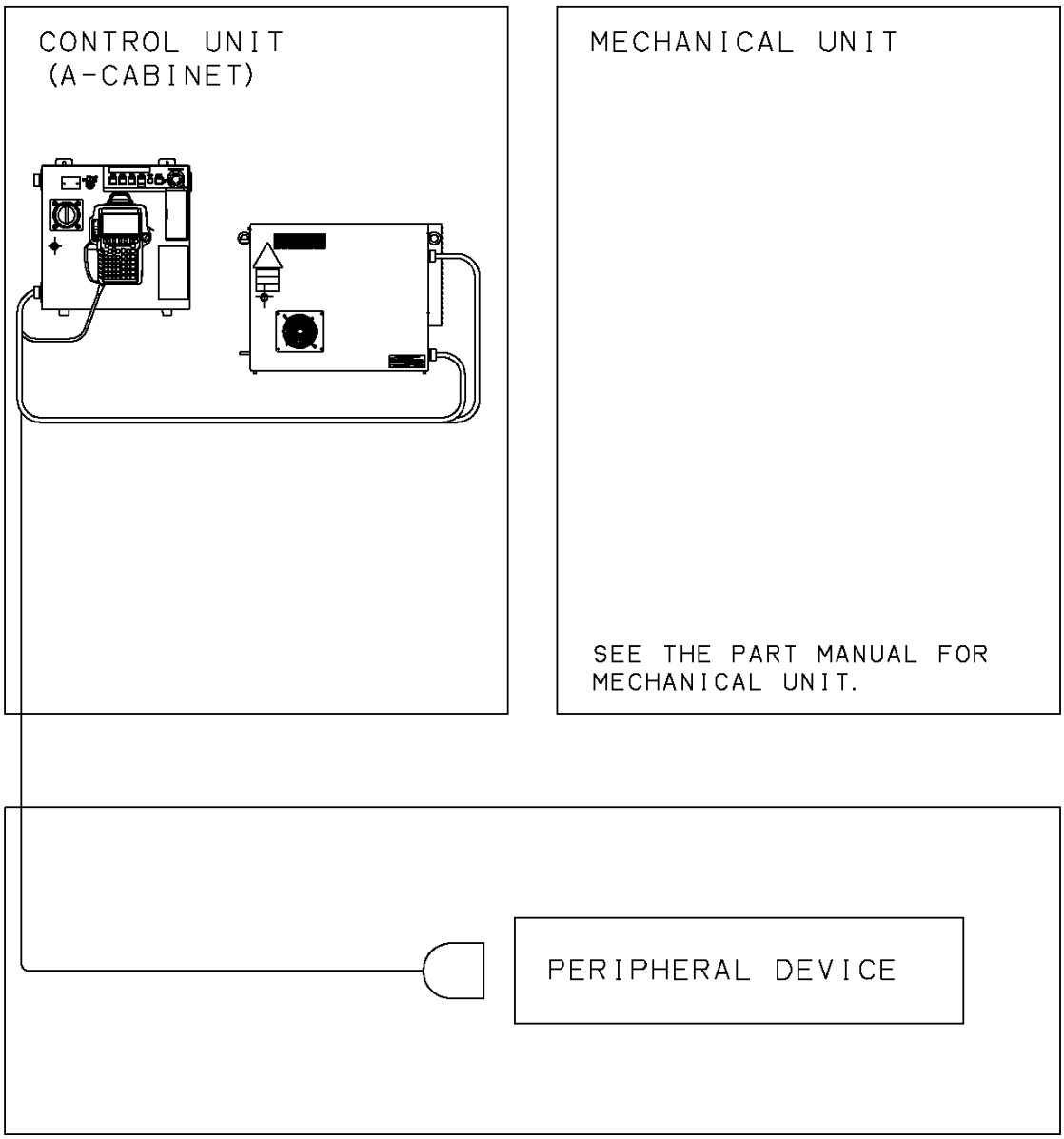


Fig.1.1. FANUC ROBOT (A-CABINET) CONFIGURATION

Control unit parts list and drawing
→ Section III

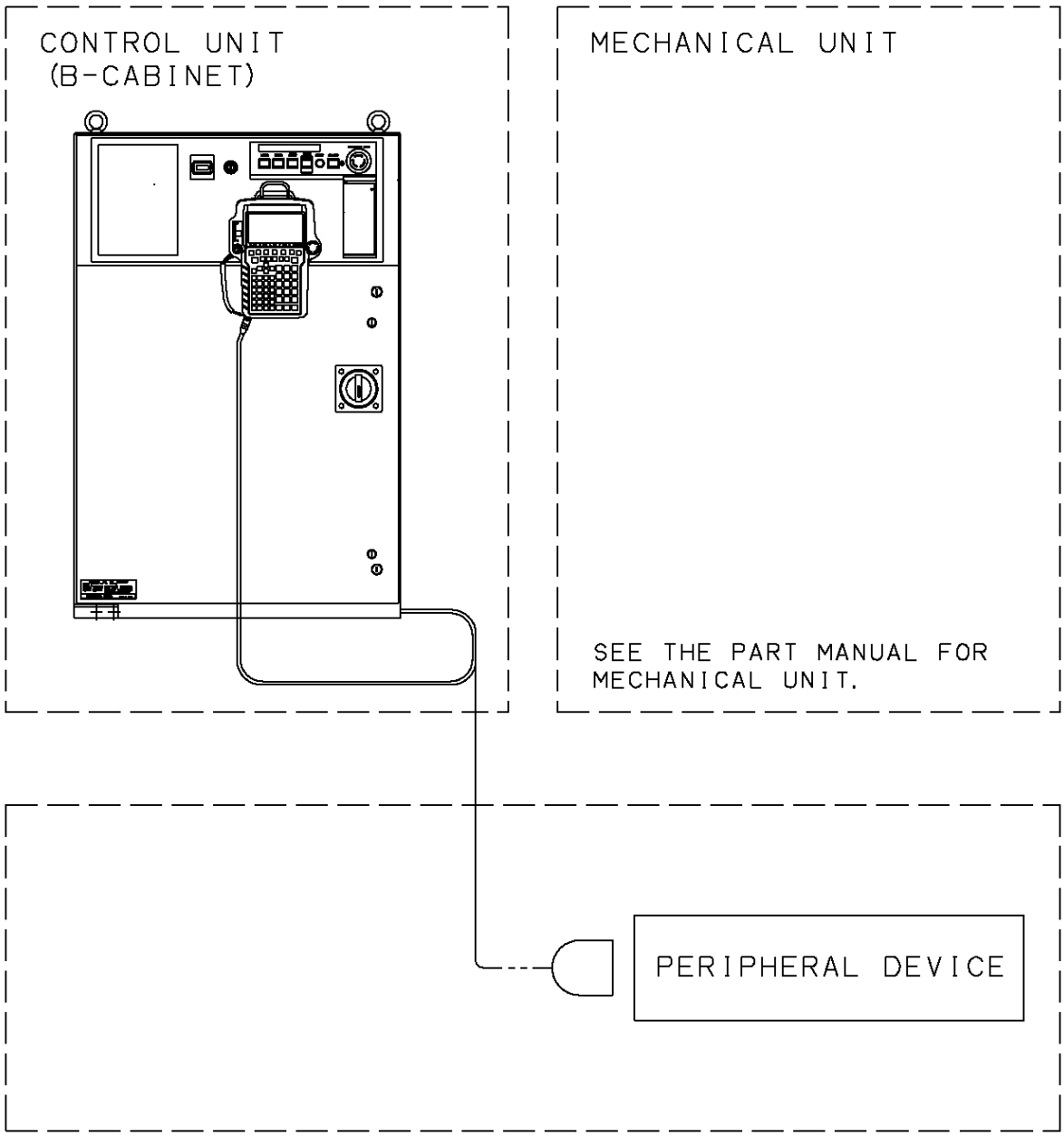
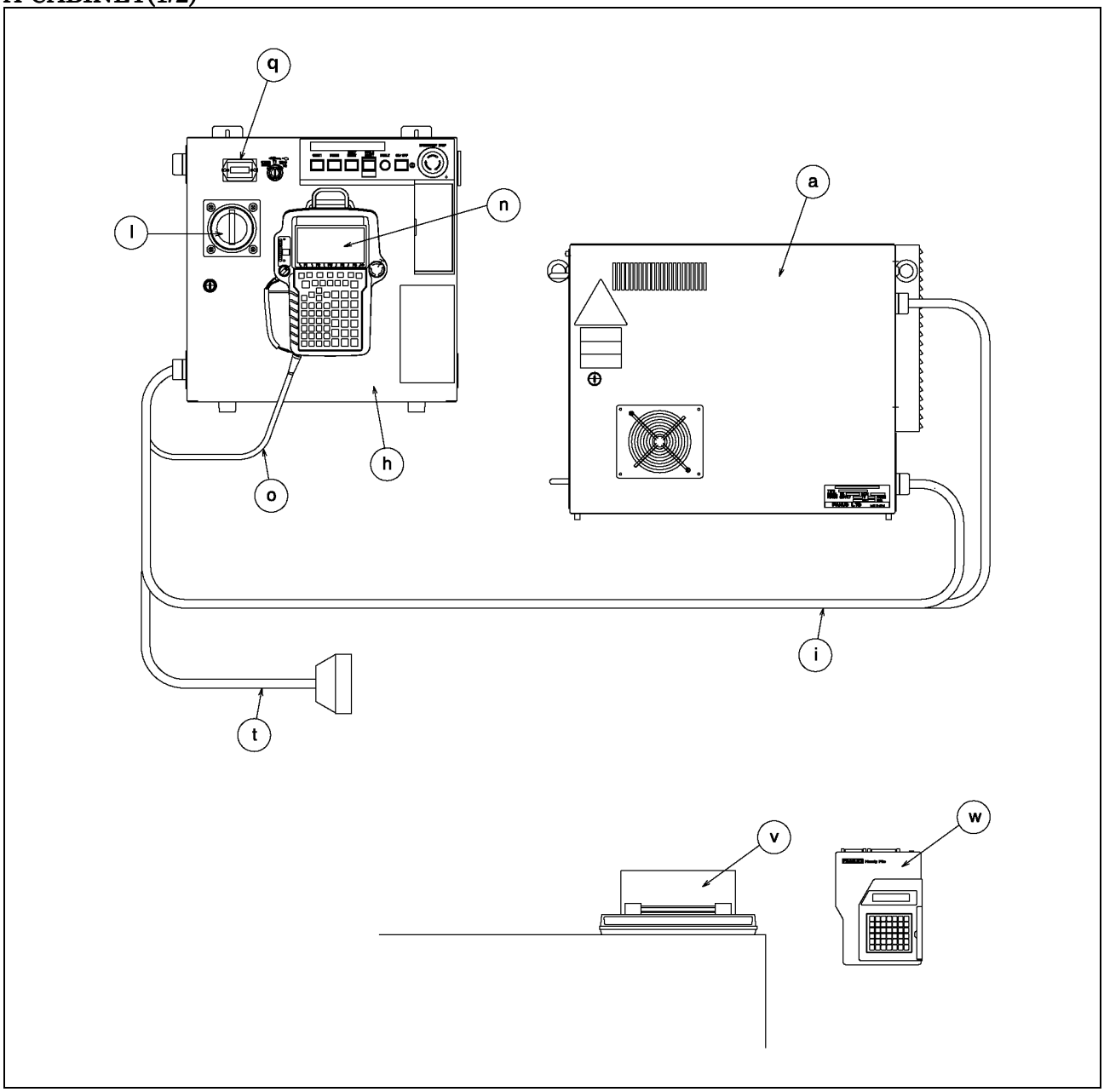


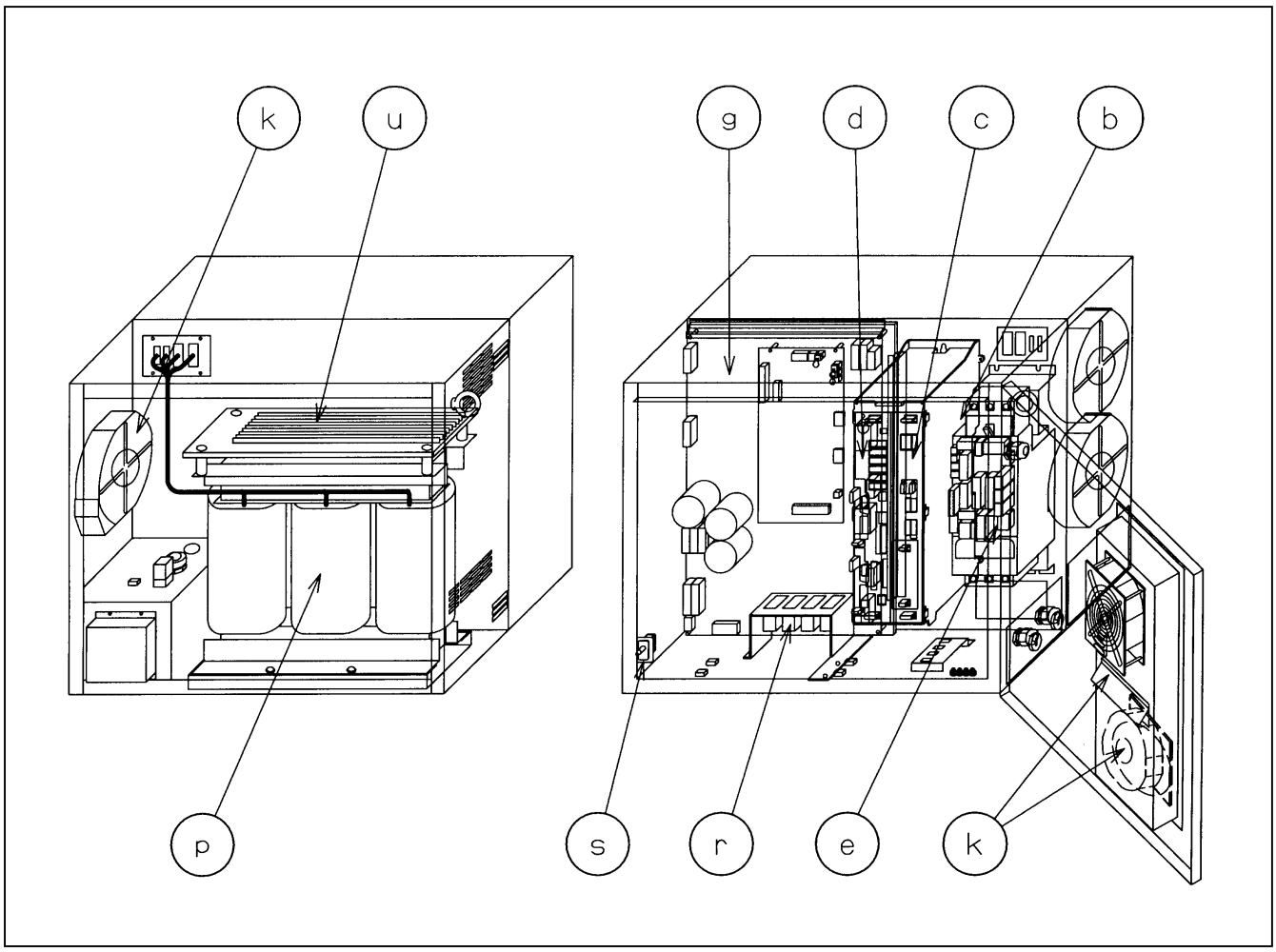
Fig.1.2. FANUC ROBOT (B-CABINET) CONFIGURATION

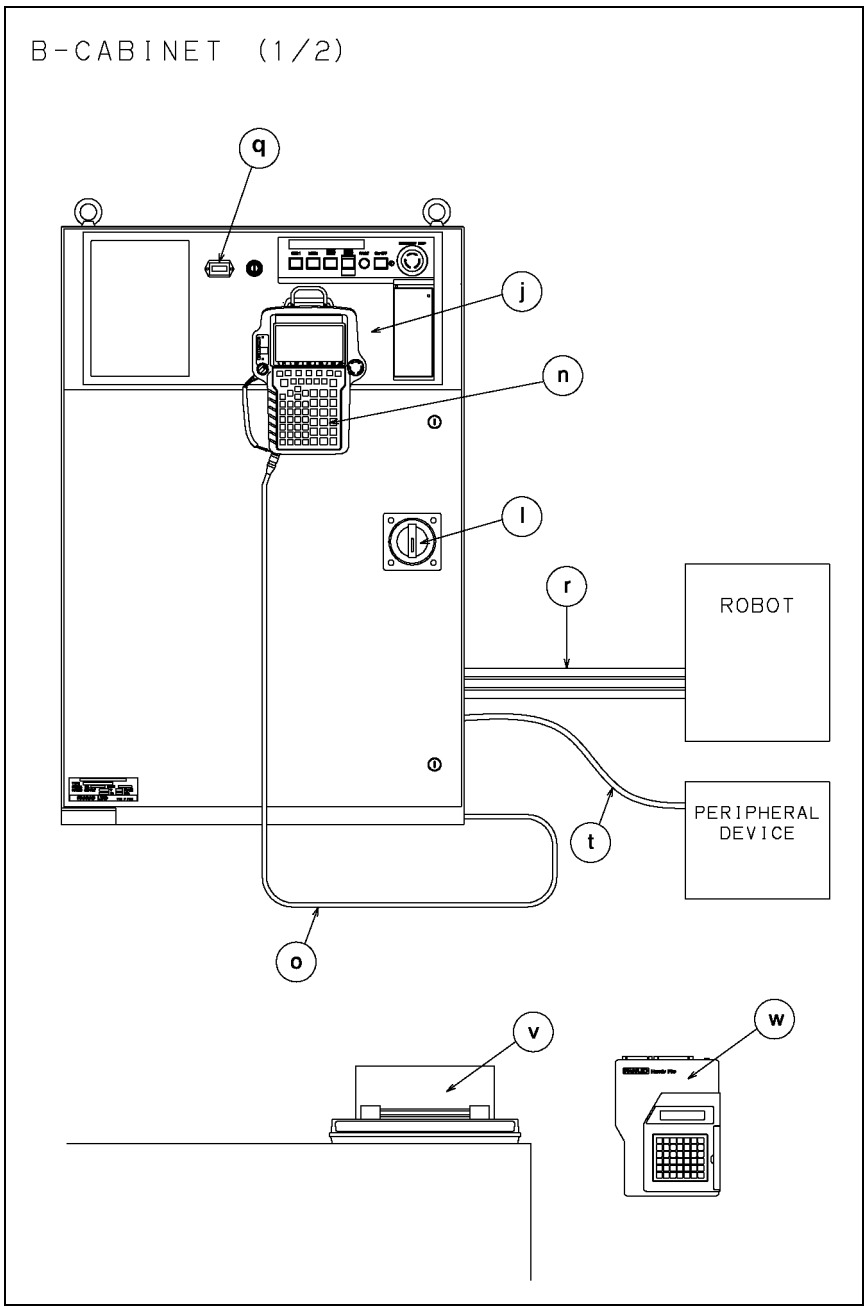
Control unit parts list and drawing
→ Section III

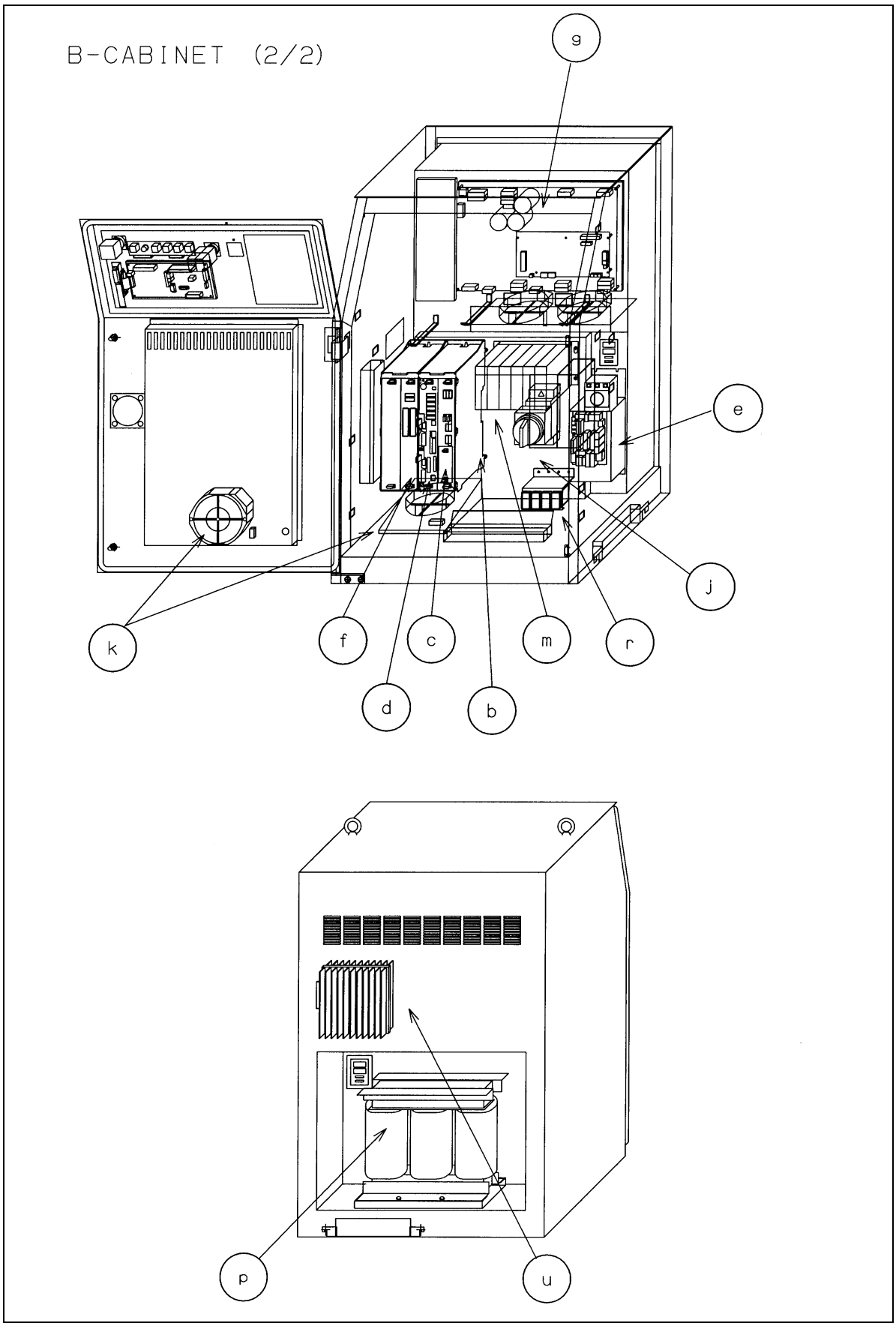
A-CABINET(1/2)



A-CABINET(2/2)




B-CABINET (1/2)
q
j
n
l
r
ROBOT
PERIPHERAL DEVICE
t
o
v
w


B-CABINET (2/2)
g
e
j
k
f
c
m
r
d
b
p
u

III. CONTROL UNIT PARTS LIST AND DRAWING

ITEM	REFERENCE ITEM	ASSEMBLY NAME
a	1	CABINET
b	2	BACKPLANE
c	3	POWER SUPPLY UNIT
d	4	MAIN CPU BOARD
e	5	EMERGENCY STOP UNIT
f	6	PROCESS I/O BOARD
g	7	6-AXIS SERVO AMPLIFIER
h	8	OPERATION BOX
i	9	OPERATION BOX CABLE
j	10	OPERATOR PANEL
k	11	FAN UNIT
l	12	BREAKER
m	13	I/O UNIT MODEL A
n	14	TEACH PENDANT / *i* PENDANT
o	15	TEACH PENDANT CABLE
p	16	TRANSFORMER
q	17	HOUR METER
r	18	ROBOT CONNECTION CABLE / RCC I/F UNIT
s	19	DOOR INTERLOCK
t	20	PEREPHERAL DEVICE CONNECTION CABLE
u	21	REGENERATIVE RESISTOR UNIT
v	22	FANUC PRINTER
w	23	HANDY FILE
x	24	OPTION BOARD

1 CABINET

1.1 A-CABINET

UNIT	ASSEMBLY NAME	SPECIFICATION
a-1	A-CABINET	A230-0609-T001

(1 / 1)

UNIT	NO.	Q'TY	PARTS NAME	SPECIFICATION	PAGE	REMARK
a-1	001	1	CABINET	A230-0609-T001	1	
	002a	1	PACKING	A230-0585-X082	1	INTEGRATED
	002b			A230-0585-X083	1	STAND ALONE
	003	1	COVER PLATE	A230-0540-X033	1	STAND ALONE
	004	1	LOUVER	A230-0596-X018	1	
	005	1	MOUNTING PLATE FOR SERVO AMPLIFIER	A230-0609-V006	1	

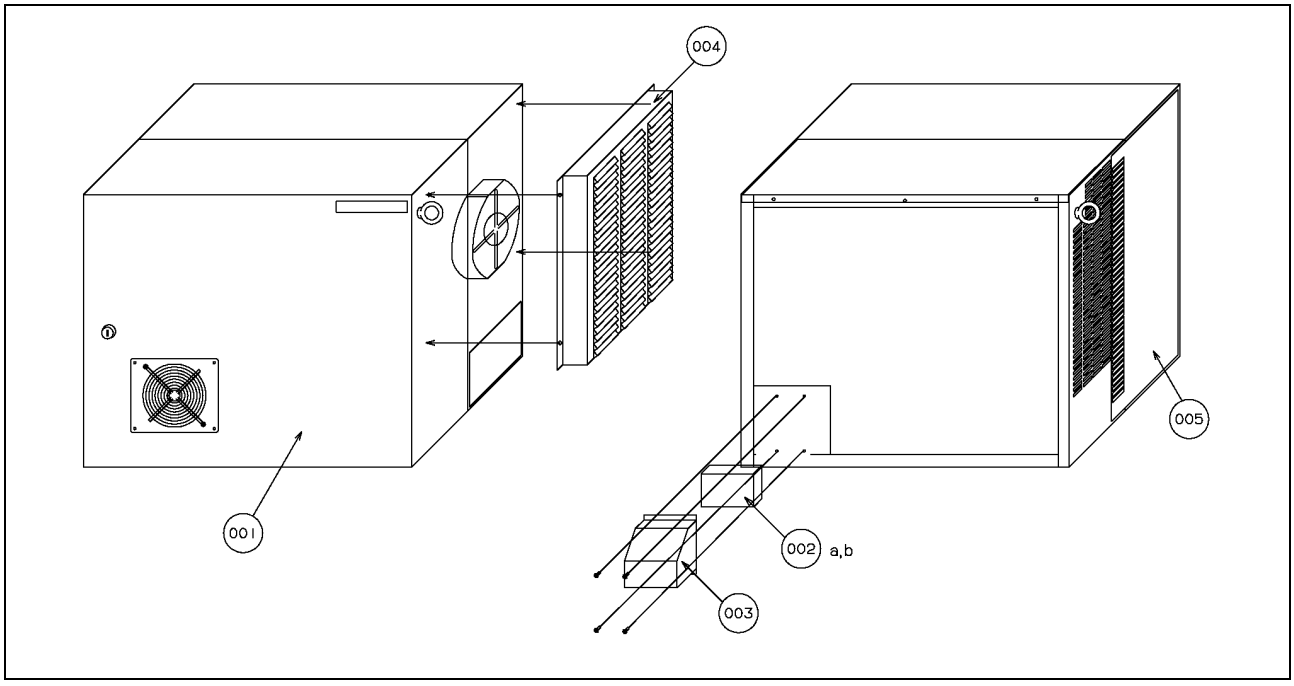


Fig.1.1 A-CABINET

1.2 B-CABINET

UNIT	ASSEMBLY NAME	SPECIFICATION
a-2	B-CABINET	A210-0420-T001 A210-0420-T002

(1 / 1)

UNIT	NO.	Q'TY	PARTS NAME	SPECIFICATION	PAGE	REMARK
a-2	001a	1	CABINET	A210-0420-T001	1	FANUC KEY TYPE
	001b			A210-0420-T002	1	"-" KEY TYPE

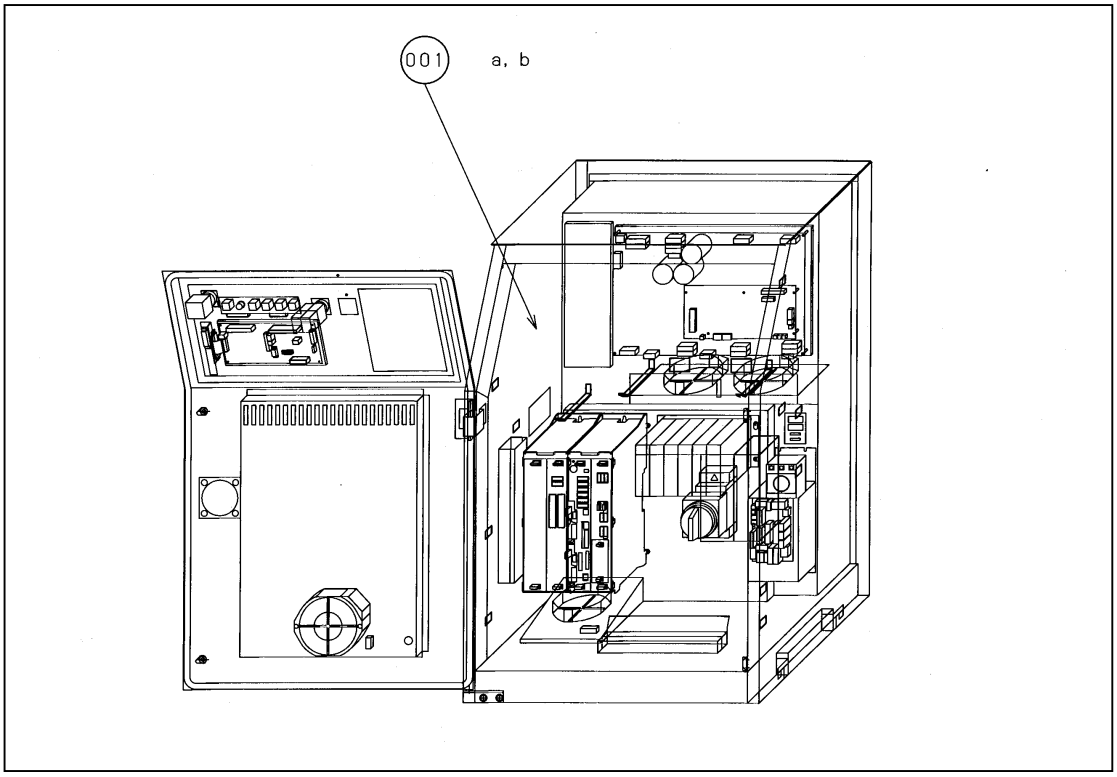


Fig.1.2 B-CABINET

2 BACKPLANE

2.1 2-SLOT BACKPLANE

UNIT	ASSEMBLY NAME	SPECIFICATION
b-1	2-SLOT BACKPLANE	A05B-2400-C060

(1 / 1)

UNIT	NO.	Q'TY	PARTS NAME	SPECIFICATION	PAGE	REMARK
b-1	001	1	BACKPLANE PCB	A20B-2002-0771	1	
	002	1	FAN MOTOR	A02B-0260-C021	1	
	003	1	CASE	A230-0587-X001	1	
	004	2	RAIL	A230-0587-X008	1	
	005	2	COVER	A230-0587-X017	1	

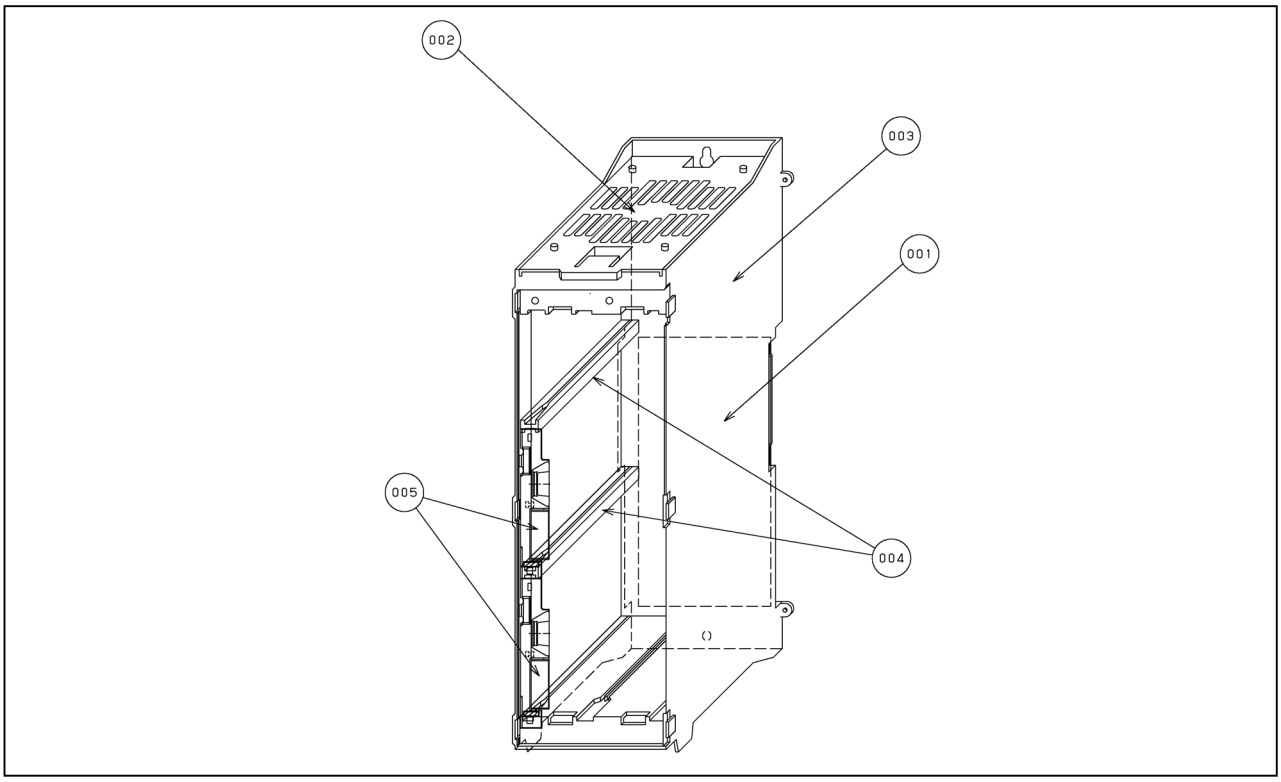


Fig.2.1 2-SLOT BACKPLANE

2.2 4-SLOT BACKPLANE

UNIT	ASSEMBLY NAME	SPECIFICATION
b-2	4-SLOT BACKPLANE	A05B-2400-C061

(1 / 1)

UNIT	NO.	Q'TY	PARTS NAME	SPECIFICATION	PAGE	REMARK
b-2	001	1	BACKPLANE PCB	A20B-2002-0761	1	
	002	2	FAN MOTOR	A02B-0260-C021	1	
	003	2	CASE	A230-0587-X001	1	
	004	2	RAIL	A230-0587-X008	1	
	005	2	COVER	A230-0587-X017	1	

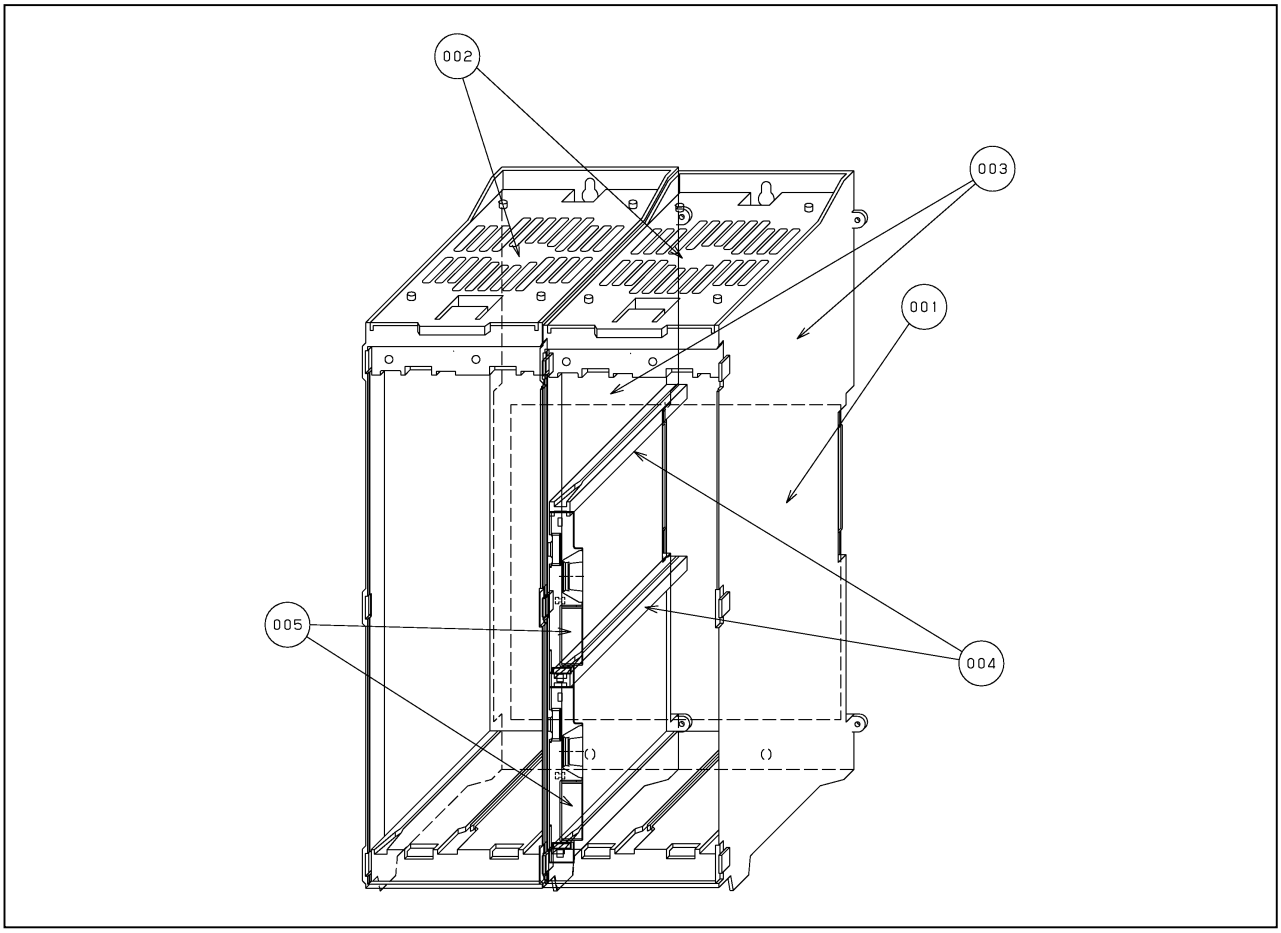


Fig.2.2 4-SLOT BACKPLANE

3 POWER SUPPLY UNIT

UNIT	ASSEMBLY NAME	SPECIFICATION
c-1	POWER SUPPLY UNIT	A16B-2203-0370

(1 / 1)

UNIT	NO.	Q'TY	PARTS NAME	SPECIFICATION	PAGE	REMARK
c-1	001	1	FUSE	A60L-0001-0399#8.0A	1	F1 (8.0A)
	002	1	FUSE	A60L-0001-0046#7.5	1	F3 (7.5A)
	003	1	FUSE	A60L-0001-0046#7.5	1	F4 (7.5A)
	004	1	COVER	A230-0587-X007	1	

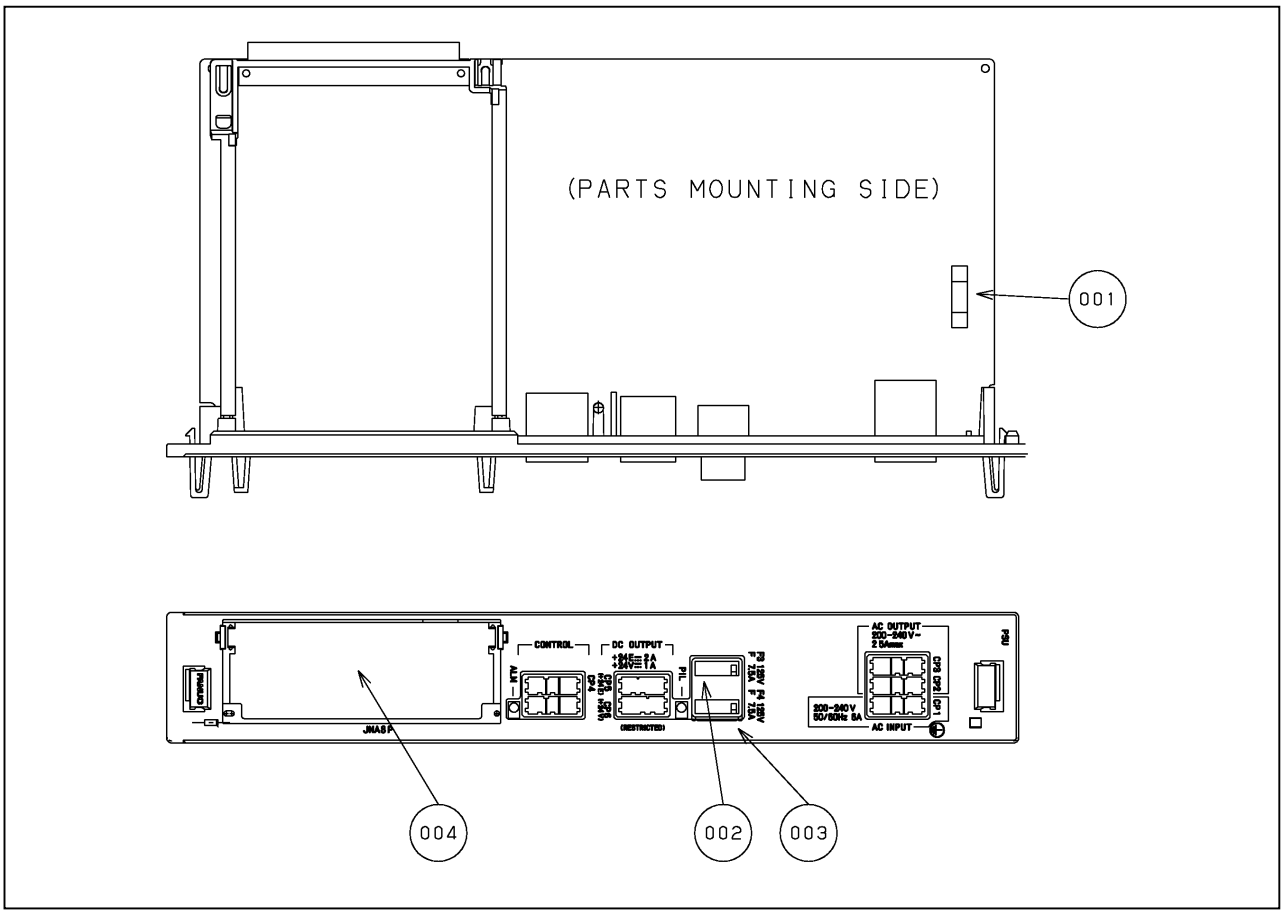


Fig.3 POWER SUPPLY UNIT

4 MAIN BOARD

UNIT	ASSEMBLY NAME	SPECIFICATION
d-1	MAIN BOARD	A16B-3200-0412 A16B-3200-0413

(1 / 1)

UNIT	NO.	Q'TY	PARTS NAME	SPECIFICATION	PAGE	REMARK
d-1	001a	1	MAIN BOARD	A16B-3200-0412	1	
	001b			A16B-3200-0413	1	DISTRIBUTED LINK
	002a	1	CPU CARD	A20B-3300-0104	1	SDRAM 8MB
	002b			A20B-3300-0105	1	SDRAM 16MB
	003a	1	AXIS CONTROL CARD	A20B-3300-0240	1	8-AXIS
				A20B-3300-0390		
	003b			A20B-3300-0241	1	6-AXIS
				A20B-3300-0391		
	003c			A20B-3300-0242	1	4-AXIS
	004a	1	FROM/SRAM MODULE	A20B-3900-0160	1	FROM 16M / SRAM 1M
	004b			A20B-3900-0161	1	FROM 16M / SRAM 2M
	004c			A20B-3900-0162	1	FROM 16M / SRAM 3M
	004d			A20B-3900-0163	1	FROM 32M / SRAM 1M
	004e			A20B-3900-0164	1	FROM 32M / SRAM 2M
	004f			A20B-3900-0165	1	FROM 32M / SRAM 3M
	005	1	IC	A76L-0151-0098	1	75172
	006	1	IC	A76L-0151-0099	1	75173
	007	1	BATTERY	A98L-0031-0012	1	

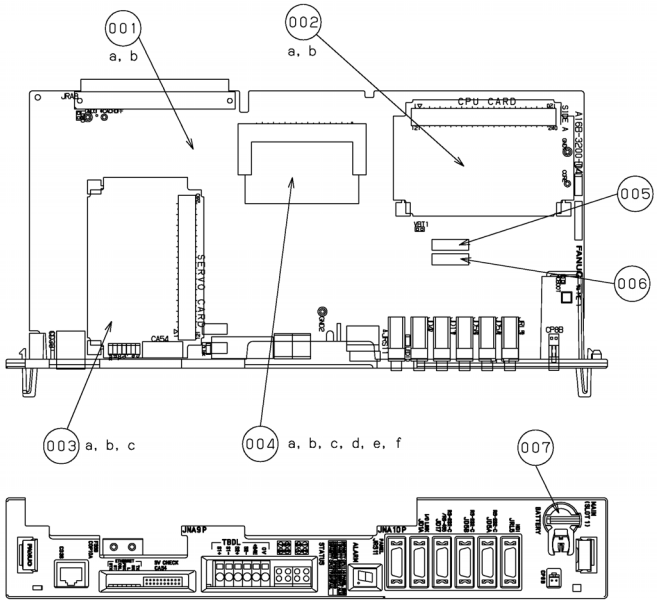


Fig.4 MAIN BOARD

5 EMERGENCY STOP UNIT

UNIT	ASSEMBLY NAME	SPECIFICATION	
e-1	EMERGENCY STOP UNIT	A05B-2452-C471 A05B-2452-C472 A05B-2452-C474	(1 / 1)

UNIT	NO.	Q'TY	PARTS NAME	SPECIFICATION	PAGE	REMARK
e-1	001	1	EMERGENCY STOP PCB	A20B-1007-0800	1	
	002a	1	BREAKER	A60L-0001-0308#V030	1	30A (FOR C471)
	002b			A60L-0001-0308#D040	1	40A (FOR C472)
	002c			A60L-0001-0308#B010	1	10A (FOR C474)
	003	2	MAGNETIC CONTACTOR	A58L-0001-0498#SC-N2	1	

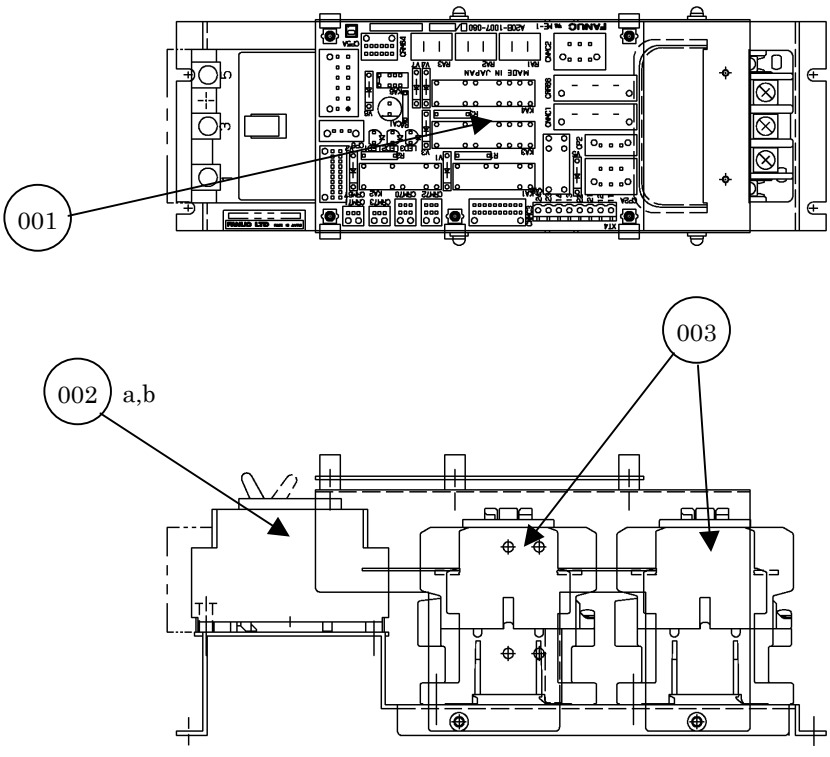


Fig.5 EMERGENCY STOP UNIT

6 PROCESS I/O BOARD

6.1 PROCESS I/O CA

UNIT	ASSEMBLY NAME	SPECIFICATION
f-1	PROCESS I/O CA	A16B-2201-0470

(1 / 1)

UNIT	NO.	Q'TY	PARTS NAME	SPECIFICATION	PAGE	REMARK
f-1	001	13	IC	A76L-0151-0062	1	DV1-12,RESERVE
	002	1	FUSE	A60L-0001-0046#2.0	1	FUSE1(2.0A)

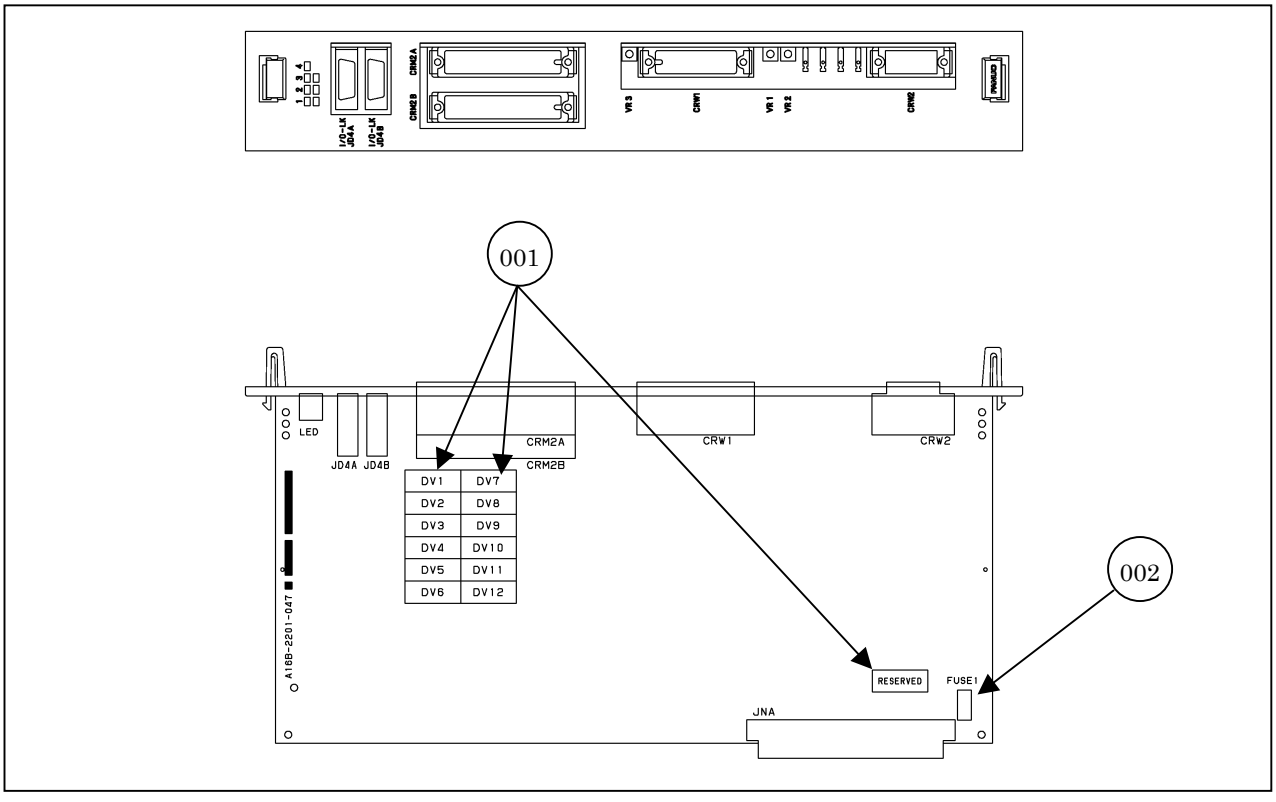


Fig.6.1 PROCESS I/O CA

6.2 PROCESS I/O CB

UNIT	ASSEMBLY NAME	SPECIFICATION
f-2	PROCESS I/O CB	A16B-2201-0472

(1 / 1)

UNIT	NO.	Q'TY	PARTS NAME	SPECIFICATION	PAGE	REMARK
f-2	001	13	IC	A76L-0151-0062	1	DV1-12,RESERVE
	002	1	FUSE	A60L-0001-0046#2.0	1	FUSE1(2.0A)

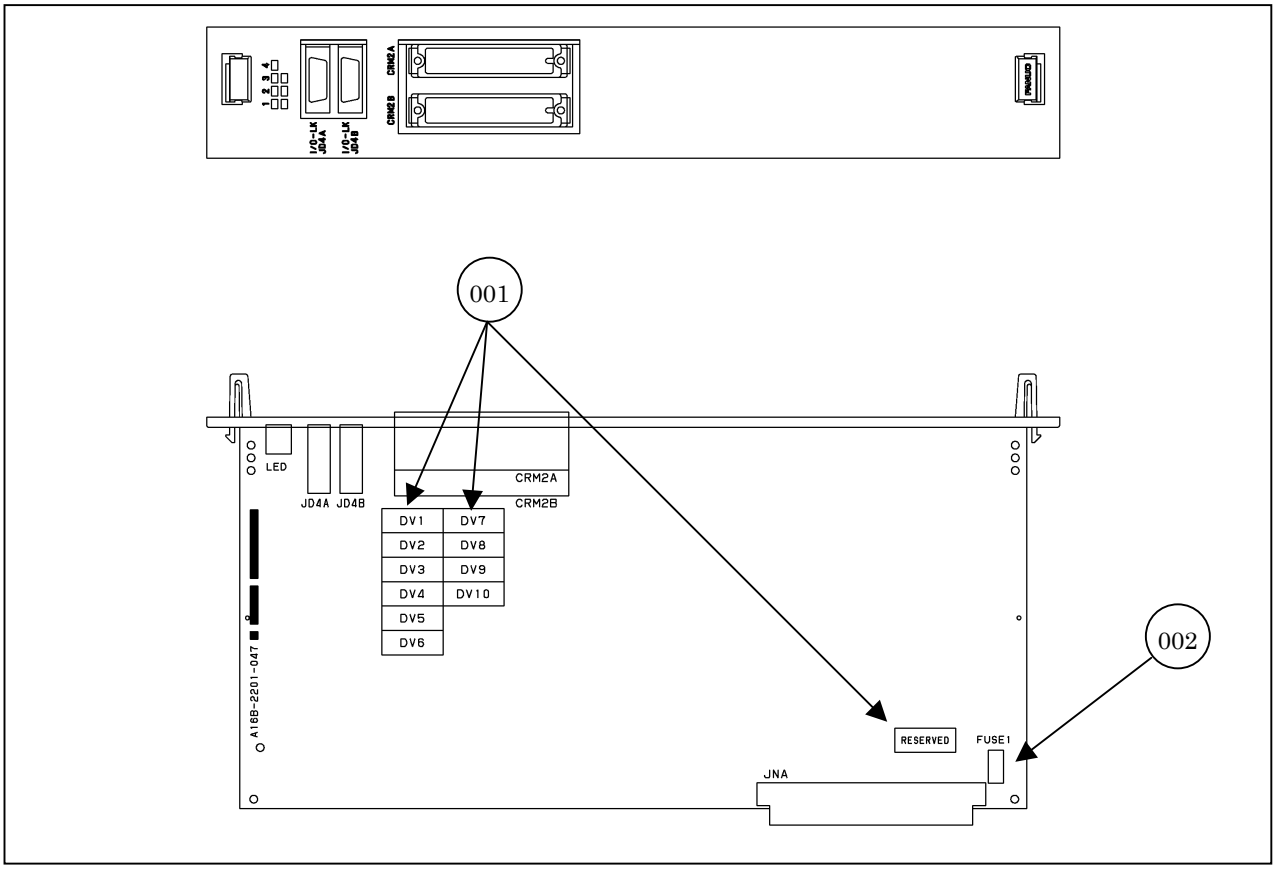


Fig.6.2 PROCESS I/O CB

6.3 PROCESS I/O DA

UNIT	ASSEMBLY NAME	SPECIFICATION
f-3	PROCESS I/O DA	A16B-2201-0480

(1 / 1)

UNIT	NO.	Q'TY	PARTS NAME	SPECIFICATION	PAGE	REMARK
f-3	001	25	IC	A76L-0151-0062	1	DV1-12,RESERVE
	002	1	FUSE	A60L-0001-0046#2.0	1	FUSE1(2.0A)

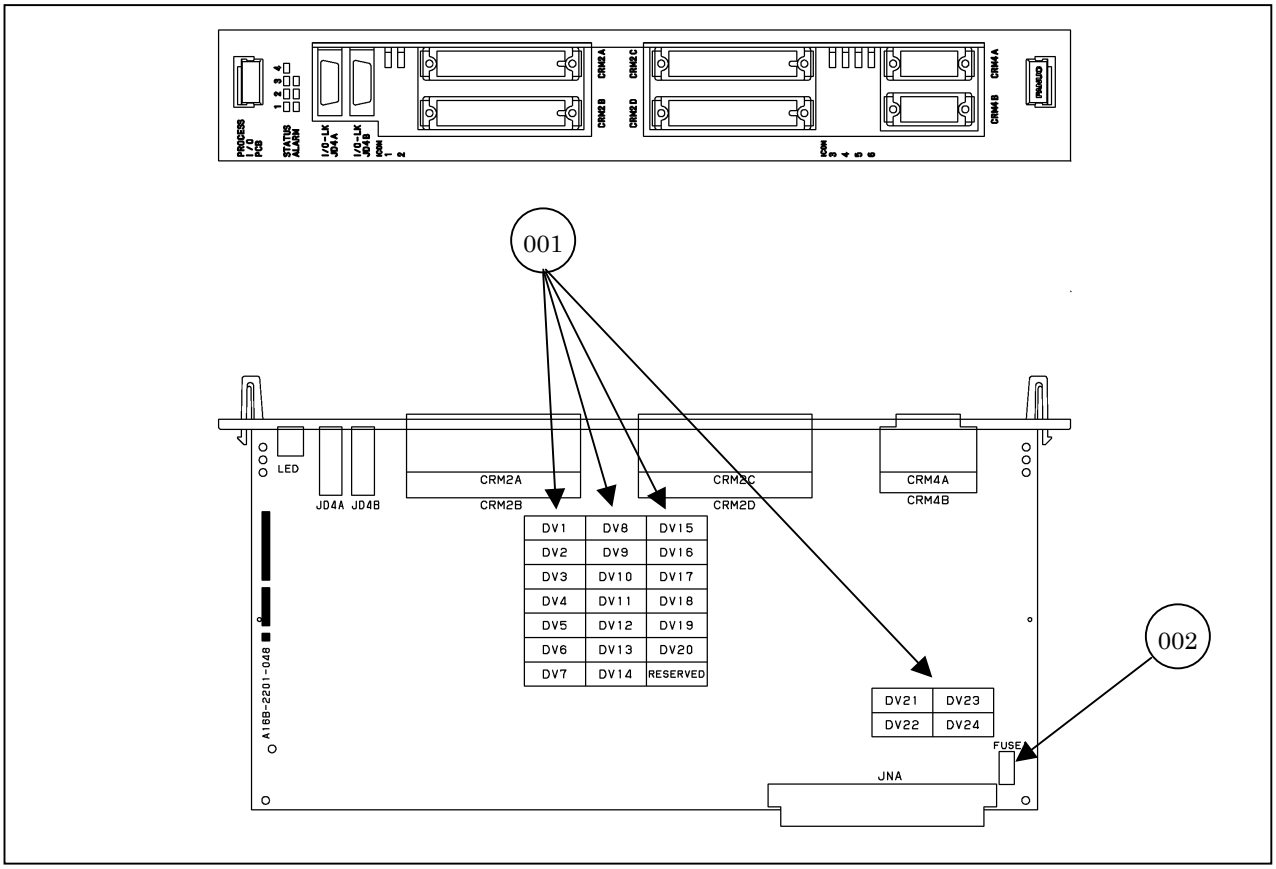


Fig.6.3 PROCESS I/O BOARD DA

6.4 PROCESS I/O EA

UNIT	ASSEMBLY NAME	SPECIFICATION
f-4	PROCESS I/O EA	A16B-3200-0230

(1 / 1)

UNIT	NO.	Q'TY	PARTS NAME	SPECIFICATION	PAGE	REMARK
f-4	001	12	IC	A76L-0151-0062	1	DV1-12
	002	1	FUSE	A60L-0001-0046#2.0	1	FUSE1(2.0A)

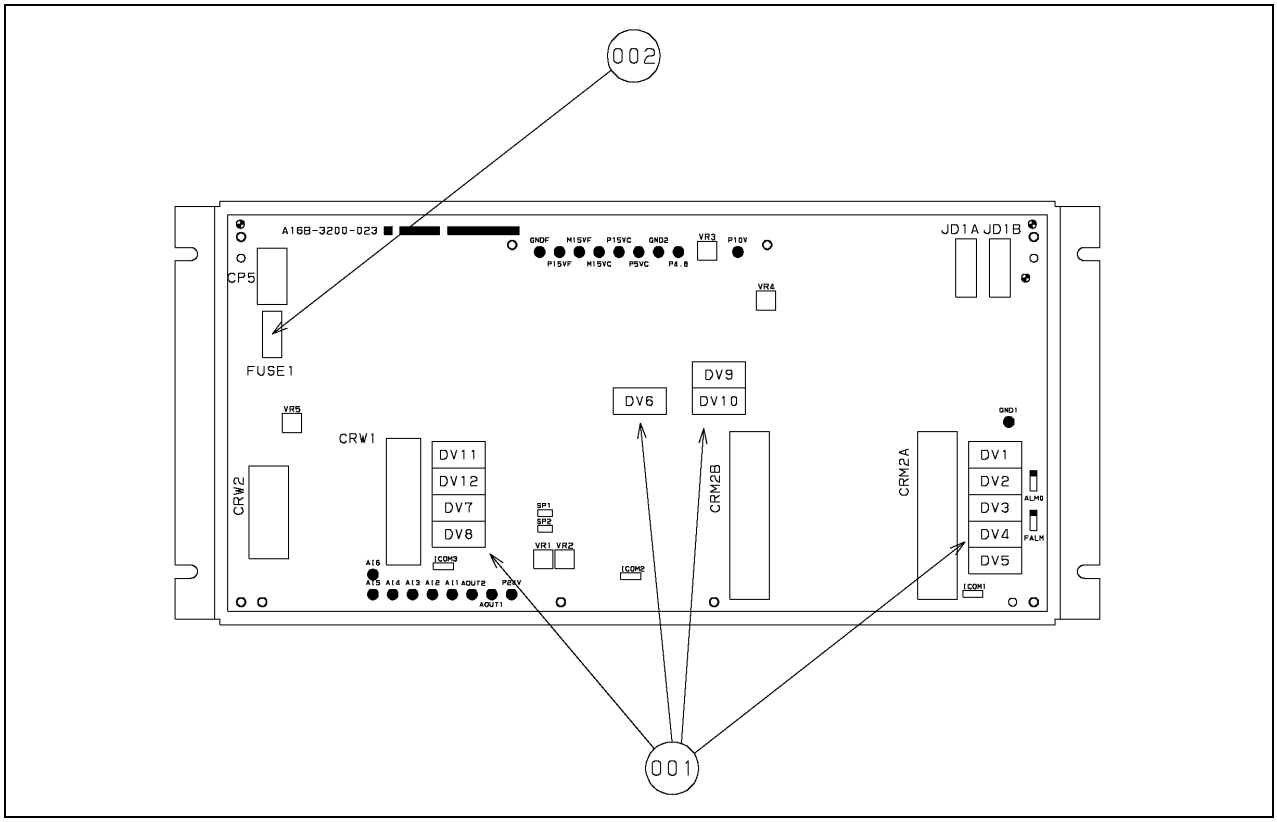


Fig.6.4 PROCESS I/O BOARD EA

6.5 PROCESS I/O EB

UNIT	ASSEMBLY NAME	SPECIFICATION
f-5	PROCESS I/O EB	A16B-3200-0231

(1 / 1)

UNIT	NO.	Q'TY	PARTS NAME	SPECIFICATION	PAGE	REMARK
f-5	001	10	IC	A76L-0151-0062	1	DV1-10
	002	1	FUSE	A60L-0001-0046#2.0	1	FUSE1(2.0A)

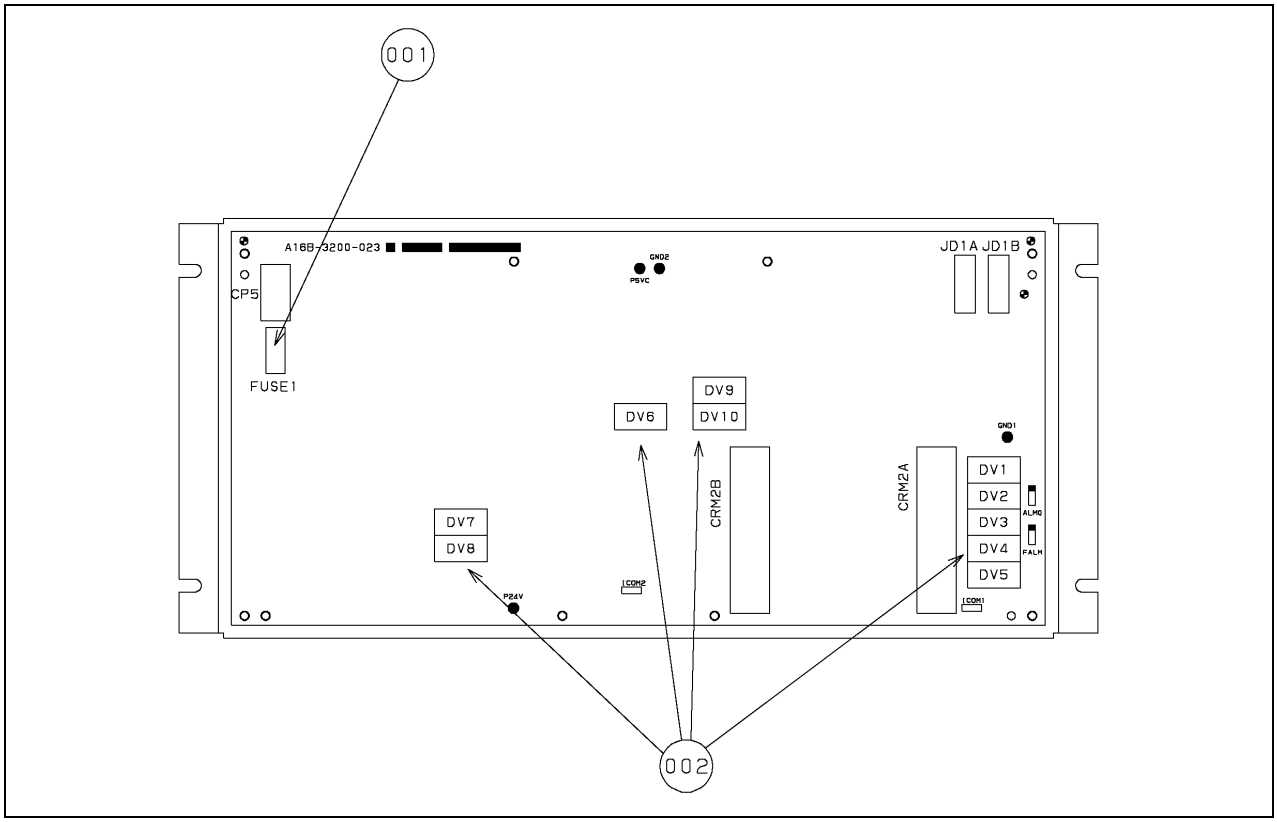


Fig.6.5 PROCESS I/O BOARD EB

6.6 PROCESS I/O FA

UNIT	ASSEMBLY NAME	SPECIFICATION
f-6	PROCESS I/O FA	A16B-2203-0420

(1 / 1)

UNIT	NO.	Q'TY	PARTS NAME	SPECIFICATION	PAGE	REMARK
f-6	001	24	IC	A76L-0151-0062	1	DV1-24
	002	1	FUSE	A60L-0001-0046#2.0	1	FUSE1(2.0A)

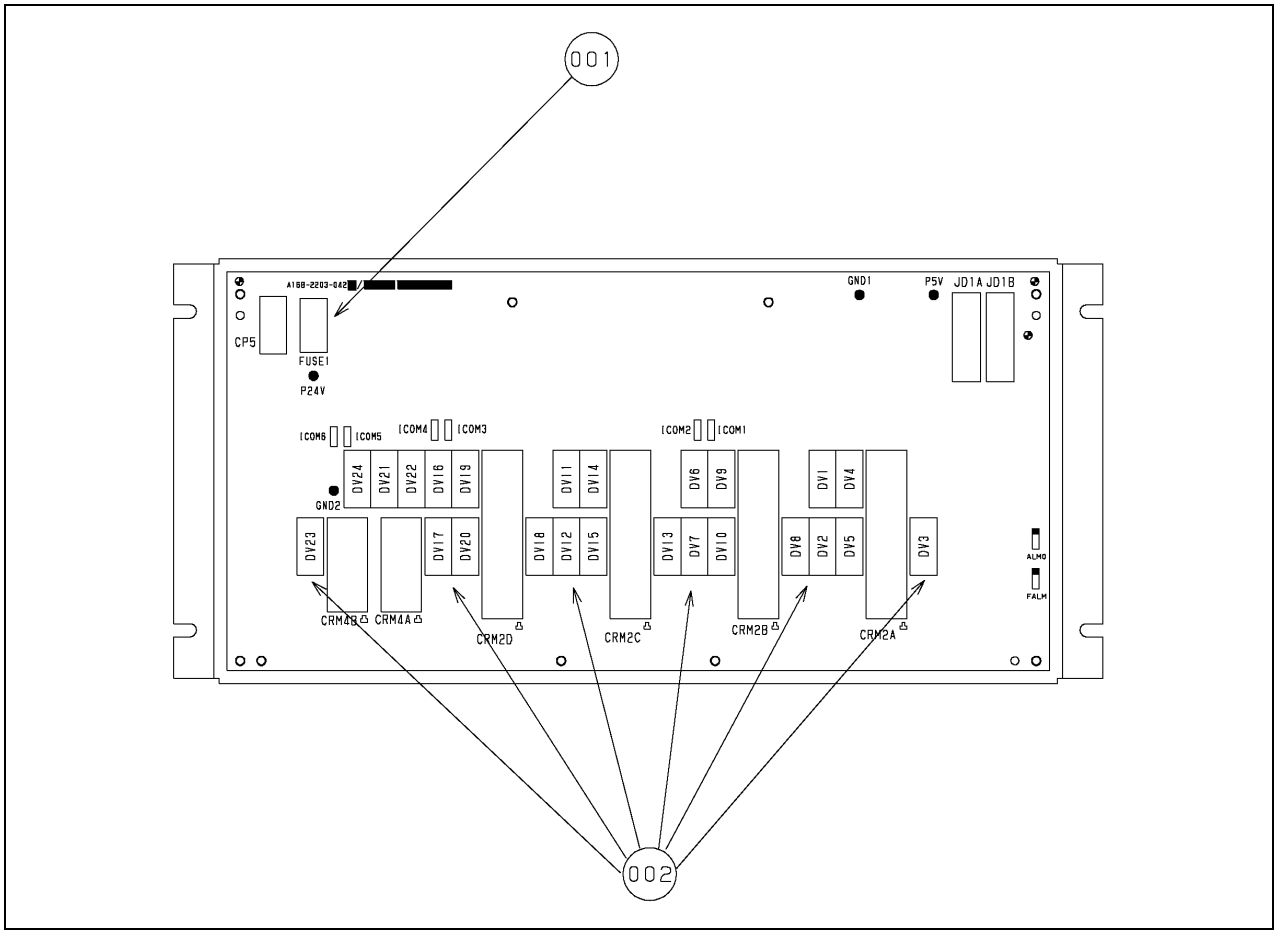


Fig.6.6 PROCESS I/O BOARD FA

6.7 PROCESS I/O GA

UNIT	ASSEMBLY NAME	SPECIFICATION
f-7	PROCESS I/O GA	A16B-2203-0520

(1 / 1)

UNIT	NO.	Q'TY	PARTS NAME	SPECIFICATION	PAGE	REMARK
f-7	001	10	IC	A76L-0151-0062	1	DV1-10
	002	1	FUSE	A60L-0001-0046#2.0	1	FUSE1(2.0A)

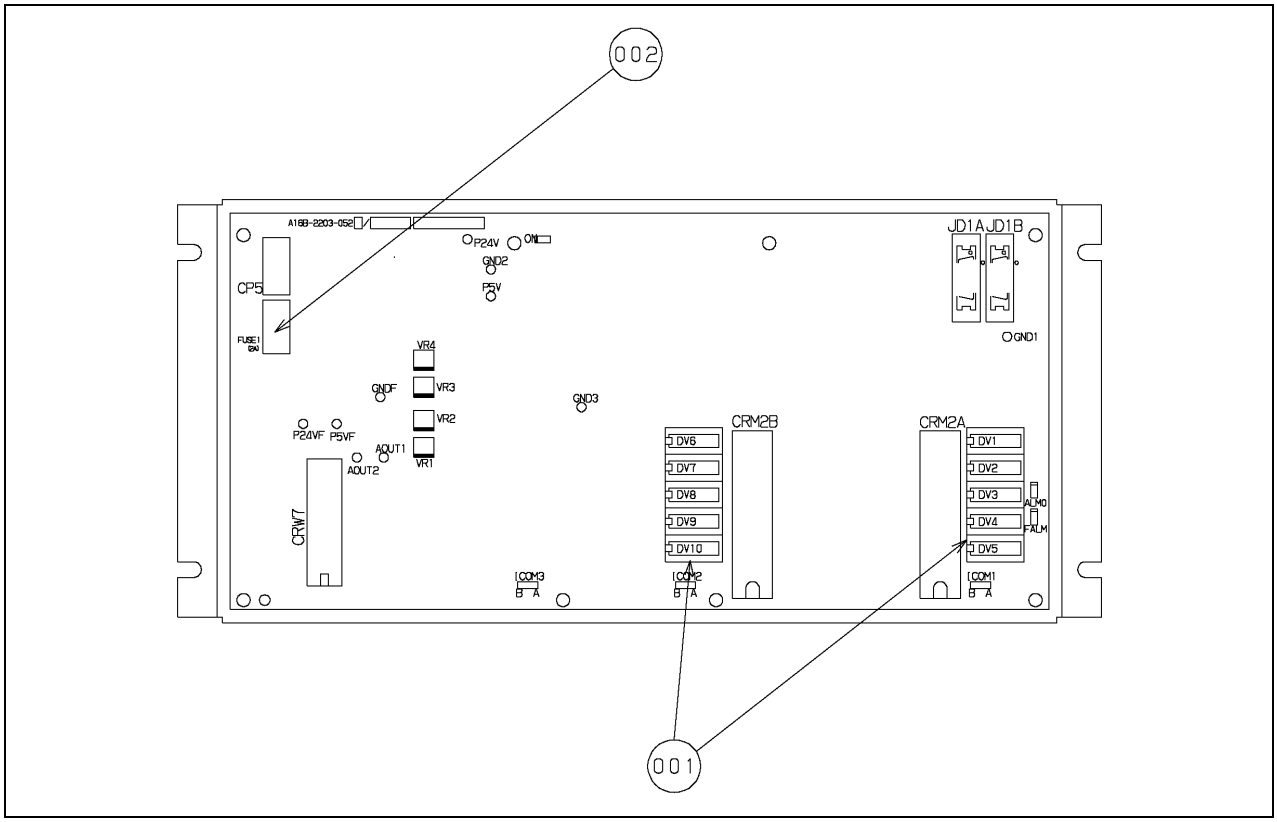


Fig.6.7 PROCESS I/O BOARD GA

6.8 PROCESS I/O HA

UNIT	ASSEMBLY NAME	SPECIFICATION
f-4	PROCESS I/O HA	A16B-2203-0760

(1 / 1)

UNIT	NO.	Q'TY	PARTS NAME	SPECIFICATION	PAGE	REMARK
f-4	001	10	IC	A76L-0151-0062	1	DV1-10
	002	1	FUSE	A60L-0001-0046#2.0	1	FUSE1(2.0A)

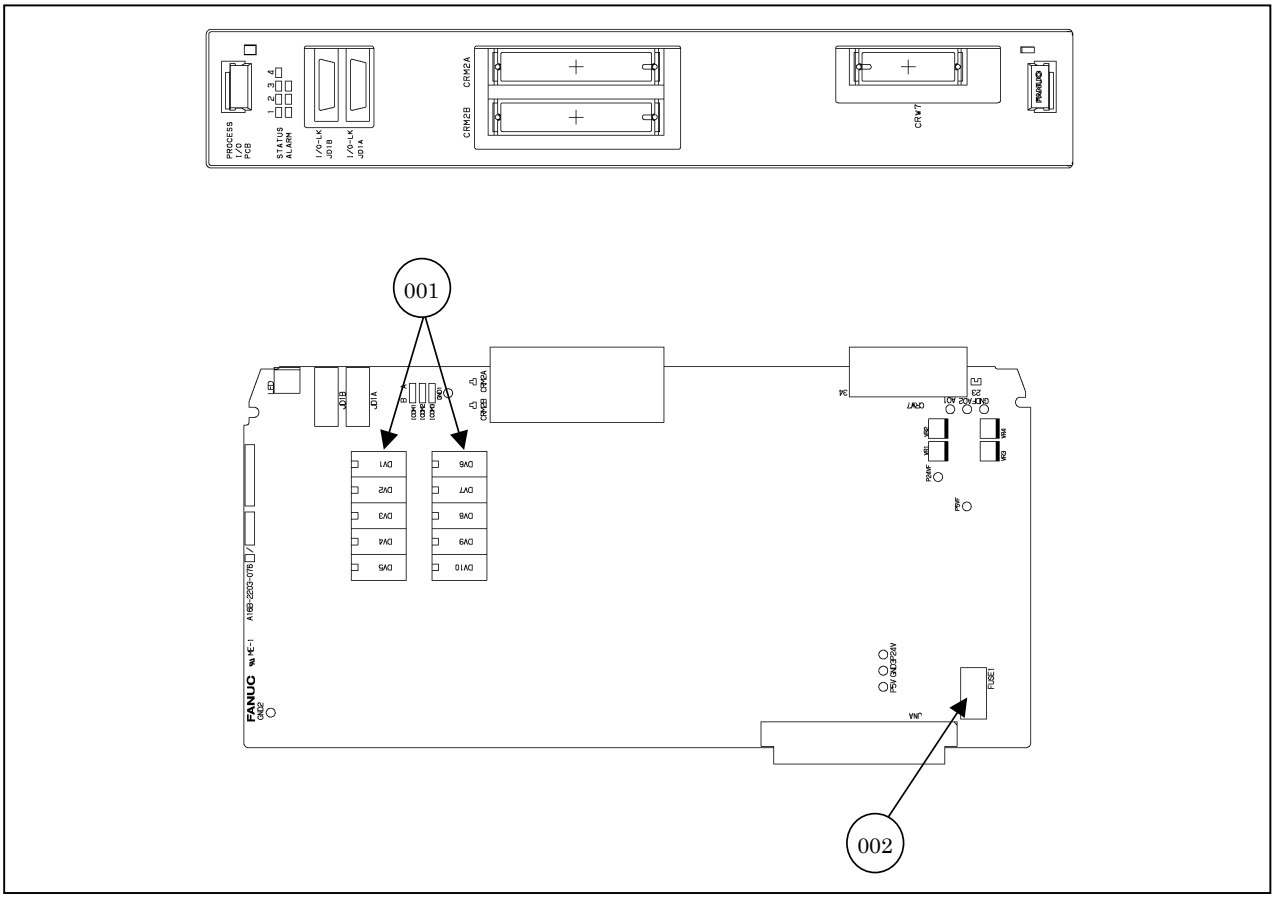


Fig.6.8 PROCESS I/O BOARD HA

7 6-AXIS SERVO AMPLIFIER

UNIT	ASSEMBLY NAME	SPECIFICATION
g-1	6-AXIS SERVO AMPLIFIER	A06B-6105-H001 A06B-6105-H002 A06B-6105-H003

(1 / 3)

UNIT	NO.	Q'TY	PARTS NAME	SPECIFICATION	PAGE	REMARK
g-1	001a	1	SERVO AMPLIFIER	A06B-6105-C001	1	FOR Group1
	001b			A06B-6105-C002	1	FOR Group2
	001c			A06B-6105-C003	1	FOR Group3
	002	1	CONTROL CIRCUIT BOARD	A16B-3200-0440	2	
	003a	1	POWER CIRCUIT BOARD	A16B-2000-0061	2	FOR C001
	003b			A16B-2000-0062	2	FOR C002
	003c			A16B-2000-0063	2	FOR C003
	004a	3	IPM	A50L-0001-0330	3	IPM1,IMP2,IPM3 FOR C002
	004b			A50L-0001-0328	3	IPM1,IMP2,IPM3 FOR C003
	004c			A50L-0001-0333	3	IPM1,IMP2,IPM3 FOR C001
	005	3	IPM	A50L-0001-0327	3	IPM4.IMP5.IMP6
	006	1	DIODE MODULE	A50L-2001-0429#B	3	
	007	2	FUSE	A60L-0001-0290#LM32C	2	FS1,FS2(3.2A)
	008	1	FUSE	A60L-0001-0290#LM50C	2	FS3(5.0A)
	009	2	FUSE	A60L-0001-0245#GP20	2	F1,F2(2.0A)
	010	3	IC	A76L-0151-0062	2	DIO17,DIO18,DIO19
	011	1	OPTICAL CABLE	A66L-6001-0026#L2R003		
	012	1	SHORT CABLE	A660-2005-T462	2	CRM68
	013	2	SHORT CABLE	A660-2005-T461	2	CRR63B,CRR63C
	014	1	AMP COVER	A250-0877-X134	3	B-CABINET ONLY

Group1	R-2000*i*A/200T, S-900*i*B, M-410*i*B
Group2	R-2000*i*A/165F, R-2000*i*A/200F, R-2000*i*A/200FO, R-2000*i*A/165R, R-2000*i*A/200R, R-2000*i*A/125L, R-2000*i*A/165CF, M-710*i*B, M-420*i*A, M-421*i*A, M-16*i*B, ARC Mate 120*i*B, S-500*i*B,
Group3	M-6*i*B, ARC-Mate 100*i*B, F-200*i*B, LR Mate 200*i*B

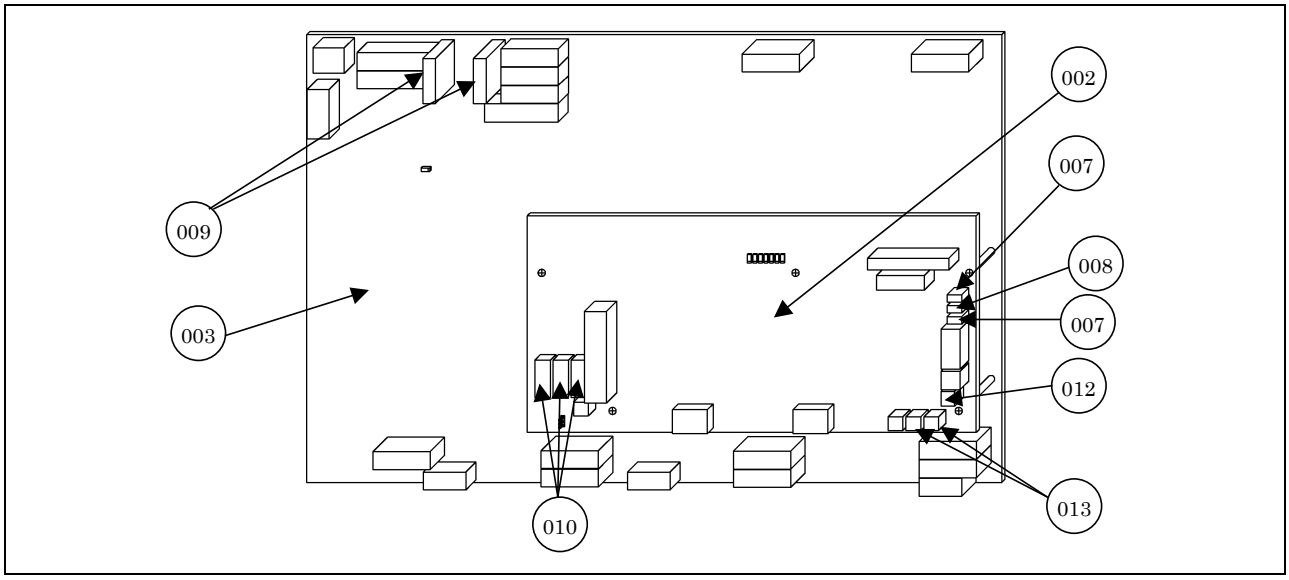


Fig.7.(a). 6-AXIS SERVO AMPLIFIER

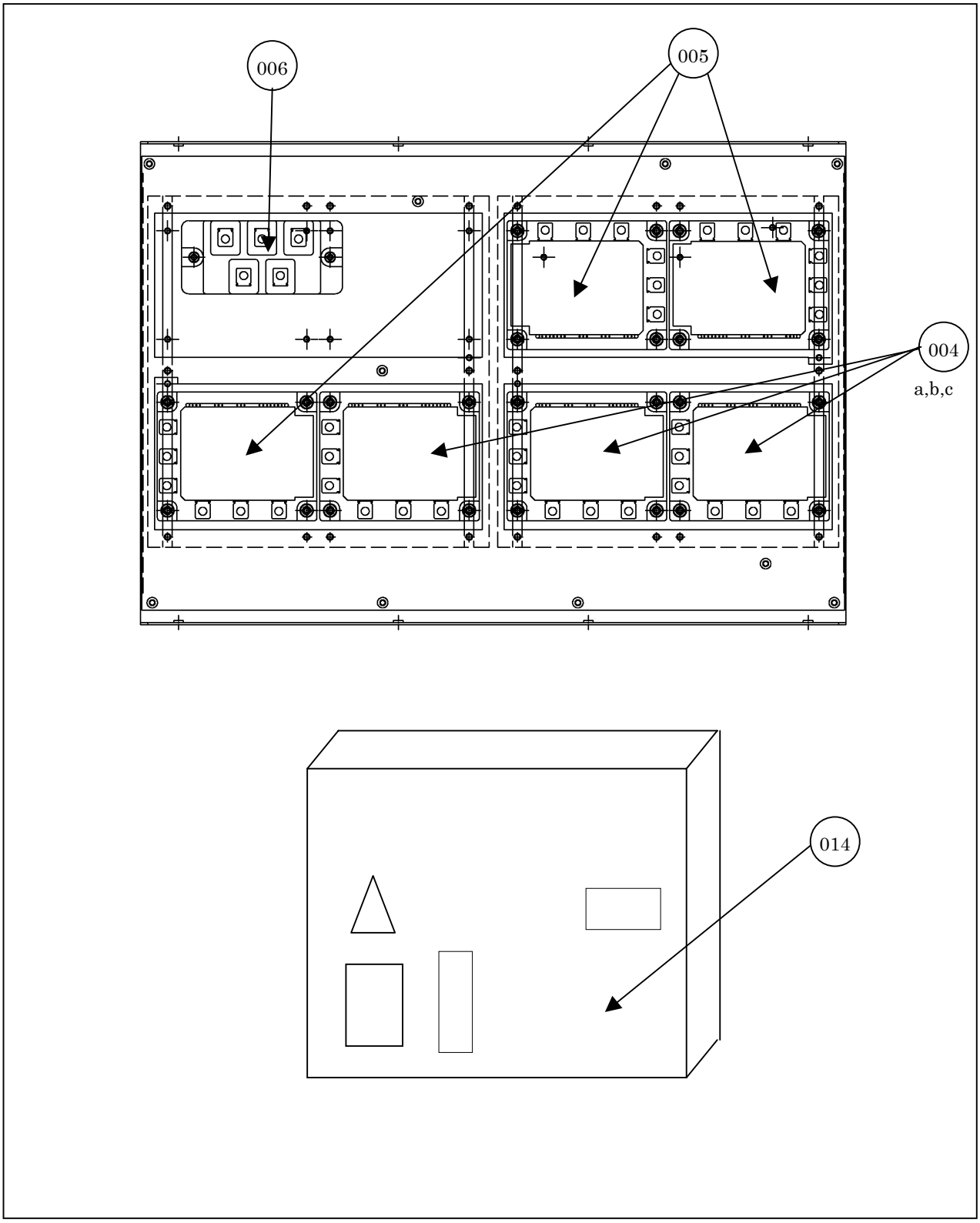


Fig.7.(b). 6-AXIS SERVO AMPLIFIER

8 OPERATION BOX

UNIT	ASSEMBLY NAME	SPECIFICATION
h-1	OPERATION BOX	A05B-2451-C153

(1 / 2)

UNIT	NO.	Q'TY	PARTS NAME	SPECIFICATION	PAGE	REMARK
h-1	001	1	SWITCH UNIT	A05B-2450-C002	2	ENGLISH INCLUDE 002 - 009
	002	1	COVER	A250-0874-T011	2	ENGLISH
	003	1	BUTTON	A56L-0001-0134#3B	2	EMERGENCY STOP
	004	1	SWITCH	A55L-0001-0273#1JWA	2	ON/OFF (WHITE)
	005	1	LED	A55L-0001-0273#1TRM	2	FAULT (RED)
	006	1	SWITCH	A55L-0001-0273#1JGYM	2	CYCLE START (GREEN)
	007	1	SWITCH COVER	A55L-0001-0191#B-5050	2	CYCLE START
	008	1	SWITCH	A55L-0001-0273#1JAM	2	FAULT RESET (BLUE)
	009	2	SWITCH	A55L-0001-0273#1JWM	2	USER1,2 (WHITE)
	010	1	MODE SWITCH	A55L-0001-0253	2	
	011	1	PANEL BOARD	A20B-2100-0771	2	
	012	1	CABLE	A660-2001-T998#34B0100	2	
	013	1	TERMINAL UNIT	A05B-2400-C114	2	TBOP4
	014	1	TERMINAL UNIT	A05B-2400-C116	2	TBOP6
	015	1	TERMINAL UNIT	A05B-2400-C118	2	TBOP3
	016	1	RELAY	A58L-0001-0192#1509A	2	KA21,KA22 MOUNTED ON 011
	017	1	FUSE	A60L-0001-0046#1.0	2	FUSE1 FUSE2 MOUNTED ON 011
	018	1	SWITCH UNIT PCB	A20B-1007-0850	2	
	019	1	PCMCIA CABLE	A66L-2050-0010#A	2	
	020	1	HOLDER	A250-0874-X006	2	TO HOLD 019
	021	1	CONNECTOR COVER	A250-0874-T002	2	
	022	1	WIRING TOOL	A63L-0001-0783#131-M		FOR WAGO TERMINAL

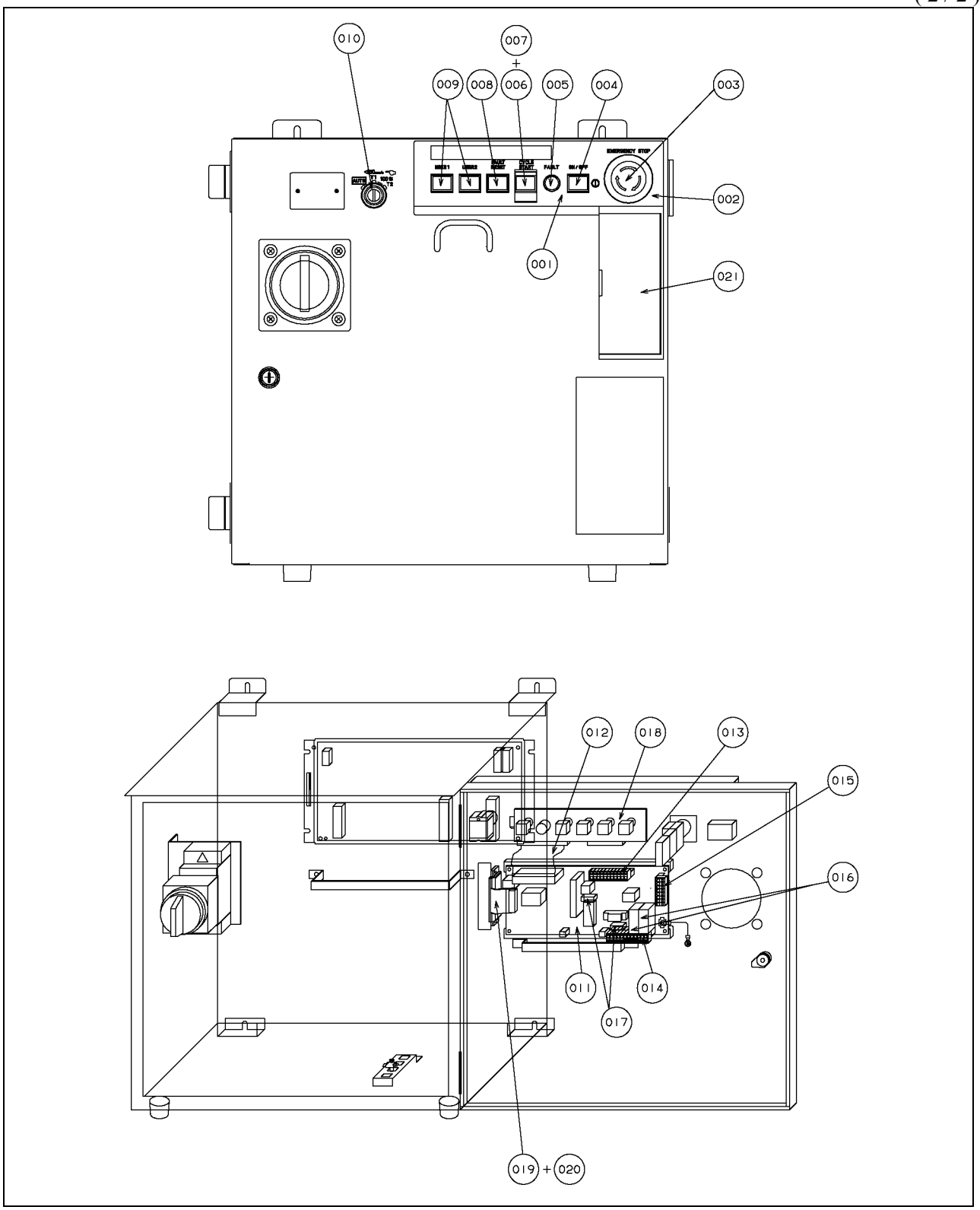


Fig.8. Operation Box

9 OPERATION BOX CABLE

UNIT	ASSEMBLY NAME	SPECIFICATION
i-1	OPERATION BOX CABLE	REFER TO EACH SPECIFICATION

(1 / 1)

UNIT	NO.	Q'TY	PARTS NAME	SPECIFICATION	PAGE	REMARK
i-1	001a	1	OPERATION BOX CABLE	A05B-2451-D106	1	5m
	001b			A05B-2451-D107	1	10m
	001c			A05B-2451-D108	1	2m

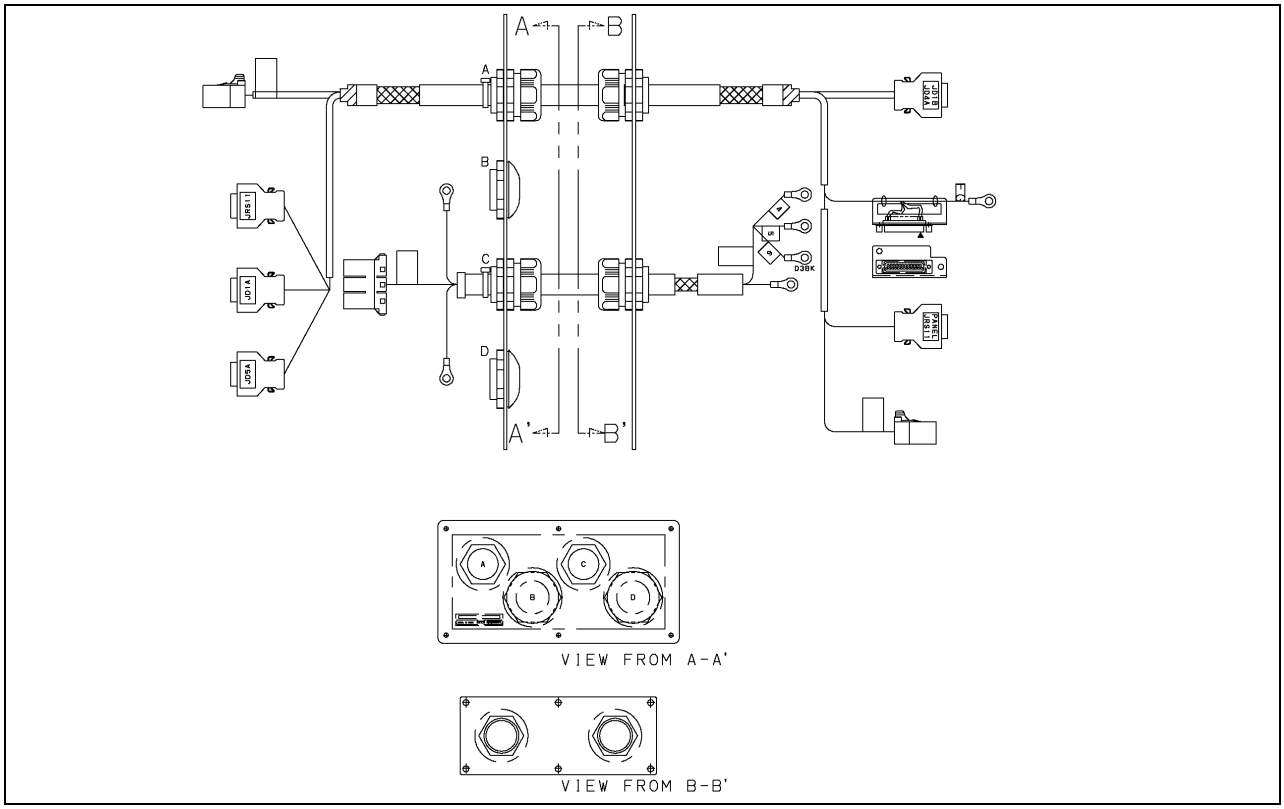


Fig.9. Operation box cable

10 OPERATOR PANEL

UNIT	ASSEMBLY NAME	SPECIFICATION
j-1	OPERATOR PANEL	A05B-2452-C151 A05B-2452-C152

(1 / 2)

UNIT	NO.	Q'TY	PARTS NAME	SPECIFICATION	PAGE	REMARK
	001b		OPERATOR PANEL	A05B-2452-C151	2	ENGLISH
	001c		OPERATOR PANEL	A05B-2452-C152	2	SYMBOL
	002a	1	COVER	A250-0874-T011	2	ENGLISH
	002b		COVER	A250-0874-T012	2	SYMBOL
	003	1	PANEL BOARD	A20B-2100-0770	2	
	004	1	TERMINAL UNIT	A05B-2400-C118	2	TBOP3
	005	1	TERMINAL UNIT	A05B-2400-C114	2	TBOP4
	006	1	TERMINAL UNIT	A05B-2400-C116	2	TBOP6
	007	2	FUSE	A60L-0001-0046#1.0	2	FUSE1,FUSE2 MOUNTED ON 002
	008	2	RELAY	A58L-0001-0192#1509A	2	KA21,KA22 MOUNTED ON 002
	009	1	SWITCH	A56L-0001-0134#3B	2	EMG
	010	1	SWITCH UNIT PCB	A20B-1007-0850	2	
	011a	1	SWITCH	A55L-0001-0273#3ALJWA1	2	ON-OFF FOR 001a
	011b		SWITCH	A55L-0001-0273#1JWA	2	ON-OFF FOR 001b,001c
	012	1	SWITCH	A55L-0001-0273#1JGYM	2	CYCLE START
	013	1	SWITCH	A55L-0001-0273#1JAM	2	FAULT RESET
	014	2	SWITCH	A55L-0001-0273#1JWM	2	USER1.USER2
	015	1	LED	A55L-0001-0273#1TRM	2	FAULT
	016	1	SWITCH COVER	A55L-0001-0191#B-5050	2	CYCLE START
	017	1	MODE SWITCH	A55L-0001-0253	2	
	018	1	PCMCIA CABLE	A66L-2050-0010#A	2	
	019	1	WIRING TOOL	A63L-0001-0783#131-M		FOR WAGO TERMINAL
	020	1	PCMCIA CONNECTOR COVER	A250-0874-T002	2	
	021	1	CABLE	A660-2001-T998#34B0100	2	CONNECT 003 WITH 010
	022	1	HOLDER	A250-0874-X006	2	TO HOLD 018

(2 / 2)

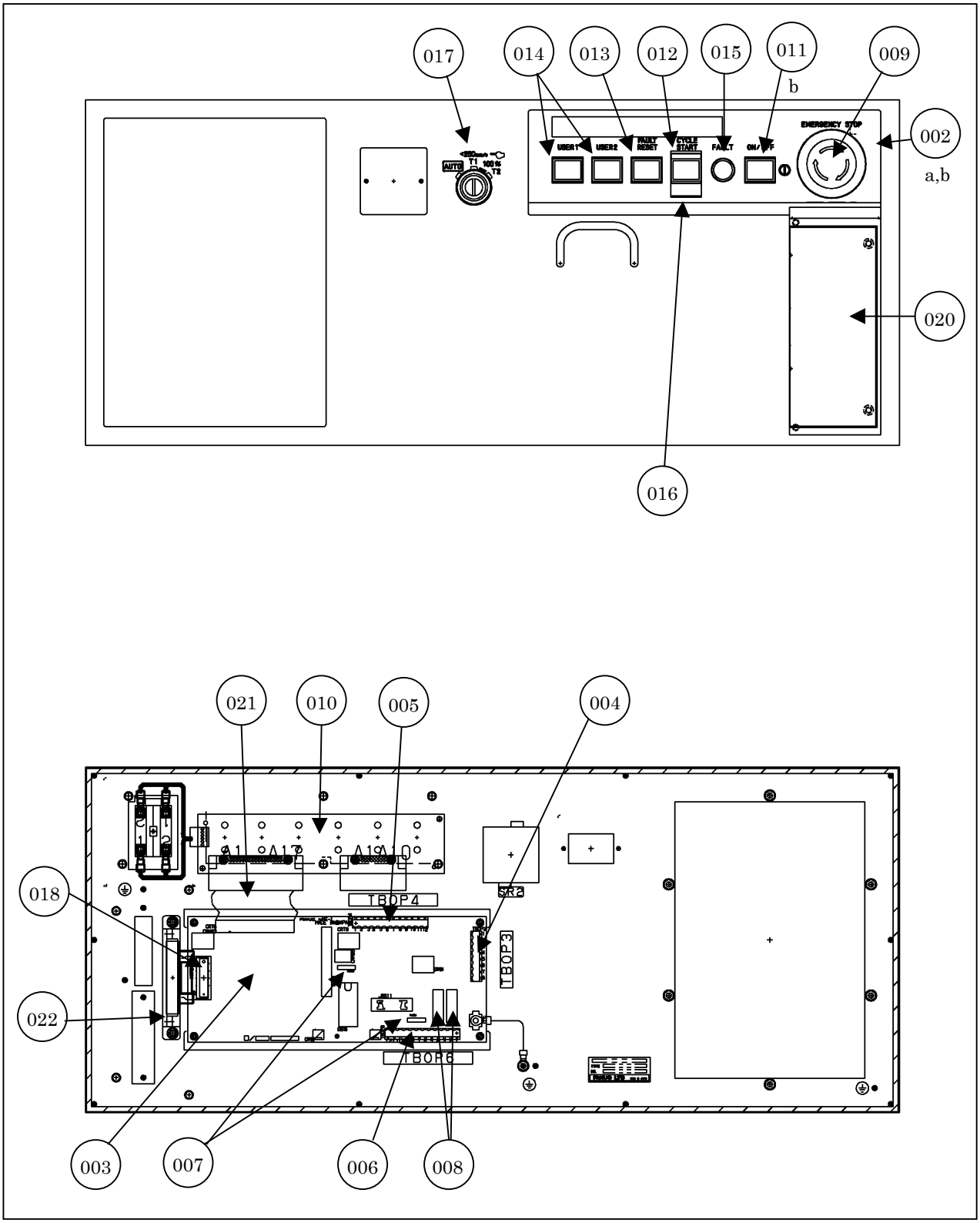


Fig.10. OPERATOR PANEL FULL
(A05B-2452-C151,C152)

11 FUN UNIT

11.1 FAN UNIT FOR A-CABINET

UNIT	ASSEMBLY NAME	SPECIFICATION
k-1	FAN UNIT	A05B-2400-C900 A05B-2350-C901 A05B-2451-C900 A05B-2451-C901

(1 / 1)

UNIT	NO.	Q'TY	PARTS NAME	SPECIFICATION	PAGE	REMARK
k-1	001	1	FAN UNIT	A05B-2400-C900	1	INCLUDE 004
	002	1	FAN UNIT	A05B-2350-C901	1	INCLUDE 005
	003a	1	FAN UNIT	A05B-2451-C900	1	INCLUDE 006
	003b			A05B-2451-C901	1	INCLUDE 006×2
	004	1	FAN	A90L-0001-0451#A	1	
	005	1	FAN	A90L-0001-0335#B	1	
	006	1	FAN	A90L-0001-0487	1	

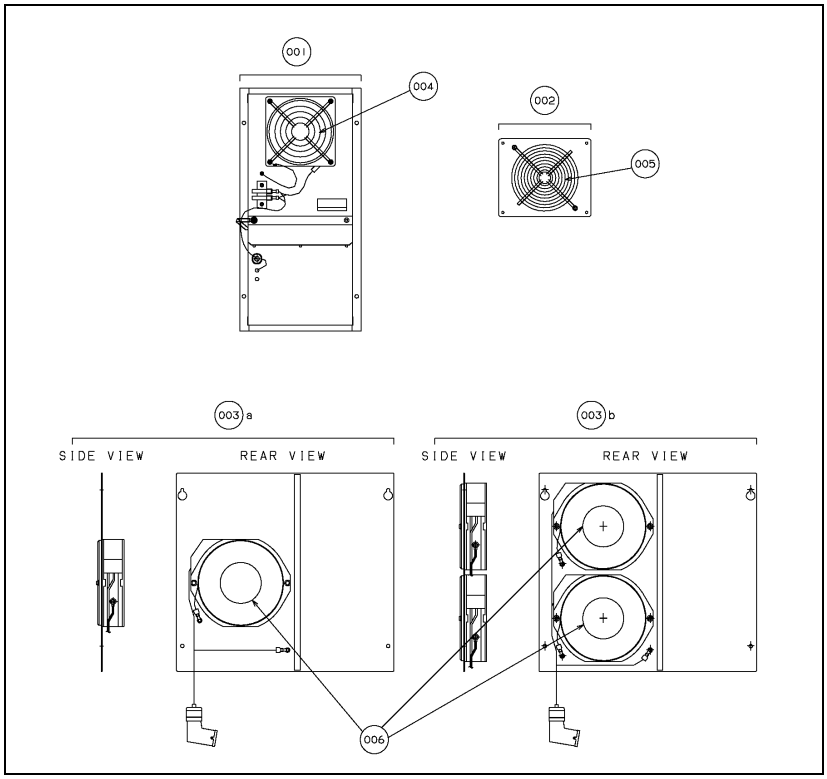


Fig.11.1 FUN UNIT (A-CABINET)

11.2 FAN UNIT FOR B-CABINET

UNIT	ASSEMBLY NAME	SPECIFICATION
k-2	FAN UNIT	A05B-2452-C900 A05B-2452-C901 A05B-2452-C902

(1 / 1)

UNIT	NO.	Q'TY	PARTS NAME	SPECIFICATION	PAGE	REMARK
k-2	001	1	FAN UNIT	A05B-2452-C900	1	INCLUDE 004
	002	1	FAN UNIT	A05B-2452-C901	1	INCLUDE 005
	003	1	FAN UNIT	A05B-2452-C902	1	INCLUDE 005
	004	2	FAN	A90L-0001-0487	1	
	005	1	FAN	A90L-0001-0396	1	

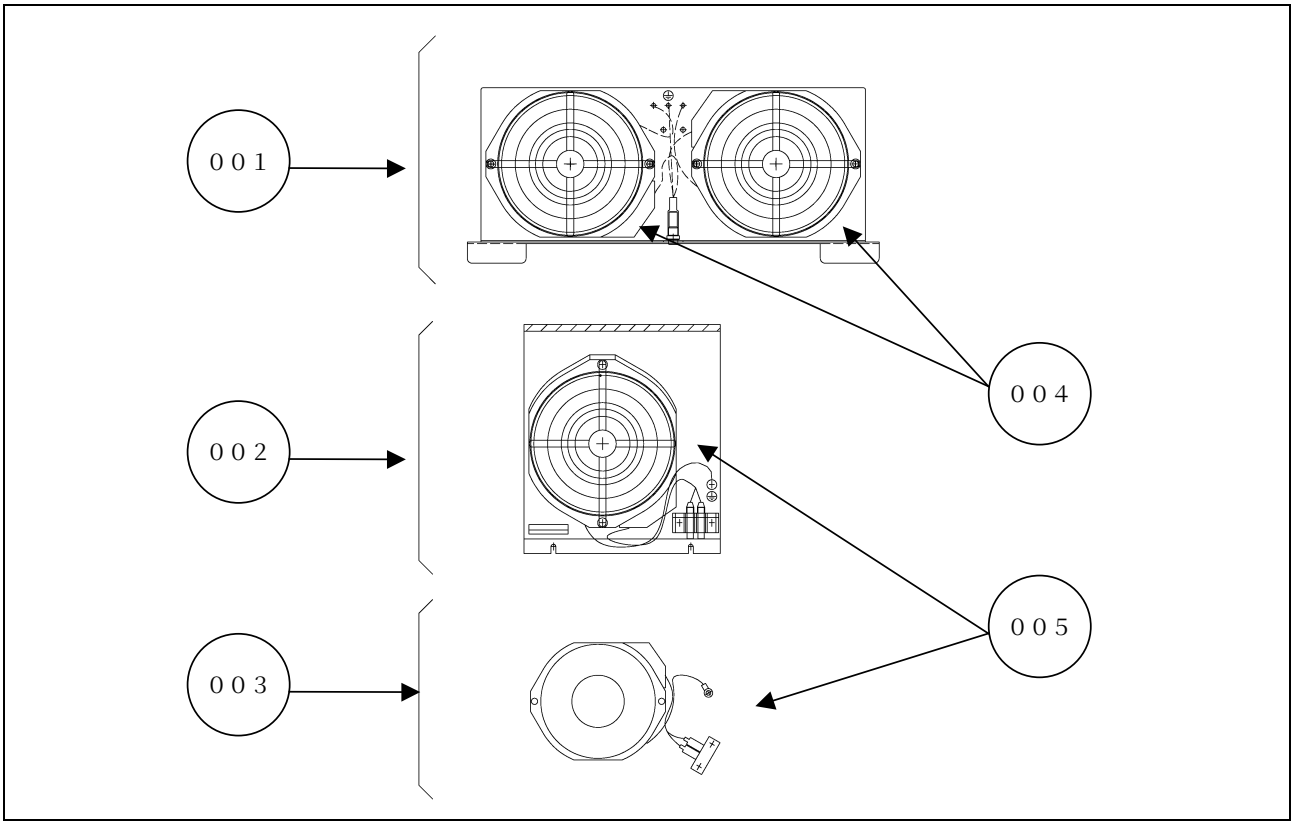


Fig.11.2 FUN UNIT

12 BREAKER

12.1 BREAKER FOR A-CABINET

UNIT	ASSEMBLY NAME	SPECIFICATION
l-1	BREAKER	A05B-2451-H134 , H135 A05B-2451-H144 , H145 A05B-2451-H152 , H150

(1 / 1)

UNIT	NO.	Q'TY	PARTS NAME	SPECIFICATION	PAGE	REMARK
l-1	001a	1	BREAKER	A60L-0001-0347#B030S		30A FOR H135
	001b			A60L-0001-0347#B020S		20A FOR H134
	001c		LEAKAGE BREAKER	A60L-0001-0306#BA		30A FOR H145
	001d			A60L-0001-0306#AA		20A FOR H144
	001e		UL/CSA BREAKER	A60L-001-0256#FHA3030L		UL/CSA 30A FOR H150
	001f		UL/CSA BREAKER	A60L-001-0256#FHA3020L		UL/CSA 20A FOR H152

12.2 BREAKER FOR B-CABINET

UNIT	ASSEMBLY NAME	SPECIFICATION
l-2	BREAKER	A05B-2452-H131 to H133 A05B-2452-H141 to H143 A05B-2452-H150 to H152

(1 / 2)

UNIT	NO.	Q'TY	PARTS NAME	SPECIFICATION	PAGE	REMARK
l-2	001a	1	UL/CSA BREAKER	A60L-0001-0265#FHA3030L	1	UL/CSA 30A FOR H150
	001b			A60L-0001-0265#FHA3020L	1	UL/CSA 20A FOR H151, H152
	001c		BREAKER	A60L-0001-0347#B030S	1	SA33B/30A FOR H131
	001d			A60L-0001-0347#B020S	1	SA33B/20A FOR H132, H133
	001e		LEAKAGE BREAKER	A60L-0001-0306#BA	1	SG53B/30A FOR H141
	001f			A60L-0001-0306#AA	1	SG53B/20A FOR H142, H143

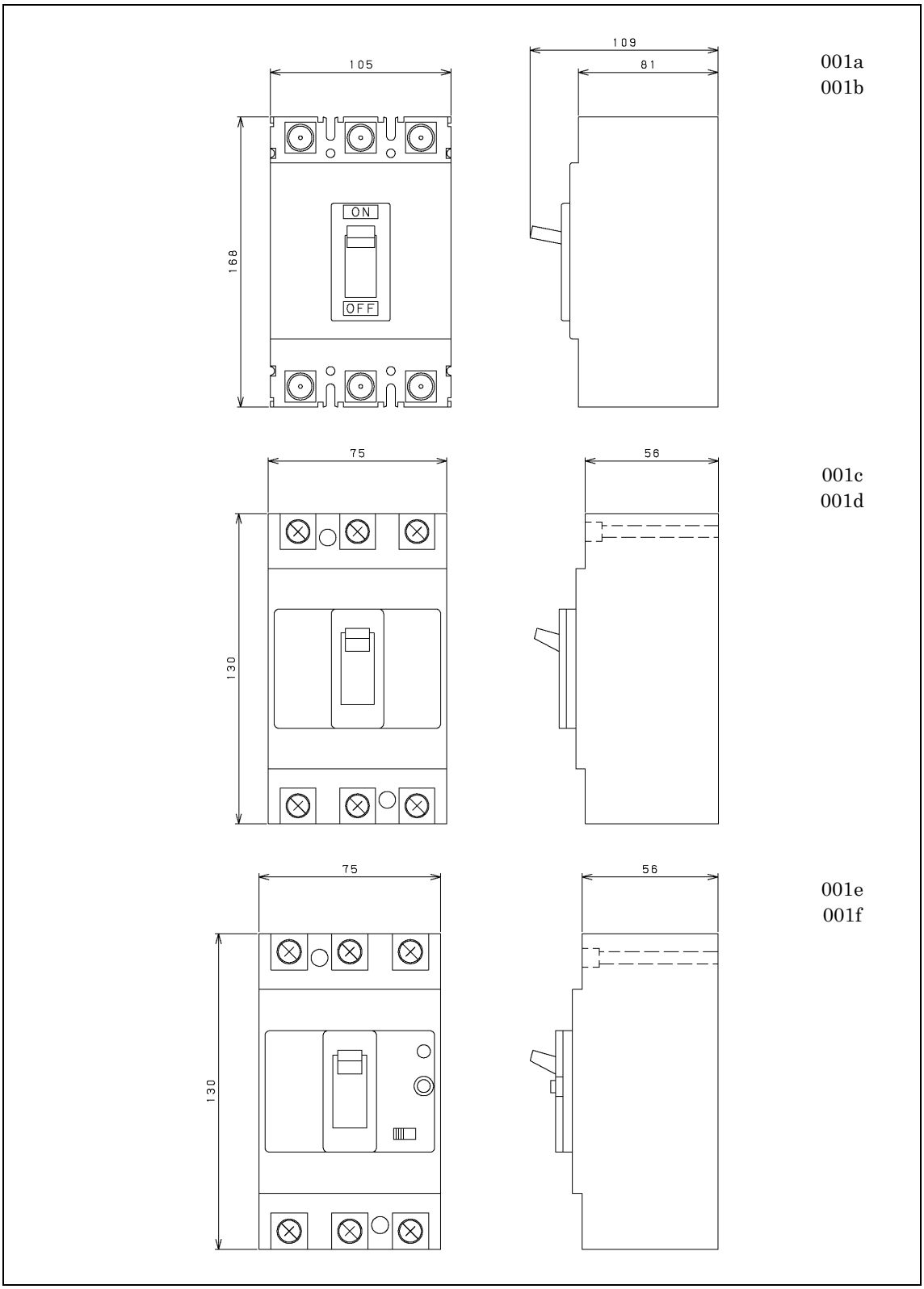


Fig.12. BREAKER

13 I/O UNIT MODEL A

UNIT	ASSEMBLY NAME	SPECIFICATION
m-1	I/O UNIT MODEL A	REFER TO EACH SPECIFICATION

(1 / 5)

UNIT	NO.	Q'TY	PARTS NAME	SPECIFICATION	PAGE	REMARK
m-1	001	1	I/O BASE UNIT 5 SLOT	A03B-0819-C002	3	
	002	1	INTERFACE MODULE(AIF01A)	A03B-0819-C011	3	INCLUDE FUSE 004
	003a	1	DI MODULE(AID32A1)	A03B-0819-C101	3, 4	
	003b	1	DI MODULE(AID32B1)	A03B-0819-C102	3, 4	
	003c	1	DI MODULE(AID16C)	A03B-0819-C103	3, 4	
	003d	1	DI MODULE(AID16D)	A03B-0819-C104	3, 4	
	003e	1	DI MODULE(AID32E1)	A03B-0819-C105	3, 4	
	003f	1	DI MODULE(AID32F1)	A03B-0819-C106	3, 4	
	003g	1	DI MODULE(AIA16G)	A03B-0819-C107	3, 4	
	003h	1	DI MODULE(AID32F2)	A03B-0819-C109	3, 4	
	003i	1	DI MODULE(AID32E2)	A03B-0819-C110	3, 4	
	003j	1	DI MODULE (AID32H1)	A03B-0819-C111	3, 4	
	003k	1	DI MODULE (AID16K)	A03B-0819-C113	3, 4	
	003l	1	DI MODULE(AID16L)	A03B-0819-C114	3, 4	
	003m	1	DO MODULE(AOD08C)	A03B-0819-C151	3, 5	INCLUDE FUSE 005
	003n	1	DO MODULE(AOD08D)	A03B-0819-C152	3, 5	INCLUDE FUSE 006
	003o	1	DO MODULE(AOD16C)	A03B-0819-C153	3, 4	
	003p	1	DO MODULE(AOD16D)	A03B-0819-C154	3, 4	
	003q	1	DO MODULE(AOD32C1)	A03B-0819-C155	3, 4	
	003r	1	DO MODULE(AOD32D1)	A03B-0819-C156	3, 4	
	003s	1	DO MODULE(AOA05E)	A03B-0819-C157	3, 5	INCLUDE FUSE 007
	003t	1	DO MODULE(AOA08E)	A03B-0819-C158	3, 5	INCLUDE FUSE 008
	003u	1	DO MODULE(AOA12F)	A03B-0819-C159	3, 5	INCLUDE FUSE 009
	003v	1	DO MODULE(AOR08G)	A03B-0819-C160	3, 4	
	003w	1	DO MODULE(AOR16G)	A03B-0819-C161	3, 4	
	003x	1	DO MODULE(AOD32A1)	A03B-0819-C162	3, 4	
	003y	1	DO MODULE(AOR16H2)	A03B-0819-C165	3, 4	
	003z	1	DO MODULE(AOD32D2)	A03B-0819-C167	3, 4	
	003aa	1	DO MODULE(AOD32C2)	A03B-0819-C172	3, 4	
	003ab	1	DO MODULE(AOD16DP)	A03B-0819-C182	3, 4	
	003ac	1	AI MODULE(AAD04A)	A03B-0819-C051	3, 4	
	003ad	1	AI MODULE(AAD04B)	A03B-0819-C059	3, 4	
	003ae	1	AO MODULE(ADA02A)	A03B-0819-C052	3, 4	
	003af	1	AO MODULE(ADA02B)	A03B-0819-C060	3, 4	

UNIT	NO.	Q'TY	PARTS NAME	SPECIFICATION	PAGE	REMARK
	003ag	1	Terminal Unit(ATB01A)	A03B-0819-C350		
	003ah	1	Terminal Unit(ATB01B)	A03B-0819-C351	3	
	004	1	FUSE	A60L-0001-0290#LM32	3	F1(3.2A)
	005	2	FUSE	A60L-0001-0250#5R00	5	FU1,FU2(5A)
	006	2	FUSE	A60L-0001-0250#5R00	5	FU1,FU2(5A)
	007	5	FUSE	A60L-0001-0276#3.15	5	FU1～FU5(3.15A)
	008	2	FUSE	A60L-0001-0276#3.15	5	FU1,FU2(3.15A)
	009	2	FUSE	A60L-0001-0276#3.15	5	FU1,FU2(3.15A)

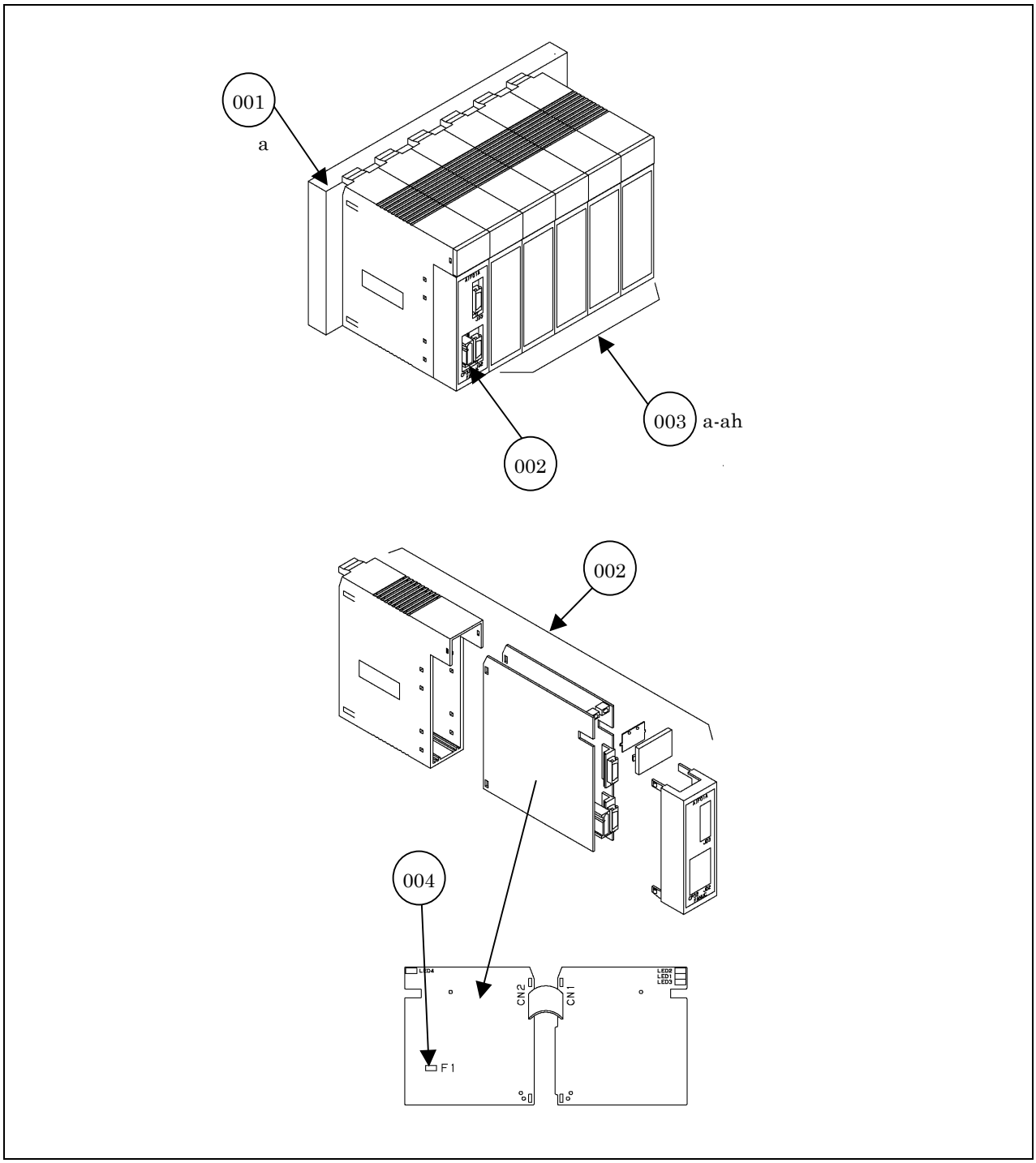
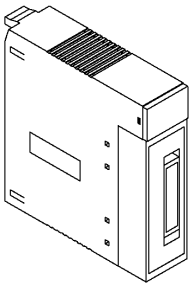
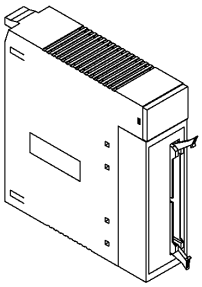


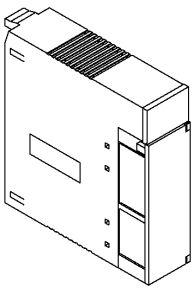
Fig.13.(a) I/O UNIT MODEL A



003a, 003b, 003e, 003f
003j, 003q, 003r, 003x



003h, 003i, 003l, 003y
003z, 003aa



003c, 003d, 003g, 003k
003o, 003p, 003v, 003w
003ab, 003ac, 003ad, 003ae
003af

Fig.13.(b) I/O UNIT MODEL A

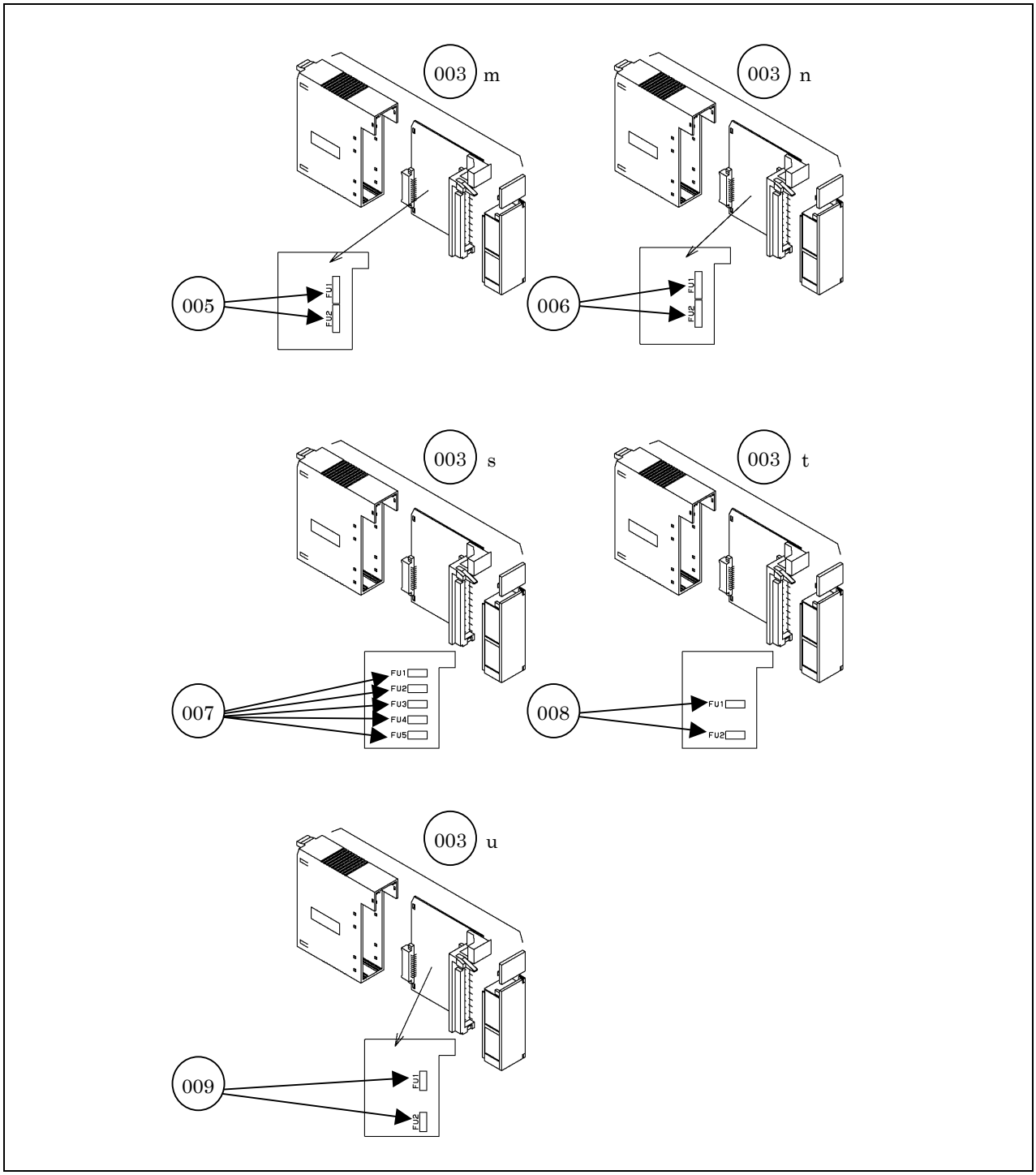


Fig.13.(c) I/O UNIT MODEL A

14 TEACH PENDANT

14.1 TEACH PENDANT

UNIT	ASSEMBLY NAME	SPECIFICATION
n-1	TEACH PENDANT	A05B-2301-C370-C375

(1 / 2)

UNIT	NO.	Q'TY	PARTS NAME	SPECIFICATION	PAGE	REMARK
n-1	001	1	KEYBOARD	A16B-2600-0070	2	
	002	1	LCD MODULE	A61L-0001-0119#A	2	
	003	1	CONTROL BOARD	A20B-2100-0300	2	
	004	1	ROM	A05B-2300-H500	2	
	005	1	LED BOARD	A20B-2000-0270	2	
	006	1	CABLE WITH SWITCH	A05B-2301-D010	2	EMERGENCY STOP
	007	1	CABLE WITH SWITCH	A05B-2301-D011	2	T.P. ENABLE
	008	1	CABLE WITH SWITCH	A05B-2301-D012	2	DEAD MAN
	009a	1	KEY SHEET	A98L-0001-0783#SWE3	2	FOR C370
	009b		KEY SHEET	A98L-0001-0783#MHE2	2	FOR C371
	009c		KEY SHEET	A98L-0001-0783#AWE2	2	FOR C372
	009d		KEY SHEET	A98L-0001-0783#SLE2	2	FOR C373
	009e		KEY SHEET	A98L-0001-0783#LSE2	2	FOR C374
	009f		KEY SHEET	A98L-0001-0783#GNE2	2	FOR C375
	010a	1	LED SHEET	A98L-0001-0785#SWE1	2	FOR C370
	010b		LED SHEET	A98L-0001-0785#MHE1	2	FOR C371
	010c		LED SHEET	A98L-0001-0785#AWE1	2	FOR C372
	010d		LED SHEET	A98L-0001-0785#SLE1	2	FOR C373
	010e		LED SHEET	A98L-0001-0785#LSE1	2	FOR C374
	010f		LED SHEET	A98L-0001-0785#GNE2	2	FOR C375

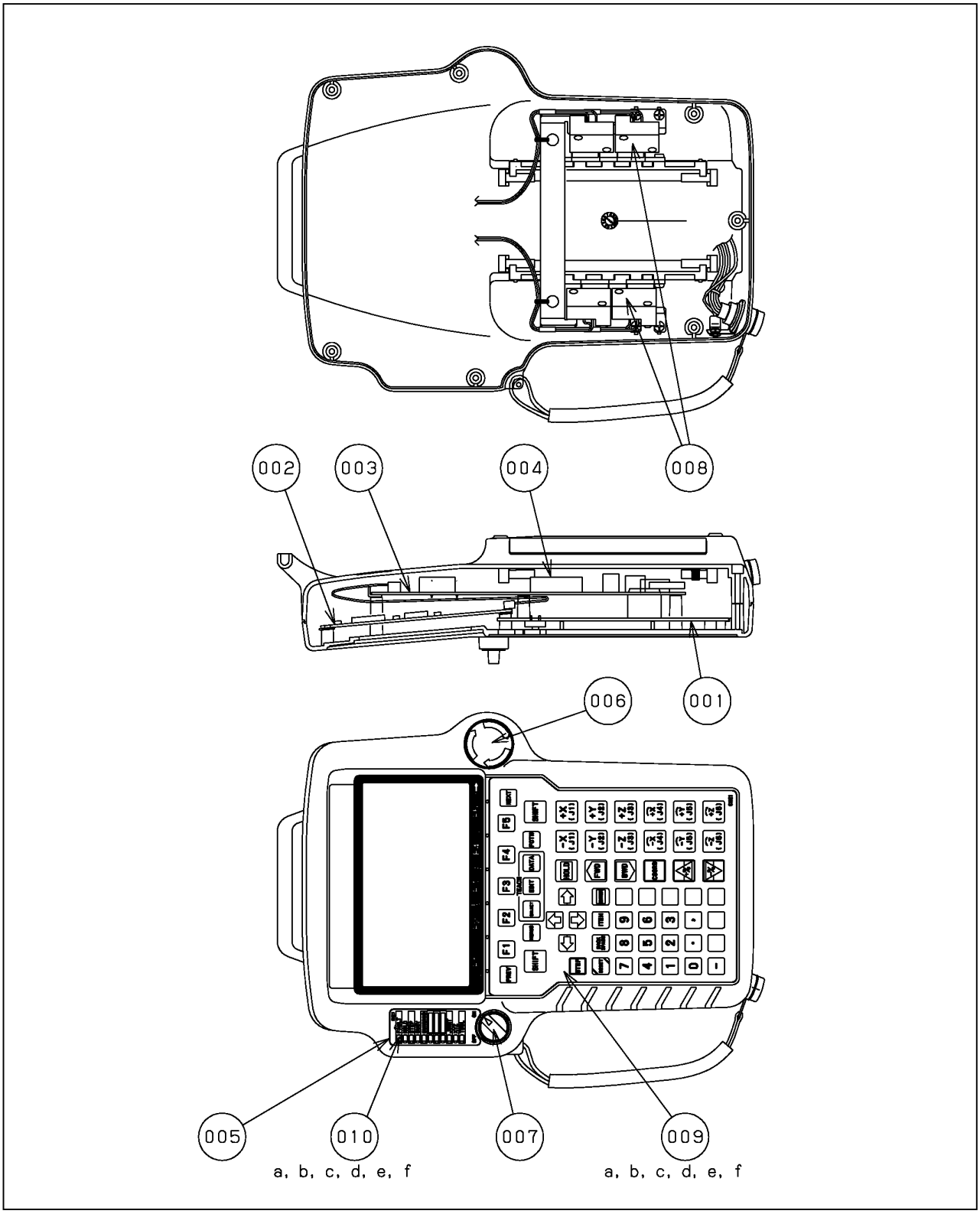


Fig.14.1 TEACH PENDANT

14.2 *i* PENDANT

UNIT	ASSEMBLY NAME	SPECIFICATION
n-2	*i* PENDANT	A05B-2490-C370-C376

(1 / 2)

UNIT	NO.	Q'TY	PARTS NAME	SPECIFICATION	PAGE	REMARK
n-2	001	1	*i* PENDANT	A05B-2490-C002	2	
	002a	1	KEY SHEET	A98L-0040-0151#SW1E2	2	FOR C370
	002b			A98L-0040-0151#MHE2	2	FOR C371
	002c			A98L-0040-0151#AWE2	2	FOR C372
	002d			A98L-0040-0151#SLE2	2	FOR C373
	002e			A98L-0040-0151#LSE2	2	FOR C374
	002f			A98L-0040-0151#GNE2	2	FOR C375
	002g			A98L-0040-0151#SW2E2	2	FOR C376

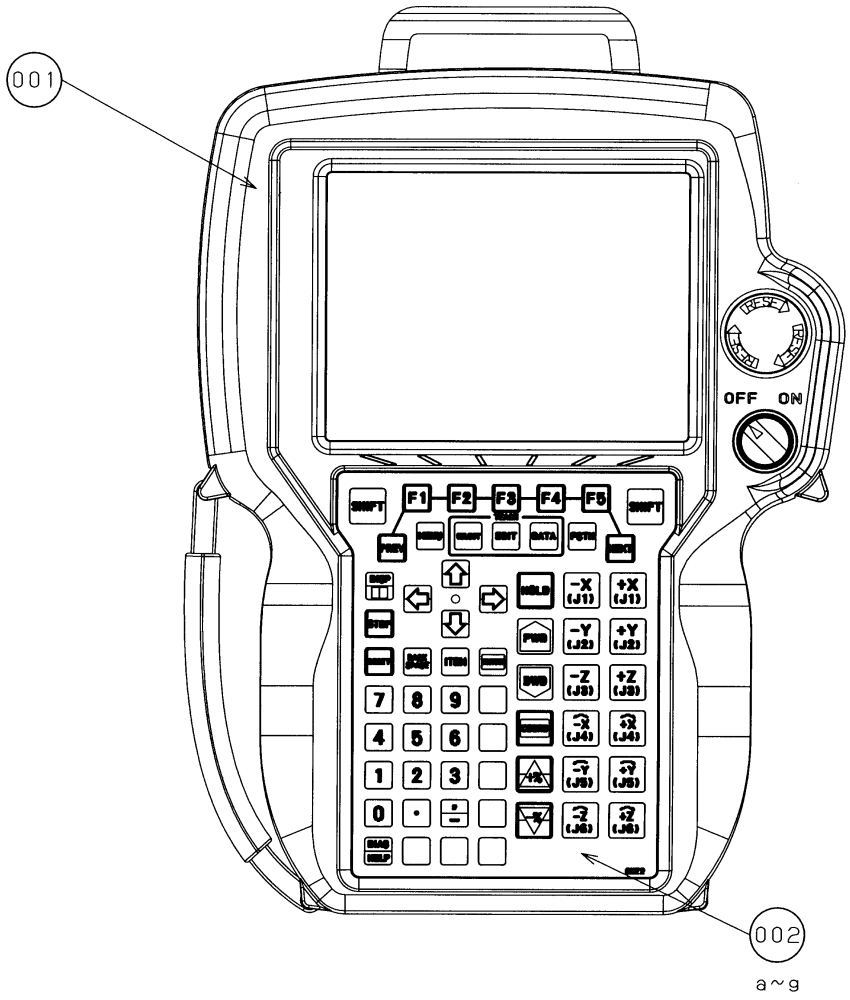


Fig.14.2 *i* PENDANT

15 TEACH PENDANT CABLE

15.1 TEACH PENDANT CABLE FOR A-CABINET

UNIT	ASSEMBLY NAME	SPECIFICATION
o-1	TEACH PENDANT CABLE	A05B-2451-H250 A05B-2451-H251

(1 / 1)

UNIT	NO.	Q'TY	PARTS NAME	SPECIFICATION	PAGE	REMARK
o-1	001a	1	TEACH PENDANT CABLE	A660-2004-T284#L11R03EB		10m
	001b			A660-2004-T284#L21R03EB		20m

15.2 TEACH PENDANT CABEL FOR B-CABINET

UNIT	ASSEMBLY NAME	SPECIFICATION
0-2	TEACH PENDANT CABLE	A05B-2452-H260 A05B-2452-H261

(1 / 1)

UNIT	NO.	Q'TY	PARTS NAME	SPECIFICATION	PAGE	REMARK
o-2	001a	1	TEACH PENDANT CABLE	A660-2004-T411#L12R03C		10m
	001b		TEACH PENDANT CABLE	A660-2004-T411#L22R03C		20m

16 TRANSFORMER

16.1 TRANSFORMER FOR A-CABINET

UNIT	ASSEMBLY NAME	SPECIFICATION	
p-1	TRANSFORMER	A05B-2451-H270 A05B-2451-H271 A05B-2451-H280	(1 / 1)

UNIT	NO.	Q'TY	PARTS NAME	SPECIFICATION	PAGE	REMARK
p-1	001a	1	TRANSFORMER	A80L-0024-0025	1	FOR 280 3KVA 440-480V 500-575V
	001b			A80L-0026-0035	1	FOR 270 7.5KVA 400-480V 500-575V
	001c			A80L-0028-0017	1	FOR 271 10.5KVA 440-480V 500-575V
	002	1	CABLE	A660-8013-T713#L080R0		TRANS-E-STOP UNIT

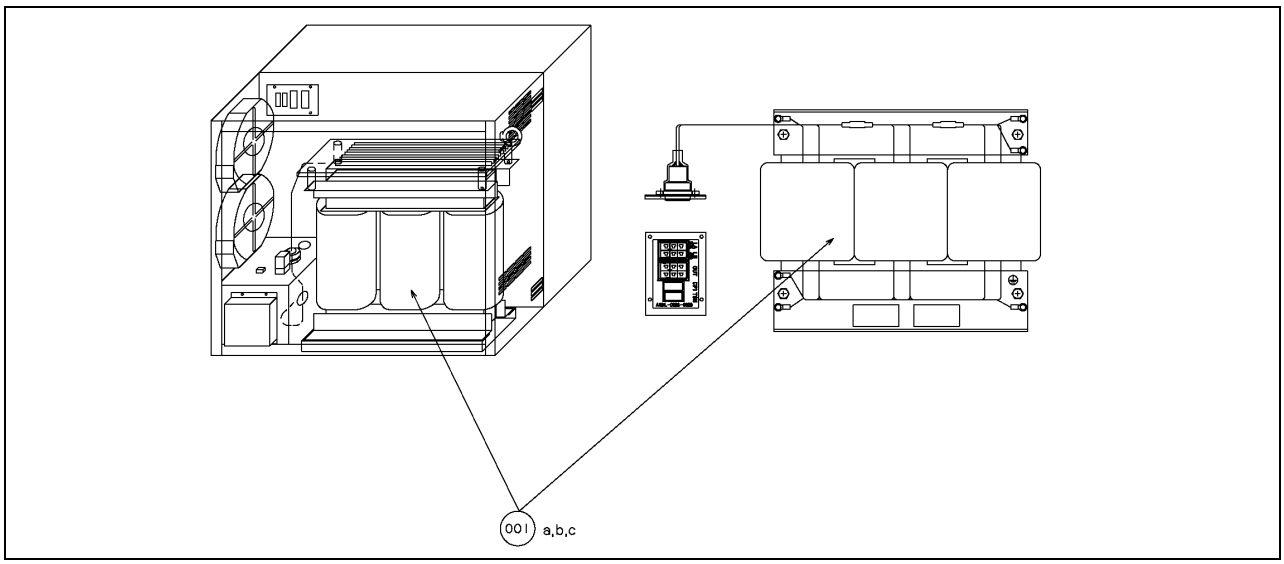


Fig.16.1 TRANSFORMER (A-CABINET)

16.2 TRANSFORMER FOR B-CABINET

UNIT	ASSEMBLY NAME	SPECIFICATION
p-2	TRANSFORMER	A05B-2452-H270 A05B-2452-H271 A05B-2452-H280

(1 / 1)

UNIT	NO.	Q'TY	PARTS NAME	SPECIFICATION	PAGE	REMARK
p-2	001a	1	TRANSFORMER	A80L-0024-0025	1	FOR H280 3KVA 440-480V / 500-575V
	001b			A80L-0026-0035	1	FOR H270 7.5KVA 440-480V / 500-575V
	001c			A80L-0028-0017	1	FOR H271 10.5KVA 440-480V / 500-575V
	002	1	CABLE	A660-8013-T713#L080R0	1	TRANS-E-STOP UNIT
	003	1	CABLE	A660-8013-T728#L400R0	1	TRANS-BREAKER

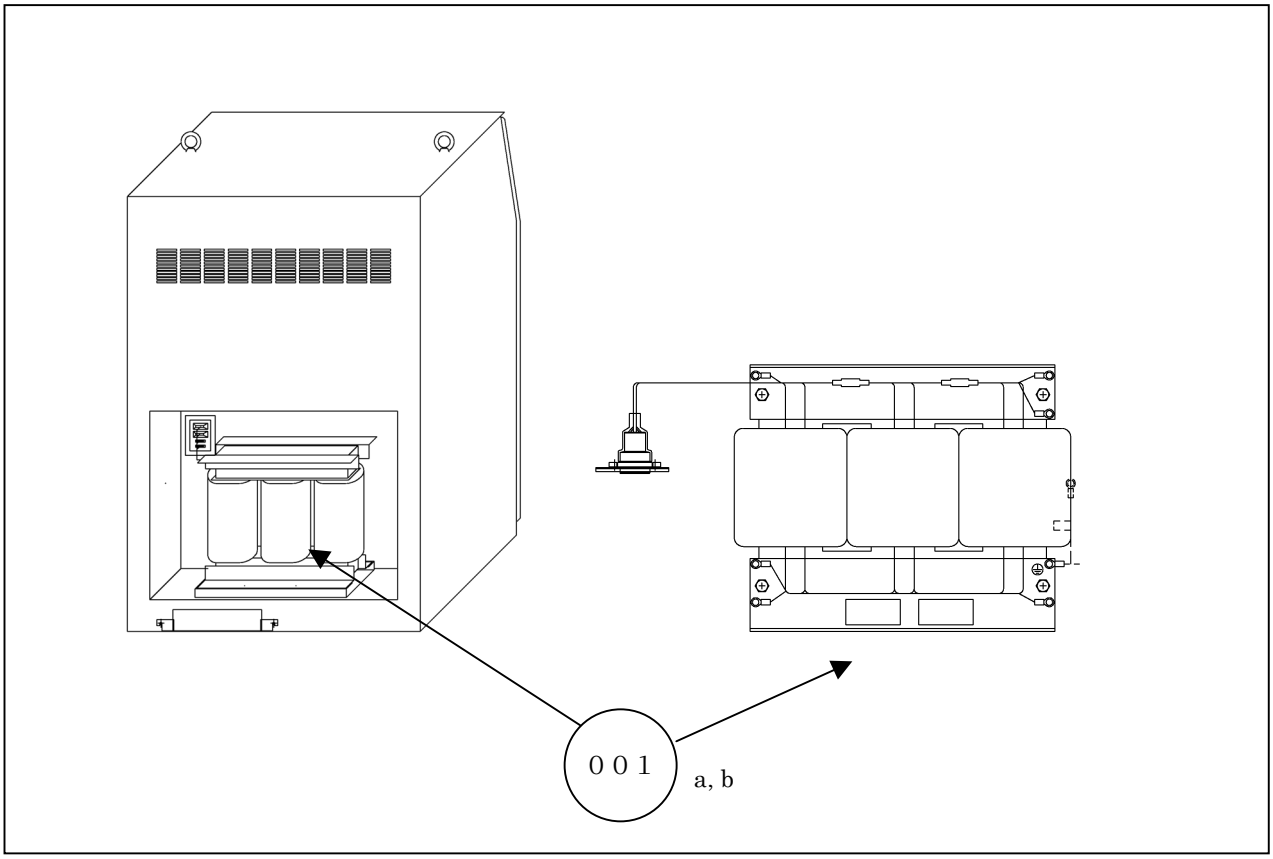


Fig.16.2 TRANSFORMER

17 HOUR METER

17.1 HOUR METER FOR A-CABINET

UNIT	ASSEMBLY NAME	SPECIFICATION
q-1	HOUR METER	A05B-2451-J310

(1 / 1)

UNIT	NO.	Q'TY	PARTS NAME	SPECIFICATION	PAGE	REMARK
q-1	001	1	HOUR METER	A91L-0001-0202		DIGITAL

17.2 HOUR METER FOR B-CABINET

UNIT	ASSEMBLY NAME	SPECIFICATION
r-1	HOUR METER	A05B-2452-J310

(1 / 1)

UNIT	NO.	Q'TY	PARTS NAME	SPECIFICATION	PAGE	REMARK
q-1	001	1	HOUR METER	A91L-0001-0202		DIGITAL

18 ROBOT CONNECTION CABLE / RCC I/F UNIT

18.1 ROBOT CONNECTION CABLE FOR A-CABINET

UNIT	ASSEMBLY NAME	SPECIFICATION	
r-1	ROBOT CONNECTION CABLE	REFER TO EACH SPECIFICATION	(1 / 1)

UNIT	NO.	Q'TY	PARTS NAME	SPECIFICATION	PAGE	REMARK
r-1	001	1	RP1 CABLE	A660-2005-T464#L7R603A		7m, Fixed type for Group1, Group2, Group3
				A660-2005-T464#L14R63A		14m,Fixed type for Group1, Group2, Group3
				A660-2005-T464#L20R63A		20m,Fixed type for Group1, Group2, Group3
				A660-2005-T541#L7R603A		7m, Flex type for Group1, Group2, Group3
				A660-2005-T541#L14R63A		14m,Flex type for Group1, Group2, Group3
				A660-2005-T541#L20R63A		20m,Flex type for Group1, Group2, Group3
	002a	1	RM1 CABLE	A660-4004-T080#L7R503		7m,Fixed type for Group1
				A660-4004-T080#L14R53		14m,Fixed type for Group1
				A660-4004-T080#L20R53		20m ,Fixed type for Group1
	002b			A660-4004-T084#L7R503		7m,Fixed type for Group2
				A660-4004-T084#L14R53		14m,Fixed type for Group2
				A660-4004-T084#L20R53		20m,Fixed type for Group2
				A660-4004-T202#L7R503		7m,Flex type for Group2
				A660-4004-T202#L14R53		14m,Flex type for Group2
				A660-4004-T202#L20R53		20m,Flex type for Group2
	002c			A660-4004-T183#L7R503		7m,Fixed type for Group3
				A660-4004-T183#L14R53		14m,Fixed type for Group3
				A660-4004-T183#L20R53		20m,Fixed type for Group3
	003	1	RM2 CABLE	A660-4004-T184#L7R503		7m,Fixed type for Group3
				A660-4004-T184#L14R53		14m,Fixed type for Group3
				A660-4004-T184#L20R53		20m,Fixed type for Group3
	004a	1	EARTH CABLE	A660-8011-T182#L7R603		7m for Group1, Group3
				A660-8011-T182#L14R63		14m for Group1, Group3
				A660-8011-T182#L20R63		20m for Group1, Group3
	004b			A660-8014-T130#L7R603		7m for Group2
				A660-8014-T130#L14R63		14m for Group2
				A660-8014-T130#L20R63		20m for Group2
	005	1	RCC I/F Unit	A05B-2451-D340		For Group3

→ See p.61 to check the robot connection cable group.

18.2 ROBOT CONNECTION CABLE FOR B-CABINET

UNIT	ASSEMBLY NAME	SPECIFICATION
r-2	ROBOT CONNECTION CABLE	REFER TO EACH SPECIFICATION

(1 / 2)

UNIT	NO.	Q'TY	PARTS NAME	SPECIFICATION	PAGE	REMARK
r-2	001a	1	RP1 CABLE	A660-2005-T464#L7R503		7m,Fixed type for Group1, Group2, Group3, Gropu4
				A660-2005-T464#L14R53		14m,Fixed type for Group1, Group2, Group3, Group4
				A660-2005-T464#L20R53		20m,Fixed type for Group1, Group2, Group3, Group4
	001b			A660-2005-T541#L7R503		7m,Flex Type for Group1, Group2, Group3, Group4
				A660-2005-T541#L14R53		14m,Flex Type for Group1, Group2, Group3, Group4
				A660-2005-T541#L20R53		20m,Flex Type for Group1, Group2, Group3,Group4
				A660-2005-T541#L30R53		30m,Flex Type for Group4
				A660-2005-T719#L40R53		40m,Flex Type for Group4
	002a	1	RM1 CABLE	A660-4003-T929#L7R503		7m,Fixed type for Group1
				A660-4003-T929#L14R53		14m,Fixed type for Group1
				A660-4003-T929#L20R53		20m,Fixed type for Group1
				A660-4003-T921#L7R503		7m,Flex type for Group1
				A660-4003-T921#L14R53		14m,Flex type for Group1
				A660-4003-T921#L20R53		20m,Flex type for Group1
	002b			A660-4004-T082#L7R503		7m,Fixed type for Group2
				A660-4004-T082#L14R53		14m,Fixed type for Group2
				A660-4004-T082#L21R53		20m,Fixed type for Group2
				A660-4004-T085#L7R503		7m,Flex type for Group2
				A660-4004-T085#L14R53		14m,Flex type for Group2
				A660-4004-T085#L21R53		20m,Flex type for Group2
	002c			A660-4004-T187#L7R503		7m,Fixed type for Group3
				A660-4004-T187#L14R53		14m,Fixed type for Group3
				A660-4004-T187#L20R53		20m,Fixed type for Group3
	002d			A660-4004-T211#L7R503		7m,Fixed type for Group4
				A660-4004-T211#L7R503		14m,Fixed type for Group4
				A660-4004-T211#L7R503		20m,Fixed type for Group4
				A660-4004-T193#L7R503		7m,Flex type for Group4
				A660-4004-T193#L14R53		14m,Flex type for Group4
				A660-4004-T193#L20R53		20m ,Flex type for Group4
				A660-4004-T193#L30R53		30m,Flex type for Group4
				A660-4004-T193#L40R53		40m,Flex type for Group4

→ See p.61 to check the robot connection cable group.

UNIT	NO.	Q'TY	PARTS NAME	SPECIFICATION	PAGE	REMARK
	003a	1	RM2 CABLE	A660-4004-T188#L7R503		7m,Fixed type for Group3
				A660-4004-T188#L14R53		14m,Fixed type for Group3
				A660-4004-T188#L20R53		20m,Fixed type for Group3
	003b			A660-4004-T212#L7R503		7m,Fixed type for Group4
				A660-4004-T212#L14R53		14m,Fixed type for Group4
				A660-4004-T212#L20R53		20m,Fixed type for Group4
				A660-4004-T194#L7R503		7m,Flex type for Group4
				A660-4004-T194#L14R53		14m,Flex type for Group4
				A660-4004-T194#L20R53		20m ,Flex type for Group4
				A660-4004-T194#L30R53		30m,Flex type for Group4
				A660-4004-T194#L40R53		40m,Flex type for Group4
	004a	1	EARTH CABLE	A660-8011-T182#L7R503		7m for Group1, Group3, Group4
				A660-8011-T182#L14R53		14m for Group1, Group3, Group4
				A660-8011-T182#L20R53		20m for Group1, Group3, Group4
				A660-8011-T182#L30R53		30m for Group4
				A660-8011-T182#L40R53		40m for Group4
	004b			A660-8014-T130#L7R503		7m for Group2
				A660-8014-T130#L14R53		14m for Group2
				A660-8014-T130#L20R53		20m for Group2
	004c			A660-8011-T180#L7R503		7m for Group5
				A660-8011-T180#L14R53		14m for Group5
				A660-8011-T180#L20R53		20m for Group5
	005	1	RCC I/F Unit	A05B-2452-D340		For Group3
	006	1	RMP CABLE	A660-4004-T091#L7R503		7m for Group5
				A660-4004-T091#L14R53		14m for Group5
				A660-4004-T091#L20R53		20m for Group5

Group1	R-2000*i*A/165F, R-2000*i*A/200F, R-2000*i*A/200FO, R-2000*i*A/165R, R-2000*i*A/200R, R-2000*i*A/125L, R-2000*i*A/165CF, M-420*i*A, M-421*i*A, S-500*i*B, M-710*i*B
Group2	ARC Mate 100*i*B, ARC Mate 120*i*B, M-6*i*B, M-16*i*B, F-200*i*B
Group3	S-900*i*B
Group4	R-2000*i*A/200T, M-410*i*B
Group5	LR Mate 200*i*B

19 DOOR INTERLOCK

UNIT	ASSEMBLY NAME	SPECIFICATION
s-1	DOOR INTERLOCK	REFER TO EACH SPECIFICATION

(1 / 1)

UNIT	NO.	Q'TY	PARTS NAME	SPECIFICATION	PAGE	REMARK
s-1	001a	1	DOOR INTERLOCK	A55L-0001-0014#A		STANDARD SWITCH
	001b			A57L-0001-0120		3-POSITION SWITCH

20 PERIPHERAL DEVICE CONNECTION CABLE

20.1 PERIPHERAL DEVICE CONNECTION CABLE FOR A-CABINET

UNIT	ASSEMBLY NAME	SPECIFICATION
t-1	PREPHERAL DEVICE CONNECTION CABLE	REFER TO EACH SPECIFICATION

(1 / 1)

UNIT	NO.	Q'TY	PARTS NAME	SPECIFICATION	PAGE	REMARK
t-1	001a	1	PREPHERAL DEVICE CONNECTION CABLE	A660-2005-T122#L10R33C		10m,CRM2
	001b			A660-2005-T122#L20R33C		20m,CRM2
	001c			A660-2005-T122#L30R33C		30m,CRM2
	002a	1	PREPHERAL DEVICE CONNECTION CABLE	A660-2005-T123#L10R33C		10m,CRM4
	002b			A660-2005-T123#L20R33C		20m,CRM4
	002c			A660-2005-T123#L30R33C		30m,CRM4
	003a	1	WELDING MACHINE CONNECTION CABLE	A660-2005-T554#L3R303B		3m,CRW1,FANUC I/F
	003b			A660-2005-T554#L7R303B		7m,CRW1,FANUC I/F
	003c			A660-2005-T554#L14R33B		14m,CRW1,FANUC I/F
	004a	1	WELDING MACHINE CONNECTION CABLE	A660-2005-T555#L3R303B		3m,CRW7,GENERAL I/F
	004b			A660-2005-T555#L7R303B		7m,CRW7,GENERAL I/F
	004c			A660-2005-T555#L14R33B		14m,CRW7,GENERAL I/F
	005a	1	WELDING MACHINE CONNECTION CABLE	A660-2005-T556#L3R303B		3m,CRW7,FANUC I/F
	005b			A660-2005-T556#L7R303B		7m,CRW7,FANUC I/F
	005c			A660-2005-T556#L14R33B		14m,CRW7,FANUC I/F

20.2 PERIPHERAL DEVICE CONNECTION CABLE FOR B-CABINET

UNIT	ASSEMBLY NAME	SPECIFICATION
t-2	PREPHERAL DEVICE CONNECTION CABLE	REFER TO EACH SPECIFICATION

(1 / 1)

UNIT	NO.	Q'TY	PARTS NAME	SPECIFICATION	PAGE	REMARK
t-2	001a	1	PREPHERAL DEVICE CONNECTION CABLE	A660-2005-T122#L10R03B		10m,CRM2
	001b			A660-2005-T122#L20R03B		20m,CRM2
	001c			A660-2005-T122#L30R03B		30m,CRM2
	002a	1	PREPHERAL DEVICE CONNECTION CABLE	A660-2005-T123#L10R03B		10m,CRM4
	002b			A660-2005-T123#L20R03B		20m,CRM4
	002c			A660-2005-T123#L30R03B		30m,CRM4
	003a	1	WELDING MACHINE CONNECTION CABLE	A660-2005-T554#L3R503A		3m,CRW1,FANUC I/F
	003b			A660-2005-T554#L7R503A		7m,CRW1,FANUC I/F
	003c			A660-2005-T554#L14R53A		14m,CRW1,FANUC I/F
	004a	1	WELDING MACHINE CONNECTION CABLE	A660-2005-T555#L3R503A		3m,CRW7,GENERAL I/F
	004b			A660-2005-T555#L7R503A		7m,CRW7,GENERAL I/F
	004c			A660-2005-T555#L14R53A		14m,CRW7,GENERAL I/F
	005a	1	WELDING MACHINE CONNECTION CABLE	A660-2005-T556#L3R503A		3m,CRW7,FANUC I/F
	005b			A660-2005-T556#L7R503A		7m,CRW7,FANUC I/F
	005c			A660-2005-T556#L14R53A		14m,CRW7,FANUC I/F

21 REGENERATIVE RESISTOR UNIT

21.1 REGENERATIVE RESISTOR UNIT FOR A-CABINET

UNIT	ASSEMBLY NAME	SPECIFICATION
u-1	REGENERATIVE RESISTOR UNIT	A05B-2451-C201 A05B-2451-C202 A05B-2451-C204

(1 / 1)

UNIT	NO.	Q'TY	PARTS NAME	SPECIFICATION	PAGE	REMARK
u-1	001a	1	REGENERATIVE RESISTOR	A05B-2451-C201	1	700W
	001b		REGENERATIVE RESISTOR	A05B-2451-C202	1	1000W
	001c		REGENERATIVE RESISTOR	A05B-2451-C204	1	1000W × 2

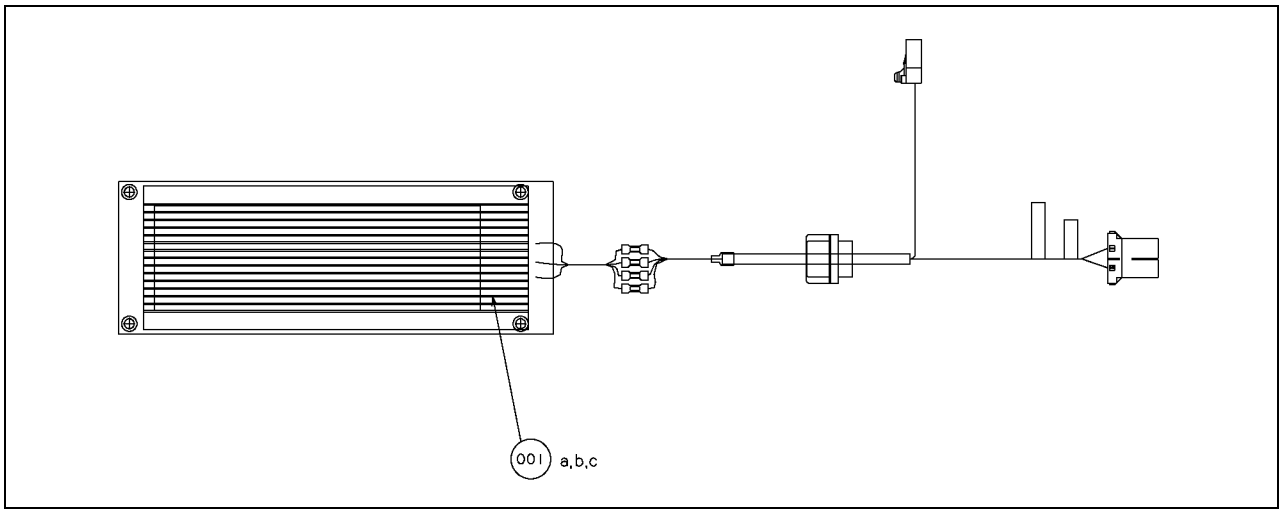


Fig.21.1 REGENERATIVE RESISTOR UNIT (A-CABINET)

21.2 REGENERATIVE RESISTOR UNIT FOR B-CABINET

UNIT	ASSEMBLY NAME	SPECIFICATION
u-2	REGENERATIVE RESISTOR UNIT	A05B-2452-C200 A05B-2452-C201

(1 / 1)

UNIT	NO.	Q'TY	PARTS NAME	SPECIFICATION	PAGE	REMARK
u-2	001a	1	REGENERATIVE RESISTOR UNIT	A05B-2452-C200	1	1000W
	001b			A05B-2452-C201	1	700W

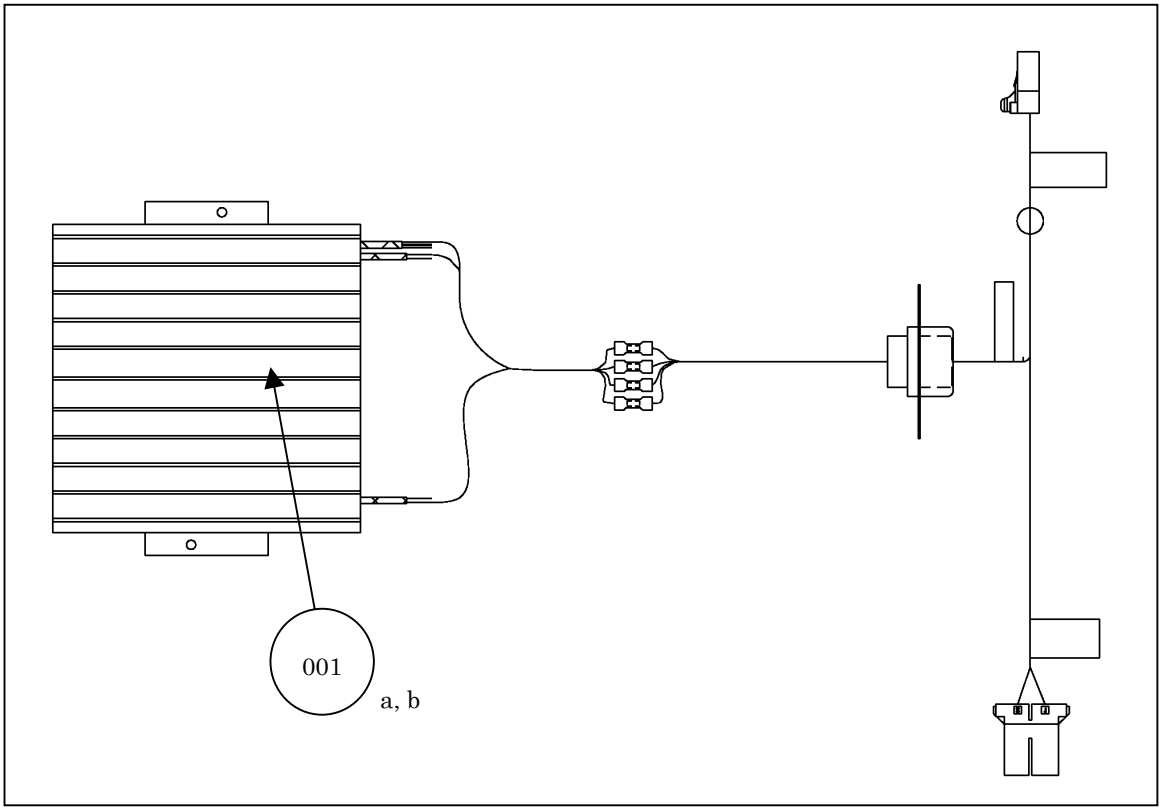


Fig.21.2 REGENARATIVE RESISTOR UNIT (B-CABINET)

22 FANUC PRINTER

UNIT	ASSEMBLY NAME	SPECIFICATION
v-1	FANUC PRINTER	A86L-0001-0103

(1 / 1)

UNIT	NO.	Q'TY	PARTS NAME	SPECIFICATION	PAGE	REMARK
v-1	001	1	FANUC PRINTER	A86L-0001-0103		

23 HANDY FILE

UNIT	ASSEMBLY NAME	SPECIFICATION
w-1	HANDY FILE	A13B-0159-B001

(1 / 1)

UNIT	NO.	Q'TY	PARTS NAME	SPECIFICATION	PAGE	REMARK
w-1	001	1	HANDY FILE	A13B-0159-B001		WITH RS-232-C CABLE

24 OPTION BOARD

UNIT	ASSEMBLY NAME	SPECIFICATION
x-1	OPTION BOARDS	REFER TO THE EACH SPECIFICATION

(1 / 1)

UNIT	NO.	Q'TY	PARTS NAME	SPECIFICATION	PAGE	REMARK
x-1	001	1	LINE TRACKING INTERFACE BOARD	A20B-8001-0870		
	002	1	PROFIBUS INTERFACE BOARD A	A20B-8001-0440		FOR SLAVE
	003	1	PROFIBUS INTERFACE BOARD A	A20B-8001-0470		FOR MASTER
	004	1	AUX.AXIS BOARD B	A20B-8100-0762		4 AXIS CONTROL
	005	1	AUX.AXIS BOARD C	A20B-8100-0761		6 AXIS CONTROL
	006	1	AUX.AXIS BOARD D	A20B-8100-0760		8 AXIS CONTROL
	007	1	DEVICENET BOARD A	A20B-8100-0651		FOR SLAVE
	008	1	DEVICENET BOARD B	A20B-8100-0490		FOR MASTER(DN)
				A20B-8100-0492		FOR MASTER(DNP)
	009	1	AB RIO INTERFACE	A20B-8001-0700		
	010	1	JEMANET	A20B-8100-0381		
	011	1	GENI MOTHER	A20B-8002-0050		
	012	1	GENI DAUGHTER	A15L-0001-0050		
	013	1	PC104 INTERFACE	A16B-2203-0190		
	014	1	CC-Link REMOTE DEVICE STAION PCB	A20B-8100-0951		

Revision Record

FANUC Robot series R-J3*i*B CONTROLLER (RIA R15.06-1999 COMPLIANT) PARTS MANUAL (B-81506EN)

04	Dec.,'02	Addition of R-2000iA/200FO,M-6iB/6C,M-16iB/10L, M-16iB/20T,M-16iB/10LT,ARC Mate 120iB/10L, ARC Mate 120iB/20T,ARC Mate 120IB/10LT, M-710iB/45T,M-710iB/70,M-710iB/70T, M-410iB/160,M-410iB/300,M-410iB/450 S-900iB/200,LR Mate 200iB,LR Mate 200iB/3L			
03	Apr.,'02	Addition of R-2000iA/200T, ARC Mate 120iB, M-16iB, M-420iA, M-421iA, M-710iB/45, M-710iB/45E, F-200iB, S-500iB, S-900iB/400, S-900iB/220L Addition of A-cabinet			
02	Nov.,'01	Addition of R-2000*i*A/200F, 165R, 200R, 125L, 165CF, M-6*i*B and ARC Mate 100*i*B			
01	Mar.,'01	_____			
Edition	**Date**	**Contents**	**Edition**	**Date**	**Contents**