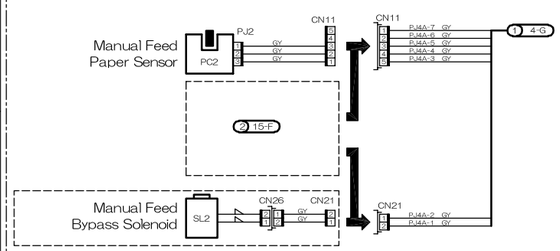
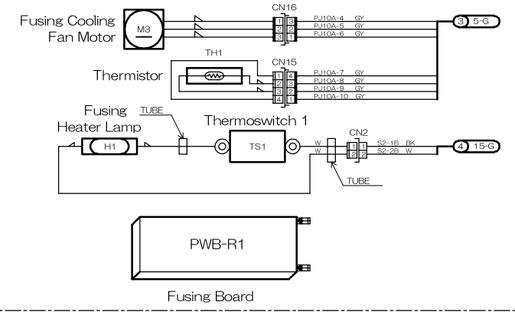
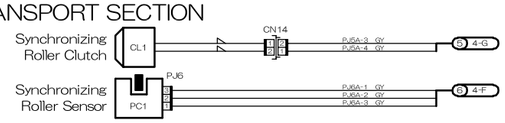
MANUAL BYPASS SECTION



FUSING SECTION



TRANSPORT SECTION



PAPER EXIT SECTION

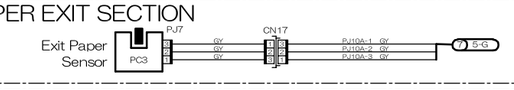
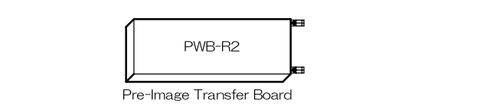
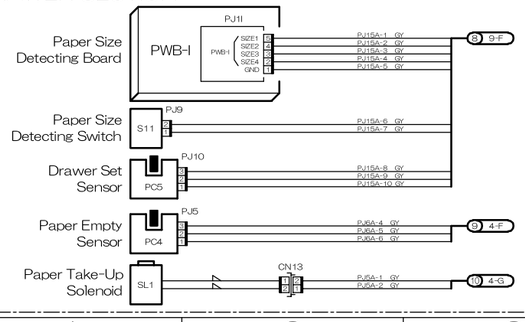


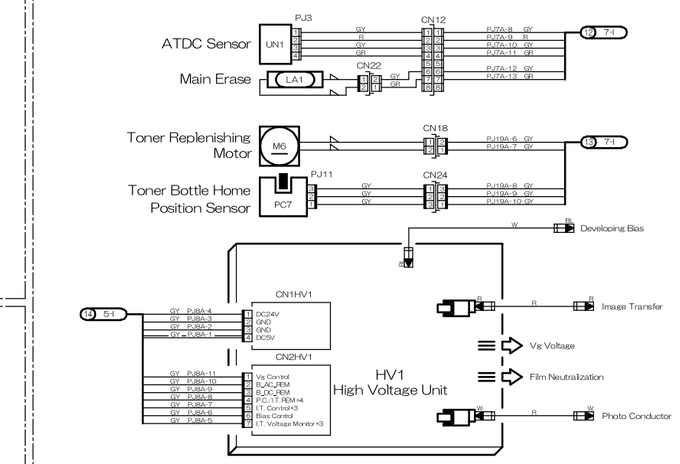
IMAGE TRANSFER SECTION



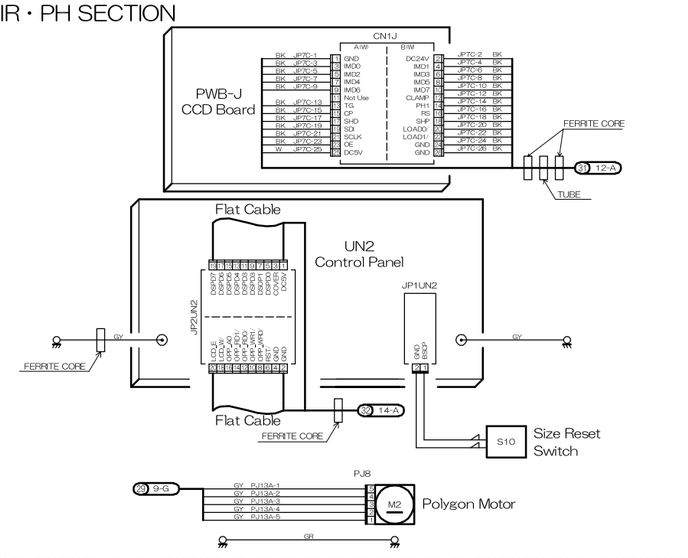
DRAWER SECTION

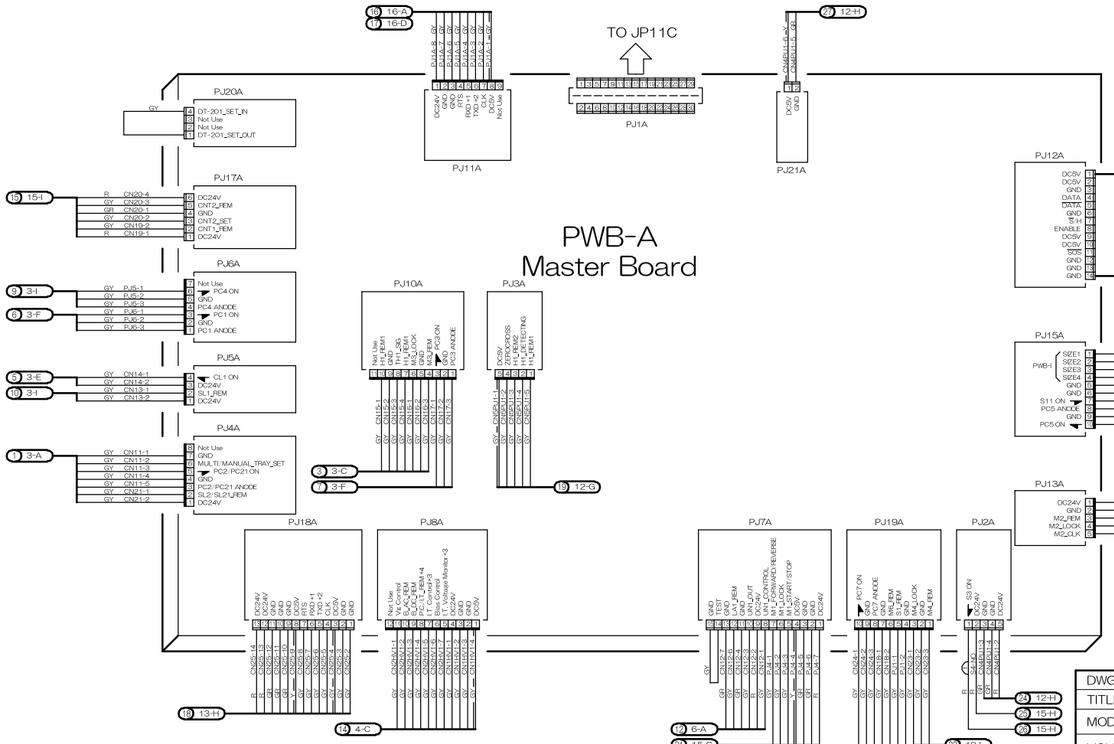


DEVELOPING SECTION



IR・PH SECTION





PWB-A Master Board

DWG.NO.	4021-B001-0A 1/2
TITLE	WIRING DIAGRAM
MODEL	Di152/Di183
VOLTAGE	AC100/115/120/127/ 200/220/240V
EFFECTIVE MACHINE NO.	XX0101 AND ONWARD
DATE ISSUED	Aug.2001

2/2

IR・PH SECTION

PWB-C
Control Board

JP1C JP2C JP3C JP4C JP5C JP6C JP7C JP8C JP9C JP10C JP11C JP13C JP14C JP15C JP18C

Flat Cable

TO PJ1A

PJ12 Scanner Motor M5

PJ13 PC6 Scaner Home Position Sensor

FERRITE CORE

LD1 Laser
PWB-B
LD Board
JP2LN2

PU2
Inverter Board
CN2PU2 CN1PU2
LA2 Exposure Lamp

POWER SUPPLY SECTION

CN3 R1 Flickerless Resistor (200V Areas Only)

CN1PU1 CN2PU1 CN3PU1 Not Use

CN5PU1 CN6PU1 CN4PU1

PU1
DC Power Supply

CN23 M4 Power Supply Cooling Fan Motor

CN1 PG1

OPTION

CN30 Memory for copier

CN25 PAPER FEEDING CABINET

CN1 CN7 CN6 ADF

JS-202

Bin Switching Motor M1 CN56

PJ62 PC35 Paper Empty Sensor

PJ1A PJ2A PJ3A

Upper Home Position Sensor PJ59 PC32

Lower Home Position Sensor PJ60 PC33

Full Detecting Sensor PJ61 PC34

PJ4A PWB-A Main Board

PJ5A CN27 PWB-B PJ1B Paper Detecting Board

OT-103

Shift Motor M1 CN55

PJ58 S31 Home Sensor

PJ1A PJ2A PJ3A PWB-A Main Board

MB-5

CN11 PJ57 PC21 Multple Bypass Paper Empty Sensor

CN21 CN54 SL21 Multple Bypass Solenoid

PJ4 M1 Main Motor

PJ1 S1 Main Switch

S2 Fusing Unit Interlock Switch

S3 Front Door Interlock Switch

S4 Right Door Interlock Switch

CN19 CNT1 Mechanical Counter (Option)

CN20 CNT2 Key Counter (Option)

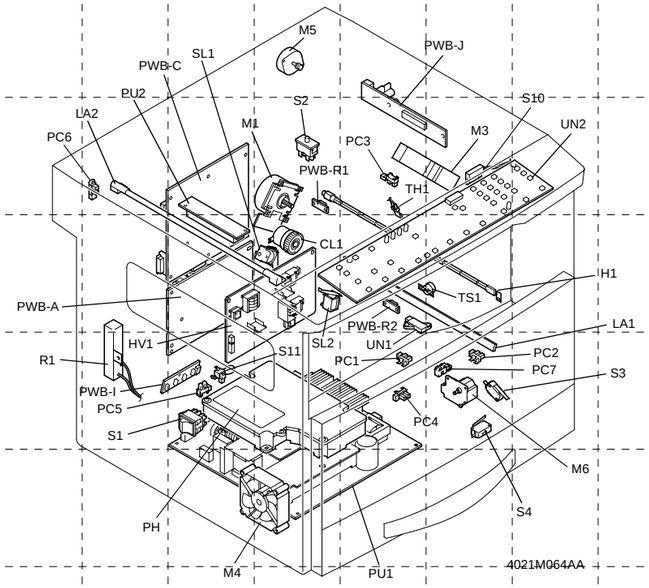
*1 RXD:Reception Data
*2 TXD:Transmission Data
*3 I.T.:Image Transfer
*4 P.C./I.T.:Photo Conductor/Image Transfer

DESCRIPTION
DESTINATION | LOCATION

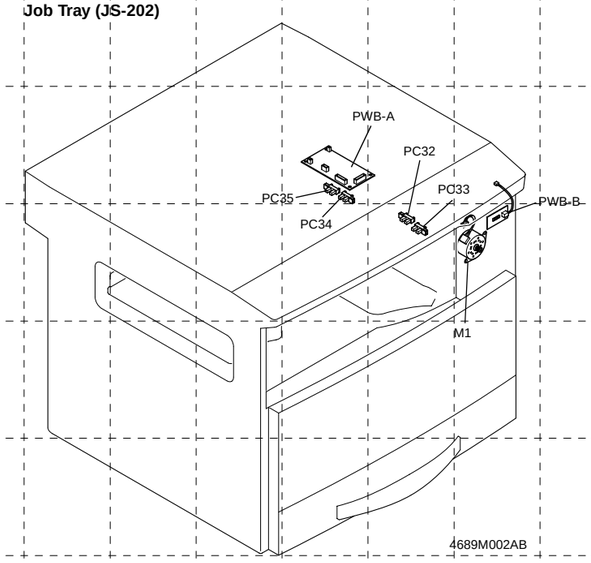
CLOSE END CONNECTORS LARGE
CLOSE END CONNECTORS MEDIUM
CLOSE END CONNECTORS SMALL
POSITIVE LOCK RECEPTACLE #250 WITH HOUSING
POSITIVE LOCK RECEPTACLE #187 WITH HOUSING
OUTPUT OF ACTIVE LOW
OUTPUT OF ACTIVE HIGH
INPUT OF ACTIVE LOW
INPUT OF ACTIVE HIGH
OUTPUT OF ACTIVE HIGH OR LOW
INPUT OF ACTIVE HIGH OR LOW
DC24V
DC5V

DWG.NO.	4021-B001-0A 2/2
TITLE	WIRING DIAGRAM
MODEL	Di152/Di183
VOLTAGE	AC100/115/120/127/ 200/220/240V
EFFECTIVE MACHINE NO.	XX0101 AND ONWARD
DATE ISSUED	Aug.2001

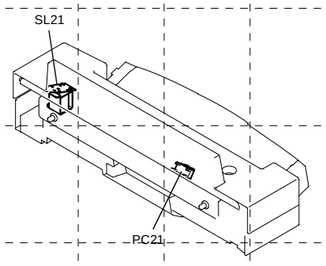
ELECTRICAL PARTS LAYOUT



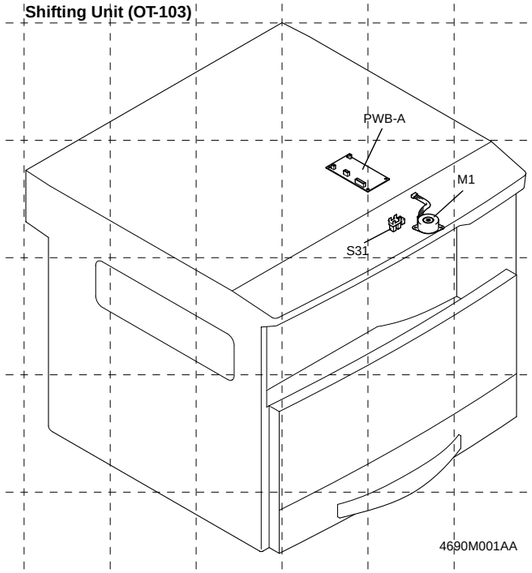
Job Tray (JS-202)



Multiple Bypass (MB-5)



Shifting Unit (OT-103)

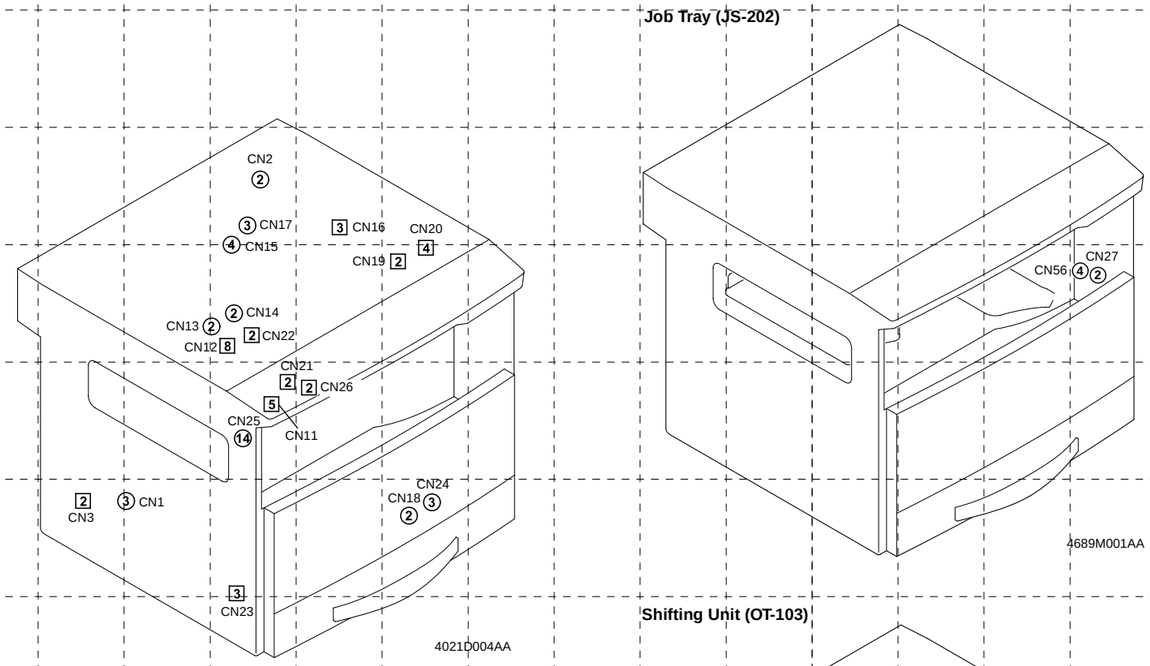


SYMBOL	PART NAME	LOCATION	GRID
CL1	Synchronizing Roller Clutch	1-E	4-D
CNT1	Total Counter (Option)	17-I	—
CNT2	Key Counter (Option)	17-I	—
H1	Fusing Heater Lamp	1-D	4~6-C~D
HV1	High Voltage Unit	4~5-C~D	3~4-D~E
LA1	Main Erase	4~5-A	5~6-D~E
LA2	Exposure Lamp	11-F	2~4-C~D
M1	Main Motor	16~17-G	4-C~D
M2	Polygon Motor ✻1	8-D	—
M3	Fusing Cooling Fan Motor	1-C	5~6-C
M4	Power Supply Cooling Fan Motor	11-I	3~4-F
M5	Scanner Motor	11-B	4-B
M6	Toner Replenishing Motor	4-B	6-E
PC1	Synchronizing Roller Sensor	1-E~F	5-E
PC2	Manual Feed Paper Sensor	1~2-A	6-E
PC3	Exit Paper Sensor	1-F	5-C
PC4	Paper Empty Sensor	1-I	5-E
PC5	Drawer Set Sensor	1-I	3-E
PC6	Scanner Home Position Sensor	14-A	2-C
PC7	Toner Bottle Home Position Sensor	4~5-B	6-E
PU1	DC Power Supply	10~12-G~I	3~5-E~F
PU2	Inverter Board	12~13-F	3-C~D
PWB-A	Master Board	4~8-E~H	3-D~E
PWB-B	LD Board ✻1	10~11-E~F	—
PWB-C	Control Board	11~14-A~E	3-C~D
PWB-I	Paper Size Detecting Board	1~2-H	2~3-E
PWB-J	CCD Board	7~8-A~B	5~6-B~C
PWB-R1	Fusing Board	1~2-D~E	4-C
PWB-R2	Pre-Image Transfer Board	1~2-G	5-D
R1	Flickerless Resistor ✻2	12-G	2-D~E
S1	Main Switch	16~17-G	3-E
S2	Fusing Unit Interlock Switch	16~17-G~H	4-C
S3	Front Door Interlock Switch	16~17-H	6-E
S4	Right Door Interlock Switch	16~17-H	6-E
S10	Size Reset Switch	9-C	6-C
S11	Paper Size Detecting Sensor	1-H	3-E
SL1	Paper Take-Up Solenoid	1-I	4-D
SL2	Manual Bypass Solenoid	1-B	4-D
TH1	Thermistor	2-C	5-C
TS1	Thermoswitch	2-D	5~6-D
UN1	ATDC Sensor	4~A	5-D
UN2	Control Panel	7~8-B~C	4~7-C~D
Multiple Bypass (Option)			
PC21	Multi Feed Bypass Paper Empty Sensor	16~17-F	5-J
SL21	Multiple Bypass Solenoid	17-F	3-I
Job Tray (Option)			
M1	Bin Switching Motor	16-A	14-D
PC32	Upper Home Position Sensor	16-B	13-D
PC33	Lower Home Position Sensor	16-B~C	13-D
PC34	Full Detecting Sensor	16-C	12-C
PC35	Paper Empty Sensor	17~18-A	12-C
PWB-A	Main Board	16~17-A~C	12-C
PWB-B	Paper Detecting Board	18-C	14-D
Shifting Unit (Option)			
PWB-A	Main Board	16~17-D~E	12~13-I
M1	Shift Motor	16-D	13-I
S31	Home Sensor	17-D	13-I

✻1: Components used in the PH Unit
✻2: 200 V AREAS Only

CONNECTORS LAYOUT

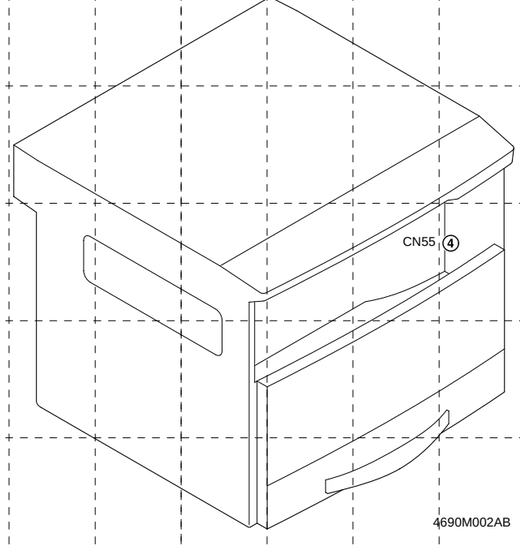
Job Tray (JS-202)



4021D004AA

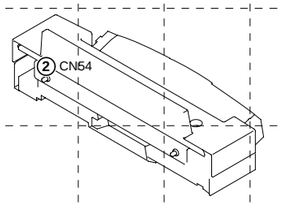
4689M001AA

Shifting Unit (OT-103)



4690M002AB

Multiple Bypass (MB-5)



4687M002AC

Description

Number of Pin → ① Possible to confirm by removing external cover.

Number of Pin → 1 Not possible to confirm by removing external cover.

CN No.		LOCATION	GRID
CN1	3P	11-I	2~3-F
CN2	2P	2-D	4-C
CN3	2P	11-G	2-F
CN11	5P	2-A	4-E
CN12	8P	5-A	4-D
CN13	2P	2-I	3~4-D
CN14	2P	2-E	4-D
CN15	4P	2-C~D	4-C~D
CN16	3P	2-C	5-C
CN17	3P	2-F	4-C
CN18	2P	5-B	6-F
CN19	2P	16-I	6-D
CN20	4P	16-I	6-C~D
CN21	2P	2-B	4-E
CN22	2P	5-A	4-D
CN23	3P	11-I	4-F~G
CN24	3P	5-B	6-F
CN25	14P	13-H	4-E
CN26	2P	2-B	5-E
Multiple Bypass (Option)			
CN54	2P	16-F	3-I
Job Tray (Option)			
CN27	2P	18-C	14-D
CN56	4P	16-A	14-D
Shifting Unit (Option)			
CN55	4P	16-C~D	14-I