D191/D193 POINT TO POINT DIAGRAM and Harnesses (1/2)

BCU (PCB7)

Paper Feed Solenoid SOL 1
Paper Feed Sensor S1
Vertical Transport Sensor S2
Paper End Sensor S3
Paper Lift Sensor S4
Registration Sensor S5
2 M026 2773
1 M026 5303
3 M026 2579
4 D191 5302
[1] To PSU
[Option] Mechanical Counter
77 M026 5310
5 M026 4599
Duplex Entrance Sensor S6
Duplex Cover Sensor S7
Inverter Sensor S8
6 M026 4651
Duplex Exit Sensor S9
Fusing Entrance Sensor S10
HVPS:D (PCB1)
By-pass Solenoid SOL 2
By-pass Paper End Sensor S11
By-pass Paper Size Sensor S12
7 M026 2625
8 M026 2652
[D193 model only]
Finisher
10 M3665200
ITB Contact Motor M1
Toner Supply Motor: K M2
Toner Supply Motor: M M3
Toner Supply Motor: C M4
Toner Supply Motor: Y M5
RFID-AFE (K) PCB2
RFID-AFE (C) PCB3
RFID-AFE (M) PCB4
RFID-AFE (Y) PCB5
RFID (PCB6)
11 D191 3233
Toner End Sensor: K S13
Toner End Sensor: M S14
Toner End Sensor: C S15
Toner End Sensor: Y S16
1bin LED
12 M370 5310
9 D191 5304
Lens Positioning Motor-M M6
Lens Positioning Motor-C M7
Lens Positioning Motor-Y M8
[8] 14 M026 5244
Waste Toner Bottle Set Switch SW1
Waste Toner Bottle Full Sensor S17
Toner Supply Fan FAN1
Laser Unit Fan FAN2
Ventilation Fan: Front FAN3
Ventilation Fan: Rear FAN4
[4] To HVPS: CB
15 M026 5311
13 M026 5308
[3] To HVPS: T1T2
16 M026 5315
17 M026 5307
Tray Lock Solenoid SOL 3
Tray Lift Motor M9
Paper Size Sensor SW2
[Option] PFU
PFU PB1000 18-1 M367 5300
PFU PB1010 18-2 M368 5300
FFC CN114

M10 Paper Feed Motor
M11 Registration Motor
M12 Duplex/By-pass Motor
20 M026 5340
M13 Inverter Motor
M14 Vertical Transport Motor
19 M026 5325
[7] To PSU
SW3 Interlock Switch
[Option]
21 M026 5300
Junction Gate Solenoid 2
Paper Sensor
1-Bin Tray Exit Sensor
1-Bin Tray Set Detection
22 M3705300
1 Bin Tray Unit
Right Door Switch
Right Tray Set Sensor
23 M026 5314
24-1 M028 4498 D193 models
24-2 M026 4499 D191 models
Paper Exit Sensor
Paper Overflow Sensor
Fusing Exit Sensor
Junction Gate Solenoid 1
Junction Gate Solenoid 2
25 M028 1159
Drum Phase Sensor: K
M15 Fusing/ Paper Exit Motor
M16 ITB Unit/ Drum: K/ Development: K Motor
26 M028 1159
Drum Phase Sensor: CMY
PCDU (C)
TD Sensor: C
27 M028 1047
28 M026 3161
29 M026 3160
CL1 Development Clutch: MCY
PCDU (K)
TD Sensor: K
30 M028 1190
31 M026 3166
32 M026 3160
ID Sensor Board (PCB8)
33 M026 6338
Temperature/Humidity Sensor
M17 Paper Transfer Roller Contact Motor
M18 Toner Collection Motor
Paper Transfer Roller Contact Sensor
34 M028 1155
35 M028 1157
36 G102 5534
ITB Rotation Sensor
38 M026 6157
ITB Contact Sensor
37 M028 1158
Thermopile
23 M026 5314
FAN5 Fusing Rear Fan
FAN6 Fusing Front Fan
FAN7 Drive Unit Fan
[Option] MKB
CN1 Mi2 6P
CN2 Mi2 7P
CN4 20P
Fusing Unit
39 D191 5306
[2] To PSU
Fusing AC (Heating 1)
Fusing AC (Heating 2)
COMMON (Heating)
Fusing AC (Pressure)
COMMON (Pressure)
Destination Detect 2
Destination Detect 3/ GND
Destination Detect 4
Set Detection
Destination Detect 1/ GND
Version Detect
New Unit Detection
TH1 Heating Roller Thermistor
TH2 Pressure Roller Thermistor
L1 Pressure Roller Fusing Lamp
L2 Heating Lamp
40-1 NA:M026 4349
40-2 EU:M026 4350
41 M026 5313
M19 Drum Motor: CMY
PCDU (M)
TD Sensor: M
42 M028 1047
43 M026 3161
44 M026 3160
PCDU (Y)
TD Sensor: Y
45 M028 1047
46 M026 3161
47 M026 3160
M20 Development Motor: CMY
48 M026 5334
IPU I/F
FFC 30P
49 M026 5333
FFC 50P
[5] IPU
76 M026 5247

D191/D193 POINT TO POINT DIAGRAM and Harnesses (2/2)

Scanner Unit
SBU (PCB9)
CN300 CN300 51 D191 5224 CN205 CN205 30P
CN301 CN301 52 M026 5220 CN215 CN215 17P
Main Power Switch SW5 CN1 2P
Scanner HP Sensor S31 CN2 3P CN217 CN217 8P
Cover Sensor S32 CN3 3P
53 D191 5221
LED-B (PCB10) CN310 FFC 10P CN320 LED-DB (PCB11) CN321 CN321 5P 54 D191 5223 CN216 CN216 5P
75 D191 5226
Scanner Motor M21 CN1 6P 55 D191 5222 CN214 CN214 6P

Laser Unit
57 M026 5245
LDB (KC) PCB12 CN1 CN2
LDB (YM) PCB13 CN4 CN3
CN10 CN11
56 M026 5246
JCN231 CN231 28P CN219 CN219 15P CN222 CN222 14P LD IF(K)
JCN232 CN232 26P CN220 CN220 13P LD IF(M) CN221 CN221 12P LD IF(C)
Polygon Mirror Motor M22 CN1 CN2
58 M026 5243
Laser Synchronizing Detector PCB14 CN1
14 M026 5244
JCN7 5P CN7 CT 3P CN10
CN19 5P CN20 5P CN21 5P 15P CN18
[8] BCU
76 M026 5247
JCN230 CN230 8P CN218 CN218 8P LD IF(Y)

IPU (PCB15)

ADF
66 D783 5050
CN213 CN213 16P
FUSE
NO. RATE
FU1 1.6A
FU2 5A
FU3 2A
FFC 50P CN201 48 (M026 5333)
FFC 30P CN202 49 (M026 5334)
2P CN203 50 (M026 5247)
[5] BCU
13P CN211 13 CN211 1

IPU Power
59 M026 5324
1 CN912 14 14P CN912

[7] Interlock Switch SW2 CN6 CN7 CN915 CN915 4P
19 (M026 5325)
[1] BCU Power CN101 CN911 CN911 11P
BCU Relay Tool CN913 CN913 13P
4 (D191 5302)

PSU (PCB16)
FUSE
No. DOM/NA EU/AA
FU1 to 4 10A 10A
FU6, 7 5A 5A
FU5, 8 2A 2A
3P CN904 CN904 39 (D191 5306) Fusing Unit
2P CN905 CN905
[2] BCU
67 M026 5329 Inlet T901(L) T902(N)
6P CN906 CN906 CN2 Tray Heater (Mainframe) [Option]
CN3 CN1 74 (M3685370) (Only for PB1010) CN2 Tray Heater (Optional Unit) [Option]
68 M026 5328
PSU Fan 1 FAN8 CN CN921
PSU Fan 2 FAN9 CN CN922

[3] BCU 15 (M026 5311)
CT 11P CN810 CT 10P CN811
B:Y B-1 T1 (Y) T2 (Y)
B:M B-2 T3 T4 (R)
B:C B-3 T5 (Y) T6 (B)
B:K B-4 T7 T8 (K)
69 M026 5320
C:K C-4 T15 T2
C:C C-3 T13 T4
C:M C-2 T11 T6
C:Y C-1 T9 T8
71 M026 5322
HVPS: C/B (PCB17)
Terminal Box
CN812 CN812 4P 70 M026 5321 CN1 JCN1
PCDU
T30 T29 T28 T27
Charge: FB: K
Charge: FB: C
Charge: FB: M
Charge: FB: Y
CN2 CT 4P
73 M026 5319
Securing Plate
HVPS: T1/T2 (PCB18)
T1T2:Y T1-1 T17 T1:Y T18
T1T2:M T1-2 T19 T1:M T20
T1T2:C T1-3 T21 T1:C T22
T1T2:K T1-4 T23 T1:K T24
T1T2:T2 T2 T25 T2 T26
72 M026 5323
ITB Unit
PTR Unit
CN820 10P
16 (M026 5315)
[4] BCU

Operation Panel (PCB19)
65 D191 5332 D192 1480
15P CN206 CN206 CN2 JCN2 CN2 CN1 LCDC CN619 15P
USB I/F CN207 A miniB CN2
80 M026 5331 D192 1481
CN1 SDUSB CN3 USB I/F
SDUSB CN4 USB Host
SDUSB CN1 SD CARD
RTB 48
Smart Operation Panel
CN1 15P
CN1 USB I/F
SDUSB CN4 USB Host
SDUSB CN1 SD CARD
[Option]

DIMM 32MB
FCU
CN604 CN615 CN603 CN616 CN611 CN612
[Option] Fax Unit
61 D791 5275
Speaker CN605 CN1 CN2 JCN CN1 Speaker
LINE CN608 CN2 CN1 63-1 NA:D791 5270 63-2 EU:D791 5271
TEL CN609 CN2 CN1 64-1 NA:D791 5273 64-2 EU:D791 5274
FCUIF-E
CN561 CN600
CN560 CN527 GWFCU-IF11 CN526
Controller Fan FAN10
NA:2P EU:6P
HDD (PCB21) 78 M026 5272
79 D144 5766
CN CN524 CN532 CN526 CN511
Controller Board (PCB20)
CN204 CN500
CN540 CN523 CN501
FUSE
No. RATE
FU1 5A
FU2 5A
FU3 5A
FU4 5A
IC21 IC22 CN541 CN533 CN515 CN504/505 CN509 CN510 CN506 CN508 CN507
[DIMM] 2GB
[Rio3 Option] IEEE802.11a/b/g/n MLB32
[SD CARD]
NIC
[USB Device]
[USB Host]

Connector (FROM)			Signal Information				Connector (TO)		
No	To Connector	Pin No	Signal Name	Direction	L	H	No	To Connector	Pin No
CN129	BCU CN129	1	Paper Feed Solenoid:+24VS2	P			CN1	Paper Feed Unit	14
		2	Paper Feed Solenoid:Control	→	ON	OFF			13
		3	Paper Feed Sensor:GND	G					12
		4	Paper Feed Sensor:Output	←	Detect	Not Detect			11
		5	Paper Feed Sensor:+5V	P					10
		6	Vertical Transport Sensor:GND	G					9
		7	Vertical Transport Sensor:Output	←	Detect	Not Detect			8
		8	Vertical Transport Sensor:+5V	P					7
		9	Paper End Sensor:GND	G					6
		10	Paper End Sensor:Output	←	Detect	Not Detect			5
		11	Paper End Sensor:+5V	P					4
		12	Paper Lift Sensor:GND	G					3
		13	Paper Lift Sensor:Output	←	Detect	Not Detect			2
		14	Paper Lift Sensor:+5V	P					1
		15	Registration Sensor:GND	G			JCN2		3
		16	Registration Sensor:Output	←	Detect	Not Detect			2
		17	Registration Sensor:+5V	P					1
JCN1	M0265303 CN1	1	Paper Feed Solenoid:+24VS2	P			JCN2	Paper Feed Solenoid	1
		2	Paper Feed Solenoid:Control	→	ON	OFF			2
		3	Paper Feed Sensor:GND	G			CN3	Paper Feed Sensor	3
		4	Paper Feed Sensor:Output	←	Detect	Not Detect			2
		5	Paper Feed Sensor:+5V	P					1
		6	Vertical Transport Sensor:GND	G			CN4	Paper Feed Sensor	3
		7	Vertical Transport Sensor:Output	←	Detect	Not Detect			2
		8	Vertical Transport Sensor:+5V	P					1
		9	Paper End Sensor:GND	G			CN5	Paper End Sensor	3
		10	Paper End Sensor:Output	←	Detect	Not Detect			2
		11	Paper End Sensor:+5V	P					1
		12	Paper Lift Sensor:GND	G			CN6	Paper Lift Sensor	3
		13	Paper Lift Sensor:Output	←	Detect	Not Detect			2
		14	Paper Lift Sensor:+5V	P					1
CN1	M0265303 JCN2	1	Registration Sensor:GND	G			CN2	Registration Sensor	3
		2	Registration Sensor:Output	←	Detect	Not Detect			2
		3	Registration Sensor:+5V	P					1
CN101	BCU CN101	1	24VS1	P			CN911	PSU	1
		2	24VS1	P					2
		3	GND	G					3
		4	GND	G					4
		5	5V	P					8
		6	GND	G					9
		7	24VS2	P					5
		8	24VS2	P					6
		9	GND	G					7
		10	24V	P					10
		11	24V	P					11
JCN29	Relay Tool	1	Relay Tool (24V)	P			CN913	PSU	13
		2	GND	G					12
		3	Relay Tool (trigger)	→					11
CN102	BCU CN102	1	5VE（For 1bin unit）	P					10
		2	PSU Cooling Fan Control Signal	→	OFF	ON			9
		3	Tray Heater Relay Trigger	→	OFF	ON			8
		4	Fusing Lamp Relay Trigger	→					7
		5	Heating lamp:Triac:Control:Edge	→					6
		6	Heating lamp:Triac:Control:Edge	→					5
		7	Heating lamp:Triac:Control:Center	→					4
		8	Zero-cross Signal	←	Detect	Not Detect			3
		9	GND	G					2
		10	24VS(For Fusing Lamp Relay)	P					1
CN126	BCU CN126	A1	Duplex Entrance Sensor:GND	G			JCN3	Duplex Entrance Sensor	15
		A2	Duplex Entrance Sensor:Output	←	Detect	Not Detect			14
		A3	Duplex Entrance Sensor:5V	P					13
		A4	Duplex Cover Sensor:GND	G				Duplex Cover Sensor	12
		A5	Duplex Cover Sensor:Output	←	Open	Close			11
		A6	Duplex Cover Sensor:+5V	P					10
		A7	Inverter Sensor:GND	G				Inverter Sensor	9
		A8	Inverter Sensor:Output	←	Detect	Not Detect			8
		A9	Inverter Sensor:+5V	P					7
		A10	Duplex Exit Sensor:GND	G				Duplex Exit Sensor	6
		A11	Duplex Exit Sensor:Output	←	Detect	Not Detect			5
		A12	Duplex Exit Sensor:+5V	P					4
		A13	Fusing Entrance Sensor:GND	G				Fusing Entrance Sensor	3
		A14	Fusing Entrance Sensor:Output	←	Detect	Not Detect			2
		A15	Fusing Entrance Sensor:+5V	P					1
		B1	HVPS:D:SC Detection	←	Trouble	Normal	JCN4	HVPS（D）	14
		B2	HVPS:D:Separation PWM	→	OFF	ON			13
		B3	HVPS:D:GND	G					12
		B4	HVPS:D:24VS2	P					11
		B5	By-pass Solenoid:+24VS2	P				By-pass Solenoid	10
		B6	By-pass Solenoid:Control	→	ON	OFF			9
		B7	By-pass Paper End Sensor:GND	G				By-pass Paper End Sensor	8
		B8	By-pass Paper End Sensor:Output	←	Not End	End			7
		B9	N.C.	N				N.C.	6
		B10	By-pass Paper Size Sensor:2	←				By-pass Paper Size Sensor	5
		B11	By-pass Paper Size Sensor:1	←					4
		B12	By-pass Paper Size Sensor:GND	G					3
		B13	By-pass Paper Size Sensor:4	←					2
		B14	By-pass Paper Size Sensor:3	←					1
		B15	N.C.	N					
CN121	BCU CN121	1	Mechanical Counter:+24V	P			CN1	Mechanical Counter:Relay	2
		2	Mechanical Counter:Control	G					1
		3	N.C.	N					
		4	N.C.	N					
		5	N.C.	N					
JCN1	CN5	1	Mechanical Counter:+24V	P			CN2	Mechanical Counter	2
		2	Mechanical Counter:Control	G					1
CN1	M0265302 JCN3	1	Duplex Entrance Sensor:GND	G			CN8	Duplex Entrance Sensor	3
		2	Duplex Entrance Sensor:Output	←	Detect	Not Detect			2
		3	Duplex Entrance Sensor:5V	P					1
		4	Duplex Cover Sensor:GND	G			CN9	Duplex Cover Sensor	3
		5	Duplex Cover Sensor:Output	←	Open	Close			2
		6	Duplex Cover Sensor:+5V	P					1
		7	Inverter Sensor:GND	G			JCN7	Inverter Sensor	3
		8	Inverter Sensor:Output	←	Detect	Not Detect			2
		9	Inverter Sensor:5V	P					1
		10	Duplex Exit Sensor:GND	G			CN6	Duplex Exit Sensor	3
		11	Duplex Exit Sensor:Output	←	Detect	Not Detect			2
		12	Duplex Exit Sensor:+5V	P					1
		13	Fusing Entrance Sensor:GND	G			CN5	Fusing Entrance Sensor	3
		14	Fusing Entrance Sensor:Output	←	Detect	Not Detect			2
		15	Fusing Entrance Sensor:+5V	P					1
CN2	M0265302 JCN4	1	HVPS:D:SC Detection	←	Trouble	Normal	CN4	HVPS（D）	4
		2	HVPS:D:Separation PWM	→	OFF	ON			3
		3	HVPS:D:GND	G					2
		4	HVPS:D:24VS2	P					1
		5	By-pass Solenoid:+24VS2	P			JCN3	By-pass Tray	4
		6	By-pass Solenoid:Control	→	ON	OFF			3
		7	By-pass Paper End Sensor:GND	G					2
		8	By-pass Paper End Sensor:Output	←	Not End	End			1
		9	N.C.	N					
		10	By-pass Paper Size Sensor:2	←			JCN10	By-pass Paper Size Sensor	5
		11	By-pass Paper Size Sensor:1	←					4
		12	By-pass Paper Size Sensor:GND	G					3
		13	By-pass Paper Size Sensor:4	←					2
		14	By-pass Paper Size Sensor:3	←					1
CN1	M0264599 JCN7	1	Inverter Sensor:GND	G			CN2	Inverter Sensor	3
		2	Inverter Sensorr:Output	←	Detect	Not Detect			2
		3	Inverter Sensorr:+5V	P					1
CN1	M0264599 JCN3	1	By-pass Solenoid:+24VS2	P			CN2	By-pass Solenoid	4
		-	N.C.	N					3
		-	N.C.	N					2
		2	By-pass Solenoid:Control	→	ON	OFF			1
		3	By-pass Paper End Sensor:Output	G			CN3	By-pass Paper End Sensor	2
		4	By-pass Paper End Sensor:GND	←	Not End	End			1
CN1	JCN10	1	By-pass Paper Size Sensor:2	←			CN2	By-pass Paper Size Sensor	6
		2	By-pass Paper Size Sensor:1	←					5
		-	N.C.	N					4
		3	By-pass Paper Size Sensor:GND	G					3
		4	By-pass Paper Size Sensor:4	←					2
		5	By-pass Paper Size Sensor:3	←					1

Connector (FROM)			Signal Information				Connector (TO)		
No	To Connector	Pin No	Signal Name	Direction	L	H	No	To Connector	Pin No
CN117	BCU CN117	1	Finisher:RXD	←			JCN1	Finisher	12
		2	Finisher:TXD	→					11
		3	Finisher:GND(5V)	G					10
		4	Finisher:GND(5V)	G					9
		5	Finisher:GND(24V)	G					8
		6	Finisher:GND(24V)	G					7
		7	Finisher:GND(24V)	G					6
		8	Finisher:GND(24V)	G					5
		9	Finisher:24V	P					4
		10	Finisher:24V	P					3
		11	Finisher:24V	P					2
		12	Finisher:24V	P					1
CN115	BCU CN115	1	ITB Contact Motor:OUT1A	→	OFF	ON	JCN2	ITB Contact Motor	2
		2	ITB Contact Motor:OUT1B	→	OFF	ON			1
		3	Toner Supply Motor:K:OUT1A	→	OFF	ON	JCN3	Toner Supply Motor:K	2
		4	Toner Supply Motor:K:OUT1B	→	OFF	ON			1
		5	Toner Supply Motor:M:OUT2A	→	OFF	ON	JCN4	Toner Supply Motor:M	2
		6	Toner Supply Motor:M:OUT2B	→	OFF	ON			1
		7	Toner Supply Motor:C:OUT1A	→	OFF	ON	JCN5	Toner Supply Motor:C	2
		8	Toner Supply Motor:C:OUT1B	→	OFF	ON			1
		9	Toner Supply Motor:Y:OUT2A	→	OFF	ON	JCN6	Toner Supply Motor:Y	2
		10	Toner Supply Motor:Y:OUT2B	→	OFF	ON			1
		11	RFID:GND	G			CN500	RFID	6
		12	RFID:+5V	P					5
		13	RFID:TXD	→					4
		14	RFID:RXD	←					3
		15	RFID:Reset	→	Reset	Not Reset			2
		16	RFID:GND	G					1
		17	Toner End Sensor:K:GND	G			CN8	Toner End Sensor:K	3
		18	Toner End Sensor:K:Output	←	Toner Empty	Toner Remaining			2
		19	Toner End Sensor:K:+5V_TE	P					1
		20	Toner End Sensor:M:GND	G			CN9	Toner End Sensor:M	3
		21	Toner End Sensor:M:Output	←	Toner Empty	Toner Remaining			2
		22	Toner End Sensor:M:+5V_TE	P					1
		23	Toner End Sensor:C:GND	G			CN10	Toner End Sensor:C	3
		24	Toner End Sensor:C:Output	←	Toner Empty	Toner Remaining			2
		25	Toner End Sensor:C:+5V_TE	P					1
		26	Toner End Sensor:Y:GND	G			CN11	Toner End Sensor:Y	3
		27	Toner End Sensor:Y:Output	←	Toner Empty	Toner Remaining			2
		28	Toner End Sensor:Y:+5V_TE	P					1
		29	1bin Unit:LED:5VE	P			JCN14	1bin:LED	2
		30	1bin Unit:LED:Control	→	OFF	ON			1
		31	N.C.	N					
		32	N.C.	N					
CN200	JCN1	1	Finisher:RXD	←			CN101	Finisher	7
		2	Finisher:TXD	→					5
		3	Finisher:GND(5V)	G					2
		4	Finisher:GND(5V)	G					1
		5	Finisher:GND(24V)	G			CN100		9
		6	Finisher:GND(24V)	G					8
		7	Finisher:GND(24V)	G					7
		8	Finisher:GND(24V)	G					6
		9	Finisher:24V	P					5
		10	Finisher:24V	P					4
		11	Finisher:24V	P					3
		12	Finisher:24V	P					2
CN1	RFID CN501	1	GND	G			CN2	RFID	5
		2	AFE_TXD	→					4
		3	AFE_RXD	←					3
		4	CLK_3	→					2
		5	5V	P					1
		6	GND	G			CN3		5
		7	AFE_TXD	→					4
		8	AFE_RXD	←					3
		9	CLK_2	→					2
		10	5V	P					1
		11	GND	G			CN4		5
		12	AFE_TXD	→					4
		13	AFE_RXD	←					3
		14	CLK_1	→					2
		15	5V	P					1
		16	GND	G			CN5		5
		17	AFE_TXD	→					4
		18	AFE_RXD	←					3
		19	CLK_0	→					2
		20	5V	P					1
CN560	JCN14	1	1bin Unit:LED:5VE	P			CN551	1bin:LED	2
		2	1bin Unit:LED:Control	→	OFF	ON			1
CN118	BCU CN118	1	Lens Positioning Motor:M:/A Phase	→	Excite OFF	Excite ON	JCN1	Lens Positioning Motor	15
		2	Lens Positioning Motor:M:/B Phase	→	Excite OFF	Excite ON			14
		3	Lens Positioning Motor:M:+24V	P					13
		4	Lens Positioning Motor:M:B Phase	→	Excite OFF	Excite ON			12
		5	Lens Positioning Motor:M:A Phase	→	Excite OFF	Excite ON			11
		6	Lens Positioning Motor:C:/A Phase	→	Excite OFF	Excite ON			10
		7	Lens Positioning Motor:C:/B Phase	→	Excite OFF	Excite ON			9
		8	Lens Positioning Motor:C:+24V	P					8
		9	Lens Positioning Motor:C:B Phase	→	Excite OFF	Excite ON			7
		10	Lens Positioning Motor:C:A Phase	→	Excite OFF	Excite ON			6
		11	Lens Positioning Motor:Y:/A Phase	→	Excite OFF	Excite ON			5
		12	Lens Positioning Motor:Y:/B Phase	→	Excite OFF	Excite ON			4
		13	Lens Positioning Motor:Y:+24V	P					3
		14	Lens Positioning Motor:Y:B Phase	→	Excite OFF	Excite ON			2
		15	Lens Positioning Motor:Y:A Phase	→	Excite OFF	Excite ON			1
		16	Waste Toner Bottle Set Sensor:Setting Detection	←	Set	Not Set	CN9	Waste Tone Bottle Set Sensor	2
		17	Waste Tone Bottle Set Sensor:GND	G					1
		18	Waste Tone Bottle Full Sensor:GND	G			CN10	Waste Tone Bottle Full Sensor	3
		19	Waste Tone Bottle Full Sensor:Output	←	Normal	Trouble			2
		20	Waste Tone Bottle Full Sensor:5V	P					1
CN119	BCU CN119	1	Ventilation Fan Front:Control	→	OFF	ON	CN13	Ventilation Fan Front	3
		2	Ventilation Fan Front:Locking Detection	←	Normal	Trouble			2
		3	Ventilation Fan Front:GND	G					1
		4	Ventilation Fan Rear:Control	→	OFF	ON	CN14	Ventilation Fan Rear	3
		5	Ventilation Fan Rear:Locking Detection	←	Normal	Trouble			2
		6	Ventilation Fan Rear:GND	G					1
		7	Laser Unit Fan:Control	→	OFF	ON			
		8	Laser Unit Fan:Locking Detection	←	Normal	Trouble			
		9	Laser Unit Fan:GND	G					
		10	Toner Supply Fan:Control	→	OFF	ON	JCN7	Toner Supply Fan	3
		11	Toner Supply Fan:Locking Detection	←	Normal	Trouble			2
		12	Toner Supply Fan:GND	G					1
		13	N.C.	N			JCN4	N.C.	3
		14	N.C.	N					2
		15	N.C.	N					1
CN124	BCU CN124	1	HVPS:C/B:SC Detection	←	Trouble	Normal	CN5	HVPS:C/B	11
		2	HVPS:C/B:Charge AC:FB:K	←					10
		3	HVPS:C/B:Charge AC:FB:C	←					9
		4	HVPS:C/B:Charge AC:FB:M	←					8
		5	HVPS:C/B:Charge AC:FB:Y	←					7
		6	HVPS:C/B:Development:PWM:K	→	OFF	ON			6
		7	HVPS:C/B:Development:PWM:C	→	OFF	ON			5
		8	HVPS:C/B:Development:PWM:M	→	OFF	ON			4
		9	HVPS:C/B:Development:PWM:Y	→	OFF	ON			3
		10	HVPS:C/B:GND	G					2
		11	HVPS:C/B:+24VS2	P					1
		12	HVPS:C/B:Charge AC:PWM:K	→	OFF	ON			22
		13	HVPS:C/B:Charge AC:PWM:C	→	OFF	ON			21
		14	HVPS:C/B:Charge AC:PWM:M	→	OFF	ON			20
		15	HVPS:C/B:Charge AC:PWM:Y	→	OFF	ON			19
		16	HVPS:C/B:Charge AC:Torigger	→	OFF	ON			18
		17	HVPS:C/B:Charge AC:Basis CLK	→					17
		18	HVPS:C/B:Charge DC:PWM:K	→	OFF	ON			16
		19	HVPS:C/B:Charge DC:PWM:C	→	OFF	ON			15
		20	HVPS:C/B:Charge DC:PWM:M	→	OFF	ON			14
		21	HVPS:C/B:Charge DC:PWM:Y	→	OFF	ON			13
		22	N.C	N					12

Connector (FROM)			Signal Information				Connector (TO)		
No	To Connector	Pin No	Signal Name	Direction	L	H	No	To Connector	Pin No
CN18	JCN1	1	Lens Positioning Motor:M:/A Phase	→	Excite OFF	Excite ON	CN19	Lens Positioning Motor:M	5
		2	Lens Positioning Motor:M:/B Phase	→	Excite OFF	Excite ON			4
		3	Lens Positioning Motor:M:+24V	P					3
		4	Lens Positioning Motor:M:B Phase	→	Excite OFF	Excite ON			2
		5	Lens Positioning Motor:M:A Phase	→	Excite OFF	Excite ON			1
		6	Lens Positioning Motor:C:/A Phase	→	Excite OFF	Excite ON	CN20	Lens Positioning Motor:C	5
		7	Lens Positioning Motor:C:/B Phase	→	Excite OFF	Excite ON			4
		8	Lens Positioning Motor:C:+24V	P					3
		9	Lens Positioning Motor:C:B Phase	→	Excite OFF	Excite ON			2
		10	Lens Positioning Motor:C:A Phase	→	Excite OFF	Excite ON			1
		11	Lens Positioning Motor:Y:/A Phase	→	Excite OFF	Excite ON	CN21	Lens Positioning Motor:Y	5
		12	Lens Positioning Motor:Y:/B Phase	→	Excite OFF	Excite ON			4
		13	Lens Positioning Motor:Y:+24V	P					3
		14	Lens Positioning Motor:Y:B Phase	→	Excite OFF	Excite ON			2
		15	Lens Positioning Motor:Y:A Phase	→	Excite OFF	Excite ON			1
JCN11	CN5	1	HVPS:C/B:SC Detection	←	Trouble	Normal	C810	HVPS:C/B	11
		2	HVPS:C/B:Charge AC:FB:K	←					10
		3	HVPS:C/B:Charge AC:FB:C	←					9
		4	HVPS:C/B:Charge AC:FB:M	←					8
		5	HVPS:C/B:Charge AC:FB:Y	←					7
		6	HVPS:C/B:Development:PWM:K	→	OFF	ON			6
		7	HVPS:C/B:Development:PWM:C	→	OFF	ON			5
		8	HVPS:C/B:Development:PWM:M	→	OFF	ON			4
		9	HVPS:C/B:Development:PWM:Y	→	OFF	ON			3
		10	HVPS:C/B:GND	G					2
		11	HVPS:C/B:+24VS2	P					1
		12	HVPS:C/B:Charge AC:PWM:K	→	OFF	ON	C811		10
		13	HVPS:C/B:Charge AC:PWM:C	→	OFF	ON			9
		14	HVPS:C/B:Charge AC:PWM:M	→	OFF	ON			8
		15	HVPS:C/B:Charge AC:PWM:Y	→	OFF	ON			7
		16	HVPS:C/B:Charge AC:Torigger	→	OFF	ON			6
		17	HVPS:C/B:Charge AC:Basis CLK	→					5
		18	HVPS:C/B:Charge DC:PWM:K	→	OFF	ON			4
		19	HVPS:C/B:Charge DC:PWM:C	→	OFF	ON			3
		20	HVPS:C/B:Charge DC:PWM:M	→	OFF	ON			2
		21	HVPS:C/B:Charge DC:PWM:Y	→	OFF	ON			1
		22	N.C	N					
CN123	BCU CN123	1	HVPS:T1/T2:SC Detection	←	Trouble	Normal	CN820	HVPS:T1/T2	10
		2	HVPS:T2:Paper Transfer-:FB	←					9
		3	HVPS:T2:Paper Transfer-:PWM	→	OFF	ON			8
		4	HVPS:T2:Paper Transfer+:PWM	→	OFF	ON			7
		5	HVPS:T1:Image Transfer:PWM:K	→	OFF	ON			6
		6	HVPS:T1:Image Transfer:PWM:C	→	OFF	ON			5
		7	HVPS:T1:Image Transfer:PWM:M	→	OFF	ON			4
		8	HVPS:T1:Image Transfer:PWM:Y	→	OFF	ON			3
		9	HVPS:T1/T2:GND	G					2
		10	HVPS:T1/T2:24VS2	P					1
CN116	BCU CN116	A1	Tray Lock Solenoid:+24V	P			JCN1	Tray Lock Solenoid	2
		A2	Tray Lock Solenoid:Control	→	OFF	ON			1
		A3	Tray Lift Motor:OUT1A	→	OFF	ON	JCN2	Tray Lift Motor	2
		A4	Tray Lift Motor:OUT2A	→	OFF	ON			1
		A5	Paper Height Sensor1:GND	G			CN3	Paper Height Sensor1	3
		A6	Paper Height Sensor1:Output	←					2
		A7	Paper Height Sensor1:+5V	P					1
		A8	Paper Height Sensor2:GND	G			CN4	Paper Height Sensor2	3
		A9	Paper Height Sensor2:Output	←					2
		A10	Paper Height Sensor2:+5V	P					1
		A11	Paper Size Sensor1	←			CN5	Paper Size Switch	5
		A12	Paper Size Sensor2	←					4
		A13	Paper Size Sensor3	←					3
		A14	Paper Size Sensor:GND	G					2
		A15	Paper Size Sensor4	←					1
		A16	N.C.	P					
		B1	N.C	N			CN6	Paper Feed Unit (Option)	8
		B2	Paper Feed Unit:RXD	←					7
		B3	Paper Feed Unit:TXD	→					6
		B4	Paper Feed Unit:GND	G					5
		B5	Paper Feed Unit:+5V	P					4
		B6	Paper Feed Unit:GND	G					3
		B7	Paper Feed Unit:GND	G					2
		B8	Paper Feed Unit:GND	G					1
		B9	Paper Feed Unit:GND	G			CN7		7
		B10	Paper Feed Unit:GND	G					6
		B11	Paper Feed Unit:+24V	P					5
		B12	Paper Feed Unit:+24V	P					4
		B13	Paper Feed Unit:+24V	P					3
		B14	Paper Feed Unit:+24V	P					2
		B15	Paper Feed Unit:+24V	P					1
		B16	N.C.	N					
JCN200	CN8	1	N.C	N			CN200	N.C.	8
		2	Paper Feed Unit:RXD	←				Paper Feed Unit (Optional)	7
		3	Paper Feed Unit:TXD	→					6
		4	Paper Feed Unit:GND	G					5
		5	Paper Feed Unit:+5V	P					4
		6	Paper Feed Unit:GND	G					3
		7	Paper Feed Unit:GND	G					2
		8	Paper Feed Unit:GND	G					1
		9	Paper Feed Unit:GND	G			CN201		7
		10	Paper Feed Unit:GND	G					6
		11	Paper Feed Unit:+24V	P					5
		12	Paper Feed Unit:+24V	P					4
		13	Paper Feed Unit:+24V	P					3
		14	Paper Feed Unit:+24V	P					2
		15	Paper Feed Unit:+24V	P					1
CN103	BCU CN103	-	N.C.	N			CN1	Paper Feed Motor	6
		1	Paper Feed Motor:B Phase	→	OFF	ON			5
		2	Paper Feed Motor:A Phase	→	OFF	ON			4
		3	Paper Feed Motor:/B Phase	→	OFF	ON			3
		4	Paper Feed Motor:/A Phase	→	OFF	ON			2
		-	N.C.	N					1
		-	N.C.	N			CN2	Registration Motor	6
		5	Registration Motor:B Phase	→	OFF	ON			5
		6	Registration Motor:A Phase	→	OFF	ON			4
		7	Registration Motor:/B Phase	→	OFF	ON			3
		8	Registration Motor:/A Phase	→	OFF	ON			2
		-	N.C.	N					1
		-	N.C.	N			JCN3	Duplex/By-pass Motor	6
		9	Duplex/By-pass Motor:B Phase	→	OFF	ON			5
		10	Duplex/By-pass Motor:A Phase	→	OFF	ON			4
		11	Duplex/By-pass Motor:/B Phase	→	OFF	ON			3
		12	Duplex/By-pass Motor:/A Phase	→	OFF	ON			2
		-	N.C.	N					1
		-	N.C.	N			CN4	Inverter Motor	6
		13	Inverter Motor:B Phase	→	OFF	ON			5
		14	Inverter Motor:A Phase	→	OFF	ON			4
		15	Inverter Motor:/B Phase	→	OFF	ON			3
		16	Inverter Motor:/A Phase	→	OFF	ON			2
		-	N.C.	N					1
		-	N.C.	N			CN5	Vertical Transport Motor	6
		17	Vertical Transport Motor:B Phase	→	OFF	ON			5
		18	Vertical Transport Motor:A Phase	→	OFF	ON			4
		19	Vertical Transport Motor:/B Phase	→	OFF	ON			3
		20	Vertical Transport Motor:/A Phase	→	OFF	ON			2
		-	N.C.	N					1
CN915	PSU	1	24-ON	P			CN6	Interlock SW	1
		2	24-ON	P			CN7		1
		3	24VS1	P			CN6		2
		4	24VS2	P			CN7		2
CN1	JCN3	1	N.C.	N			CN2	Duplex/By-pass Motor	6
		2	Duplex/By-pass Motor:B Phase	→	OFF	ON			5
		3	Duplex/By-pass Motor:A Phase	→	OFF	ON			4
		4	Duplex/By-pass Motor:/B Phase	→	OFF	ON			3
		5	Duplex/By-pass Motor:/A Phase	→	OFF	ON			2
		6	N.C.	N					1
CN105	BCU CN105	1	1bin:Junction Gate Solenoid 2:+24VS1	P			CN29	1bin UNIT	10
		2	1bin:Junction Gate Solenoid 2:Control	→	ON	OFF			9
		3	1bin:Paper Sensor:GND	G					8
		4	1bin:Paper Sensor:Output	←	Detect	Not Detect			7
		5	1bin:Paper Sensor:+5VE	P					6
		6	1bin:Exit Sensor:GND	G					5
		7	1bin:Exit Sensor:Output	←	Detect	Not Detect			4
		8	1bin:Exit Sensor:+5V	P					3
		9	1bin:Set:Detection	←	Set	Not Set			2
		10	1bin:Set:GND	G					1
		11	N.C	N					-

Connector (FROM)			Signal Information				Connector (TO)		
No	To Connector	Pin No	Signal Name	Direction	L	H	No	To Connector	Pin No
CN104	BCU CN104	1	Right Door SW:Detection	←	Close	Open	CN2	Right Door Switch	2
		2	Right Door SW:GND	G					1
		3	Right Tray SW:Detection	←	Set	Not Set	CN3	Right Tray Set Switch	2
		4	Right Tray SW:GND	G					1
		5	Paper Exit Sensor:GND	G			JCN1	Paper Exit Unit	13
		6	Paper Exit Sensor:Output	←	Detect	Not Detect			12
		7	Paper Exit Sensor:+5V	P					11
		8	Paper Overflow Sensor:GND	G					10
		9	Paper Overflow Sensor:Output	←	Not Full	Full			9
		10	Paper Overflow Sensor:+5V	P					8
		11	Fusing Exit Sensor:5V	P					7
		12	Fusing Exit Sensor:Output	←	Not Detect	Detect			6
		13	Fusing Exit Sensor:GND	G					5
		14	Junction Gate Solenoid 1:+24VS1	P					4
		15	Junction Gate Solenoid 1:Control	→	ON	OFF			3
		16	Junction Gate Solenoid 2:+24VS1	P					2
		17	Junction Gate Solenoid 2:Control	→	ON	OFF			1
CN107	BCU CN107	1	Drum Phase Sensor:K:GND	G			JCN4	Drum Phase Sensor: K	3
		2	Drum Phase Sensor:K:Output	←	Not Detect	Detect			2
		3	Drum Phase Sensor:K:5V	P					1
		4	Fusing/Paper Exit Motor:Gain Change	→	High Speed	Low Speed	CN5	Fusing/Paper Exit Motor	12
		5	Fusing/Paper Exit Motor:CLOCK	→					11
		6	Fusing/Paper Exit Motor:Brake	→	Brake	Not Brake			10
		7	Fusing/Paper Exit Motor:CW/CCW	→	CCW	CW			9
		8	Fusing/Paper Exit Motor:Start/Stop	→	ON	OFF			8
		9	Fusing/Paper Exit Motor:LOCK	←	Normal	Trouble			7
		10	Fusing/Paper Exit Motor:5V	P					6
		11	Fusing/Paper Exit Motor:GND(5V)	G					5
		12	Fusing/Paper Exit Motor:GND(24V)	G					4
		13	Fusing/Paper Exit Motor:GND(24V)	G					3
		14	Fusing/Paper Exit Motor:24VS1	P					2
		15	Fusing/Paper Exit Motor:24VS1	P					1
		16	N.C	N					
		17	N.C	N					
		18	N.C	N					
		19	ITB Unit/Drum:K/Development:K Motor:Control Change	→	FG	Encoder	CN6	ITB Unit/Drum: K/Development: K Motor	14
		20	ITB Unit/Drum:K/Development:K Motor:Encoder CLOCK	←					13
		21	ITB Unit/Drum:K/Development:K Motor:Gain Change	→	High Speed	Low Speed			12
		22	ITB Unit/Drum:K/Development:K Motor:CLOCK	→					11
		23	ITB Unit/Drum:K/Development:K	→	Brake	Not Brake			10
		24	ITB Unit/Drum:K/Development:K Motor: CW/CCW	→	CCW	CW			9
		25	ITB Unit/Drum:K/Development:K Motor: Start/Stop	→	ON	OFF			8
		26	ITB Unit/Drum:K/Development:K Motor: LOCK	←	Normal	Trouble			7
		27	ITB Unit/Drum:K/Development:K Motor:	P					6
		28	ITB Unit/Drum:K/Development:K Motor: GND(5V)	G					5
		29	ITB Unit/Drum:K/Development:K Motor: GND(24V)	G					4
		30	ITB Unit/Drum:K/Development:K Motor: GND(24V)	G					3
		31	ITB Unit/Drum:K/Development:K Motor: 24VS1	P					2
		32	ITB Unit/Drum:K/Development:K Motor: 24VS1	P					1
		33	N.C	N					
		34	N.C	N					
CN108	BCU CN108	1	Drum Phase Sensor:CMY:GND	G			JCN1	Drum Phase Sensor: CMY	3
		2	Drum Phase Sensor:CMY:Output	←	Not Detect	Detect			2
		3	Drum Phase Sensor:CMY:5V	P					1
		4	PCL:C:+24VS1	N			CN2	TD Sensor: C	8
		5	PCL:CL:Control	N					7
		6	TD Sensor:C:SDA	⟷					6
		7	TD Sensor:C:SCL	→					5
		8	TD Sensor:C:PWM	→	OFF	ON			4
		9	TD Sensor:C:5V(For TD Sensor)	P					3
		10	TD Sensor:C:FB	←					2
		11	TD Sensor:C:GND	G					1
		12	Development Clutch:K:24VS1	P			JCN3	Development Clutch: K	2
		13	Development Clutch:K:Control	→	OFF	ON			1
		14	N.C.	N					
		15	PCL:K:+24VS1	N			CN4	TD Sensor: K	8
		16	PCL:K:Control	N					7
		17	TD Sensor:K:SDA	⟷					6
		18	TD Sensor:K:SCL	→					5
		19	TD Sensor:K:PWM	→	OFF	ON			4
		20	TD Sensor:K:5V(For TD Sensor)	P					3
		21	TD Sensor:K:FB	←					2
		22	TD Sensor:K:GND	G					1
CN110	BCU CN110	1	ID Sensor:FB:Reflection:Re/Bk	←			JCN37	ID Sensor	13
		2	ID Sensor:LED Drive:PWM:Re/Bk	→	OFF	ON			12
		3	ID Sensor:FB:Diffused Reflection:Cy	←					11
		4	ID Sensor:FB:Diffused Reflection:Cy	←					10
		5	ID Sensor:LED Drive:PWM:Ce/Cy	→	OFF	ON			9
		6	ID Sensor:FB:Diffused Reflection:M	←					8
		7	ID Sensor:FB:Reflection:M	←					7
		8	ID Sensor:LED Drive:PWM:M	→	OFF	ON			6
		9	ID Sensor:FB:Diffused Reflection:Y	←					5
		10	ID Sensor:FB:Reflection:Fr/Y	←					4
		11	ID Sensor:LED Drive:PWM:Fr/Y	→	OFF	ON			3
		12	ID Sensor:GND	G					2
		13	ID Sensor:5V	P					1
CN127	BCU CN127	1	Temperature/ Humidity Sensor:FB(Temperature)	←			CN15	Temperature/ Humidity Sensor	4
		2	Temperature/ Humidity Sensor:GND	G					3
		3	Temperature/ Humidity Sensor:FB(Humidity)	←					2
		4	Temperature/ Humidity Sensor:+5V	P					1
CN128	BCU CN128	1	Paper Transfer Roller Contact Motor:OUT1A	→	OFF	ON	JCN11	Paper Transfer Roller Contact Motor	2
		2	Paper Transfer Roller Contact	→	OFF	ON			1
		3	Toner Collection Motor:GND	G			JCN12	Toner Collection Motor	4
		4	Toner Collection Motor:OUT2B	→	OFF	ON			3
		5	Toner Collection Motor:OUT2A	→	OFF	ON			2
		6	Toner Collection Motor Connecting Detection	←	Connect	Not Connect			1
		7	Paper Transfer Roller Contact	G			JCN13	Paper Transfer Roller Contact Sensor	3
		8	Paper Transfer Roller Contact Sensor:Output	←	Contact	Not Contact			2
		9	Paper Transfer Roller Contact	P					1
		10	N.C.	N					
		11	N.C.	N					
		12	N.C.	N					
		13	N.C.	N					
		14	N.C.	N					
		15	ITB Unit:New Unit Detection	←	Old Unit	New Unit	JCN14	ITB Unit	6
		16	ITB Unit:24VS2	P					5
		17	ITB Rotation Sensor:GND	G					4
		18	ITB Rotation Sensor:Output	←					3
		19	ITB Rotation Sensor:5V	P					2
		-	N.C	N					1
		20	Transfer Belt Contact Sensor:GND	G			JCN15	Transfer Belt Contact Sensor	3
		21	Transfer Belt Contact Sensor:Output	←	Not Contact	Contact			2
		22	Transfer Belt Contact Sensor:+5V	P					1
		23	Thermopile:N.C	N			CN16	Thermopile	4
		24	Thermopile:+5V	P					3
		25	Thermopile:GND	G					2
		26	Thermopile:FB	←					1
		27	N.C	N					
		28	N.C	N					
CN120	BCU CN120	1	Fusing Rear Fan:Control	→	OFF	ON	CN7	Fusing Rear Fan	3
		2	Fusing Rear Fan:Locking Detection	←	Normal	Trouble			2
		3	Fusing Rear Fan:GND	G					1
		4	Fusing Front Fan:Control	→	OFF	ON	CN8	Fusing Front Fan	3
		5	Fusing Front Fan:Locking Detection	←	Normal	Trouble			2
		6	Fusing Front Fan:GND	G					1
		7	Drive Unit Fan:Control	→	OFF	ON	CN9	Drive Unit Fan	3
		8	Drive Unit Fan:Locking Detection	←	Normal	Trouble			2
		9	Drive Unit Fan:GND	G					1
		10	N.C.	N					
		11	N.C.	N					
		12	N.C.	N					

Connector (FROM)			Signal Information				Connector (TO)		
No	To Connector	Pin No	Signal Name	Direction	L	H	No	To Connector	Pin No
CN122	BCU CN122	1	Keycard:+5V	P			CN40	Keycard	13
		2	Keycard:Setting Detection	←	Set	Not Set			12
		3	Keycard:b0 (Size1)	←	Output:L	Output:H			11
		4	Keycard:b1 (Size2)	←	Output:L	Output:H			10
		5	Keycard:b2 (Size3)	←	Output:L	Output:H			9
		6	Keycard:b3 (Size4)	←	Output:L	Output:H			8
		7	Keycard:b4 (Mode1)	←	Output:L	Output:H			7
		8	Keycard:b5 (Mode2)	←	Output:L	Output:H			6
		9	Keycard:b6 (Duplex)	←	Output:L	Output:H			5
		10	Keycard:b7 (Motor)	←	Output:L	Output:H			4
		11	Keycard:GND	G					3
		12	Keycard:Control	→	OFF	ON			2
		13	Keycard:For Accounting+24V	P					1
CN125	BCU CN125	1	Fusing Generational Detection:Generational Detection	←	First Generation	Second Generation	CN35	Fusing Unit	10
		2	Fusing Generational Detection:GND	G					9
		3	Fusing New Unit Detection:New Unit Detection	←	New Unit	Old Unit			8
		4	Fusing New Unit Detection:GND	G					7
		5	Thermistor:Heating:FB:Edge	←					6
		6	Thermistor:Heating:GND	G					5
		7	Thermistor:Heating:FB:Edge:Atmospher	←					4
		8	Thermistor:Heating:GND	G					3
		9	Thermistor:Pressure:FB:Edge	←					2
		10	Thermistor:Pressure:GND	G					1
		11	N.C.	N					
		12	N.C.	N					
		-	N.C	N					
		13	N.C	N					
		14	N.C	N					
		15	N.C	N					
		16	GND	G			JCN36	Fusing Unit	9
		17	Fusing:Destination/Machine Detection 2	←					8
		18	Fusing:Destination/Machine Detection 3	←					7
		19	Fusing:Destination/Machine Detection 4	←					6
		20	Fusing:Destination/Machine	G					5
		21	Fusing:Setting Detection	←	Set	Not Set			4
		22	Fusing:Setting Detection:GND	G					3
		23	Fusing:Destination/Machine Detection 1	←					2
		24	Fusing:Destination/Machine	G					1
JCN550	CN29	1	1bin:Junction Gate Solenoid:+24VS1	P			JCN501	1bin UNIT	2
		2	1bin:Junction Gate Solenoid:Control	→	ON	OFF			1
		3	1bin:Paper Sensor:GND	G			CN502		3
		4	1bin:Paper Sensor:Output	←	Detect	Not Detect			2
		5	1bin:Paper Sensor:+5VE	P					1
		6	1bin:Exit Sensor:GND	G			CN503		3
		7	1bin:Exit Sensor:Output	←	Detect	Not Detect			2
		8	1bin:Exit Sensor:+5V	P					1
		9	1bin:Set:Detection	←	Set	Not Set	CN550		10
		10	1bin:Set:GND	G					9
CN43	JCN1	1	Paper Exit Sensor:GND	G			JCN44	Paper Exit Unit	13
		2	Paper Exit Sensor:Output	←	Detect	Not Detect			12
		3	Paper Exit Sensor:+5V	P					11
		4	Paper Overflow Sensor:GND	G					10
		5	Paper Overflow Sensor:Output	←	Not Full	Full			9
		6	Paper Overflow Sensor:+5V	P					8
		7	Fusing Exit Sensor:5V	P					7
		8	Fusing Exit Sensor:Output	←	Not Detect	Detect			6
		9	Fusing Exit Sensor:GND	G					5
		10	Junction Gate Solenoid 1:+24VS1	P					4
		11	Junction Gate Solenoid 1:Control	→	ON	OFF			3
		12	Junction Gate Solenoid 2:+24VS1	P					2
		13	Junction Gate Solenoid 2:Control	→	ON	OFF			1
JCN1	CN16	1	Thermopile:N.C	N			CN2	Thermopile	4
		2	Thermopile:+5V	P					3
		3	Thermopile:GND	G					2
		4	Thermopile:FB	←					1
CN1	JCN44	1	Paper Exit Sensor:GND	G			CN2	Paper Exit Sensor	3
		2	Paper Exit Sensor:Output	←	Detect	Not Detect			2
		3	Paper Exit Sensor:+5V	P					1
		4	Paper Overflow Sensor:GND	G			CN3	Paper Overflow Sensor	3
		5	Paper Overflow Sensor:Output	←	Not Full	Full			2
		6	Paper Overflow Sensor:+5V	P					1
		7	Fusing Exit Sensor:5V	P			CN4	Fusing Exit Sensor	3
		8	Fusing Exit Sensor:Output	←	Not Detect	Detect			2
		9	Fusing Exit Sensor:GND	G					1
		10	Junction Gate Solenoid 1:+24VS1	P			JCN5	Junction Gate Solenoid 1	2
		11	Junction Gate Solenoid 1:Control	→	ON	OFF			1
		12	Junction Gate Solenoid 2:+24VS1	P			CN6	Junction Gate Solenoid 2	2
		13	Junction Gate Solenoid 2:Control	→	ON	OFF			1
CN1	JCN4	1	Drum Phase Sensor:K:GND	G			CN2	Drum Phase Sensor: K	3
		2	Drum Phase Sensor:K:Output	←	Not Detect	Detect			2
		3	Drum Phase Sensor:K:5V	P					1
CN1	JCN1	1	Drum Phase Sensor:CMY:GND	G			CN2	Drum Phase Sensor: CMY	3
		2	Drum Phase Sensor:CMY:Output	←	Not Detect	Detect			2
		3	Drum Phase Sensor:CMY:5V	P					1
JCN2	CN2	1	N.C.	N					
		2	N.C.	N					
		3	TD Sensor:C:SDA	←→			CN1	TD Sensor: C	6
		4	TD Sensor:C:SCL	→					5
		5	TD Sensor:C:PWM	→	OFF	ON			4
		6	TD Sensor:C:5V(For TD Sensor)	P					3
		7	TD Sensor:C:FB	←					2
		8	TD Sensor:C:GND	G					1
CN1	CN1	6	TD Sensor:C:SDA	←→			CN2	TD Sensor: C	2
		5	TD Sensor:C:SCL	→					1
		4	TD Sensor:C:PWM	→	OFF	ON			3
		3	TD Sensor:C:5V(For TD Sensor)	P					4
		2	TD Sensor:C:FB	←					5
		1	TD Sensor:C:GND	G					6
CN2	CN2	5	TD Sensor:C:SDA	←→			CN1	TD Sensor: C	2
		6	TD Sensor:C:SCL	→					1
		4	TD Sensor:C:PWM	→	OFF	ON			3
		3	TD Sensor:C:5V(For TD Sensor)	P					4
		2	TD Sensor:C:FB	←					5
		1	TD Sensor:C:GND	G					6
JCN2	JCN2	1	N.C.	N					
		2	N.C.	N					
		3	TD Sensor:K:SDA	←→			CN1	TD Sensor: C	6
		4	TD Sensor:K:SCL	→					5
		5	TD Sensor:K:PWM	→	OFF	ON			4
		6	TD Sensor:K:5V(For TD Sensor)	P					3
		7	TD Sensor:K:FB	←					2
		8	TD Sensor:K:GND	G					1
CN1	CN1	6	TD Sensor:K:SDA	←→			CN2	TD Sensor: C	2
		5	TD Sensor:K:SCL	→					1
		4	TD Sensor:K:PWM	→	OFF	ON			3
		3	TD Sensor:K:5V(For TD Sensor)	P					4
		2	TD Sensor:K:FB	←					5
		1	TD Sensor:K:GND	G					6
CN2	CN2	5	TD Sensor:K:SDA	←→			CN1	TD Sensor: C	2
		6	TD Sensor:K:SCL	→					1
		4	TD Sensor:K:PWM	→	OFF	ON			3
		3	TD Sensor:K:5V(For TD Sensor)	P					4
		2	TD Sensor:K:FB	←					5
		1	TD Sensor:K:GND	G					6
CN2	JCN37	1	ID Sensor:FB:Reflection:Re/Bk	←			CN1	ID Sensor	13
		2	ID Sensor:LED Drive:PWM:Re/Bk	→	OFF	ON			12
		3	ID Sensor:FB:Diffused Reflection:Cy	←					11
		4	ID Sensor:FB:Diffused Reflection:Ce/Cy	←					10
		5	ID Sensor:LED Drive:PWM:Ce/Cy	→	OFF	ON			9
		6	ID Sensor:FB:Diffused Reflection:M	←					8
		7	ID Sensor:FB:Reflection:M	←					7
		8	ID Sensor:LED Drive:PWM:M	→	OFF	ON			6
		9	ID Sensor:FB:Diffused Reflection:Y	←					5
		10	ID Sensor:FB:Reflection:Fr/Y	←					4
		11	ID Sensor:LED Drive:PWM:Fr/Y	→	OFF	ON			3
		12	ID Sensor:GND	G					2
		13	ID Sensor:5V	P					1
CN1	JCN13	1	Paper Transfer Roller Contact	G			CN2	Paper Transfer Roller Contact Sensor	3
		2	Paper Transfer Roller Contact Sensor:Output	←	Contact	Not Contact			2
		3	Paper Transfer Roller Contact	P					1
CN2	JCN14	1	ITB Unit:New Unit Detection	←	Old Unit	New Unit	CN1	ITB Unit	6
		2	ITB Unit:24VS2	P					5
		3	ITB Rotation Sensor:GND	G					4
		4	ITB Rotation Sensor:Output	←					3
		5	ITB Rotation Sensor:5V	P					2
		6	N.C	N					1

Connector (FROM)			Signal Information				Connector (TO)		
No	To Connector	Pin No	Signal Name	Direction	L	H	No	To Connector	Pin No
CN2	CN1	6	ITB Unit:New Unit Detection	←	Old Unit	New Unit	JCN1	ITB Unit	1
		5	ITB Unit:24VS2	P					2
		4	ITB Rotation Sensor:GND	G					3
		3	ITB Rotation Sensor:Output	←					4
		2	ITB Rotation Sensor:5V	P					5
		1	N.C	N					6
CN1	JCN15	1	Transfer Belt Contact Sensor:GND	G			CN2	Transfer Belt Contact Sensor	3
		2	Transfer Belt Contact Sensor:Output	←	Not Contact	Contact			2
		3	Transfer Belt Contact Sensor:+5V	P					1
CN1	JCN1	1	ITB Unit:New Unit Detection	←	Old Unit	New Unit	CN1	ITB Unit	6
		2	ITB Unit:24VS2	P					5
		3	ITB Rotation Sensor:GND	G					4
		4	ITB Rotation Sensor:Output	←					3
		5	ITB Rotation Sensor:5V	P					2
		6	N.C	N					1
JCN5	CN35	1	Fusing Generational Detection:Generational Detection	←	First Generation	Second Generation	CN2	Fusing Unit	13
		2	Fusing Generational Detection:GND	G					12
		3	Fusing New Unit Detection:New Unit Detection	←	New Unit	Old Unit			11
		4	Fusing New Unit Detection:GND	G					10
		5	Thermistor:Heating:FB:Edge	←					9
		6	Thermistor:Heating:GND	G					8
		7	Thermistor:Heating:FB:Edge:Atmospher	←					7
		8	Thermistor:Heating:GND	G					6
		9	Thermistor:Pressure:FB:Edge	←					5
		10	Thermistor:Pressure:GND	G					4
			N.C.	N					3
			N.C.	N					2
			N.C.	N					1
CN1	JCN1	1	GND	G			CN3		1
		2	Fusing:Destination/Machine Detection 2	←					9
		3	Fusing:Destination/Machine Detection 3	←					8
		4	Fusing:Destination/Machine Detection 4	←					7
		5	Fusing:Destination/Machine	G					6
		6	Fusing:Setting Detection	←	Set	Not Set			5
		7	Fusing:Setting Detection:GND	G					4
		8	Fusing:Destination/Machine Detection 1	←					3
		9	Fusing:Destination/Machine	G					2
CN905	PSU	1	Pressure Roller Fusing lamp:L	P			CN4		1
CN904		3	Heating lamp 1:N(Center)	P					2
T1	FG		EARTH	FG					3G
CN905	PSU	2	Pressure Roller Fusing lamp:N	P					4
CN904		1	Heating lamp:L(COMMON)	P					5
		2	Heating lamp 2:N(Edge)	P					6
CN3	M0265306 CN4	1	Fusing Generational Detection:Generational Detection	←	First Generation	Second Generation	CN3	Generation Detection	2
		2	Fusing Generational Detection:GND	G					1
		3	Fusing New Unit Detection:New Unit Detection	←	New Unit	Old Unit	CN4	New Unit Detection	2
		4	Fusing New Unit Detection:GND	G					1
		5	Thermistor:Heating:FB:Edge	←			CN5	Thermistor:Heating:Edge	1
		6	Thermistor:Heating:GND	G					2
		7	Thermistor:Heating:FB:Edge:Atmospher	←				Thermistor:Heating:Atmosphere	3
		8	Thermistor:Heating:GND	G					4
		9	Thermistor:Pressure:FB:Edge	←			CN6	Thermistor:Pressure	2
		10	Thermistor:Pressure:GND	G					1
		11	N.C.	N					
		12	N.C.	N					
		13	N.C.	N					
CN2		9	GND	G			N.C.		
		1	Fusing:Destination/Machine Detection 2	←			N.C.	Destination Detection	
		2	Fusing:Destination/Machine Detection 3	←			CN2		4
		3	Fusing:Destination/Machine Detection 4	←			N.C.		
		4	Fusing:Destination/Machine	G			CN2		2
		5	Fusing:Setting Detection	←	Set	Not Set		Setting Detection	6
		6	Fusing:Setting Detection	G					5
		7	Fusing:Destination/Machine Detection 1	←				Destination Detection	7
		8	Fusing:Destination/Machine	G					8
CN1		1	Pressure Roller Fusing Lamp:N	P			T1	Pressure Roller Fusing Lamp	
		2	Heating Lamp:L(COMMON)	P			T2	Heating Lamp	
		3G	EARTH	P			T3	EARTH	
		4	Pressure Roller Fusing Lamp:L (COMMON)	FG			T4	Pressure Roller Fusing Lamp	
		5	Heating Lamp 1:N(Center)	P			T5	Heating Lamp	
		6	Heating Lamp 2:N(Edge)	P			T6		
CN3	M0265306 CN4	1	Fusing Generational Detection:Generational Detection	←	First Generation	Second Generation	CN3	Generation Detection	2
		2	Fusing Generational Detection:GND	G					1
		3	Fusing New Unit Detection:New Unit Detection	←	New Unit	Old Unit	CN4	New Unit Detection	2
		4	Fusing New Unit Detection:GND	G					1
		5	Thermistor:Heating:FB:Edge	←			CN5	Thermistor:Heating:Edge	1
		6	Thermistor:Heating:GND	G					2
		7	Thermistor:Heating:FB:Edge:Atmospher	←				Thermistor:Heating:Atmosphere	3
		8	Thermistor:Heating:GND	G					4
		9	Thermistor:Pressure:FB:Edge	←			CN6	Thermistor:Pressure	2
		10	Thermistor:Pressure:GND	G					1
		11	N.C.	N					
		12	N.C.	N					
		13	N.C.	N					
CN2		9	GND	G			N.C.		
		1	Fusing:Destination/Machine Detection 2	←			N.C.	Destination Detection	
		2	Fusing:Destination/Machine Detection 3	←			N.C.		
		3	Fusing:Destination/Machine Detection 4	←			CN2		4
		4	Fusing:Destination/Machine	G					3
		5	Fusing:Setting Detection	←	Set	Not Set		Setting Detection	6
		6	Fusing:Setting Detection:GND	G					5
		7	Fusing:Destination/Machine Detection 1	←				Destination Detection	7
		8	Fusing:Destination/Machine	G					8
CN1		1	Pressure Roller Fusing Lamp:N	P			T1	Pressure Roller Fusing Lamp	
		2	Heating Lamp:L(COMMON)	P			T2	Heating Lamp	
		3G	EARTH	P			T3	EARTH	
		4	Pressure Roller Fusing Lamp:L (COMMON)	FG			T4	Pressure Roller Fusing Lamp	
		5	Heating Lamp 1:N(Center)	P			T5	Heating Lamp	
		6	Heating Lamp 2:N(Edge)	P			T6		
CN109	BCU CN109	1	Drum Motor:CMY:Gain Change	→	High Speed	Low Speed	CN1	Drum Motor: CMY	12
		2	Drum Motor:CMY:CLOCK	→					11
		3	Drum Motor:CMY:Break	→	Brake	Not Brake			10
		4	Drum Motor:CMY:CW/CCW	→	CCW	CW			9
		5	Drum Motor:CMY:Start/Stop	→	ON	OFF			8
		6	Drum Motor:CMY:LOCK	←	Normal	Trouble			7
		7	Drum Motor:CMY:5V	P					6
		8	Drum Motor:CMY:GND(5V)	G					5
		9	Drum Motor:CMY:GND(24V)	G					4
		10	Drum Motor:CMY:GND(24V)	G					3
		11	Drum Motor:CMY:24VS1	P					2
		12	Drum Motor:CMY:24VS1	P					1
		13	N.C.	N			CN2	TD Sensor	8
		14	N.C.	N					7
		15	TD Sensor:M:SDA	←→					6
		16	TD Sensor:M:SCL	→					5
		17	TD Sensor:M:PWM	→	OFF	ON			4
		18	TD Sensor:M:5V(For TD Sensor)	P					3
		19	TD Sensor:M:FB	←					2
		20	TD Sensor:M:GND	G					1
		21	N.C.	N			CN3	TD Sensor	8
		22	N.C.	N					7
		23	TD Sensor:Y:SDA	←→					6
		24	TD Sensor:Y:SCL	→					5
		25	TD Sensor:Y:PWM	→	OFF	ON			4
		26	TD Sensor:Y:5V(For TD Sensor)	P					3
		27	TD Sensor:Y:FB	←					2
		28	TD Sensor:Y:GND	G					1
		29	Development Motor:CMY:Gain Change	→	High Speed	Low Speed	CN4	DevelopmentMotor: CMY	12
		30	Development Motor:CMY:CLOCK	→					11
		31	Development Motor:CMY:Brake	→	Brake	Not Brake			10
		32	Development Motor:CMY:CW/CCW	→	CCW	CW			9
		33	Development Motor:CMY:Start/Stop	→	ON	OFF			8
		34	Development Motor:CMY:LOCK	←	Normal	Trouble			7
		35	Development Motor:CMY:5V	P					6
		36	Development Motor:CMY:GND(5V)	G					5
		37	Development Motor:CMY:GND(24V)	G					4
		38	Development Motor:CMY:GND(24V)	G					3
		39	Development Motor:CMY:24VS1	P					2
		40	Development Motor:CMY:24VS1	P					1

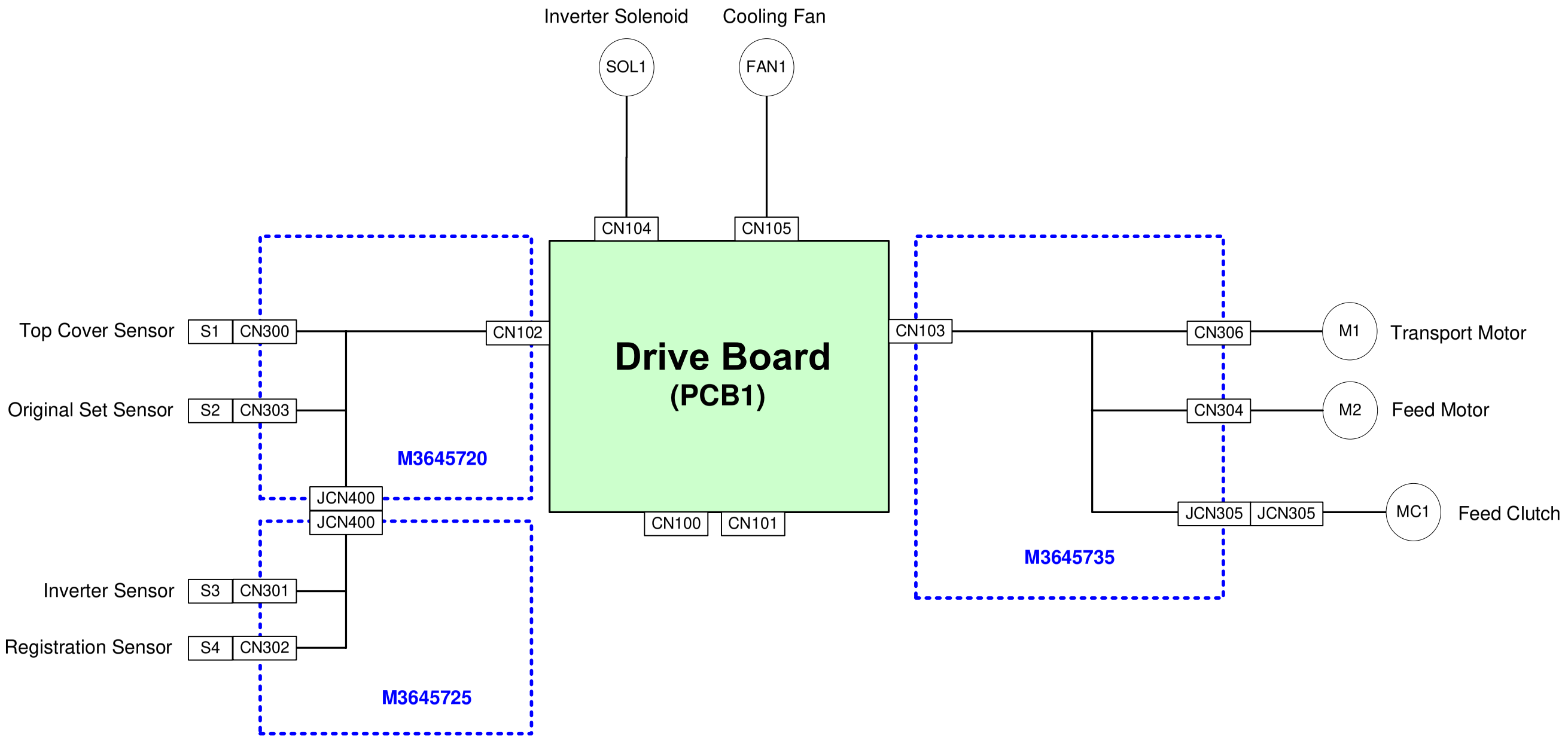
Connector (FROM)			Signal Information				Connector (TO)		
No	To Connector	Pin No	Signal Name	Direction	L	H	No	To Connector	Pin No
JCN2	CN2	1	N.C.	N			CN3	TD Sensor:M	8
		2	N.C.	N					7
		3	TD Sensor:M:SDA	←→					6
		4	TD Sensor:M:SCL	→					5
		5	TD Sensor:M:PWM	→	OFF	ON			4
		6	TD Sensor:M:5V(For TD Sensor)	P					3
		7	TD Sensor:M:FB	←					2
		8	TD Sensor:M:GND	G					1
CN1	CN1	6	TD Sensor:M:SDA	←→			CN2	TD Sensor:M	2
		5	TD Sensor:M:SCL	→					1
		4	TD Sensor:M:PWM	→	OFF	ON			3
		3	TD Sensor:M:5V(For TD Sensor)	P					4
		2	TD Sensor:M:FB	←					5
		1	TD Sensor:M:GND	G					6
CN2	CN2	5	TD Sensor:M:SDA	←→			CN1	TD Sensor:M	2
		6	TD Sensor:M:SCL	→					1
		4	TD Sensor:M:PWM	→	OFF	ON			3
		3	TD Sensor:M:5V(For TD Sensor)	P					4
		2	TD Sensor:M:FB	←					5
		1	TD Sensor:M:GND	G					6
JCN2	CN2	1	N.C.	N			CN3	TD Sensor:Y	8
		2	N.C.	N					7
		3	TD Sensor:Y:SDA	←→					6
		4	TD Sensor:Y:SCL	→					5
		5	TD Sensor:Y:PWM	→	OFF	ON			4
		6	TD Sensor:Y:5V(For TD Sensor)	P					3
		7	TD Sensor:Y:FB	←					2
		8	TD Sensor:Y:GND	G					1
CN1	CN1	6	TD Sensor:Y:SDA	←→			CN2	TD Sensor:Y	2
		5	TD Sensor:Y:SCL	→					1
		4	TD Sensor:Y:PWM	→	OFF	ON			3
		3	TD Sensor:Y:5V(For TD Sensor)	P					4
		2	TD Sensor:Y:FB	←					5
		1	TD Sensor:Y:GND	G					6
CN2	CN2	6	TD Sensor:Y:SDA	←→			CN1	TD Sensor:Y	2
		5	TD Sensor:Y:SCL	→					1
		4	TD Sensor:Y:PWM	→	OFF	ON			3
		3	TD Sensor:Y:5V(For TD Sensor)	P					4
		2	TD Sensor:Y:FB	←					5
		1	TD Sensor:Y:GND	G					6
	CN111	1	ICIB Tip Selection	→	Select		CN202	IPU	30
		2	LEO Tip Selection 1	→	Select				29
		3	LEO Tip Selection 0	→	Select				28
		4	LEO Interrupt	←	Interrupt				27
		5	GND	G					26
		6	Platen Sheet Scanning Gate	→		Scanning			25
		7	Image Scanning Gate	→		Scanning			24
		8	GND	G					23
		9	SBU:Serial Clock	→					22
		10	SBU:Serial Data Out	→					21
		11	SBU Tip Selection	→		Available			20
		12	SBU:Serial Data In	←					19
		13	GND	G					18
		14	Scanner HP Sensor Signal	←	HP				17
		15	ADF Scanning Gate Signal	←		Original Area			16
		16	GND	G					15
		17	ADF_UART Reception Signal	←					14
		18	ADF_UART Sending Signal	→					13
		19	GND	G					12
		20	Scanner Motor Reset Signal	→		Reset			11
		21	GND	G					10
		22	Scanner Motor Clock	→					9
		23	GND	G					8
		24	Scanner MotorON Signal	→	ON				7
		25	Scanner MotorM1 Signal	→					6
		26	Scanner MotorM2 Signal	→					5
		27	Scanner MotorVR1 Signal	→					4
		28	Scanner MotorVR2 Signal	→					3
		29	Scanner MotorVR3 Signal	→					2
		30	Scanner MotorDIR Signal	→					1
CN112	CN112	1	data15	←→			CN201	IPU	50
		2	data14	←→					49
		3	data13	←→					48
		4	data12	←→					47
		5	GND	←→					46
		6	data11	←→					45
		7	data10	←→					44
		8	data9	←→					43
		9	data8	G					42
		10	data7	←→					41
		11	data6	←→					40
		12	data5	←→					39
		13	data4	←→					38
		14	data3	←→					37
		15	data2	←→					36
		16	data1	←→					35
		17	data0	←→					34
		18	GND	G					33
		19	address30	→					32
		20	address29	→					31
		21	address28	→					30
		22	address27	→					29
		23	address26	→					28
		24	address25	→					27
		25	address24	→					26
		26	GND	G					25
		27	address23	→					24
		28	address22	→					23
		29	address21	→					22
		30	address20	→					21
		31	address19	→					20
		32	address18	→					19
		33	address17	→					18
		34	address16	→					17
		35	GND	G					16
		36	IPU Data Bus Direction Change	→	BCU to IPU				15
		37	IPU address latch	→	latch				14
		38	IPU Write	→	Writing Assert				13
		39	IPU Read	→	Reading Assert				12
		40	Ri2001A Chip Selection	→	Select				11
		41	N.C.	N					10
		42	IPU Reset Cancel OK	←	IPU RST Cancel				9
		43	IPU Reset	→		IPU Reset			8
		44	LEO Sleep Cancel	→					7
		45	Return Detection Signal	→					6
		46	GAVD Serial Clock	→					5
		47	GND	G					4
		48	GAVD Serial Data Out	→					3
		49	GAVD Tip Selection	→	Available				2
		50	GAVD Serial Data In	←					1

Connector (FROM)			Signal Information				Connector (TO)		
No	To Connector	Pin No	Signal Name	Direction	L	H	No	To Connector	Pin No
CN320	LED-DB CN320	1	LED:GND	G			CN310	LED-B CN310	11
		2	LED:Drive LED_7	←					10
		3	LED:Drive LED_6	←					9
		4	LED:Drive LED_5	←					8
		5	LED:+24V_LED	P					7
		6	LED:+24V_LED	P					6
		7	LED:Drive LED_4	←					5
		8	LED:Drive LED_3	←					4
		9	LED:Drive LED_2	←					3
		10	LED:Drive LED_1	←					2
		11	LED:GND	G					1
CN205	IPU CN205	B15	SBU:GND	G			CN300	SBU CN300	A1
		A1	SBU:GND	G					B15
		B14	SBU:GND	G					A2
		A2	SBU:Sub Scanning Available Time	→	Available Time	Not Available			B14
		B13	SBU:Main Scanning Available Time	→	Available Time	Not Available			A3
		A3	SBU:GND	G					B13
		B12	SBU:Serial I/F Read Data【SBU to BCU】	←					A4
		A4	SBU:Serial I/F Write Data【BCU to SBU】	→					B12
		B11	SBU:Serial I/F Enable Signal	→	Enable	Disable			A5
		A5	SBU:Serial I/F Transfer Clock	→					B11
		B10	SBU:LVDS Data Signal TA2 (+)	←					A6
		A6	SBU:LVDS Data Signal TA2 (-)	←					B10
		B9	SBU:LVDS Data Signal TB2 (+)	←					A7
		A7	SBU:LVDS Data Signal TB2 (-)	←					B9
		B8	SBU:LVDS Data Signal TC2 (+)	←					A8
		A8	SBU:LVDS Data Signal TC2 (-)	←					B8
		B7	SBU:LVDS Transfer Clock (+)	←					A9
		A9	SBU:LVDS Transfer Clock (-)	←					B7
		B6	SBU:GND	G					A10
		A10	SBU:GND	G					B6
		B5	SBU:LVDS Data Signal TB1 (+)	←					A11
		A11	SBU:LVDS Data Signal TB1 (-)	←					B5
		B4	SBU:LVDS Data Signal TC1 (+)	←					A12
		A12	SBU:LVDS Data Signal TC1 (-)	←					B4
		B3	SBU:GND	G					A13
		A13	SBU:GND	G					B3
		B2	SBU:GND	G					A14
		A14	SBU:GND	G					B2
		B1	SBU:GND	G					A15
		A15	SBU:Connecting Detection	←	SBU Connect	SBU Not Connect			B1
CN215	IPU CN215	1	SBU:GND	G			CN301	SBU CN301	17
		2	SBU:+5V	P					16
		3	SBU:+5V	P					15
		4	SBU:+10V_SBU	P					14
		5	SBU:GND	G					13
		6	SBU:GND	G					12
		7	SBU:GND	G					11
		8	SBU:GND	G					10
		9	SBU:+3.3V_SBU	P					9
		10	SBU:+3.3V_SBU	P					8
		11	SBU:+3.3V_SBU	P					7
		12	SBU:GND	G					6
		13	SBU:GND	G					5
		14	SBU:+5.5V_SBU	P					4
		15	SBU:+5.5V_SBU	P					3
		16	SBU:GND	G					2
		17	SBU:LED Lighting Time Control	←	LED Extinction Time	LED Lighting Time			1
CN217	IPU CN217	1	DCSW:PW_BTN_N	←	ON	OFF	CN1	DCSW	2
		2	DCSW:GND	G					1
		3	HP sensor:GND	G			CN1	HPS	3
		4	HP sensor:Output	←	Not HP	HP			2
		5	HP sensor:+5V	P					1
		6	AKS sensor:GND	G			CN2	AKS	3
		7	AKS sensor:Output	←	ARDF Open	ARDF Close			2
		8	AKS sensor:+5VE	P					1
CN216	IPU CN216	1	LED-DB:LED Lighting Time Control	→	LED Lighting Time	LED Lighting Time	CN321	LED-DB CN321	5
		2	LED-DB:PGND	G					4
		3	LED-DB:LED Lighting Control	→	LED Light	LED Extinction			3
		4	LED-DB:+24VB	P					2
		5	LED-DB:LED Error Detection	←	LED Error Not Detect	LED Error Detect			1
CN214	IPU CN214	1	Scanner Motor:+24VA_SM	P			CN1	Scanner Motor	2
		2	Scanner Motor:/A Phase	→					1
		3	Scanner Motor:A Phase	→					4
		4	Scanner Motor:/B Phase	→					3
		5	Scanner Motor:B Phase	→					6
		6	Scanner Motor:+24VA_SM	P					5
CN219	IPU CN219	1	Bk:light Adjustment DAC LD2	→	Analog	Analog	JCN231	LDB(KC)	28
		2	Bk:light Adjustment DAC LD1	→	Analog	Analog			27
		3	Bk:LD Extinction	→	OFF	ON			26
		4	Bk:APC Control LD2	→	ON	OFF			25
		5	Bk:APC Control LD1	→	ON	OFF			24
		6	Bk LD2 Data-	→					23
		7	Bk LD2 Data+	→					22
		8	Bk LD1 Data-	→					21
		9	Bk LD1 Data+	→					20
		10	GND	G					19
		11	GND	G					18
		12	LD Power(+5VS)	P					17
		13	LD Power(+5VS)	P					16
		14	LD Power(+5VS)	P					15
		15	N.C	N					-
CN222	IPU CN222	1	Ma:light Adjustment DAC LD2	→	Analog	Analog		LDB(YM)	14
		2	Ma:light Adjustment DAC LD1	→	Analog	Analog			13
		3	Ma:LD Extinction	→	OFF	ON			12
		4	Ma:APC Control LD2	→	ON	OFF			11
		5	Ma:APC Control LD1	→	ON	OFF			10
		6	Ma LD2 Data-	→					9
		7	Ma LD2 Data+	→					8
		8	Ma LD1 Data-	→					7
		9	Ma LD1 Data+	→					6
		10	GND	G					5
		11	GND	G					4
		12	LD Power(+5VS)	P					3
		13	LD Power(+5VS)	P					2
		14	LD Power(+5VS)	P					1
CN220	IPU CN220	1	GND	G			JCN232	Laser Unit	26
		2	GND	G					25
		3	Cy:light Adjustment DAC LD2	→	Analog	Analog			24
		4	Cy:light Adjustment DAC LD1	→	Analog	Analog			23
		5	Bk,Cy:LD5V Power Error Detection	←	OFF	ON			22
		6	Bk,Cy:LD Error Detection	←	ON	OFF			21
		7	Cy:LD Extinction	→	OFF	ON			20
		8	Cy:APC Control LD2	→	ON	OFF			19
		9	Cy:APC Control LD1	→	ON	OFF			18
		10	Cy LD2 Data-	→					17
		11	Cy LD2 Data+	→					16
		12	Cy LD1 Data-	→					15
		13	Cy LD1 Data+	→					14
CN221	IPU CN221	1	GND	G					13
		2	GND	G					12
		3	Ye:light Adjustment DAC LD2	→	Analog	Analog			11
		4	Ye:light Adjustment DAC LD1	→	Analog	Analog			10
		5	Ye,Ma:LD Error Detection	←	ON	OFF			9
		6	Ye:LD Extinction	→	OFF	ON			8
		7	Ye:APC Control LD2	→	ON	OFF			7
		8	Ye:APC Control LD1	→	ON	OFF			6
		9	Ye LD2 Data-	→					5
		10	Ye LD2 Data+	→					4
		11	Ye LD1 Data-	→					3
		12	Ye LD1 Data+	→					2
		-	N.C	N					1

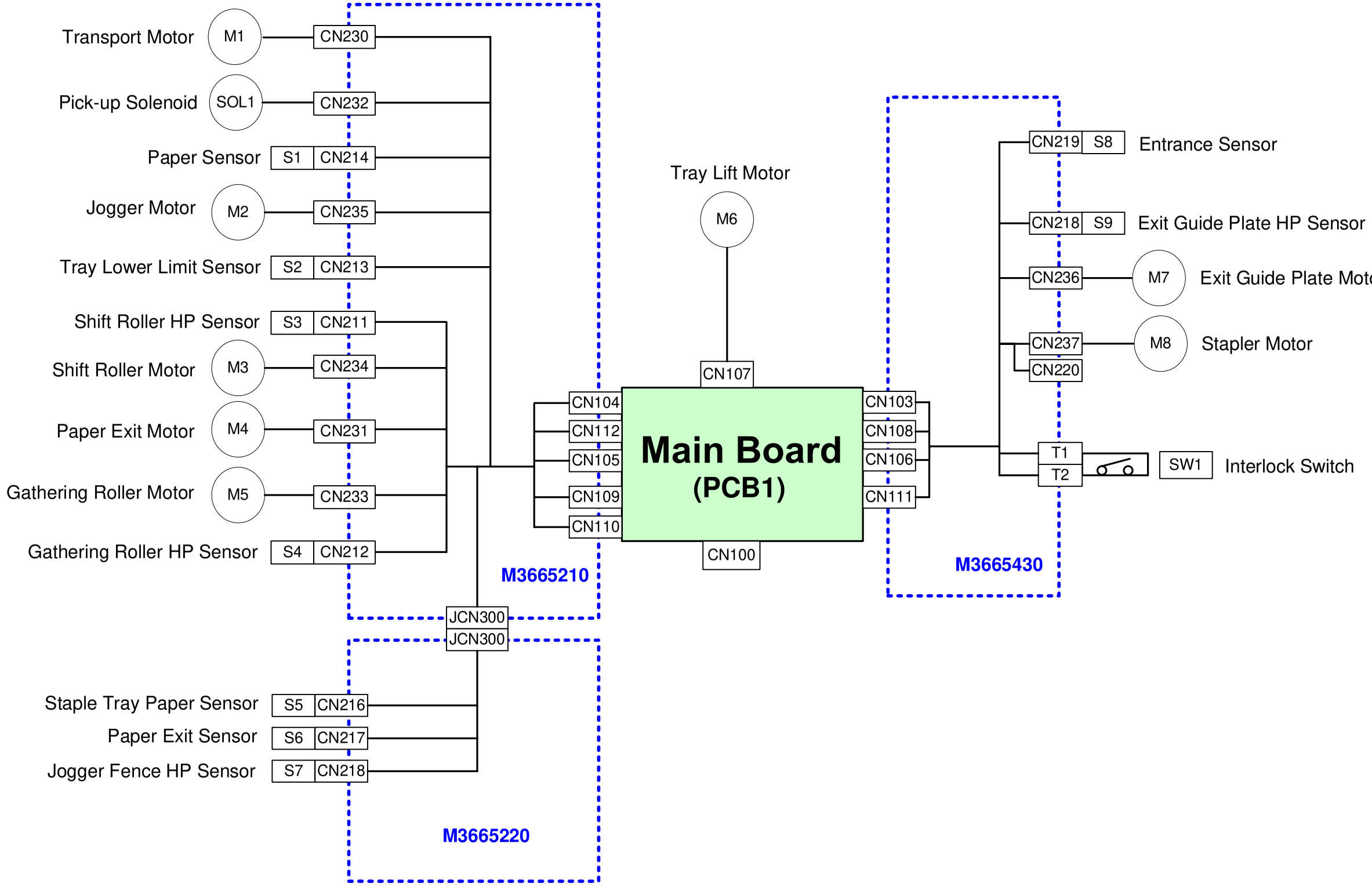
Connector (FROM)			Signal Information				Connector (TO)		
No	To Connector	Pin No	Signal Name	Direction	L	H	No	To Connector	Pin No
CN218	IPU CN218	1	+24VB	P			JCN230	Laser Unit	8
		2	GND	G					7
		3	Polygon Mirror Motor On	→	ON	OFF			6
		4	Polygon Mirror Motor Ready	←	ON	OFF			5
		5	Polygon Mirror Motor Clock	→					4
		6	Bk,Ye Leading Edge Synchronizing Detection Signal	←	ON	OFF			3
		7	+5V	P					2
		8	GND	G					1
CN113	BCU CN113	1	3.3V	P			CN203	IPU	2
		2	GND	G					1
CN10	JCN231	1	Ma:light Adjustment DAC LD2	→	Analog	Analog	CN4	LDB(YM)	14
		2	Ma:light Adjustment DAC LD1	→	Analog	Analog			13
		3	Ma:LD Extinction	→	OFF	ON			12
		4	Ma:APC Control LD2	→	ON	OFF			11
		5	Ma:APC Control LD1	→	ON	OFF			10
		6	Ma LD2 Data-	→					9
		7	Ma LD2 Data+	→					8
		8	Ma LD1 Data-	→					7
		9	Ma LD1 Data+	→					6
		10	GND	G					5
		11	GND	G					4
		12	LD Power(+5VS)	P					3
		13	LD Power(+5VS)	P					2
		14	LD Power(+5VS)	P					1
		15	Bk:light Adjustment DAC LD2	→	Analog	Analog	CN1	LDB(KC)	15
		16	Bk:light Adjustment DAC LD1	→	Analog	Analog			14
		17	Bk:LD Extinction	→	OFF	ON			13
		18	Bk:APC Control LD2	→	ON	OFF			12
		19	Bk:APC Control LD1	→	ON	OFF			11
		20	Bk LD2 Data-	→					10
		21	Bk LD2 Data+	→					9
		22	Bk LD1 Data-	→					8
		23	Bk LD1 Data+	→					7
		24	GND	G					6
		25	GND	G					5
		26	LD Power(+5VS)	P					4
		27	LD Power(+5VS)	P					3
		28	LD Power(+5VS)	→					2
		-	N.C.						1
CN11	JCN232	1	GND	G			CN3	LDB(KC)	12
		2	GND	G					11
		3	Cy:light Adjustment DAC LD2	→	Analog	Analog			10
		4	Cy:light Adjustment DAC LD1	→	Analog	Analog			9
		5	Bk,Cy:LD5V Power Error Detection	←	OFF	ON			8
		6	Bk,Cy:LD Error Detection	←	ON	OFF			7
		7	Cy:LD Extinction	→	OFF	ON			6
		8	Cy:APC Control LD2	→	ON	OFF			5
		9	Cy:APC Control LD1	→	ON	OFF			4
		10	Cy LD2 Data-	→					3
		11	Cy LD2 Data+	→					2
		12	Cy LD1 Data-	→					1
		13	Cy LD1 Data+	→					-
		14	GND	G			CN2	LDB(YM)	13
		15	GND	G					12
		16	Ye:light Adjustment DAC LD2	→	Analog	Analog			11
		17	Ye:light Adjustment DAC LD1	→	Analog	Analog			10
		18	Ye,Ma:LD Error Detection	←	ON	OFF			9
		19	Ye:LD Extinction	→	OFF	ON			8
		20	Ye:APC Control LD2	→	ON	OFF			7
		21	Ye:APC Control LD1	→	ON	OFF			6
		22	Ye LD2 Data-	→					5
		23	Ye LD2 Data+	→					4
		24	Ye LD1 Data-	→					3
		25	Ye LD1 Data+	→					2
		26	N.C	N					1
CN18	M0265308 JCN1	1	Lens Positioning Motor:M:/A Phase	→			CN19	Lens Positioning Motor:M	5
		2	Lens Positioning Motor:M:/B Phase	→					4
		3	Lens Positioning Motor:M:+24V	P					3
		4	Lens Positioning Motor:M:B Phase	→					2
		5	Lens Positioning Motor:M:A Phase	→					1
		6	Lens Positioning Motor:C:/A Phase	→			CN20	Lens Positioning Motor:C	5
		7	Lens Positioning Motor:C:/B Phase	→					4
		8	Lens Positioning Motor:C:+24V	P					3
		9	Lens Positioning Motor:C:B Phase	→					2
		10	Lens Positioning Motor:C:A Phase	→					1
		11	Lens Positioning Motor:Y:/A Phase	→			CN21	Lens Positioning Motor:Y	5
		12	Lens Positioning Motor:Y:/B Phase	→					4
		13	Lens Positioning Motor:Y:+24V	P					3
		14	Lens Positioning Motor:Y:B Phase	→					2
		15	Lens Positioning Motor:Y:A Phase	→					1
CN10	M0265246 JCN230	1	+24VB	P			JCN7	Polygon Mirror Motor	5
		2	GND	G					4
		3	Polygon Mirror Motor On	→					3
		4	Polygon Mirror Motor Ready	←					2
		5	Polygon Mirror Motor Clock	→					1
		6	Bk,Ye Leading Edge Synchronizing Detection Signal	←			CN1	Synchronizing Detector	3
		7	+5V	P					2
		8	GND	G					1
CN2	JCN7	1	+24VB	P			CN1	Polygon Mirror Motor	5
		2	GND	G					4
		3	Polygon Mirror Motor On	→					3
		4	Polygon Mirror Motor Ready	←					2
		5	Polygon Mirror Motor Clock	→					1
CN211	IPU CN211	1	+5VS	P			CN912	IPU Power	14
		2	GND	G					13
		3	+24VB	P					9
		4	+24VA	P					10
		5	+12V	P					11
		6	GND	G					12
		7	+5V	P					6
		8	+5V	P					7
		9	GND	G					8
		10	XPONENG	→	Power ON:V				4
		11	GND	G					3
		12	+5VE	P					2
		13	+5VE	P					1
		-	N.C	N					5
CN1	FCU CN605	1	MON SP				CN1	Speaker B771	1
		2	GND						2
CN2	FCU CN608	1	TIP				CN1	moduler	3
		2	NC						-
		3	RING						4
CN2	FCU CN609	1	SHUNT				CN1	moduler	1
		2	T1						2
		3	R1						5
		4	TIP						3
		5	NC						6
		6	RING						4
CN2	FCU CN608	1	R1				CN1	moduler	4
		2	T1						3
CN2	FCU CN609	1	SHUNT				CN1	moduler	4
		2	NC						3
		3	T1						2
		4	R1						5
		5	T1						1
		6	R1						6

Connector (FROM)			Signal Information				Connector (TO)		
No	To Connector	Pin No	Signal Name	Direction	L	H	No	To Connector	Pin No
CN206	IPU CN206	1	GND	G			CN619	OPU	15
		2	GND	G					14
		3	GND	G					13
		4	SDMODE_N	→					12
		5	LDET_IN_N	←					11
		6	ENG_ENABLE_N	→					10
		7	PONOPE_N	→					9
		8	ECO_SW_N	←					8
		9	POKUSB	→					7
		10	OPE_CTLERR_N	→					6
		11	OPE_LED_N	→					5
		12	5VX	P					4
		13	5VX	P					3
		14	5VX	P					2
		15	5VX	P					1
CN207	IPU CN207	1	+5V_LPS	P			CN3		1
		2	USB0D-	←→					2
		3	USB0D+	←→					3
									4
		4	GND	G					5
CN213	IPU CN213	1	ADF:GND	G			CN100	ADF CN100	9
		2	ADF:GND	G					8
		3	ADF:GND	G					7
		4	ADF:GND	G					6
		5	ADF:+24VA	P					5
		6	ADF:+24VA	P					4
		7	ADF:+24VA	P					3
		8	ADF:+24VA	P					2
		9	ADF:+5VE_ADF	P			CN101	ADF CN101	8
		10	ADF:Serial Communication	←					7
		11	ADF:Original_SET_DETECT	←	Detect	Not Detect			6
		12	ADF:Serial Communication	→					5
		13	ADF:Valid_Image_Area	←	Valid	Not Valid			4
		14	ADF:+5V	P					3
		15	ADF:GND	G					2
		16	ADF:GND	P					1
Inlet	Power Cord	L	AC_IN L	P					T901
		N	AC_IN N	P					T902
		E	EARTH	G					T1
CN906	PSU CN906	1	N.C.	N					
		2	Tray Heater(Mainframe):L	P			CN1	Tray Heater (Mainframe)	1
		3	Tray Heater(Optional Unit):L	P			CN2	Tray Heater (Optional Unit)	1
		4	N.C.	N					
		5	Tray Heater(Mainframe):N	P			CN1	Tray Heater (Mainframe)	2
		6	Tray Heater(Optional Unit):N	P			CN2	Tray Heater (Optional Unit)	2
T1	B-1		Development B:Y	P			T2	PCDU	
T3	B-2		Development B:M	P			T4		
T5	B-3		Development B:C	P			T6		
T7	B-4		Development B:K	P			T8		
CN812	HVPS CN812	1	Charge AC:Y:FB	←			CN1	PCDU	4
		2	Charge AC:M:FB	←					3
		3	Charge AC:C:FB	←					2
		4	Charge AC:K:FB	←					1
T15	C-4		Charge C:Y	P			T2	PCDU	
T13	C-3		Charge C:M	P			T4		
T11	C-2		Charge C:C	P			T6		
T9	C-1		Charge C:K	P			T8		
T17	T1-1		Image Transfer T1:Y	P			T18	ITB Unit	
T19	T1-2		Image Transfer T1:M	P			T20		
T21	T1-3		Image Transfer T1:C	P			T22		
T23	T1-4		Image Transfer T1:K	P			T24		
T25	T2		Paper Transfer T2	P			T26		
CN2	JCN1	1	Charge C:Y:FB	←			T27	PCDU	
		2	Charge C:M:FB	←			T28		
		3	Charge C:C:FB	←			T29		
		4	Charge C:K:FB	←			T30		
CN3	CN1	1	Tray Heater(Optional Unit):L				CN2	Tray Heater (Optional Unit)	1
		2	Tray Heater(Optional Unit):N						2
CN17	HDD (Signal)	1	GND	G			-	HDD (Signal Segment)	S1
		2	DATA_A+	→					S2
		3	DATA_A-	→					S3
		4	GND	G					S4
		5	DATA_B-	←					S5
		6	DATA_B+	←					S6
		7	GND	G					S7
CN21	HDD (Power)	1	Power+12V	P			-	HDD (Power Segment)	P13
									P14
									P15
		2	GND	G					P4
									P5
									P6
		3	GND	G					P10
									P12
									-
		4	Power+5V	P					P7
									P8
									P9

ARDF POINT TO POINT DIAGRAM



Internal Finisher POINT TO POINT DIAGRAM



D191/D193 ELECTRICAL COMPONENT LAYOUT (1/4)

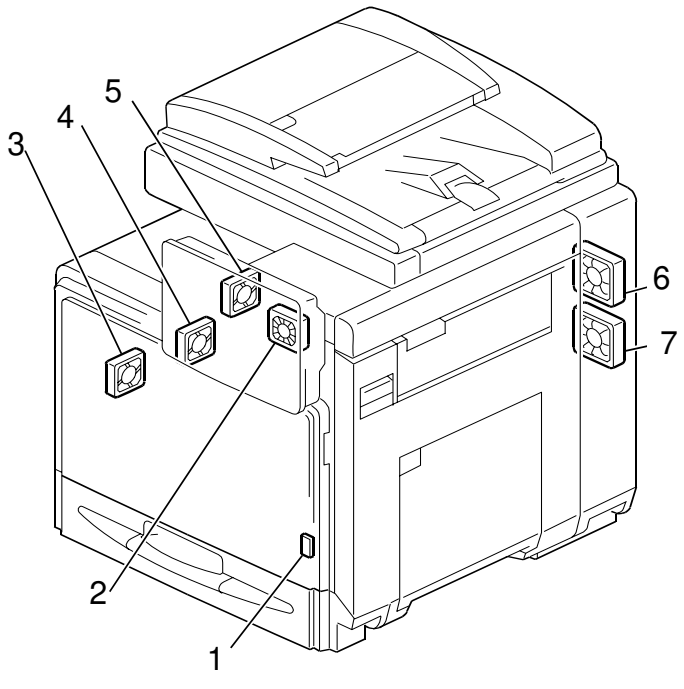


Fig1 M022V151

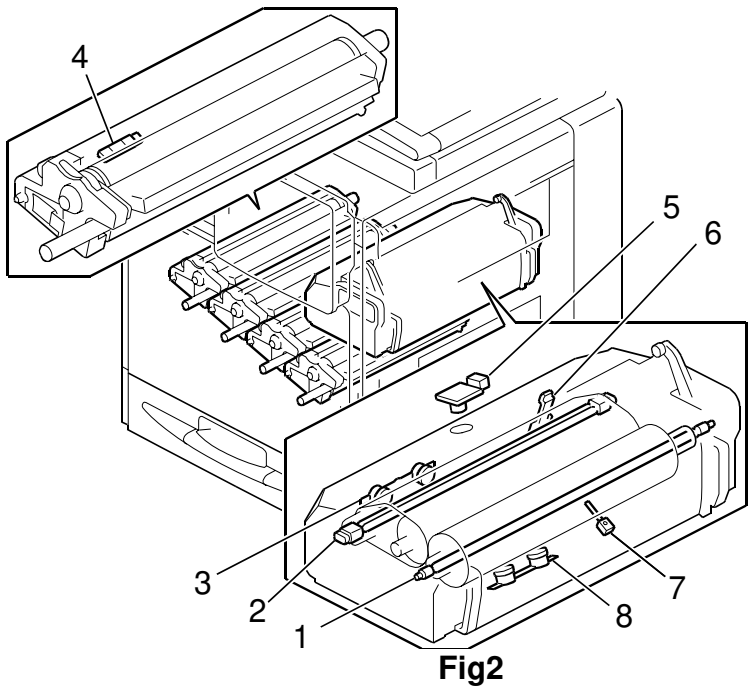


Fig2 M022V162

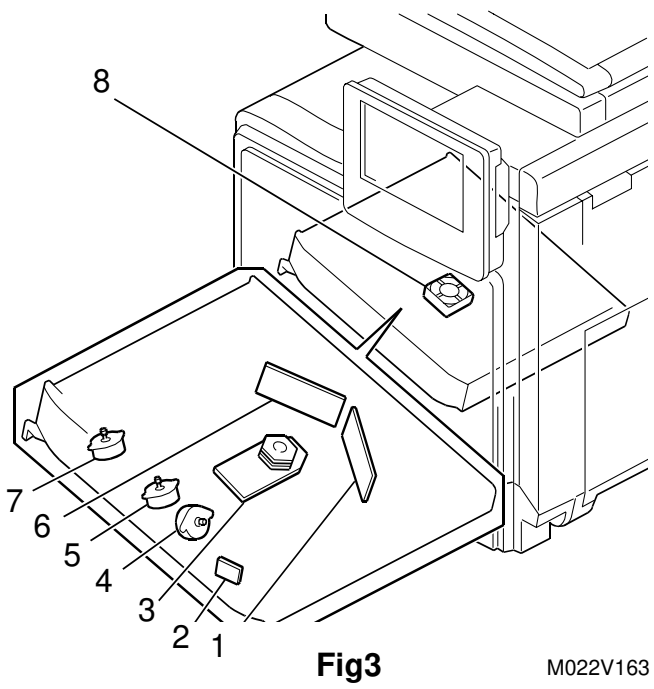


Fig3 M022V163

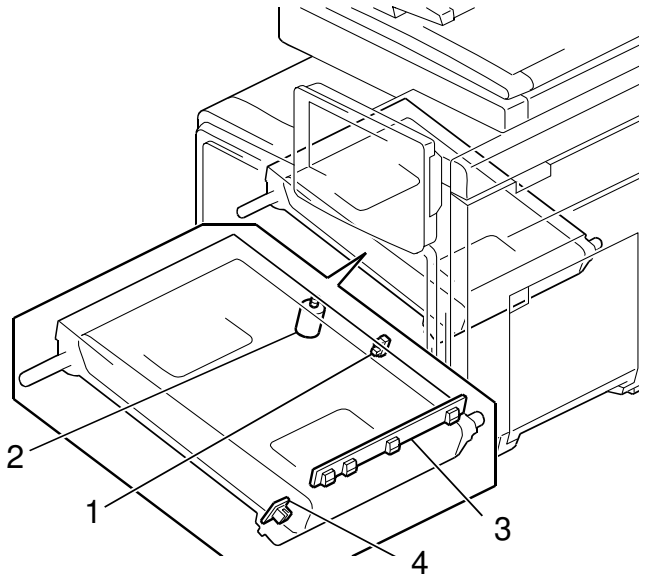


Fig4 M022V164

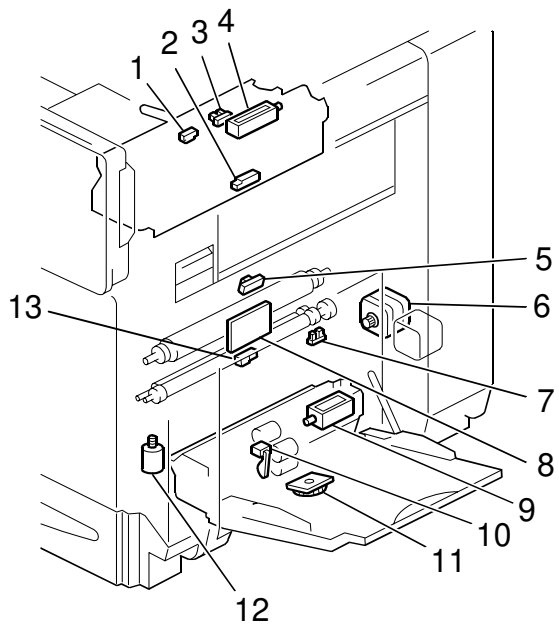


Fig5 M022V165

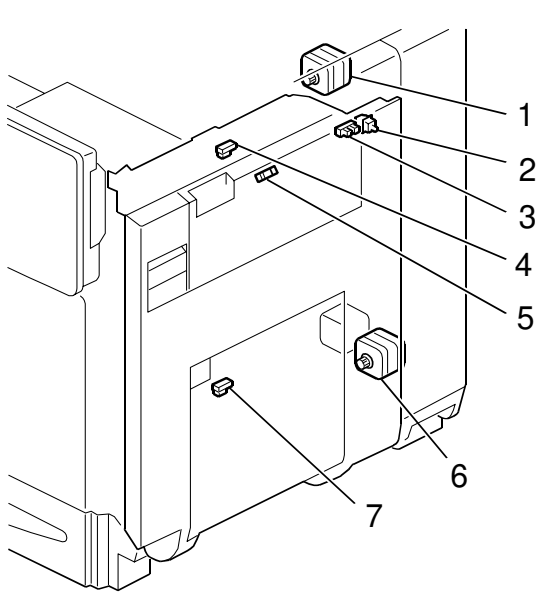


Fig6 M022V166

D191/D193 ELECTRICAL COMPONENT LAYOUT (2/4)

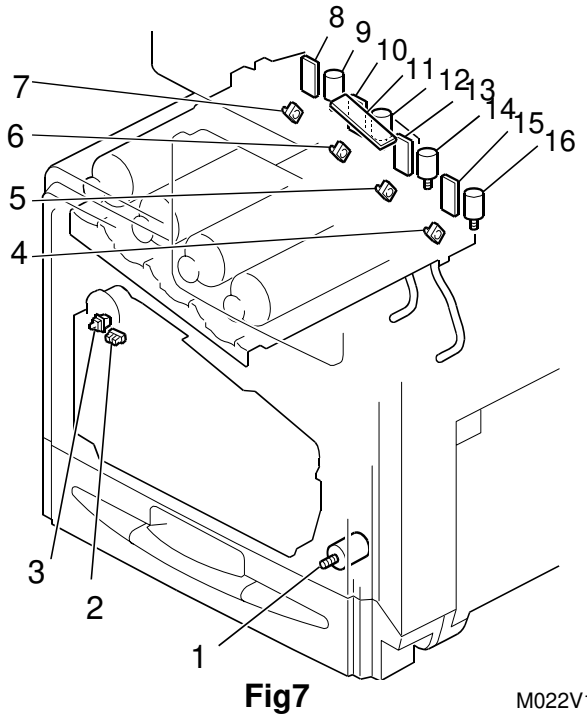


Fig7 M022V167

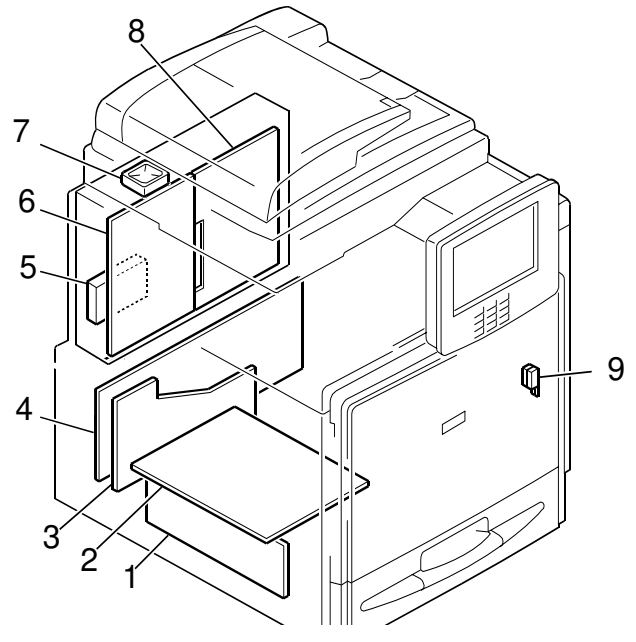


Fig8 M022V168

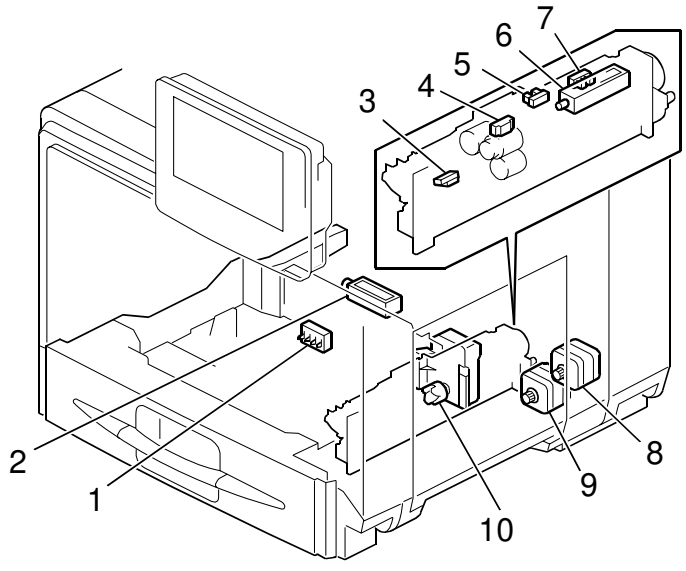


Fig9 M022V169

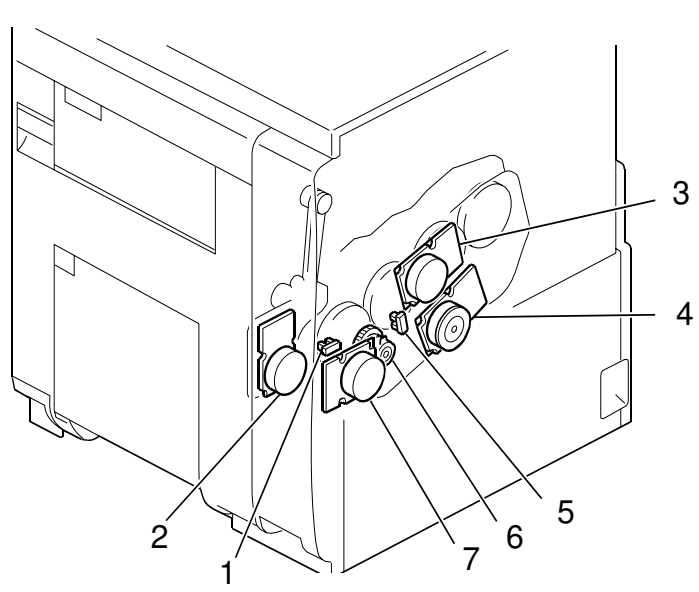


Fig10 M022V170

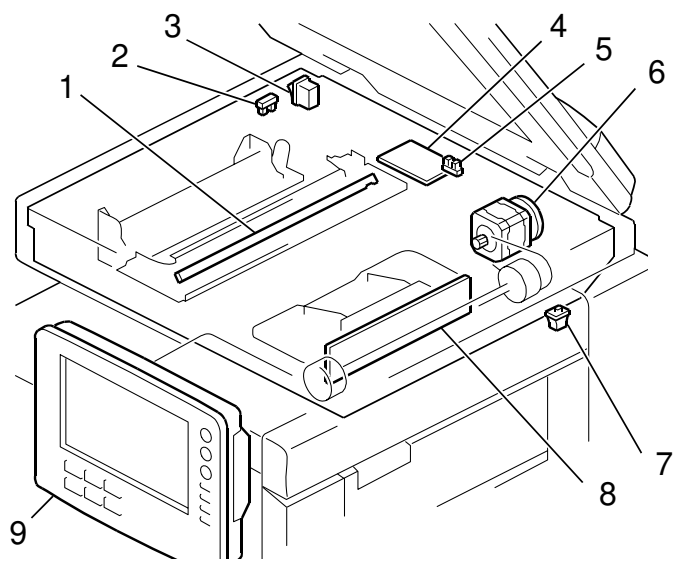


Fig11 M022V171

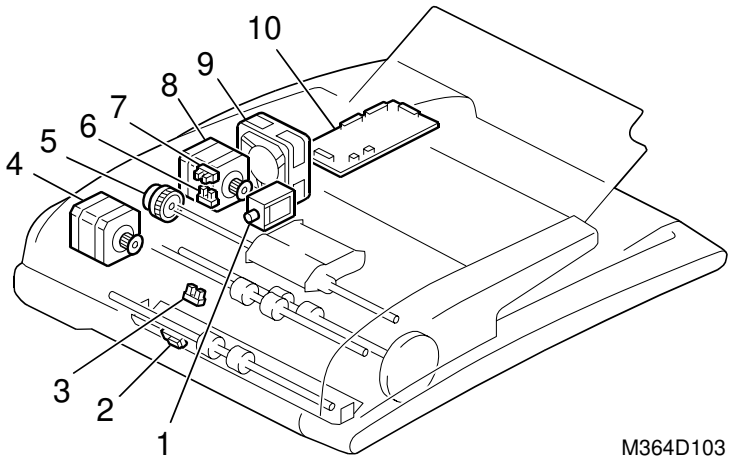
D191/D193 ELECTRICAL COMPONENT LAYOUT (3/4)

Motors				
M1	Fig4-2	ITB Contact Motor	E3	1/2
M2	Fig7-16	Toner Supply Motor: K	E3	1/2
M3	Fig7-12	Toner Supply Motor: M	E3	1/2
M4	Fig7-14	Toner Supply Motor: C	E3	1/2
M5	Fig7-9	Toner Supply Motor: Y	E3	1/2
M6	Fig3-5	Lens Positioning Motor: M	G3	1/2
M7	Fig3-4	Lens Positioning Motor: C	G3	1/2
M8	Fig3-7	Lens Positioning Motor: Y	G3	1/2
M9	Fig9-10	Tray Lift Motor	I3	1/2
M10	Fig9-9	Paper Feed Motor	A6	1/2
M11	Fig5-6	Registration Motor	A6	1/2
M12	Fig6-6	Duplex/By-pass Motor	A6	1/2
M13	Fig6-1	Inverter Motor	A6	1/2
M14	Fig9-8	Vertical Transport Motor	A6	1/2
M15	Fig10-2	Fusing/Paper Exit Motor	C5	1/2
M16	Fig10-7	ITB Unit/Drum: K/Development: K Moto	D5	1/2
M17	Fig5-12	Paper Transfer Roller Contact Motor	E6	1/2
M18	Fig7-1	Toner Collection Motor	E6	1/2
M19	Fig10-3	Drum Motor: CMY	H5	1/2
M20	Fig10-4	Development Motor: CMY	I5	1/2
M21	Fig11-6	Scanner Motor	B2	2/2
M22	Fig3-3	Polygon Mirror Motor	C1	2/2
Sensors				
S1	Fig9-3	Paper Feed Sensor	A2	1/2
S2	Fig9-4	Vertical Transport Sensor	A2	1/2
S3	Fig9-5	Paper End Sensor	A2	1/2
S4	Fig9-7	Paper Lift Sensor	A2	1/2
S5	Fig5-13	Registration Sensor	A2	1/2
S6	Fig6-4	Duplex Entrance Sensor	C2	1/2
S7	Fig6-3	Duplex Cover Sensor	C2	1/2
S8	Fig6-5	Inverter Sensor	C2	1/2
S9	Fig6-7	Duplex Exit Sensor	C2	1/2
S10	Fig5-5	Fusing Entrance Sensor	C2	1/2
S11	Fig5-10	By-pass Paper End Sensor	D2	1/2
S12	Fig5-11	By-pass Paper Size Sensor	D2	1/2
S13	Fig7-4	Toner End Sensor: K	F3	1/2
S14	Fig7-6	Toner End Sensor: M	F3	1/2
S15	Fig7-5	Toner End Sensor: C	F3	1/2
S16	Fig7-7	Toner End Sensor: Y	F3	1/2
S17	Fig7-2	Waste Toner Bottle Full Sensor	G3	1/2
S18	Fig5-1	Paper Exit Sensor	C6	1/2
S19	Fig5-3	Paper Overflow Sensor	C6	1/2
S20	Fig5-2	Fusing Exit Sensor	C6	1/2
S21	Fig10-1	Drum Phase Sensor: K	C6	1/2
S22	Fig10-5	Drum Phase Sensor: CMY	D6	1/2
S23	Fig2-4	TD Sensor: C	D6	1/2
S24	Fig2-4	TD Sensor: K	D6	1/2
S25	Fig1-1	Temperature/Humidity Sensor	E5	1/2
S26	Fig5-7	Paper Transfer Roller Contact Sensor	E6	1/2
S27	Fig4-4	ITB Rotation Sensor	E7	1/2
S28	Fig4-1	ITBt Contact Sensor	E6	1/2
S29	Fig2-4	TD Sensor: M	I6	1/2
S30	Fig2-4	TD Sensor: Y	I6	1/2
S31	Fig11-2	Scanner HP Sensor	A2	2/2
S32	Fig11-5	Cover Sensor	A2	2/2

Clutch				
CL1	Fig10-6	Development Clutch: K	D6	1/2
Switches				
SW1	Fig7-3	Waste Toner Bottle Set Switch	G3	1/2
SW2	Fig9-1	Paper Size Switch	I3	1/2
SW3	Fig8-9	Interlock Switch	A6	2/2
SW4	Fig6-2	Right Door Switch	B5	1/2
SW5	Fig11-7	Right Tray Set Switch	B5	1/2
SW6	Fig11-3	Main Power Switch	A2	2/2
Solenoids				
SOL1	Fig9-6	Paper Feed Solenoid	A2	1/2
SOL2	Fig5-9	By-pass Solenoid	D2	1/2
SOL3	Fig9-2	Tray Lock Solenoid	I3	1/2
SOL4	Fig5-4	Junction Gate Solenoid 1	C6	1/2
SOL5	-	Junction Gate Solenoid 2	C6	1/2
Fans				
FAN1	Fig1-5	Toner Supply Fan	H3	1/2
FAN2	Fig3-8	Laser Unit Fan	H3	1/2
FAN3	Fig1-3	Ventilation Fan 1	H3	1/2
FAN4	Fig1-4	Ventilation Fan 2	H3	1/2
FAN5	Fig1-6	Fusing Rear Fan	F6	1/2
FAN6	Fig1-2	Fusing Front Fan	F6	1/2
FAN7	Fig1-7	Drive Unit Fan	F6	1/2
FAN8	-	PSU Fan 1	F2	2/2
FAN9	-	PSU Fan 2	G2	2/2
FAN10	Fig8-7	Controller Fan	C6	2/2
Others				
L1	Fig2-1	Pressure Roller Fusing Lamp	H6	1/2
L2	Fig2-2	Heating Lamp	H6	1/2
TP1	Fig2-5	Thermopile	F6	1/2
TH1	Fig2-6	Thermistor	H6	1/2
TH2	Fig2-7	Pressure Roller Thermistor	H6	1/2
-	Fig2-3	Heating Roller Thermostat	-	-
-	Fig2-8	Pressure Roller Thermostat	-	-
PCBs				
PCB1	Fig5-8	HVPS: D	C2	1/2
PCB2	Fig7-15	RFID-AFE (K)	E2	1/2
PCB3	Fig7-13	RFID-AFE(C)	E2	1/2
PCB4	Fig7-10	RFID-AFE(M)	F2	1/2
PCB5	Fig7-8	RFID-AFE(Y)	F2	1/2
PCB6	Fig7-11	RFID-CPU	F2	1/2
PCB7	Fig8-3	BCU	C4	1/2
PCB8	Fig4-3	ID Sensor Board	E6	1/2
PCB9	Fig11-8	SBU	A2	2/2
PCB10	Fig11-1	LED-B	B1	2/2
PCB11	Fig11-4	LED-DB	B2	2/2
PCB12	Fig3-1	LDB (KC)	B2	2/2
PCB13	Fig3-6	LDB (YM)	C2	2/2
PCB14	Fig3-2	Laser Synchronizing Detector	C2	2/2
PCB15	Fig8-8	IPU	B3	2/2
PCB16	Fig8-4	PSU	F3	2/2
PCB17	Fig8-2	HVPS:C/B	H3	2/2
PCB18	Fig8-1	HVPS:T1/T2	I3	2/2
PCB19	Fig11-9	Operation Panel	A5	2/2
PCB20	Fig8-6	Controller Board	D5	2/2
PCB21	Fig8-5	HDD	C7	2/2

D191/D193 ELECTRICAL COMPONENT LAYOUT (4/4)

ARDF ELECTRICAL COMPONENT LAYOUT



M364D103

Symbol	Index No.	Description	P to P
Motors			
M1	4	Transport Motor	C7
M2	8	Feed Motor	D7
Sensors			
S1	6	Top Cover Sensor	C2
S2	7	Original Set Sensor	D2
S3	3	Inverter Sensor	D2
S4	2	Registration Sensor	E2
Magnetic Clutches			
MC1	5	Feed Clutch	D7
Solenoids			
SOL1	1	Inverter Solenoid	B4
FANs			
FAN1	9	Cooling Fan	B4
PCBs			
PCB1	10	Drive Board	C4

Internal Finisher ELECTRICAL COMPONENT LAYOUT

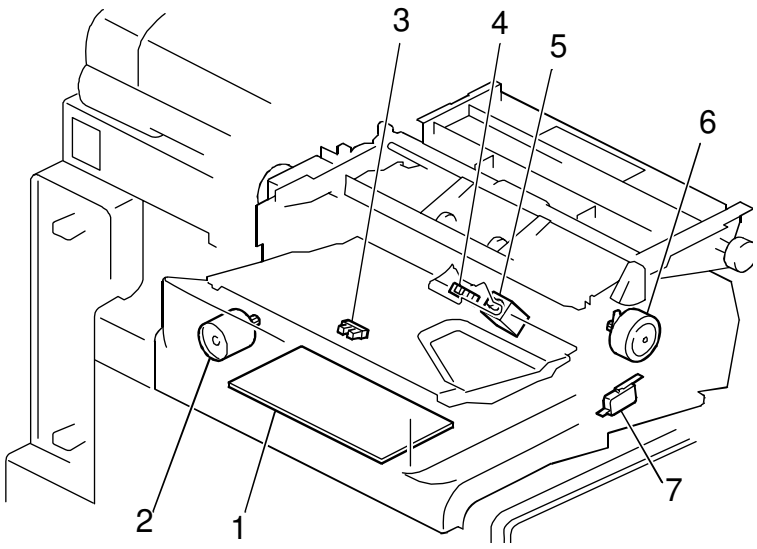


Fig1

M366D103a

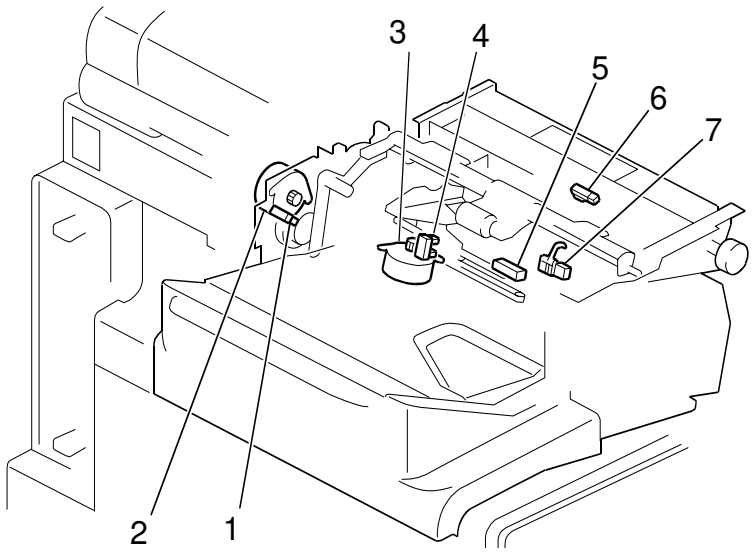


Fig2

M366D104

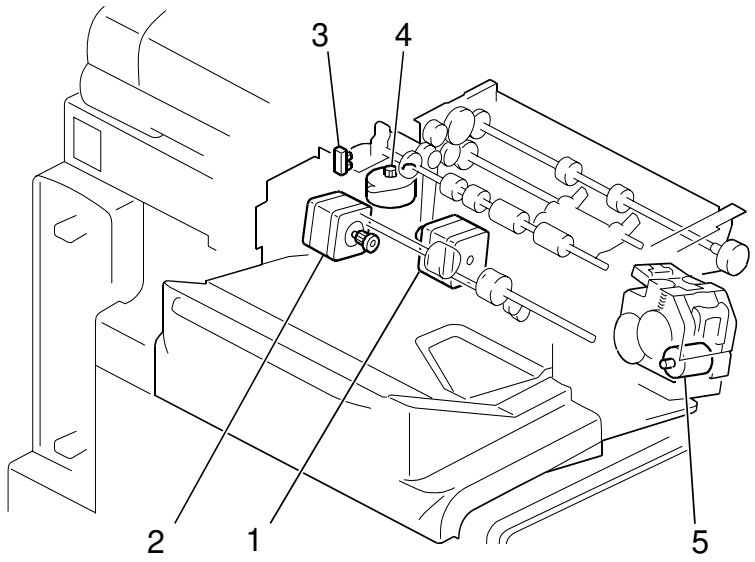


Fig3

M366D105

Symbol	Index No.	Description	P to P
Motors			
M1	Fig3－1	Transport Motor	B2
M2	Fig2－3	Jogger Motor	C2
M3	Fig3－4	Shift Roller Motor	C2
M4	Fig3－2	Paper Exit Motor	D2
M5	Fig2－2	Gathering Roller Motor	D2
M6	Fig1－2	Tray Lift Motor	C5
M7	Fig1－6	Exit Guide Plate Motor	C7
M8	Fig3－5	Stapler Motor	C7
Sensors			
S1	Fig1－4	Paper Sensor	B3
S2	Fig1－3	Tray Lower Limit Sensor	C3
S3	Fig3－3	Shift Roller HP Sensor	C3
S4	Fig2－1	Gathering Roller HP Sensor	D3
S5	Fig2－7	Staple Tray Paper Sensor	E3
S6	Fig2－5	Paper Exit Sensor	E3
S7	Fig2－4	Jogger Fence HP Sensor	E3
S8	Fig2－6	Entrance Sensor	B6
S9	-	Exit Guide Plate HP Sensor	C6
Switches			
SW1	Fig1－7	Interlock Switch	D7
Solenoids			
SOL1	Fig1－5	Pick-up Solenoid	B2
PCBs			
PCB1	Fig1－1	Main Board	D5