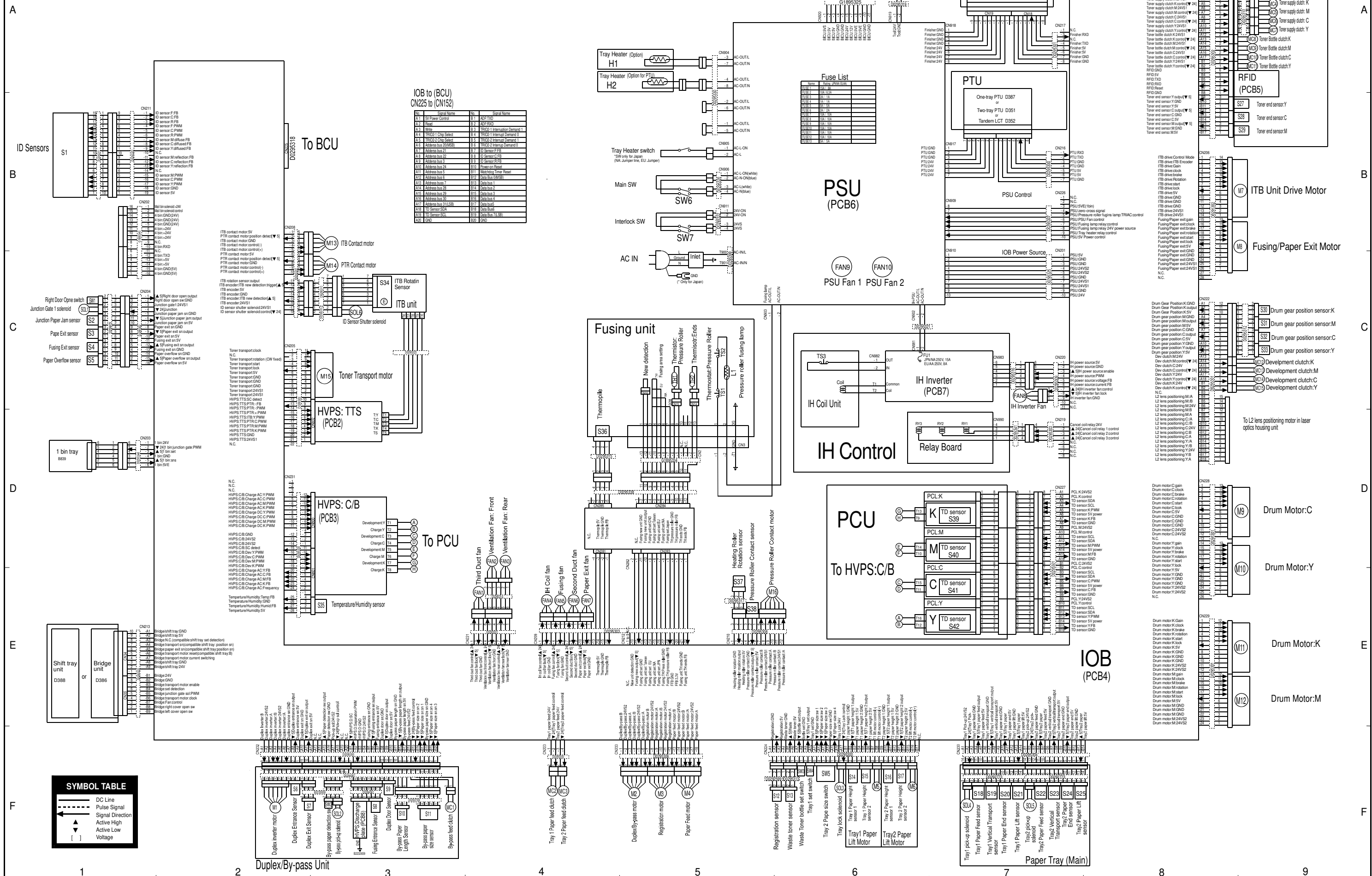
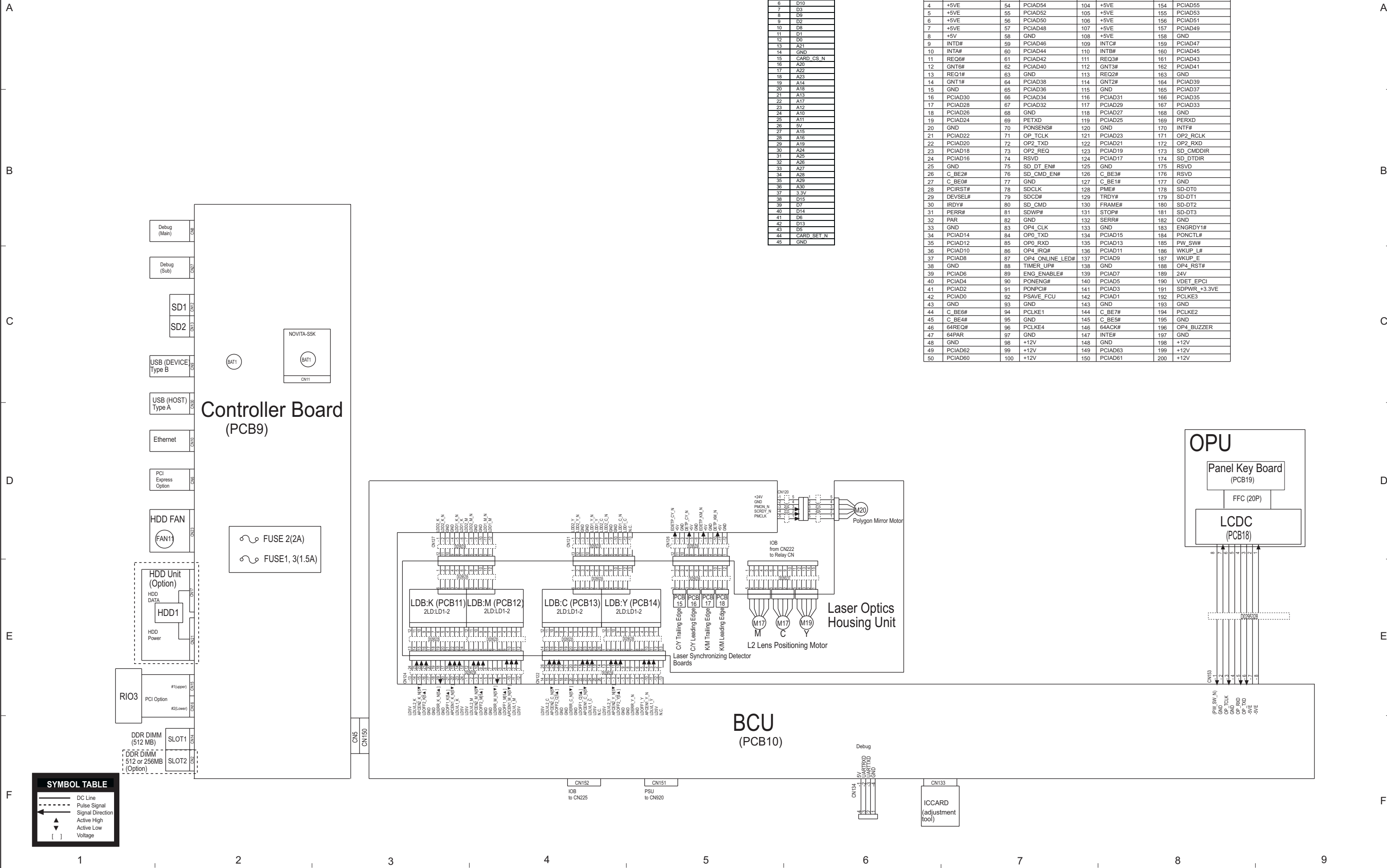


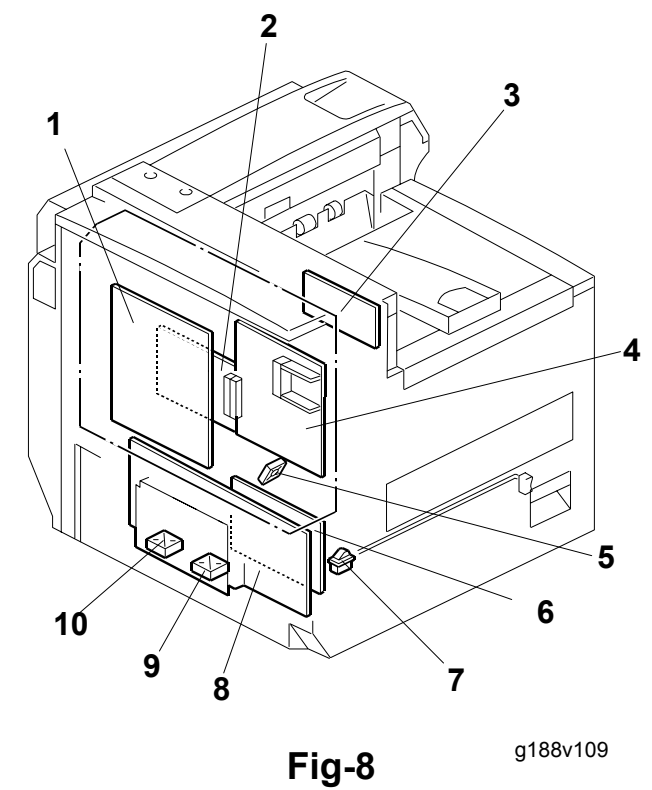
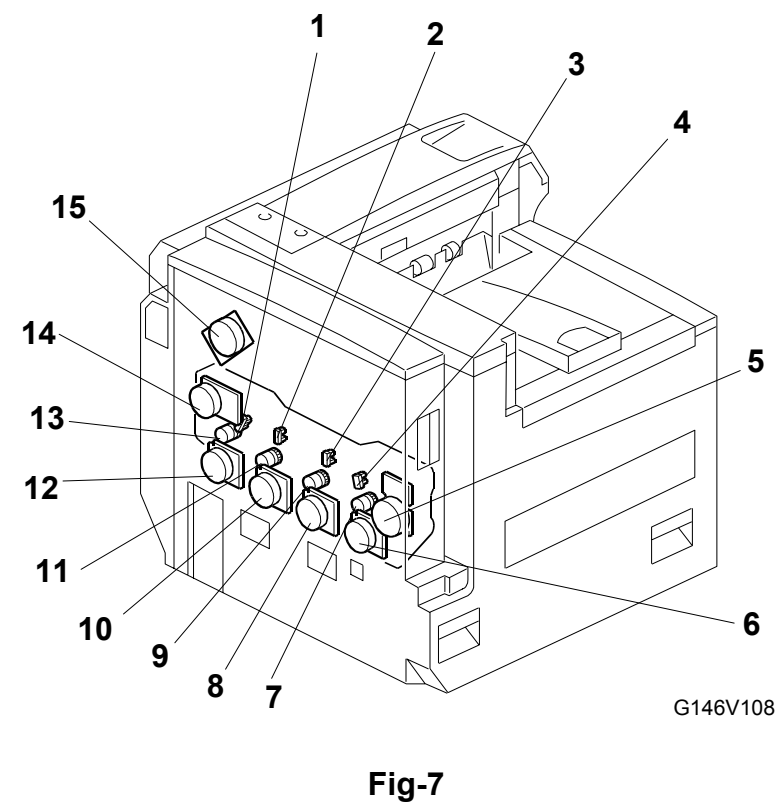
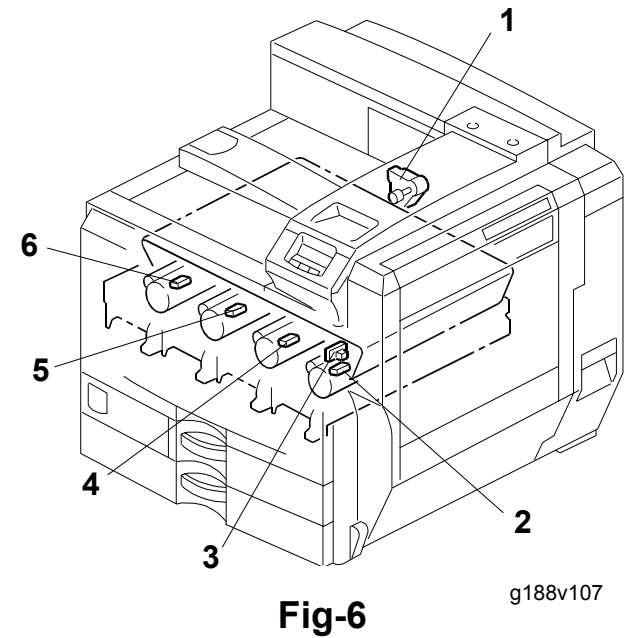
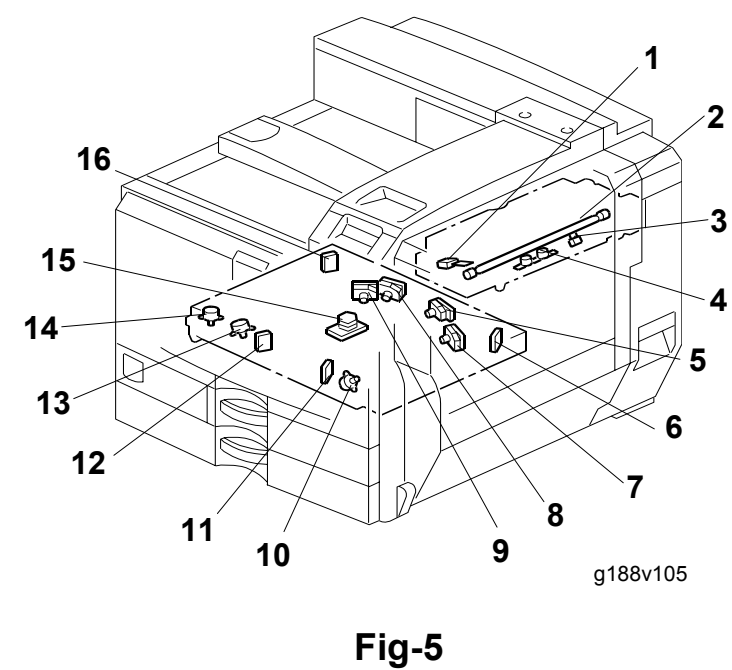
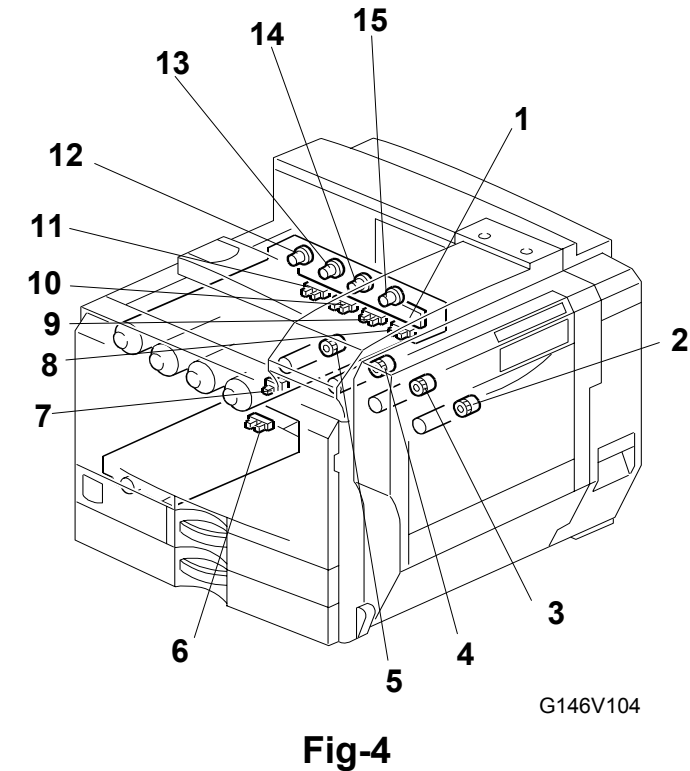
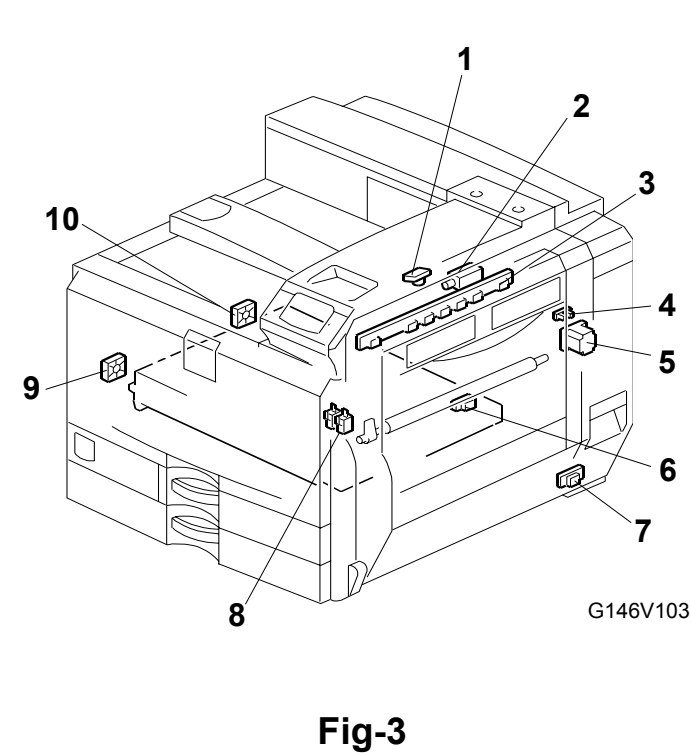
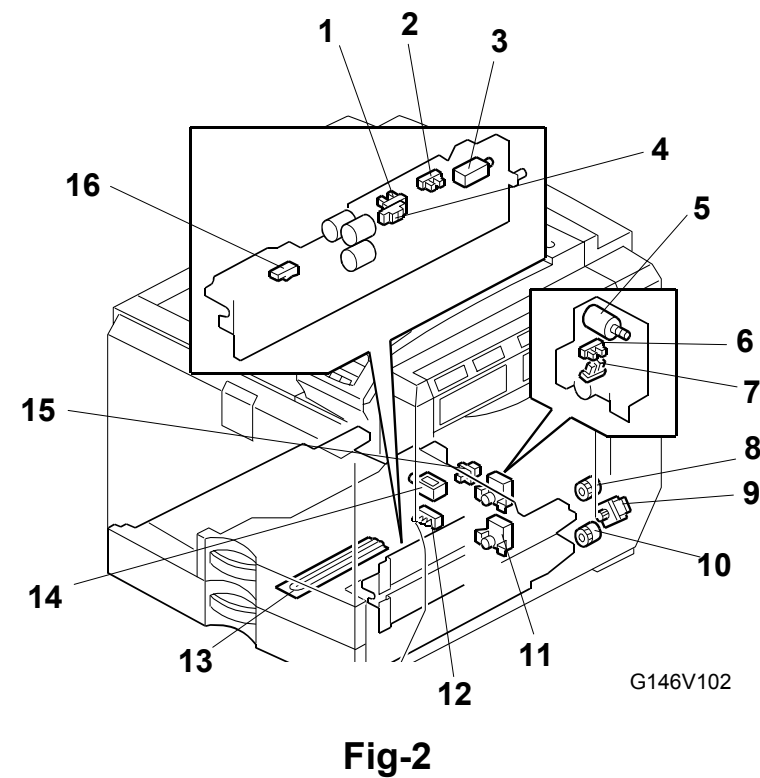
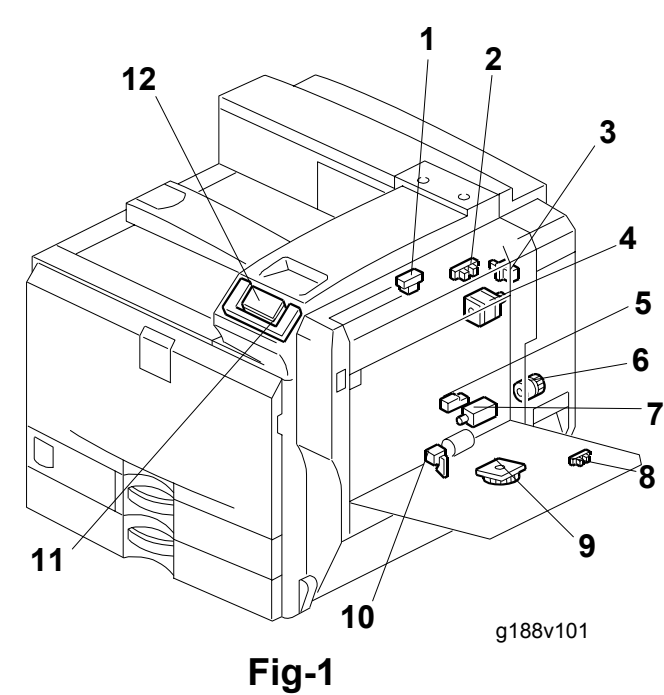
G188/G189 POINT TO POINT DIAGRAM (1/2)



G188/G189 POINT TO POINT DIAGRAM (2/2)



G188/G189 ELECTRICAL COMPONENT LAYOUT (1/2)



G188/G189 ELECTRICAL COMPONENT LAYOUT (2/2)

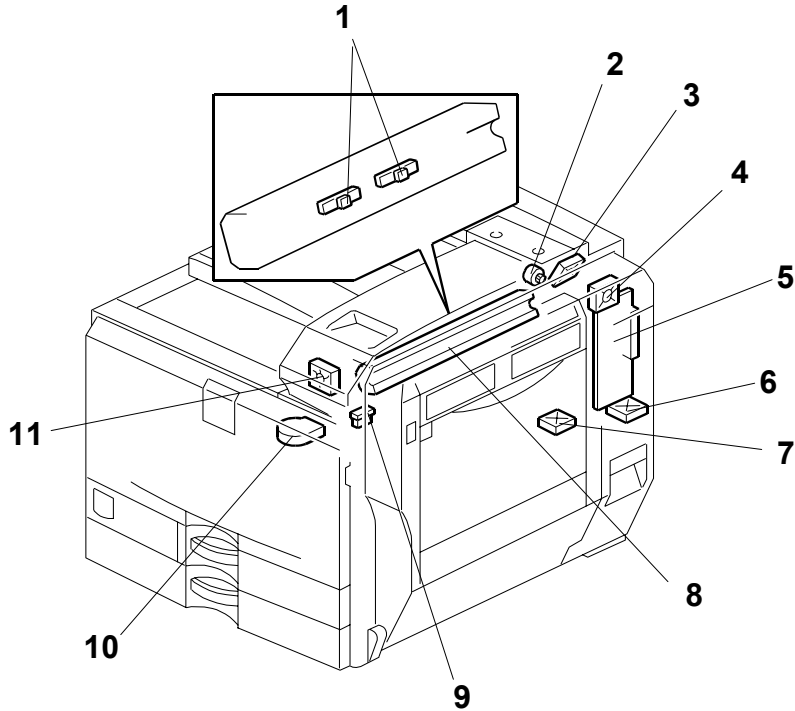


Fig-9

g188v110

Symbol	Index No.	Description	P to P	Page
PCBs				
PCB1	8-3	HVPS: TTS	D3	1/2
PCB2	8-6	HVPS: C/B	D3	1/2
PCB3	8-1	IOB	E8	1/2
PCB4	4-1	RFID	A9	1/2
PCB5	8-8	PSU	B6	1/2
PCB6	9-5	IH Inverter Board	C7	1/2
PCB7	10-9	HVPS - Discharge Plate	F3	1/2
PCB8	8-4	Controller Board	D2	1/2
PCB9	8-2	BCU	F5	1/2
PCB10	5-5	LDB: K	E3	2/2
PCB11	5-7	LDB: M	E4	2/2
PCB12	5-8	LDB: C	E4	2/2
PCB13	5-9	LDB: Y	E5	2/2
PCB14	5-16	Laser Synchronizing Detector Board-YC-TE	E5	2/2
PCB15	5-12	Laser Synchronizing Detector Board-YC-LE	E5	2/2
PCB16	5-11	Laser Synchronizing Detector Board-MK-TE	E5	2/2
PCB17	5-6	Laser Synchronizing Detector Board-MK-LE	E5	2/2
PCB18	1-12	LCDC	D8	2/2
PCB19	1-11	Panel Key Board	D8	2/2
Heaters				
H1	2-13	Tray Heater (Option)	A4	1/2
H2	2-13	Tray Heater (Option for PTU)	A4	1/2

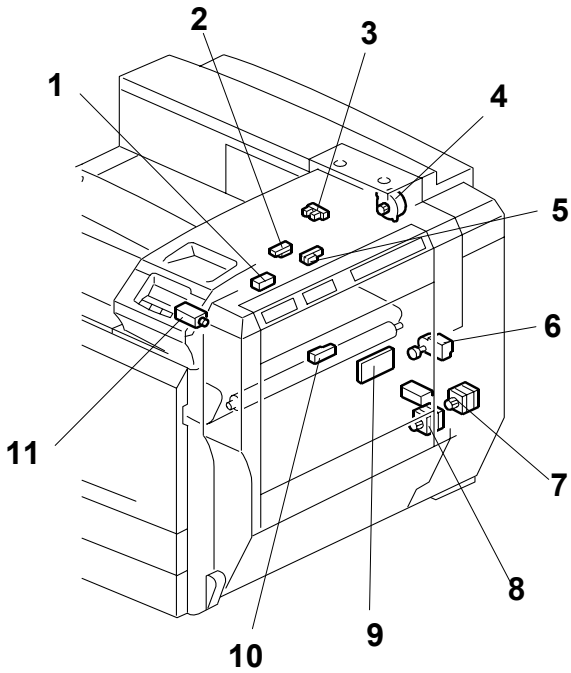


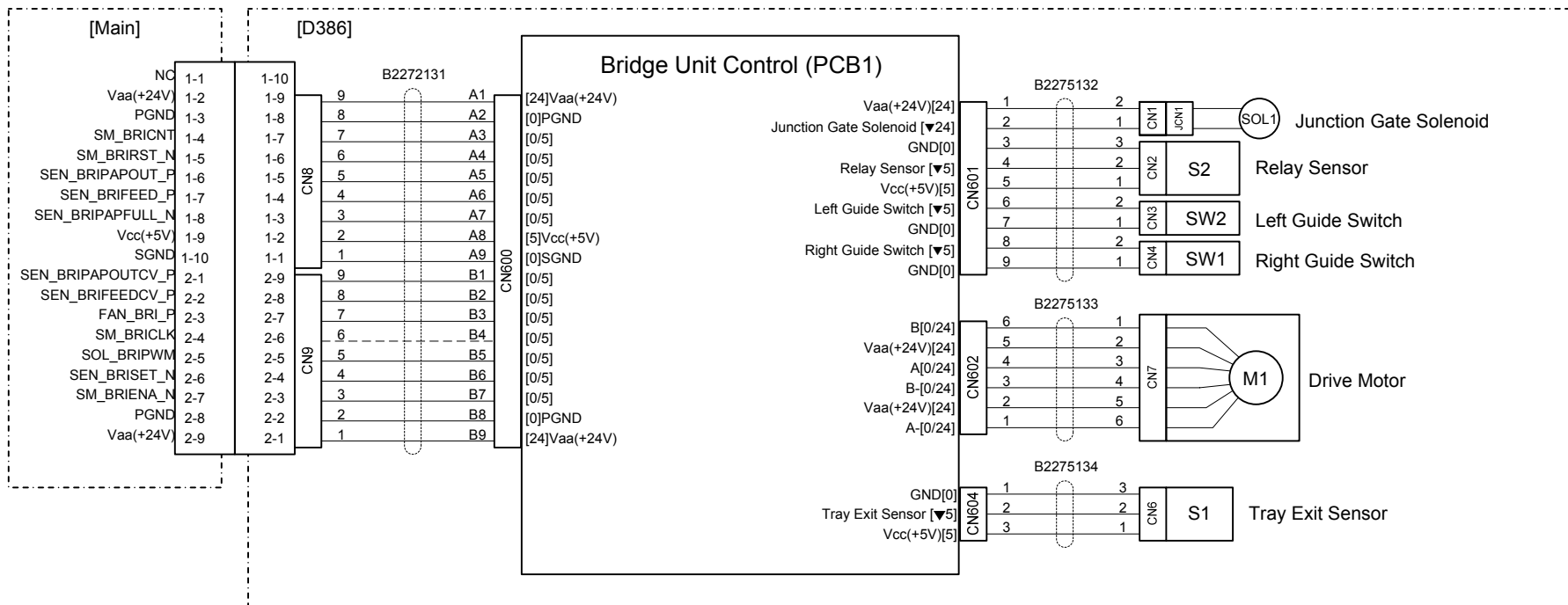
Fig-10

g188v111

Symbol	Index No.	Description	P to P	Page
Motors				
M1	1-4	Duplex Inverter	F2	1/2
M2	10-7	Duplex/By-pass	F5	1/2
M3	10-8	Registration	F5	1/2
M4	3-9	Paper Feed	F5	1/2
M5	2-5	Tray1 Lift	F6	1/2
M6	2-11	Tray2 Lift	F6	1/2
M7	7-14	ITB Unit Drive	B9	1/2
M8	7-15	Fusing/Paper Exit	B9	1/2
M9	7-8	Drum/Development Motor:C	D9	1/2
M10	7-6	Drum/Development Motor:Y	D9	1/2
M11	7-12	Drum/Development Motor:K	E9	1/2
M12	7-10	Drum/Development Motor:M	E9	1/2
M13	6-1	ITB Contact	B3	1/2
M14	10-6	PTR Contact	C3	1/2
M15	7-5	Toner Transport	C3	1/2
M16	3-5	Pressure Roller Contact motor	E5	1/2
M17	5-10	L2 lens positioning motor:M	E5	2/2
M18	5-13	L2 lens positioning motor:C	E6	2/2
M19	5-14	L2 lens positioning motor:Y	E6	2/2
M20	5-15	Polygon Mirror	D6	2/2
Clutches				
MC1	1-6	By-pass Feed	F3	1/2
MC2	2-8	Tray1 Paper Feed	F4	1/2
MC3	2-10	Tray2 Paper Feed	F4	1/2
MC4	4-2	Toner Supply Clutch:K	A9	1/2
MC5	4-3	Toner Supply Clutch:M	A9	1/2
MC6	4-4	Toner Supply Clutch:C	A9	1/2
MC7	4-5	Toner Supply Clutch:Y	A9	1/2
MC8	4-12	Toner Bottle Clutch - K	A9	1/2
MC9	4-15	Toner Bottle Clutch - M	A9	1/2
MC10	4-14	Toner Bottle Clutch - C	A9	1/2
MC11	4-13	Toner Bottle Clutch - Y	A9	1/2
MC12	7-13	Development Clutch:K	C9	1/2
MC13	7-11	Development Clutch:M	C9	1/2
MC14	7-9	Development Clutch:C	C9	1/2
MC15	7-7	Development Clutch:Y	C9	1/2
Solenoids				
SOL1	10-11	Junction Gate 1 Solenoid	C1	1/2
SOL2	1-7	By-pass Pick-up	F3	1/2
SOL3	2-14	Tray Lock	F6	1/2
SOL4	2-3	Tray1 Pick-up	F7	1/2
SOL5	2-3	Tray2 Pick-up	F7	1/2
SOL6	3-2	ID Sensor Shutter	C3	1/2
Switches				
SW1	1-3	Right Door Open	C1	1/2
SW2	1-10	By-pass Paper detection	F3	1/2
SW3	4-7	Waste Toner Bottle Set	F6	1/2
SW4	2-15	Tray1 Set	F6	1/2
SW5	2-12	Tray2 Paper Size	F6	1/2
SW6	8-7	Main	B5	1/2
SW7	3-8	Interlock	B5	1/2
Lamps				
L1	5-2	Pressure Roller Fusing Lamp	C5	1/2

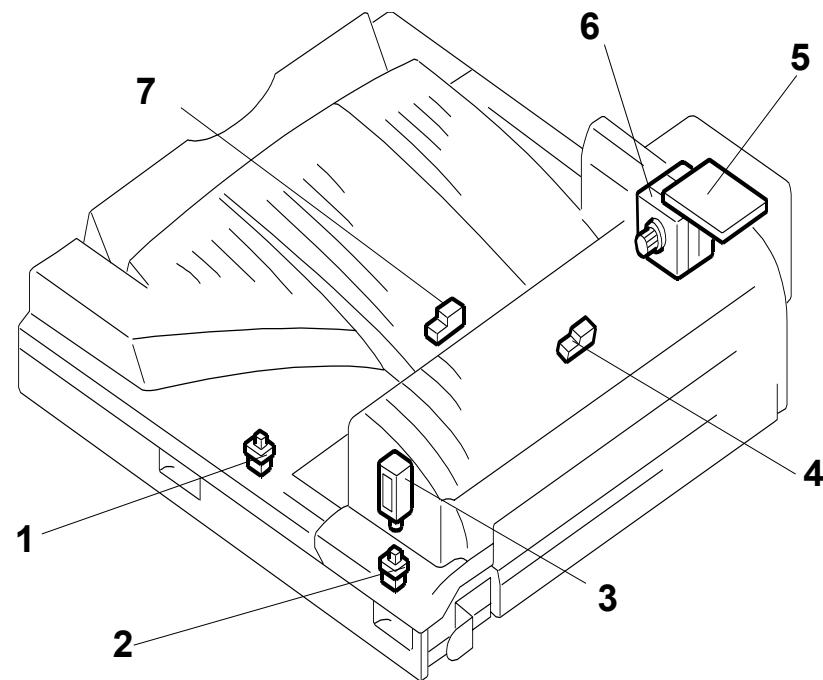
Symbol	Index No.	Description	P to P	Page
Sensors				
S1	3-3	ID Sensors	B1	1/2
S2	10-5	Junction Paper Jam	C1	1/2
S3	10-2	Paper Exit	C1	1/2
S4	10-1	Fusing Exit	C1	1/2
S5	10-3	Paper Overflow	C1	1/2
S6	1-1	Duplex Entrance	F2	1/2
S7	1-5	Duplex Exit	F2	1/2
S8	10-10	Fusing Entrance	F3	1/2
S9	1-2	Duplex Door	F3	1/2
S10	1-8	By-pass Paper Length Sensor	F3	1/2
S11	1-9	By-pass Paper Size	F3	1/2
S12	3-6	Registration	F6	1/2
S13	4-6	Waste Toner	F6	1/2
S14	2-6	Tray1 Paper Height Sensor1	F6	1/2
S15	2-7	Tray1 Paper Height Sensor2	F6	1/2
S16	2-6	Tray2 Paper Height Sensor1	F6	1/2
S17	2-7	Tray2 Paper Height Sensor2	F6	1/2
S18	2-16	Tray1 Paper Feed	F7	1/2
S19	2-4	Tray1 Vertical Transport	F7	1/2
S20	2-1	Tray1 Paper End	F7	1/2
S21	2-2	Tray1 Paper Lift	F7	1/2
S22	2-16	Tray2 Paper feed	F7	1/2
S23	2-4	Tray2 Vertical Transport	F7	1/2
S24	2-1	Tray2 Paper End	F7	1/2
S25	2-2	Tray2 Paper Lift	F7	1/2
S26	4-11	Toner End Sensor:K	A9	1/2
S27	4-10	Toner End Sensor:Y	B9	1/2
S28	4-8	Toner End Sensor:C	B9	1/2
S29	4-9	Toner End Sensor:M	B9	1/2
S30	7-1	Drum Gear Position Sensor:K	C9	1/2
S31	7-2	Drum Gear Position Sensor:M	C9	1/2
S32	7-3	Drum Gear Position Sensor:C	C9	1/2
S33	7-4	Drum Gear Position Sensor:Y	C9	1/2
S34	6-3	ITB Rotation	C3	1/2
S35	3-7	Temperature/Humidity	E3	1/2
S36	3-1	Thermopile	D4	1/2
S37	9-9	Heating Roller Rotation	E5	1/2
S38	3-4	Pressure Roller HP	E5	1/2
S39	6-2	TD Sensor:K	D7	1/2
S40	6-4	TD Sensor:M	D7	1/2
S41	6-5	TD Sensor:C	E7	1/2
S42	6-6	TD Sensor:Y	E7	1/2
FANs				
FAN1	9-7	Third Duct	E4	1/2
FAN2	3-9	Ventilation Fan - Front	D4	1/2
FAN3	3-10	Ventilation Fan - Rear	D4	1/2
FAN4	9-10	IH Coil	E4	1/2
FAN5	9-4	Fusing	E4	1/2
FAN6	9-3	Second Duct	E4	1/2
FAN7	9-11	Paper Exit	E4	1/2
FAN8	9-6	IH Inverter	C7	1/2
FAN9	8-10	PSU FAN1	C6	1/2
FAN10	8-9	PSU FAN2	C6	1/2
FAN11	8-5	HDD	D2	2/2
Others				
TS1	5-4	Thermostat - Pressure Roller	C5	1/2
TS2	5-4	Thermostat - Pressure Roller	C5	1/2
TS3	9-1	Thermostat - IH	C6	1/2
TH1	5-3	Thermistor - Pressure Roller	C5	1/2
TH2	5-1	Thermistor - Heating Roller	C5	1/2
-	9-8	IH Coil Unit	C6	1/2

D386 POINT TO POINT DIAGRAM



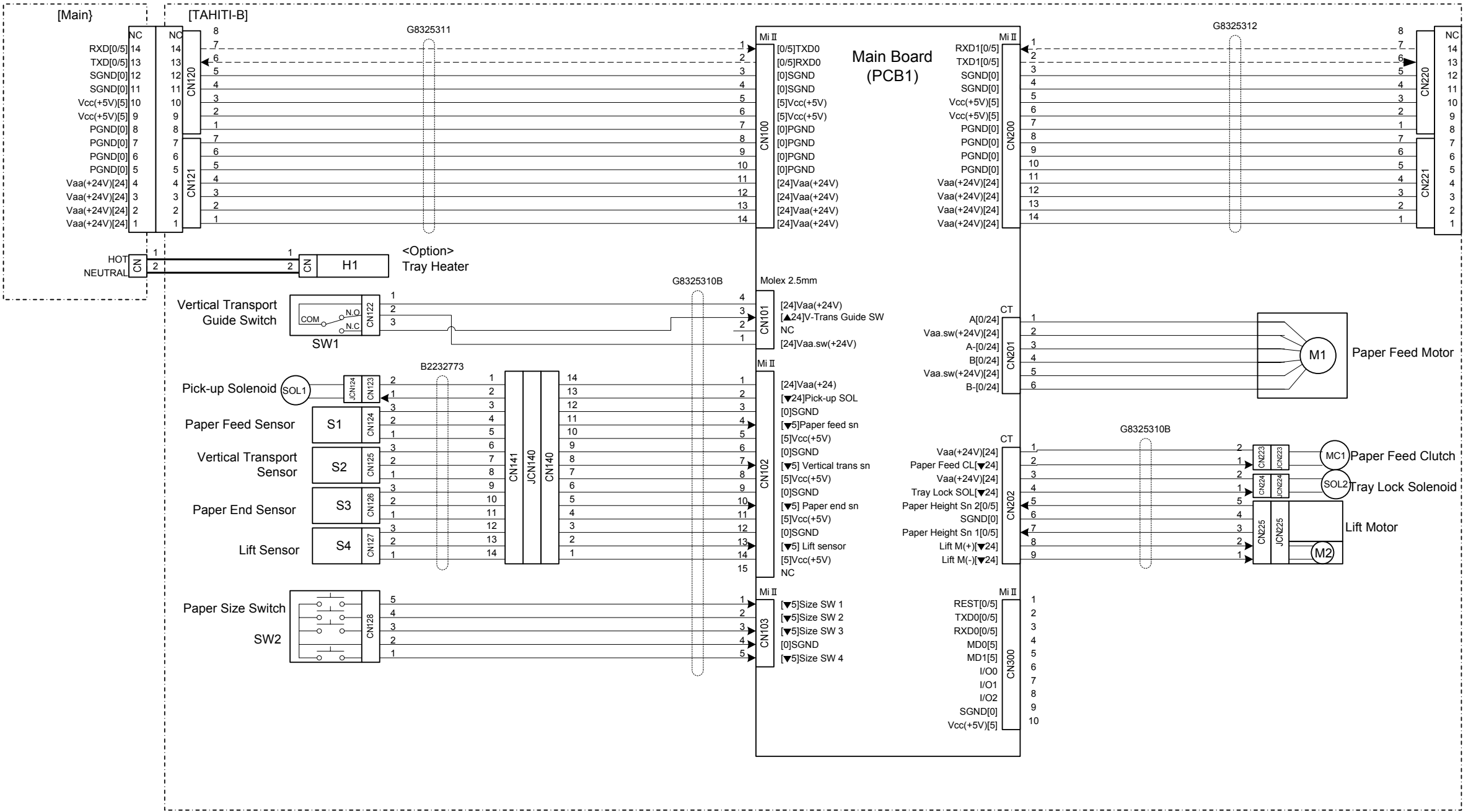
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	DC LINE
	Pulse
	Direction
	▲ High active
	▼ Low active
	[] Voltage

D386 ELECTRICAL COMPONENT LAYOUT



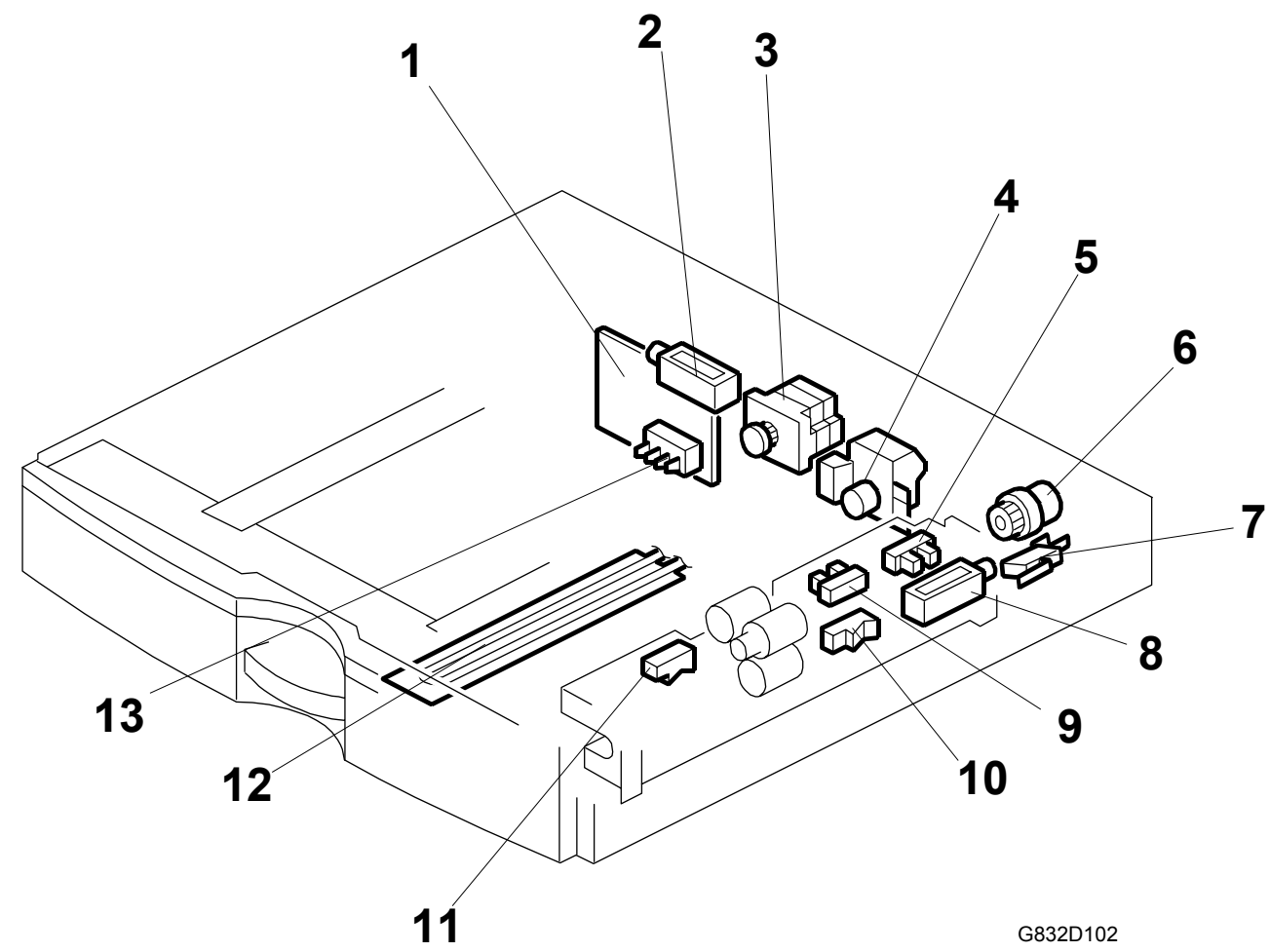
Symbol	Name	Index No.	P-to-P
Motors			
M1	Drive	6	B5
Sensors			
S1	Tray Exit	4	C5
S2	Relay	7	B5
Switches			
SW1	Right Guide	2	B5
SW2	Left Guide	1	B5
PCBs			
PCB1	Bridge Unit Control	5	B3-C4
Magnetic Clutches			
MC1	Junction Gate	3	B5

D387 POINT TO POINT DIAGRAM



SYMBOL TABLE	
— AC LINE	▲ High active
— DC LINE	▼ Low active
..... Pulse	[] Voltage
→ Direction	

D387 ELECTRICAL COMPONENT LAYOUT

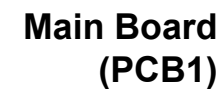


Symbol	Name	Index No.	P-to-P
Motors			
M1	Paper Feed	3	C8
M2	Tray Lift	4	D8
Sensors			
S1	Paper Feed	11	D3
S2	Vertical Transport	10	D3
S3	Paper End	9	D3
S4	Lift	5	D3
Solenoids			
SOL1	Pick-up	8	D2
SOL2	Tray Lock	2	D8
Switches			
SW1	Vertical Transport Guide	7	C3
SW2	Paper Size	13	E2
Magnetic Clutches			
MC1	Paper Feed	6	D8
PCBs			
PCB1	Main Board	1	B6
Others			
H1	Optional Tray Heater	12	C3

B



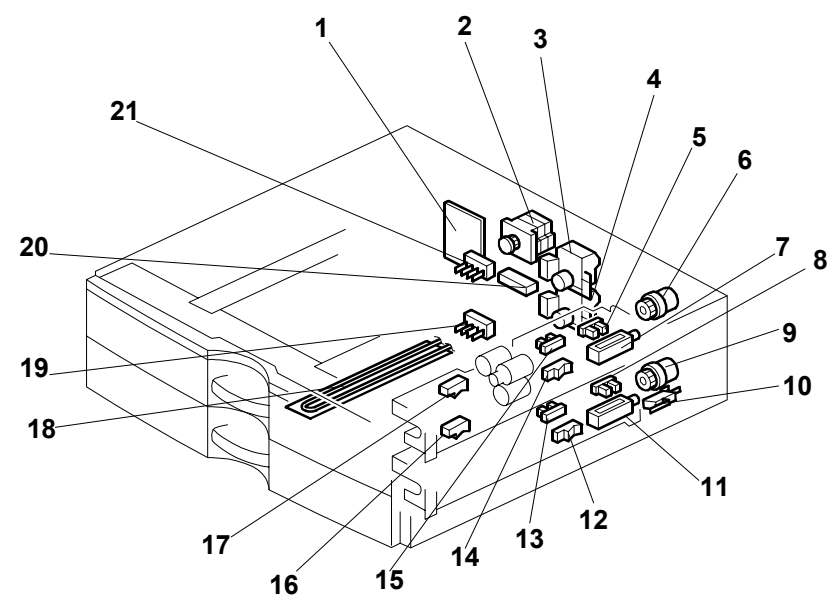
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G

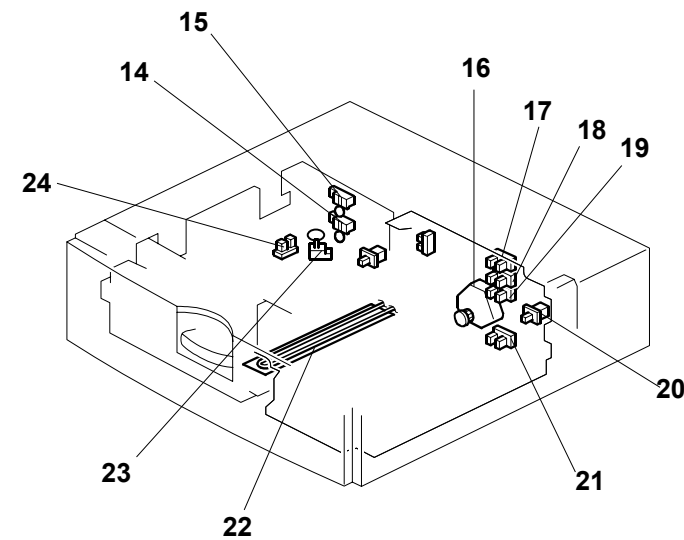
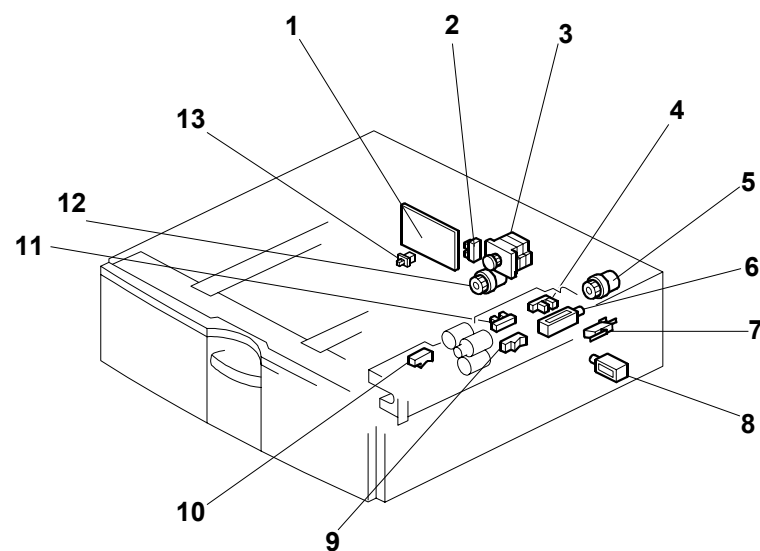


ELECTRICAL COMPONENT LAYOUT (D351)



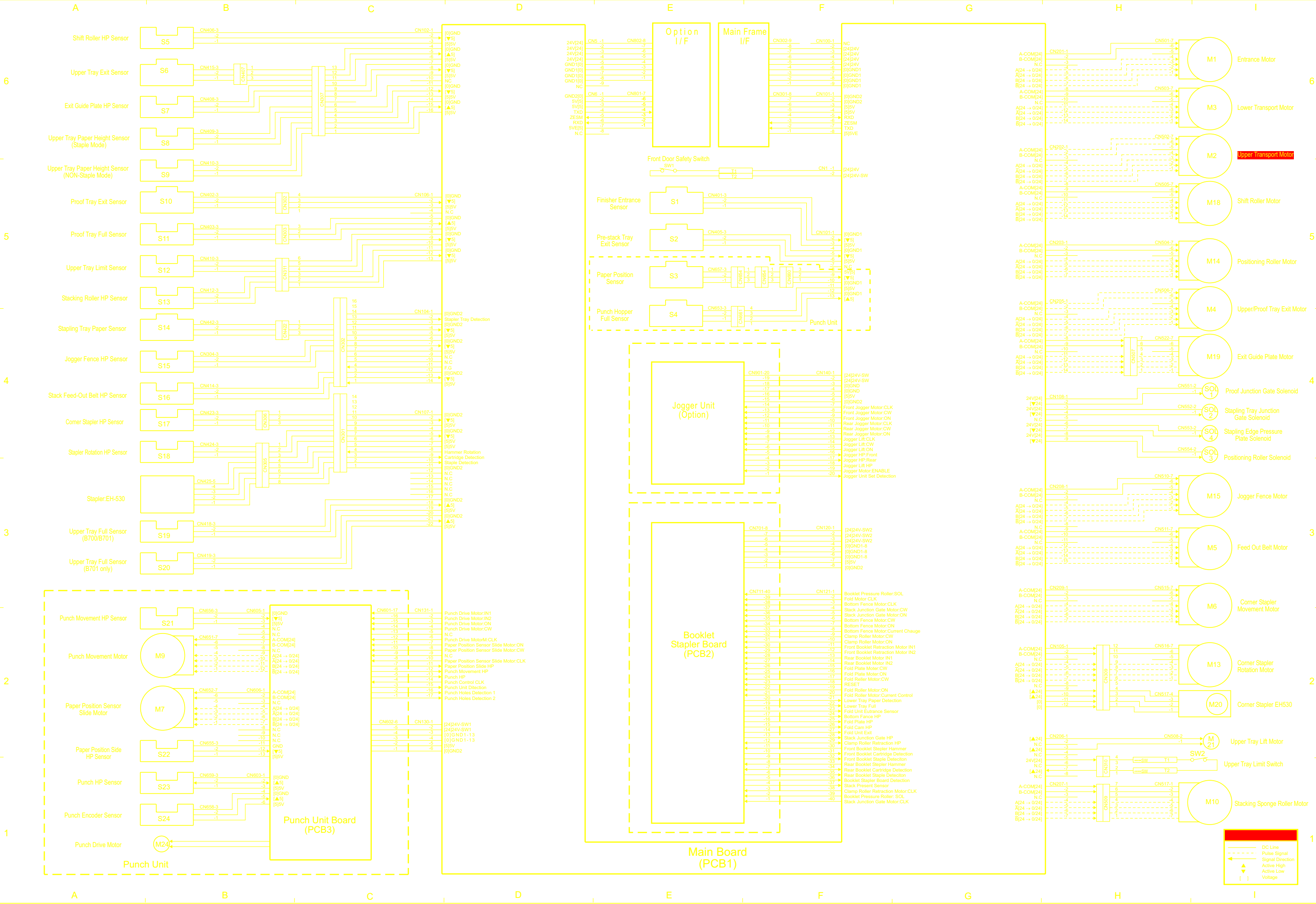
Symbol	Name	Index No.	P-to-P
Motors			
M1	Feed Motor	2	B7
M2	Upper Tray Lift Motor	3	E3
M3	Lower Tray Lift Motor	4	E3
Sensors			
S1	Upper Paper Feed	17	C2
S2	Upper Vertical Transport 1	14	C2
S3	Upper Paper End	15	C2
S4	Upper Lift	5	C2
S5	Lower Paper Feed	16	D2
S6	Lower Vertical Transport 2	12	D2
S7	Lower Paper End	13	D2
S8	Lower Lift	8	D2
Solenoids			
SOL1	Upper Pick-up	7	C2
SOL2	Lower Pick-up	11	D2
SOL3	Tray Lock	20	E3
Switches			
SW1	Upper Paper Size	21	C7
SW2	Lower Paper Size	19	C7
SW3	Vertical Transport Guide	10	B2
Magnetic Clutches			
MC1	Upper Paper Feed	6	E3
MC2	Lower Paper Feed	9	E3
PCBs			
PCB1	Main Board	1	A5-F5
Others			
H1	Optional Tray Heater	18	B2-3

ELECTRICAL COMPONENT LAYOUT (D352)

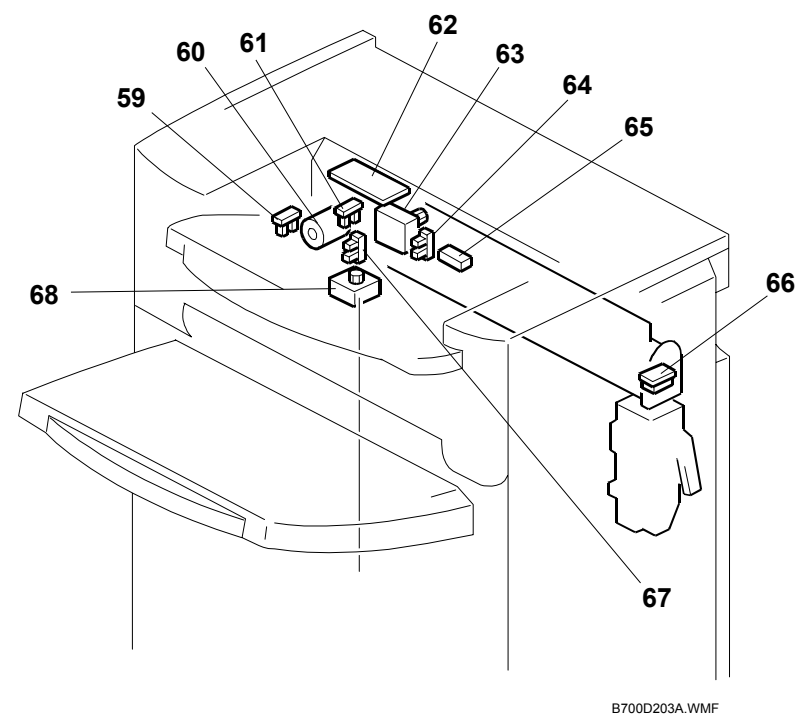
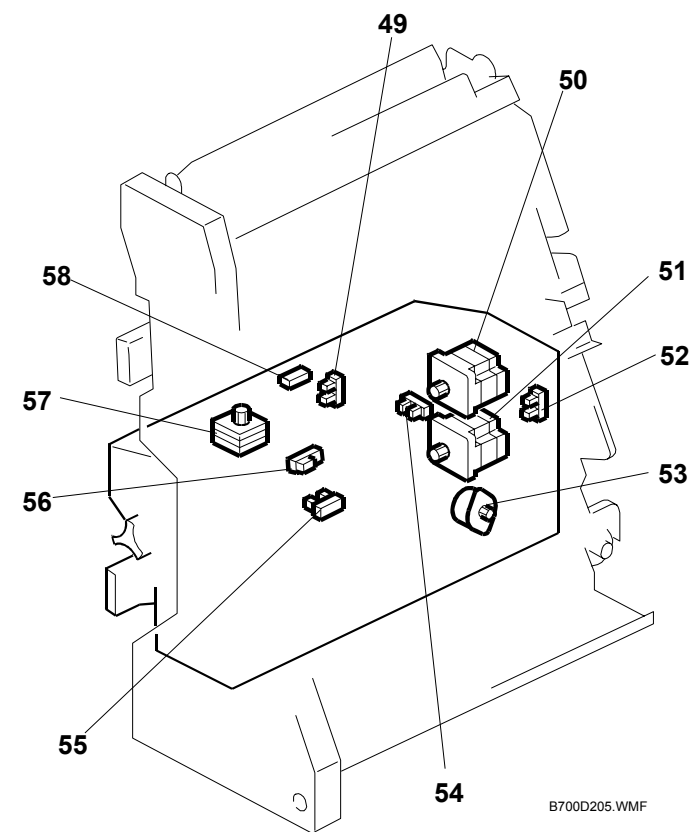
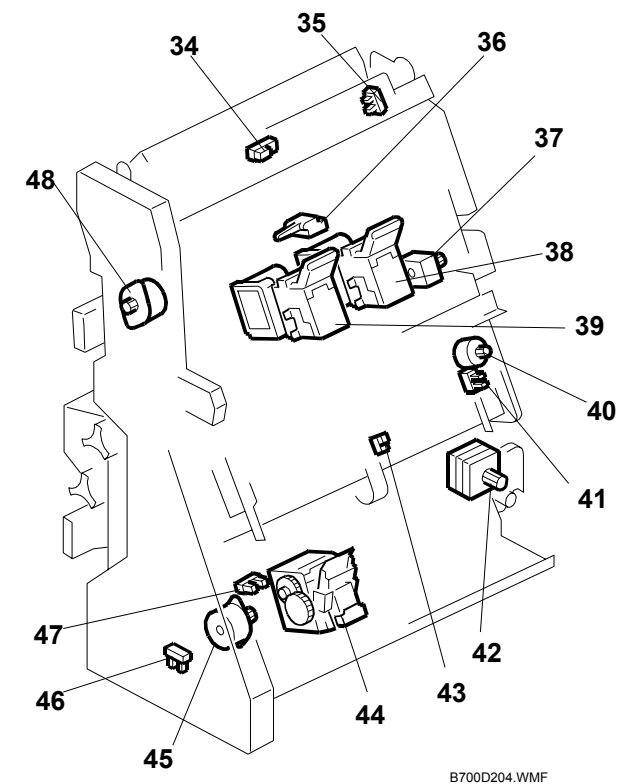
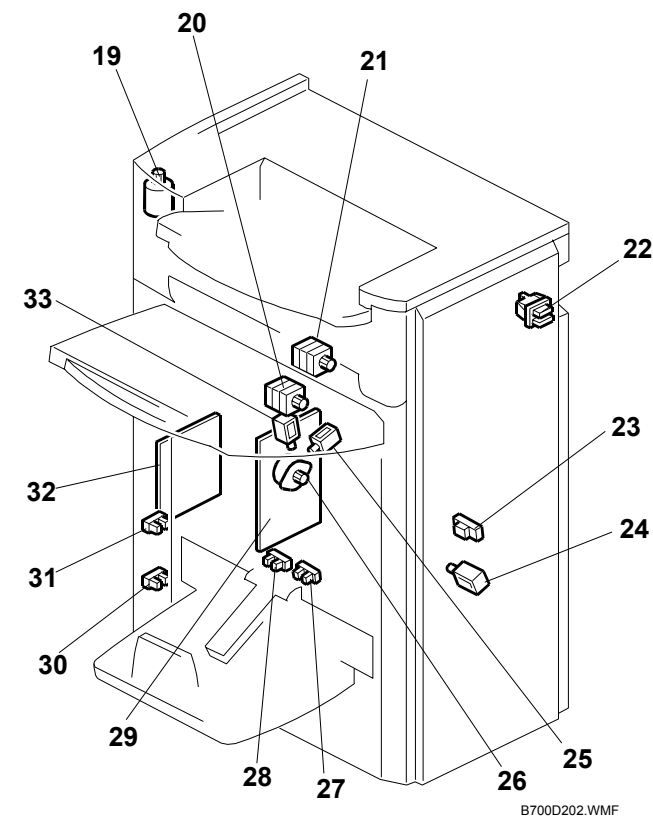
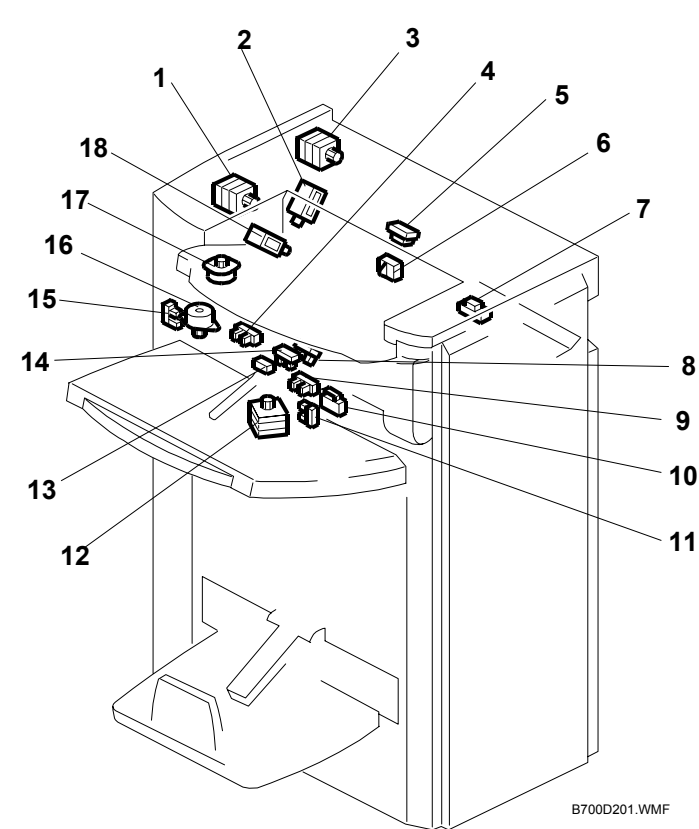


Symbol	Name	Index No.	P-to-P
Motors			
M1	Tray Motor	3	B7
M2	Tray Lift Motor	16	E3
Sensors			
S1	Paper Feed	10	C2
S2	Relay	9	C2
S3	Paper End	11	C2
S4	Lift	4	C2
S5	Paper Height 1	17	D2
S6	Paper Height 2	18	D2
S7	Paper Height 3	19	D2
S8	Lower Limit	21	D2
S9	Right Tray End Fence	2	E2
S10	End Fence HP	24	C7
S11	Left Tray Paper	23	C7
S12	Paper Height 4	15	C7
S13	Paper Height 5	14	D7
Solenoids			
SOL1	Pick-up	6	C2
SOL2	Tray Lock	8	E3
Switches			
SW1	Vertical Guide	7	B2
SW2	Right Tray Set	20	E2
SW3	Left Tray set	13	E2
Magnetic Clutches			
MC1	Paper Feed	5	E3
MC2	Stack Transport	12	E3
PCBs			
PCB1	Main Board	1	A5-F5
Others			
H1	Optional Tray Heater	22	B2-3

2000/3000 SHEET FINISHER(B804/B805)POINT TO POINT DIAGRAM(1/2)



2000/3000 SHEET FINISHER (B804/B805) ELECTRICAL COMPONENT LAYOUT (1/2)

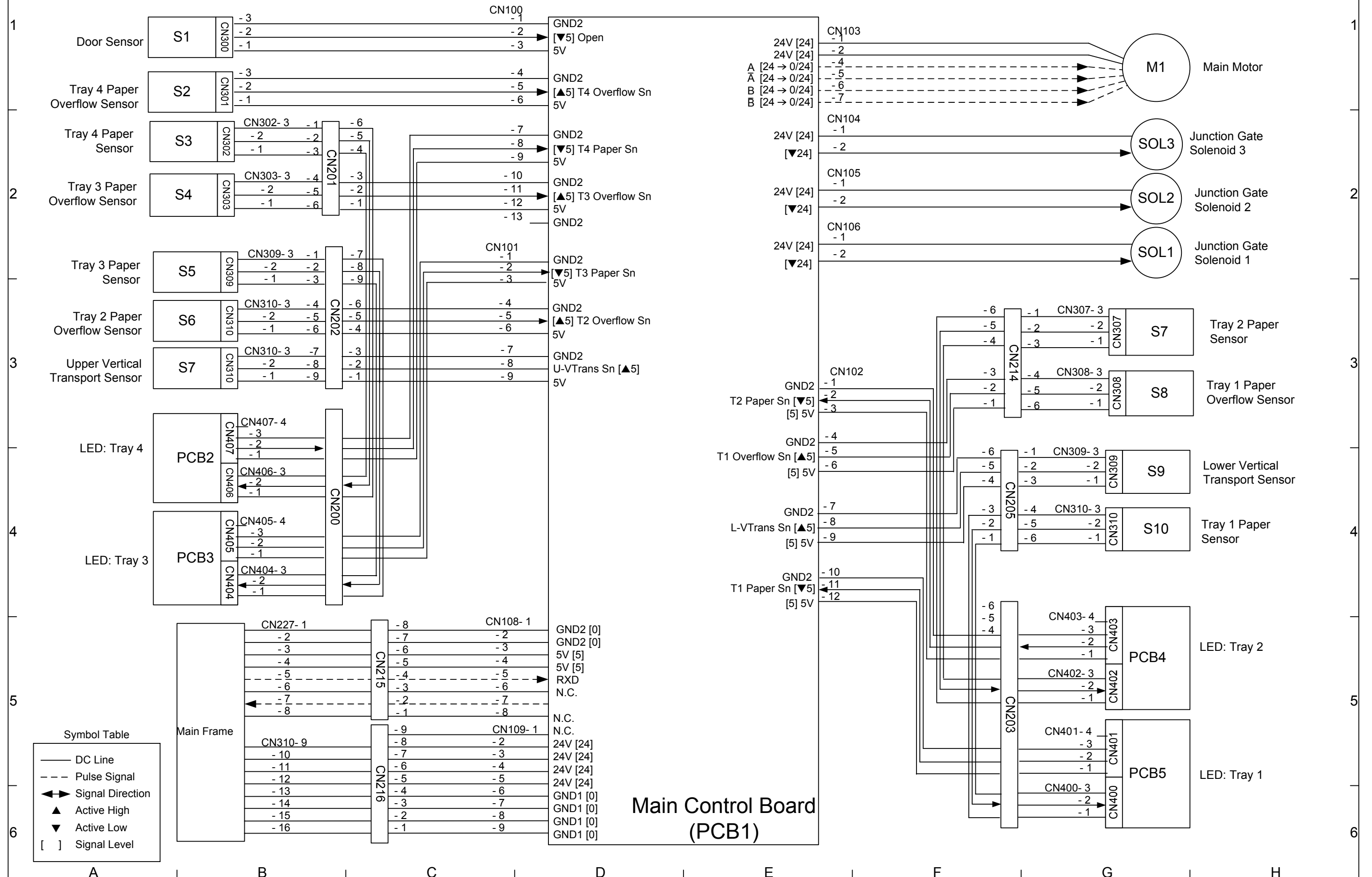


2000/3000 SHEET FINISHER (B804/B805) ELECTRICAL COMPONENT LAYOUT (2/2)

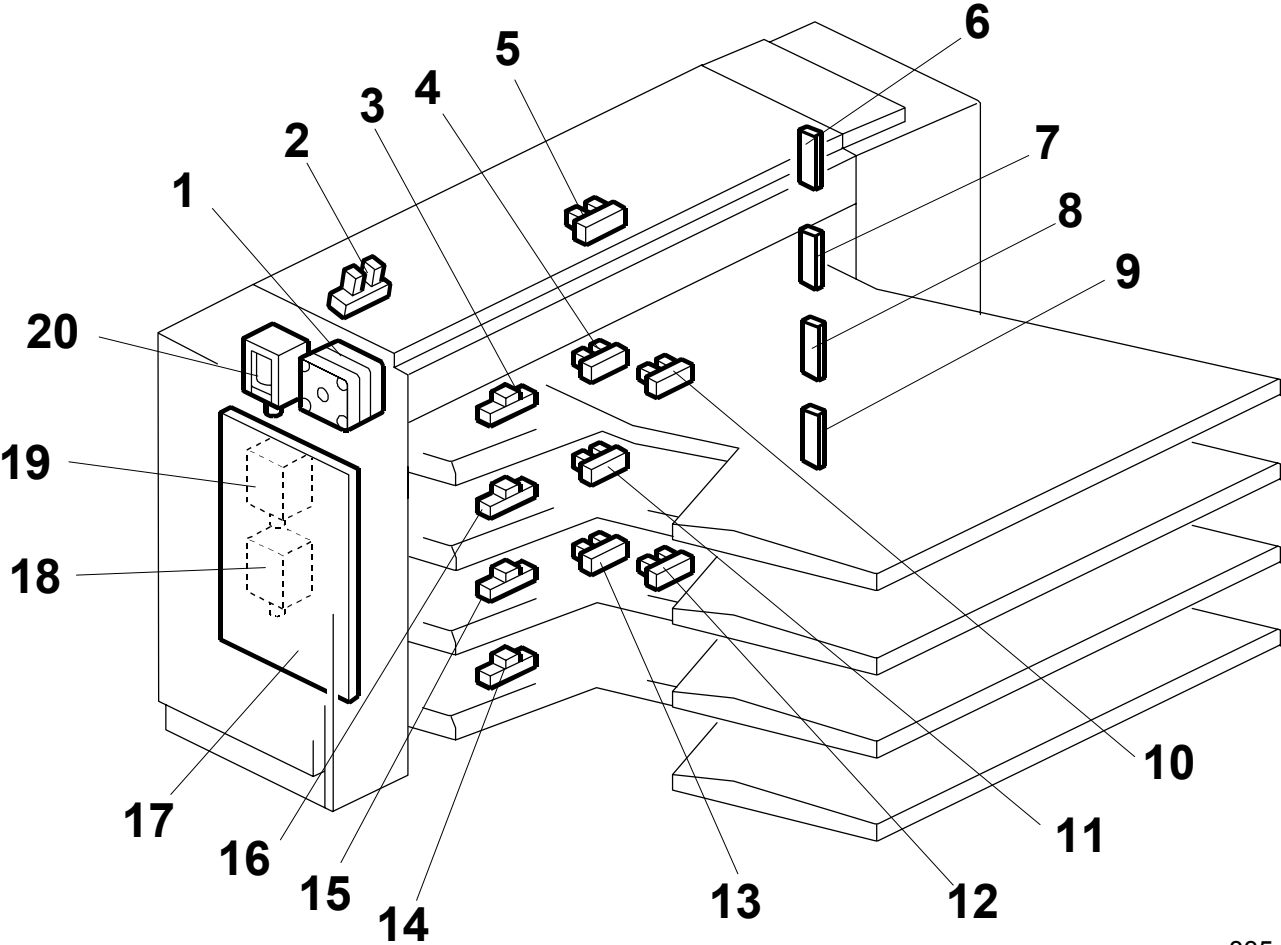
Symble	Name	Index No.	P to P	Page
Boards (PCB)				
PCB1	Main Board	29	E1	1/2
PCB2	Booklet Stapler Board	32	E4	2/2
PCB3	Punch Unit Board	62	C1	1/2
Motors				
M1	Entrance Motor	21	I6	1/2
M2	Upper Transport Motor	3	I5	1/2
M3	Lower Transport Motor	20	I6	1/2
M4	Upper/Proof Tray Exit Motor	1	I4	1/2
M5	Feed Out Belt Motor	37	I3	1/2
M6	Corner Stapler Movement Motor	42	I2	1/2
M7	Paper Position Sensor Slide	63	B2	1/2
M8	Clamp Roller Retraction Motor	57	H3	2/2
M9	Punch Movement Motor	68	B2	1/2
M10	Stacking Sponge Roller Motor	12	I1	1/2
M11	Fold Plate Motor	51	H2	2/2
M12	Fold Roller Motor	50	H1	2/2
M13	Corner Stapler Rotation Motor	45	I2	1/2
M14	Positioning Roller Motor	26	I5	1/2
M15	Jogger Fence Motor	40	I3	1/2
M16	Fold Unit Bottom Fence Lift	53	H2	2/2
M17	Stack Junction Gate Motor	48	H3	2/2
M18	Shift Roller Motor	16	I5	1/2
M19	Exit Guide Plate Motor	17	I4	1/2
M20	Corner Stapler EH530	44	I2	1/2
M21	Upper Tray Lift Motor	19	I2	1/2
M22	Booklet Stapler EH185R: Front	39	B3	1/2
M23	Booklet Stapler EH185R: Rear	38	B2	1/2
M24	Punch Drive Motor	60	B1	1/2

Symble	Name	Index No.	P to P	Page
Sensors				
S1	Finisher Entrance Sensor	7	E5	1/2
S2	Pre-stack Tray Exit Sensor	23	E5	1/2
S3	Paper Position Sensor	65	E5	1/2
S4	Punch Hopper Full Sensor	66	E4	1/2
S5	Shift Roller HP Sensor	15	B6	1/2
S6	Upper Tray Exit Sensor	13	B6	1/2
S7	Exit Guide Plate HP Sensor	4	B6	1/2
S8	Upper Tray Paper Height Sensor (Staple Mode)	14	B6	1/2
S9	Upper Tray Paper Height Sensor (Non-Staple Mode)	8	B5	1/2
S10	Proof Tray Exit Sensor	5	B5	1/2
S11	Proof Tray Full Sensor	6	B5	1/2
S12	Upper Tray Limit Sensor	9	B5	1/2
S13	Stacking Roller HP Sensor	11	B5	1/2
S14	Stapling Tray Paper Sensor	43	B4	1/2
S15	Jogger Fence HP Sensor	41	B4	1/2
S16	Stack Feed-Out Belt HP Sensor	36	B4	1/2
S17	Corner Stapler HP Sensor	46	B4	1/2
S18	Stapler Rotation HP Sensor	47	B4	1/2
S19	Upper Tray Full Sensor	31	B3	1/2
S20	Upper Tray Full Sensor (B805	30	B3	1/2
S21	Punch Movement HP Sensor	67	B2	1/2
S22	Paper Position Side HP Sensor	64	B2	1/2
S23	Punch HP Sensor	61	B1	1/2
S24	Punch Encoder Sensor	59	B1	1/2
S25	Clamp Roller HP Sensor	49	B6	2/2
S26	Fold Unit Entrance Sensor	56	B6	2/2
S27	Stack Junction Gate HP Sensor	35	B5	2/2
S28	Fold Bottom Fence HP Sensor	55	B5	2/2
S29	Fold Plate HP Sensor	52	B5	2/2
S30	Fold Cam HP Sensor	54	B5	2/2
S31	Fold Unit Exit Sensor	58	B4	2/2
S32	Stack Present Sensor	34	B4	2/2
S33	Lower Tray Full Sensor - Rear	28	B1	2/2
S34	Lower Tray Full Sensor - Front	27	B1	2/2
Soleno				
SOL1	Proof Junction Gate Solenoid	18	I4	1/2
SOL2	Stapling Tray Junction Gate	2	I4	1/2
SOL3	Positioning Roller Solenoid	25	I4	1/2
SOL4	Stapling Edge Pressure Plate Solenoid	24	I4	1/2
SOL5	Booklet Pressure Roller	33	H5	2/2
Switch				
SW1	Front Door Safety Switch	22	E5	1/2
SW2	Upper Tray Limit SW	10	I1	1/2

G835 POINT TO POINT DIAGRAM



G835 ELECTRICAL COMPONENT LAYOUT



g835v103

Symbols	Description	Index No.	P-to-P
Motors			
M1	Main	1	G1
Sensors			
S1	Door Sensor	2	B1
S2	Tray 4 Paper Overflow	5	B1
S3	Tray 4 Paper	3	B2
S4	Tray 3 Paper Overflow	4	B2
S5	Tray 3 Paper	16	B2
S6	Tray 2 Paper Overflow	11	B3
S7	Upper Vertical	10	B3
S8	Tray 2 Paper	15	G3
S9	Tray 1 Paper Overflow	13	G3
S10	Lower Vertical	12	G4
S11	Tray 1 Paper	14	G4
Solenoids			
SOL1	Junction Gate Solenoid	18	G2
SOL2	Junction Gate Solenoid	19	G2
SOL3	Junction Gate Solenoid	20	G2
PCBs			
PCB1	Main Control	17	E6
PCB2	LED: Tray 4	6	B4
PCB3	LED: Tray 3	7	B4
PCB4	LED: Tray 2	8	G5
PCB5	LED: Tray 1	9	G5