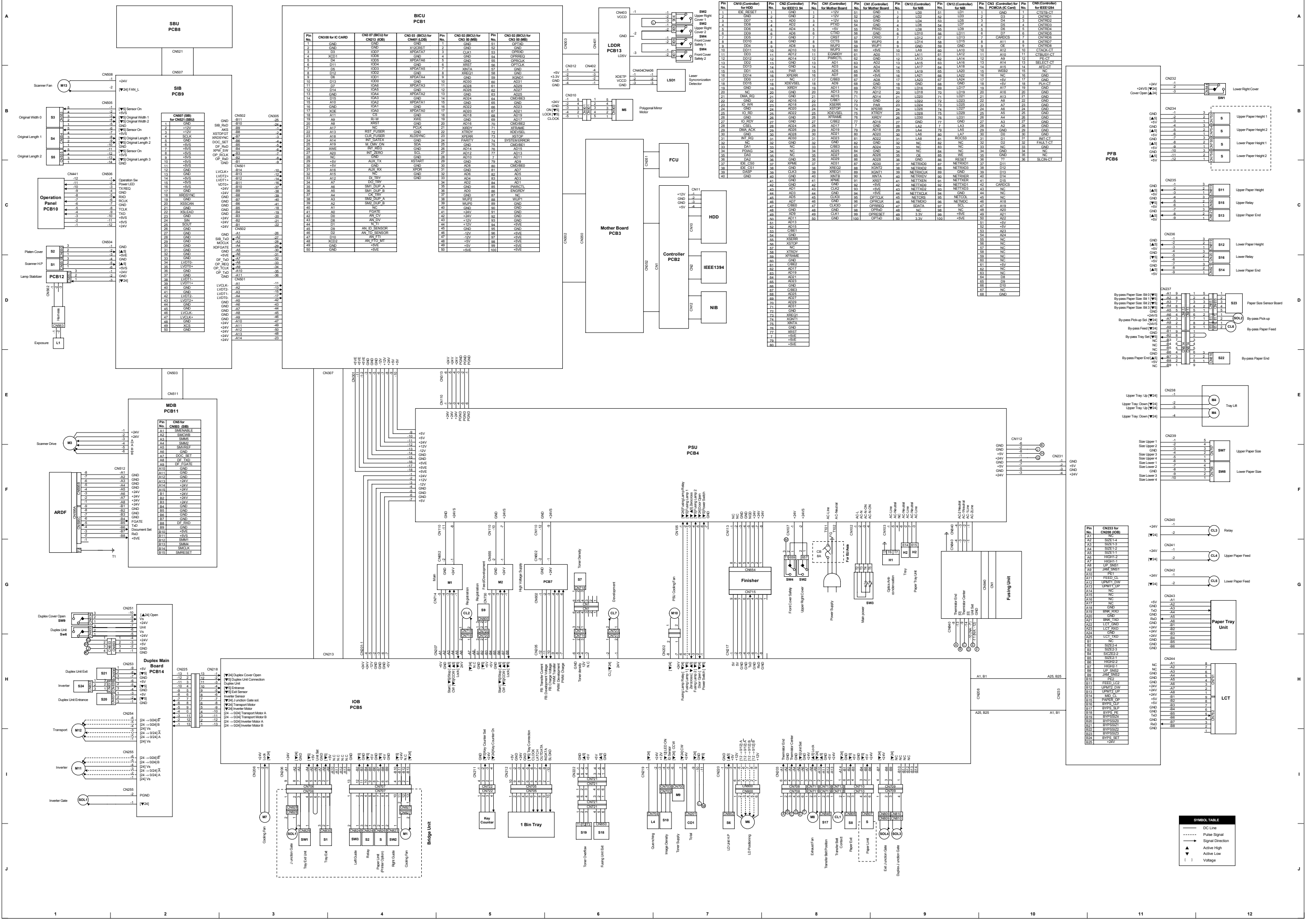
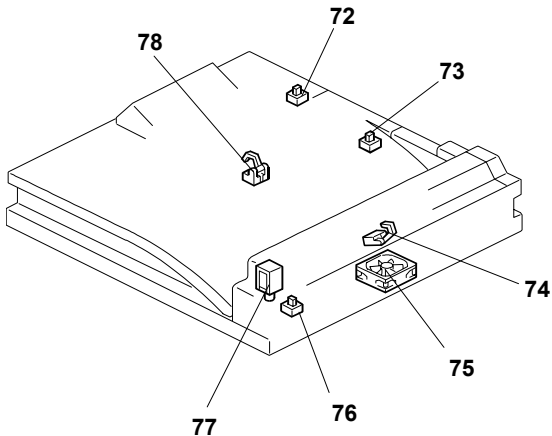
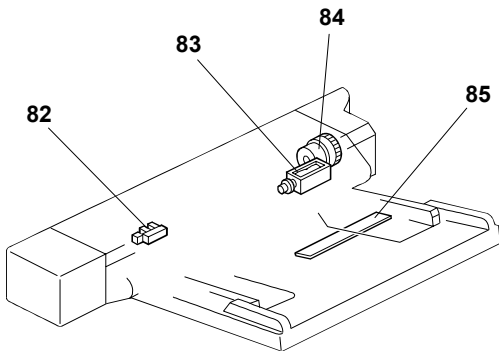
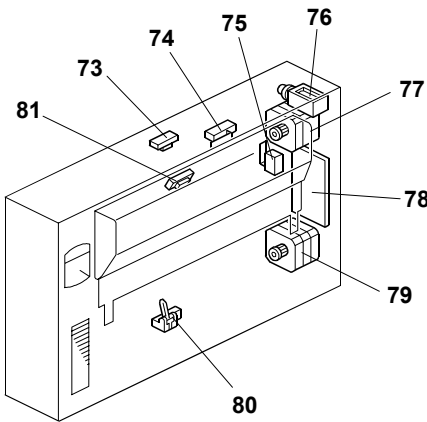
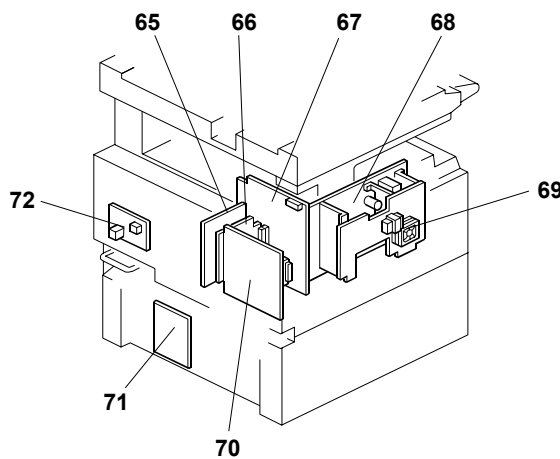
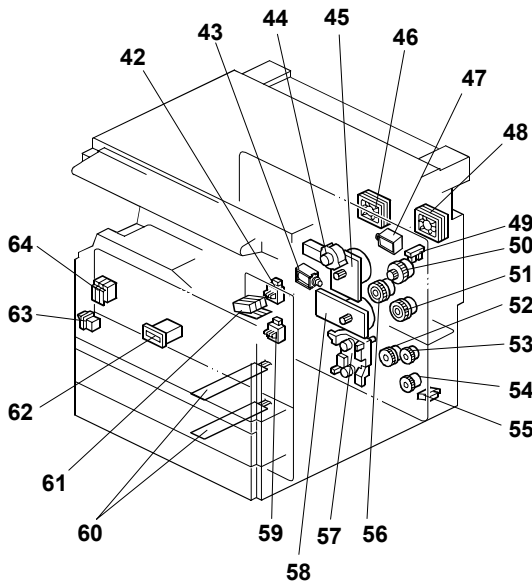
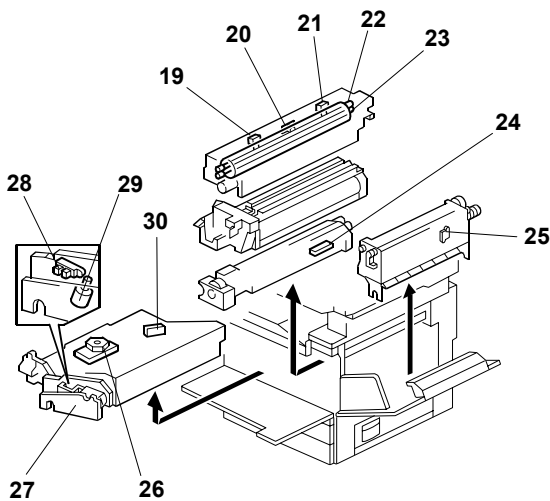
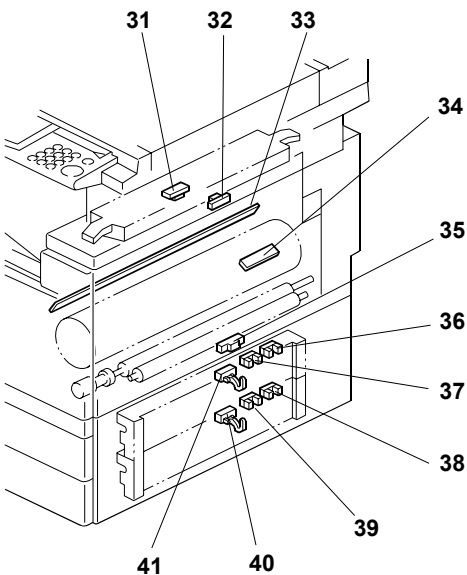
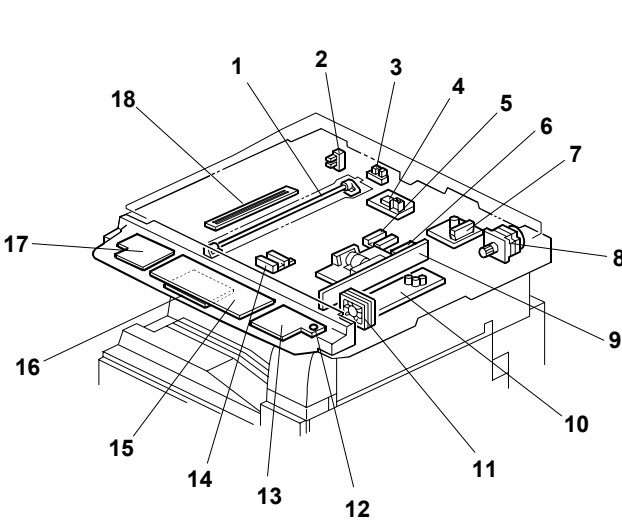


COPIER (B003/B004) Point to Point Diagram



COPIER (B003/B004)/BRIDGE UNIT (B397)
ELECTRICAL COMPONENT LAYOUT



COPIER (B003/B004)

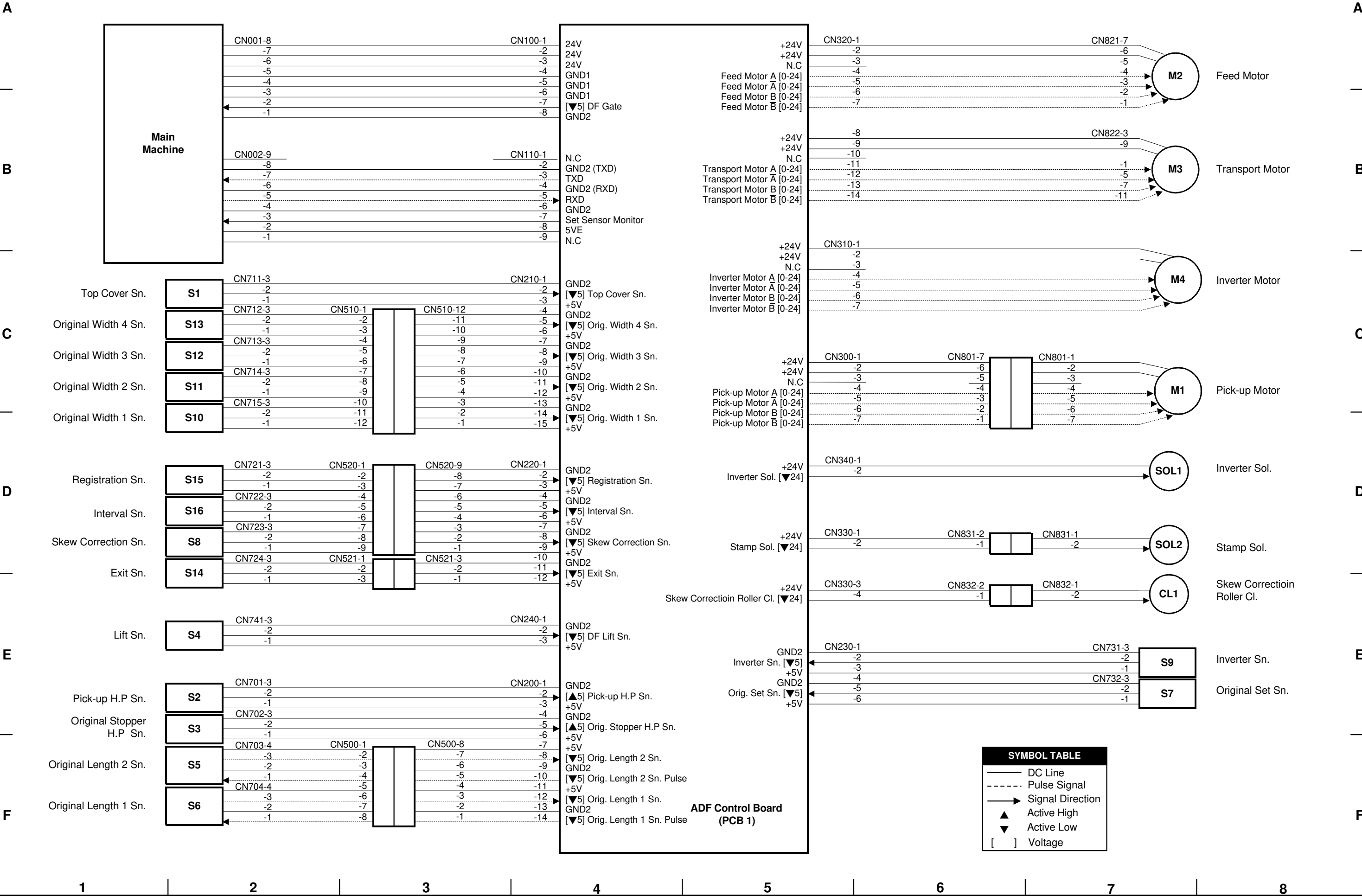
Symbol	Index No.	Description	P to P
Printed Circuit Board			
PCB1	67	BICU (Base Engine & Image Control Unit)	A4
PCB2	70	Controller	D7
PCB3	66	Mother Board	C6
PCB4	68	PSU (Power Supply Unit)	F8
PCB5	65	IOB (Input/Output Board)	H4
PCB6	71	PFB (Paper Feed Control)	B11
PCB7	72	High Voltage Supply	G5
PCB8	9	SBU (Sensor Board Unit)	A2
PCB9	10	SIB (Scanner Interface Board)	B2
PCB10	16	Operation Panel	C1
PCB11	7	MDB (Motor Drive Board)	E2
PCB12	4	Lamp Stabilizer	D1
PCB13	27	LDDR (Laser Diode Driver)	A6
PCB14	78	Duplex Main	H2
PCB15	15	LCD	(C1)
Motors			
M1	45	Main	G4
M2	58	Paper Feed and Development	G5
M3	8	Scanner Drive	E1
M4	57	Tray lift	E12
M5	26	Polygonal Mirror	B6
M6	29	LD Positioning	I8
M7	46	Cooling Fan	I3
M8	48	Exhaust Fan	I8
M9	44	Toner Supply	I7
M10	69	PSU Cooling Fan	G7
M11	77	Inverter	I1
M12	79	Transport	I1
M13	11	Scanner Fan	B1
Solenoids			
SOL1	76	Inverter Gate	I1
SOL2	83	Pick-up	D12
SOL3	43	Duplex Junction Gate	J9
SOL4	47	Exit Junction Gate	J9
Lamps			
L1	1	Exposure	D1
L2	22	Fusing (end)	(G9)
L3	23	Fusing (center)	(G9)
L4	33	Quenching	I7
Heaters			
H1	18	Optics Anti-condensation (option)	G9
H2	61	Tray (option)	G9
Thermistors			
TH1	19	Fusing (center)	(G9)
TH2	21	Fusing (end)	(G9)
Thermostat			
TS1	20	Fusing	(G9)
Counter			
CO1	62	Total	I7
Others			
LSD1	30	Laser Synchronization Detector	B7
-	-	HDD	

Symbol	Index No.	Description	P to P
Sensors			
S1	2	Scanner Home Position	D1
S2	3	Platen Cover	C1
S3	14	Original Width	B1
S4	5	Original Length 1	B1
S5	6	Original Length 2	B1
S6	28	LD Unit Home Position	I8
S7	24	Toner Density (TD)	G6
S8	31	Paper Exit	I9
S9	35	Registration	G5
S10	34	Image Density (ID)	I7
S11	36	Upper Paper Height	C12
S12	38	Lower Paper Height	C12
S13	37	Upper Paper End	C12
S14	39	Lower Paper End	D12
S15	41	Upper Relay	C12
S16	40	Lower Relay	D12
S17	49	Transfer Belt Position	I9
S18	32	Fusing Unit Exit	J6
S19	25	Toner Overflow	J6
S20	73	Duplex Unit Entrance	H1
S21	80	Duplex Unit Exit	H1
S22	82	Paper End	E12
S23	85	Paper Size	D12
S24	81	Inverter	H1
Switches			
SW1	55	Lower Right Cover	B12
SW2	61	Upper Right Cover	A7
SW3	63	Main Power	G8
SW4	64	Front Cover Safety	A7
SW5	12	Operation Switch	(C1)
SW6	75	Duplex Unit	G1
SW7	42	Upper Paper Size	F12
SW8	59	Lower Paper Size	F12
SW9	74	Duplex Cover Open	G1
Magnetic Clutches			
CL1	49	Transfer Belt Contact	I9
CL2	51	Registration	G5
CL3	52	Relay	F12
CL4	53	Upper Paper Feed	G12
CL5	54	Lower Paper Feed	G12
CL6	84	Paper Feed	D12
CL7	56	Development	G16

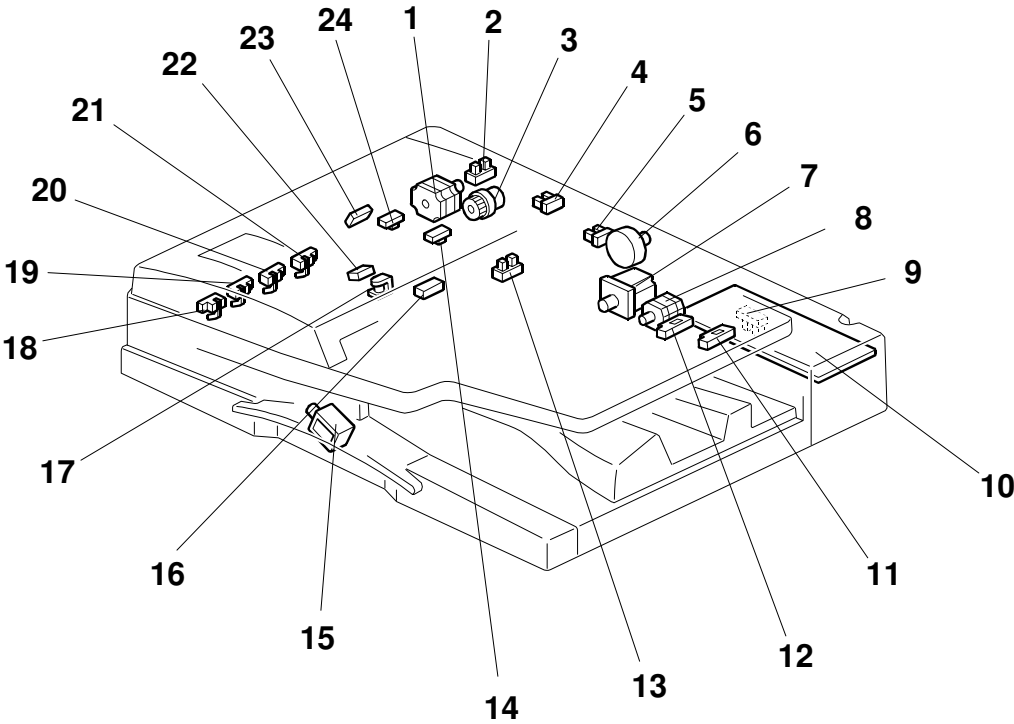
BRIDGE UNIT (B397)

Symbol	Index No.	Description	P to P
Motors			
M1	75	Cooling Fan	J4
Sensors			
S1	74	Tray Exit	J3
S2	78	Relay	J4
Switches			
SW1	76	Tray Exit Unit	J3
SW2	73	Right Guide	J4
SW3	72	Left Guide	J4
Solenoid			
SOL1	77	Junction Gate	J3

ARDF (B351) Point to Point Diagram

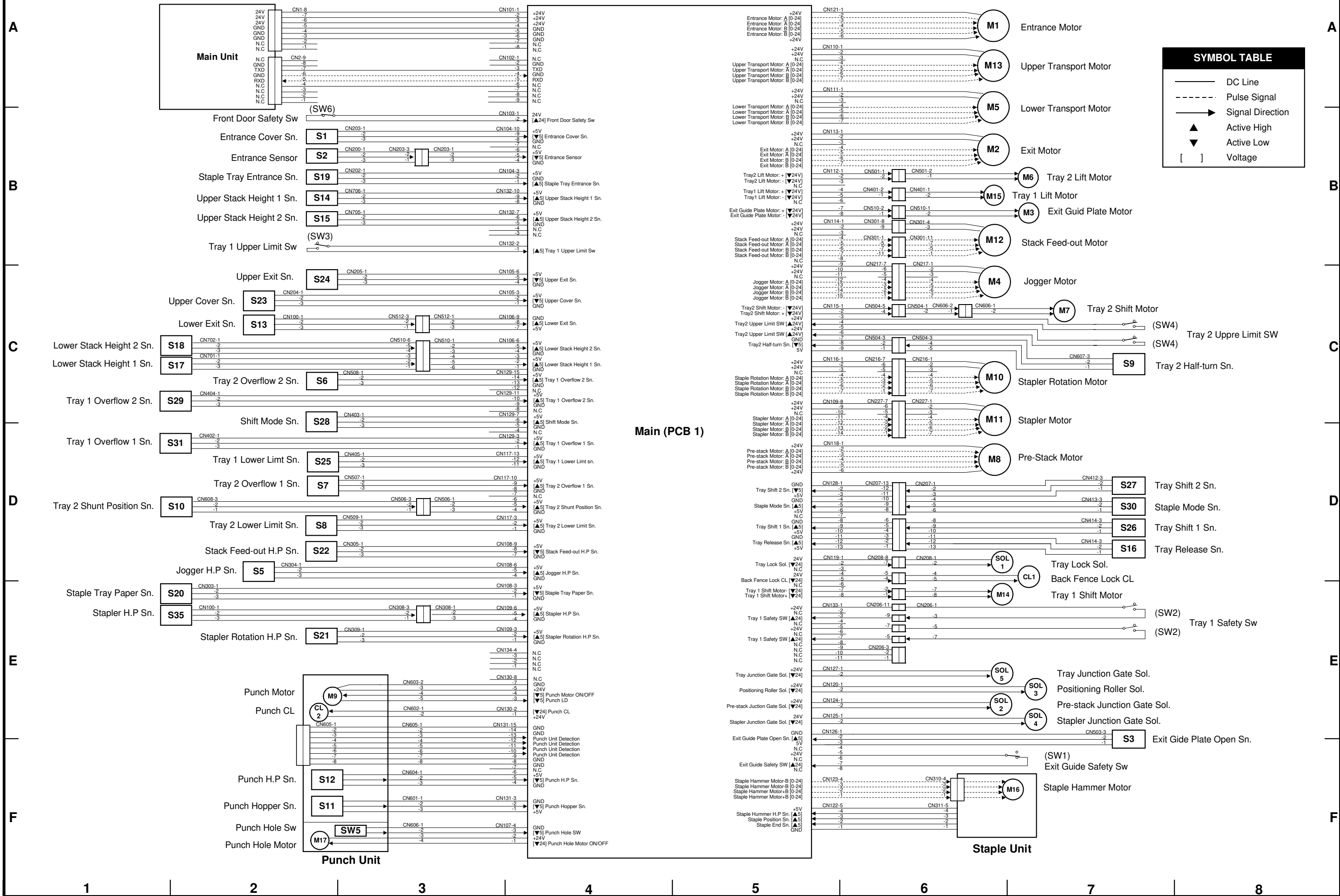


ARDF (B351) ELECTRICAL COMPONENT LAYOUT

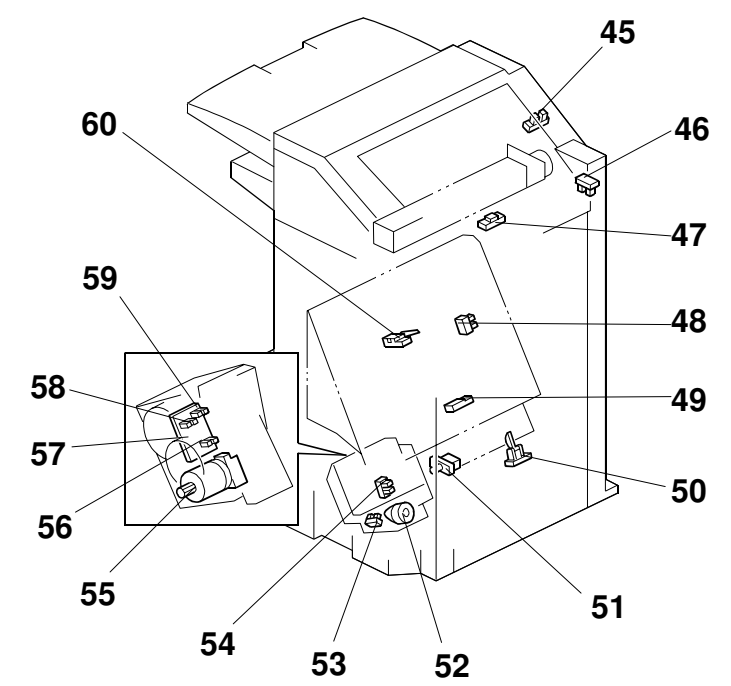
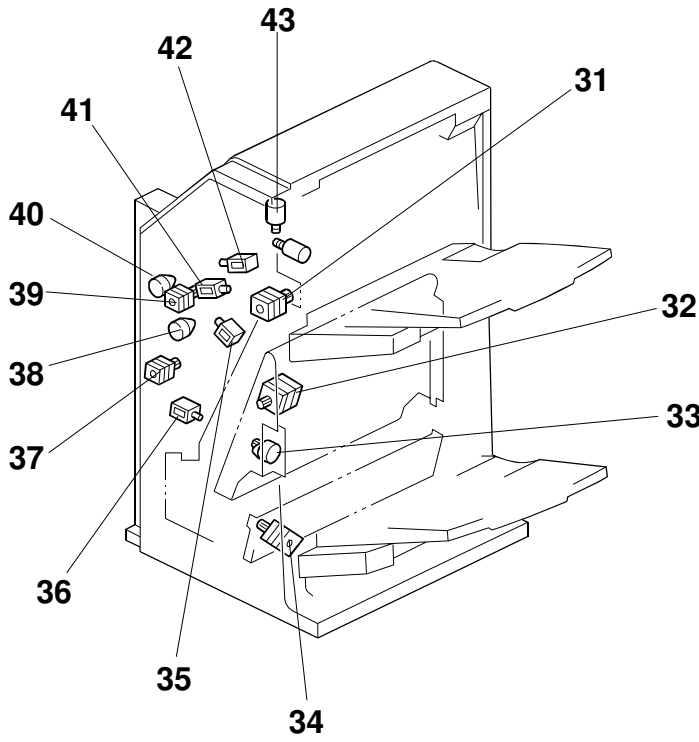
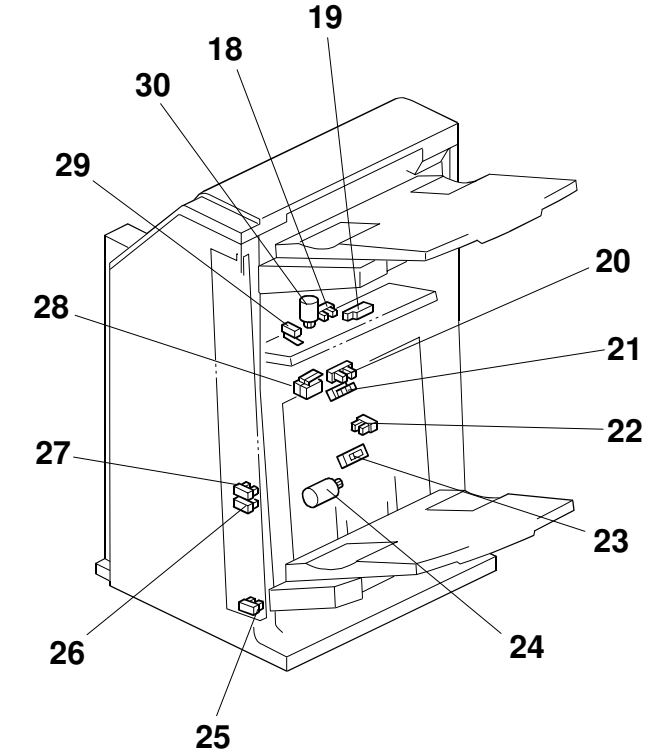
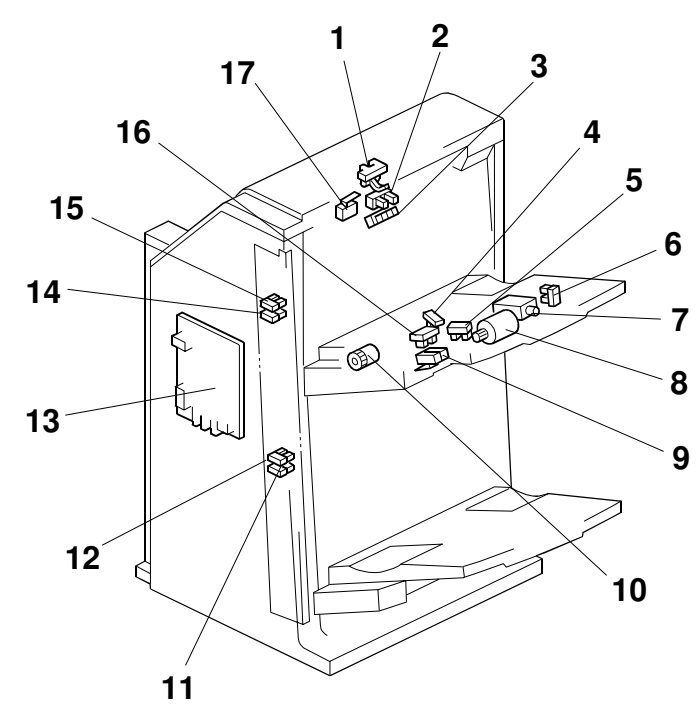


Symbol	Name	Index No.	P to P
Motors			
M1	Pick-up	6	C7
M2	Feed	1	A7
M3	Transport	7	B7
M4	Inverter	8	C7
Sensors			
S1	Top cover	2	C2
S2	Pick-up HP	4	E2
S3	Original stopper HP	5	E2
S4	Lift	9	E2
S5	Original length 2	11	E2
S6	Original length 1	12	E2
S7	Original set	13	E7
S8	Skew correction	14	D7
S9	Inverter	16	E7
S10	Original Width 1	21	D2
S11	Original Width 2	20	C2
S12	Original Width 3	19	C2
S13	Original Width 4	18	C2
S14	Exit	22	E2
S15	Registration	23	D2
S16	Interval	24	D2
Solenoid			
SOL1	Inverter	15	D7
SOL2	Stamp	17	D7
Electrical Clutch			
CL1	Skew correction roller	3	E7
PCB			
PCB1	ARDF control board	10	F5

2 TRAY FINISHER (B352) Point to Point Diagram

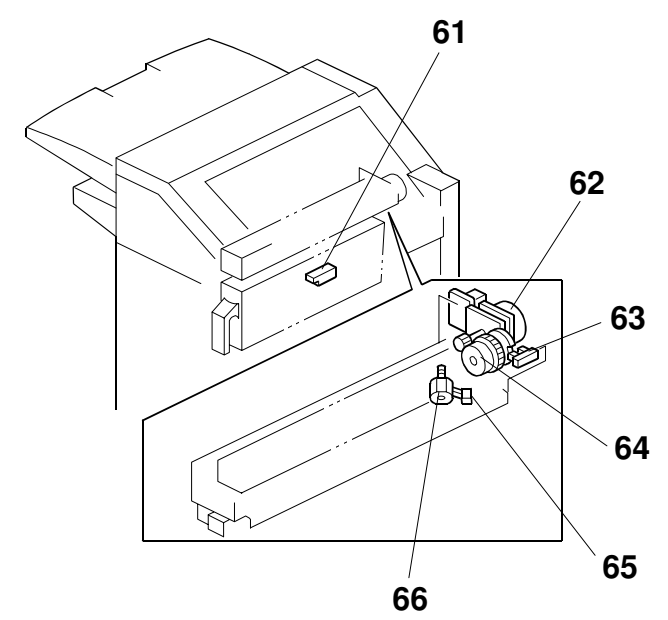


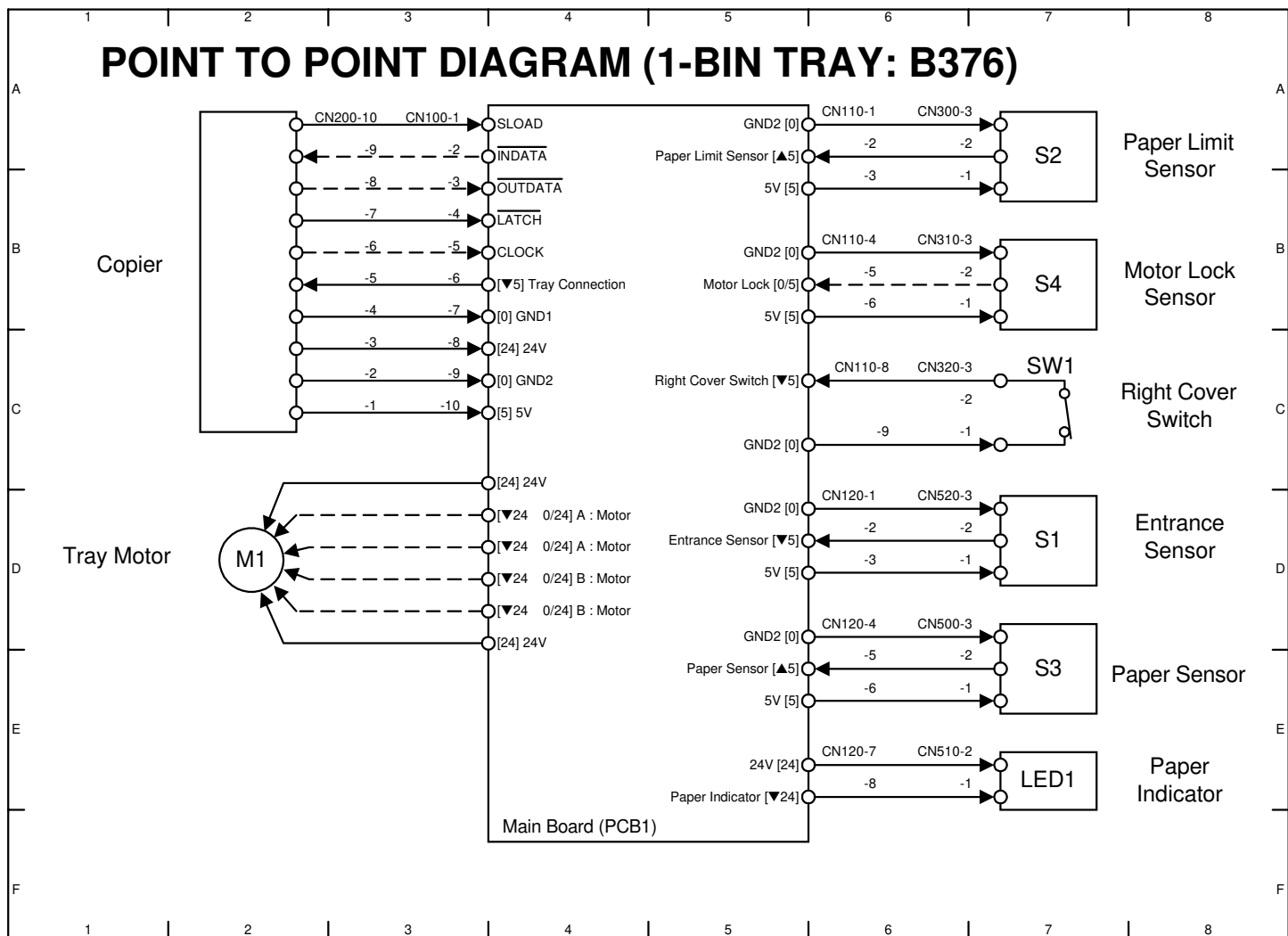
2 TRAY FINISHER (B352) ELECTRICAL COMPONENT LAYOUT



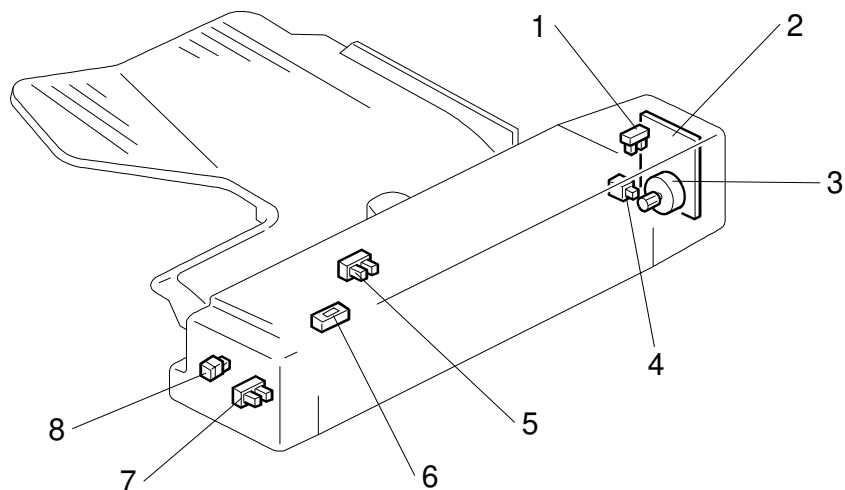
Symbol	Name	Index No.	P to P.
Sensors			
S1	Entrance cover	46	B2
S2	Entrance	47	B2
S3	Exit guide plate open	18	F7
S4	Staple position	59	F5
S5	Jogger HP	48	D2
S6	Tray 2 overflow-2	26	C2
S7	Tray 2 overflow-1	27	D2
S8	Tray 2 lower limit	25	D2
S9	Tray 2 half-turn	22	C7
S10	Tray 2 shunt position	23	D2
S11	Punch hopper	61	F2
S12	Punch HP	63	F2
S13	Lower exit	19	C2
S14	Upper stack height 1	2	B2
S15	Upper stack height 2	3	B2
S16	Tray release	16	D7
S17	Lower stack height 1	20	C2
S18	Lower stack height 2	21	C2
S19	Staple tray entrance	50	B2
S20	Staple tray paper	49	E2
S21	Stapler rotation HP	53	E2
S22	Stack feed-out HP	60	D2
S23	Upper cover	45	C2
S24	Upper exit	1	C2
S25	Tray 1 lower limit	11	D2
S26	Tray shift 1	4	D7
S27	Tray shift 2	5	D7
S28	Shift mode	14	D2
S29	Tray 1 overflow-2	12	C2
S30	Staple mode	6	D7
S31	Tray 1 overflow-1	15	D2
S32	Staple hammer HP	58	F5
S34	Staple end	56	F5
S35	Stapler HP	54	E2

Symbol	Name	Index No.	P to P.
Motors			
M1	Entrance	40	A6
M2	Exit	31	B6
M3	Exit guide plate	30	B6
M4	Jogger	33	C6
M5	Lower transport	37	B6
M6	Tray 2 lift	44	B7
M7	Tray 2 shift	24	C7
M8	Pre-stack	38	D6
M9	Punch	62	E2
M10	Stapler rotation	52	C6
M11	Stapler	34	D6
M12	Stack feed-out	32	B6
M13	Upper transport	39	A6
M14	Tray 1 shift	8	E6
M15	Tray 1 lift	43	B6
M16	Staple hammer	55	F6
M17	Punch hole	66	F2
Solenoids			
SOL1	Tray lock	7	D6
SOL2	Pre-stack junction gate	35	E6
SOL3	Positioning roller	36	E6
SOL4	Stapler junction gate	41	E6
SOL5	Tray junction gate	42	E6
Switches			
SW1	Exit guide safety	29	F7
SW2	Tray 1 safety	9	E7
SW3	Tray 1 upper limit	17	B2
SW4	Tray 2 upper limit	28	C7
SW5	Punch hole	65	F3
SW6	Front door safety	51	B2
Electrical Clutches			
CL1	Back fence lock	10	D7
CL2	Punch	64	E2
PCBs			
PCB1	Main	13	D4
PCB2	Stapler Sensor	57	NA





1-BIN TRAY (B376) ELECTRICAL COMPONENT LAYOUT



Symbol	Index No.	Description	P to P
Motor			
M1	3	Tray	D2
Sensors			
S1	7	Entrance	D7
S2	5	Paper Limit	A7
S3	6	Paper	E7
S4	1	Motor Lock	B7

Symbol	Index No.	Description	P to P
Switch			
SW1	4	Right Cover	C7
PCB			
PCB1	2	Main	A4
LED			
LED1	8	Paper Indicator	E7

Diagram illustrating the B003/B004 FAX Option Point to Point connections across various modules and connectors.

The diagram is organized into a grid with columns labeled A through G and rows labeled 1 through 5.

Modules and Connectors:

- MB (Main Board):** CN351, CN321, CN323, CN620
- FCU (Fax Control Unit):** CN327, CN328, CN329 (EU model only)
- SG3 (Speaker):** CN1, CN343
- SG4/SG3 (Speaker):** CN1, CN341
- CCUIF (Fax Control Unit Interface):** CN342
- Expansion Memory:** CN324
- Speaker:** CN330

Pin Connections:

MB:

- CN351: 1-12V, 2-12V, 3-12V, 4-12V, 5-12V, 6-12V, 7-12V, 8-12V, 9-12V, 10-12V, 11-12V, 12-12V, 13-12V, 14-12V, 15-12V, 16-12V, 17-12V, 18-12V, 19-12V, 20-12V, 21-12V, 22-12V, 23-12V, 24-12V, 25-12V, 26-12V, 27-12V, 28-12V, 29-12V, 30-12V, 31-12V, 32-12V, 33-12V, 34-12V, 35-12V, 36-12V, 37-12V, 38-12V, 39-12V, 40-12V, 41-12V, 42-12V, 43-12V, 44-12V, 45-12V, 46-12V, 47-12V, 48-12V, 49-12V, 50-12V, 51-12V, 52-12V, 53-12V, 54-12V, 55-12V, 56-12V, 57-12V, 58-12V, 59-12V, 60-12V, 61-12V, 62-12V, 63-12V, 64-12V, 65-12V, 66-12V, 67-12V, 68-12V, 69-12V, 70-12V, 71-12V, 72-12V, 73-12V, 74-12V, 75-12V, 76-12V, 77-12V, 78-12V, 79-12V, 80-12V
- CN321: 1-12V, 2-12V, 3-12V, 4-12V, 5-12V, 6-12V, 7-12V, 8-12V, 9-12V, 10-12V, 11-12V, 12-12V, 13-12V, 14-12V, 15-12V, 16-12V, 17-12V, 18-12V, 19-12V, 20-12V, 21-12V, 22-12V, 23-12V, 24-12V, 25-12V, 26-12V, 27-12V, 28-12V, 29-12V, 30-12V, 31-12V, 32-12V, 33-12V, 34-12V, 35-12V, 36-12V, 37-12V, 38-12V, 39-12V, 40-12V, 41-12V, 42-12V, 43-12V, 44-12V, 45-12V, 46-12V, 47-12V, 48-12V, 49-12V, 50-12V, 51-12V, 52-12V, 53-12V, 54-12V, 55-12V, 56-12V, 57-12V, 58-12V, 59-12V, 60-12V, 61-12V, 62-12V, 63-12V, 64-12V, 65-12V, 66-12V, 67-12V, 68-12V, 69-12V, 70-12V, 71-12V, 72-12V, 73-12V, 74-12V, 75-12V, 76-12V, 77-12V, 78-12V, 79-12V, 80-12V
- CN323: 1-12V, 2-12V, 3-12V, 4-12V, 5-12V, 6-12V, 7-12V, 8-12V, 9-12V, 10-12V, 11-12V, 12-12V, 13-12V, 14-12V, 15-12V, 16-12V, 17-12V, 18-12V, 19-12V, 20-12V, 21-12V, 22-12V, 23-12V, 24-12V, 25-12V, 26-12V, 27-12V, 28-12V, 29-12V, 30-12V, 31-12V, 32-12V, 33-12V, 34-12V, 35-12V, 36-12V, 37-12V, 38-12V, 39-12V, 40-12V, 41-12V, 42-12V, 43-12V, 44-12V, 45-12V, 46-12V, 47-12V, 48-12V, 49-12V, 50-12V, 51-12V, 52-12V, 53-12V, 54-12V, 55-12V, 56-12V, 57-12V, 58-12V, 59-12V, 60-12V, 61-12V, 62-12V, 63-12V, 64-12V, 65-12V, 66-12V, 67-12V, 68-12V, 69-12V, 70-12V, 71-12V, 72-12V, 73-12V, 74-12V, 75-12V, 76-12V, 77-12V, 78-12V, 79-12V, 80-12V
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FCU:

- CN327: 1-12V, 2-12V, 3-12V, 4-12V, 5-12V, 6-12V, 7-12V, 8-12V, 9-12V, 10-12V, 11-12V, 12-12V, 13-12V, 14-12V, 15-12V, 16-12V, 17-12V, 18-12V, 19-12V, 20-12V, 21-12V, 22-12V, 23-12V, 24-12V, 25-12V, 26-12V, 27-12V, 28-12V, 29-12V, 30-12V, 31-12V, 32-12V, 33-12V, 34-12V, 35-12V, 36-12V, 37-12V, 38-12V, 39-12V, 40-12V, 41-12V, 42-12V, 43-12V, 44-12V, 45-12V, 46-12V, 47-12V, 48-12V, 49-12V, 50-12V, 51-12V, 52-12V, 53-12V, 54-12V, 55-12V, 56-12V, 57-12V, 58-12V, 59-12V, 60-12V, 61-12V, 62-12V, 63-12V, 64-12V, 65-12V, 66-12V, 67-12V, 68-12V, 69-12V, 70-12V, 71-12V, 72-12V, 73-12V, 74-12V, 75-12V, 76-12V, 77-12V, 78-12V, 79-12V, 80-12V
- CN328: 1-12V, 2-12V, 3-12V, 4-12V, 5-12V, 6-12V, 7-12V, 8-12V, 9-12V, 10-12V, 11-12V, 12-12V, 13-12V, 14-12V, 15-12V, 16-12V, 17-12V, 18-12V, 19-12V, 20-12V, 21-12V, 22-12V, 23-12V, 24-12V, 25-12V, 26-12V, 27-12V, 28-12V, 29-12V, 30-12V, 31-12V, 32-12V, 33-12V, 34-12V, 35-12V, 36-12V, 37-12V, 38-12V, 39-12V, 40-12V, 41-12V, 42-12V, 43-12V, 44-12V, 45-12V, 46-12V, 47-12V, 48-12V, 49-12V, 50-12V, 51-12V, 52-12V, 53-12V, 54-12V, 55-12V, 56-12V, 57-12V, 58-12V, 59-12V, 60-12V, 61-12V, 62-12V, 63-12V, 64-12V, 65-12V, 66-12V, 67-12V, 68-12V, 69-12V, 70-12V, 71-12V, 72-12V, 73-12V, 74-12V, 75-1