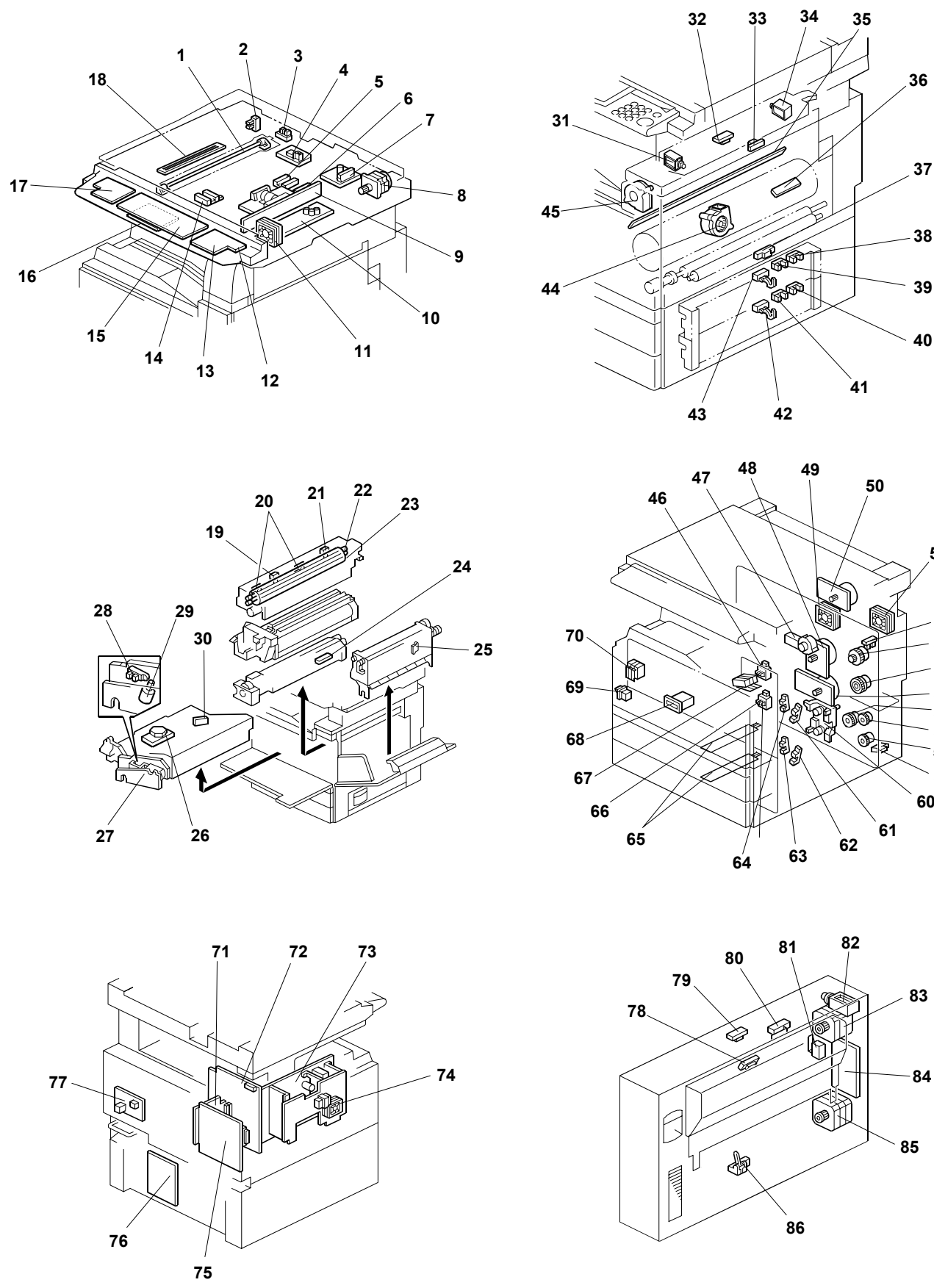


A



SYMBOL TABLE	
	DC Line
	Pulse Signal
	Signal Direction
	Active High
	Active Low
[]	Voltage

COPIER (B079/B082)/BRIDGE UNIT (B538)
ELECTRICAL COMPONENT LAYOUT



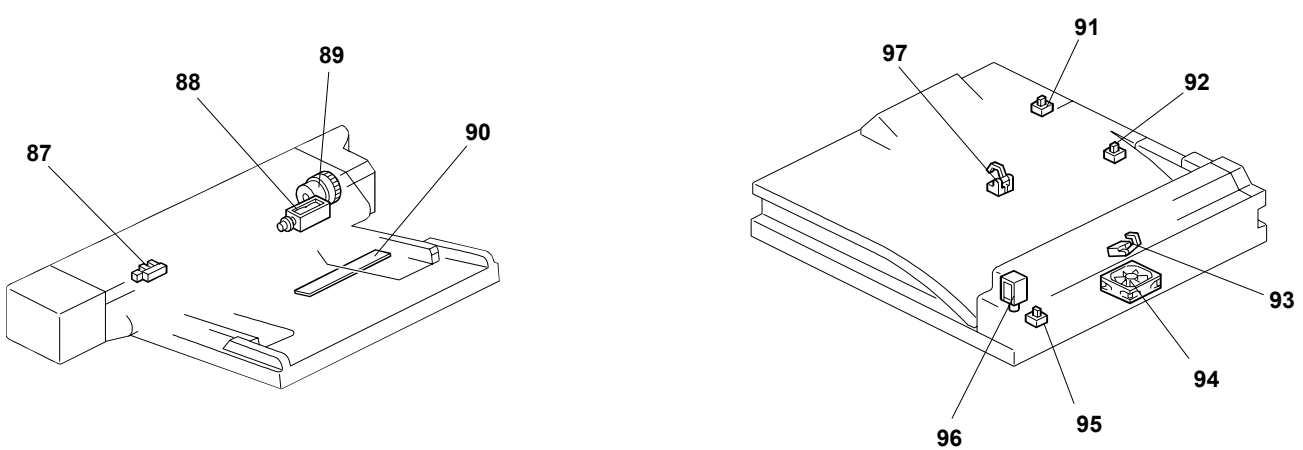
COPIER (B079/B082)

Symbol	Index No.	Description	P to P
Printed Circuit Board			
PCB1	72	BICU (Base Engine & Image Control Unit)	A4
PCB2	75	Controller	B5
PCB3	13	Operation Panel (Right)	(B1)
PCB4	17	Operation Panel (Left)	(B1)
PCB5	71	Mother Board	B5
PCB7	73	PSU (Power Supply Unit)	D8
PCB8	76	IOB (Input/Output Board)	F8
PCB9	77	High Voltage Supply	E5
PCB10	9	SBU (Sensor Board Unit)	A2
PCB11	10	SIB (Scanner Interface Board)	B2
PCB12	16	Operation Panel	B1
PCB13	7	MDB (Motor Drive Board)	D2
PCB14	4	Lamp Stabilizer	C1
PCB15	27	LDDR (Laser Diode Driver)	A5
PCB16	84	Duplex Main	F2
PCB17	15	LCD	(B1)
Motors			
M1	48	Main	E4
M2	44	Cooling Fan (Corner)	G6
M3	45	Cooling Fan (Side)	E5
M4	55	Paper Feed and Development	E4
M5	8	Scanner Drive	D1
M6	60	Tray lift	D10
M7	50	Fusing Exit	E6
M8	26	Polygonal Mirror	B5
M9	29	LD Positioning	F7
M10	49	Cooling Fan	F8
M11	51	Exhaust Fan	F7
M12	47	Toner Supply	F6
M13	74	PSU Cooling Fan	E6
M14	83	Inverter	F1
M15	85	Transport	F1
M16	11	Scanner Fan	B1
Solenoids			
SOL1	82	Inverter Gate	F1
SOL2	88	Pick-up	C10
SOL3	31	Duplex Junction Gate	F8
SOL4	34	Exit Junction Gate	F8
Lamps			
L1	1	Exposure	C1
L2	22	Fusing (end)	(E8)
L3	23	Fusing (center)	(E8)
L4	35	Quenching	F6
Heaters			
H1	18	Optics Anti-condensation (option)	E7
H2	65	Tray (option)	E8
Thermistors			
TH1	19	Fusing (center)	(E8)
TH2	21	Fusing (end)	(E8)
Thermostat			
TS1	20	Fusing	(E8)
Counter			
CO1	68	Total	F6
Others			
LSD1	30	Laser Synchronization Detector	B5
-	-	HDD	B6

Symbol	Index No.	Description	P to P
Sensors			
S1	2	Scanner Home Position	C1
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	F7
S7	24	Toner Density (TD)	E5
S8	32	Paper Exit	F8
S9	61	Upper Paper Height 2	B10
S10	62	Lower Paper Height 2	B10
S11	63	Lower Paper Height 1	B10
S12	64	Upper Paper Height 1	B10
S13	37	Registration	E4
S14	36	Image Density (ID)	F6
S15	38	Upper Paper Height	B10
S16	40	Lower Paper Height	C10
S17	39	Upper Paper End	C10
S18	41	Lower Paper End	C10
S19	43	Upper Relay	B10
S20	42	Lower Relay	C10
S21	52	Transfer Belt Position	F7
S22	33	Fusing Unit Exit	F6
S23	25	Toner Overflow	F5
S24	79	Duplex Unit Entrance	F1
S25	86	Duplex Unit Exit	E1
S26	87	Paper End	C10
S27	90	Paper Size	C10
S28	78	Inverter	F1
Switches			
SW1	59	Lower Right Cover	B10
SW2	67	Upper Right Cover	A5
SW3	69	Main Power	E7
SW4	70	Front Cover Safety	A5
SW5	12	Operation Switch	(B1)
SW6	81	Duplex Unit	E1
SW7	46	Upper Paper Size	D10
SW8	66	Lower Paper Size	D10
SW9	80	Duplex Cover Open	E1
Magnetic Clutches			
CL1	53	Transfer Belt Contact	F7
CL2	54	Registration	E4
CL3	56	Relay	E10
CL4	57	Upper Paper Feed	E10
CL5	58	Lower Paper Feed	E10
CL6	89	Paper Feed	C10

BRIDGE UNIT (B538)

Symbol	Index No.	Description	P to P
Motors			
M1	94	Cooling Fan	F4
Sensors			
S1	93	Tray Exit	F3
S2	97	Relay	F3
Switches			
SW1	95	Tray Exit Unit	F3
SW2	92	Right Guide	F4
SW3	91	Left Guide	F3
Solenoid			
SOL1	96	Junction Gate	F3



ARDF (B541) Point to Point Diagram

SYMBOL TABLE

- DC Line
- - - - Pulse Signal
- Signal Direction
- ▲ Active High
- ▼ Active Low
- [] Voltage

Main Machine

ADF Control Board (PCB 1)

Top Cover Sn. S1

Original Width 4 Sn. S14

Original Width 3 Sn. S13

Original Width 2 Sn. S12

Original Width 1 Sn. S11

Registration Sn. S16

Interval Sn. S17

Skew Correction Sn. S9

Exit Sn. S15

Lift Sn. S4

Pick-up H.P Sn. S2

Original Stopper H.P Sn. S3

Original Length LG S5

Original Length B5 S7

Feed Motor M2

Transport Motor M3

Inverter Motor M4

Pick-up Motor M1

Inverter Sol. SOL1

Stamp Sol. SOL2

Skew Correction Roller Cl. CL1

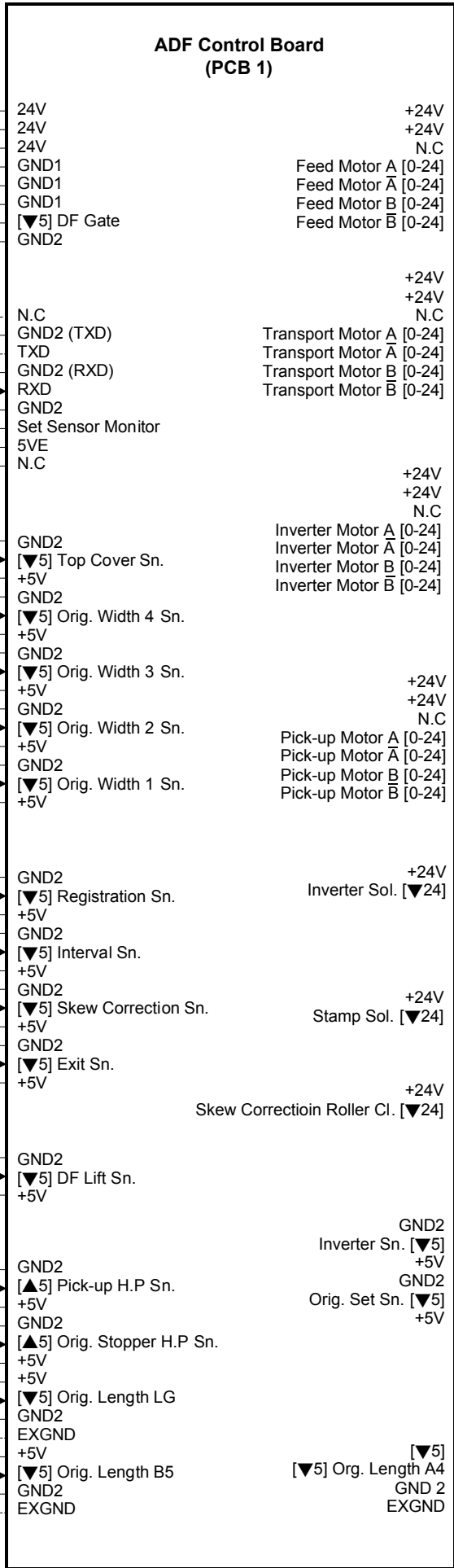
Inverter Sn. S10

Original Set Sn. S8

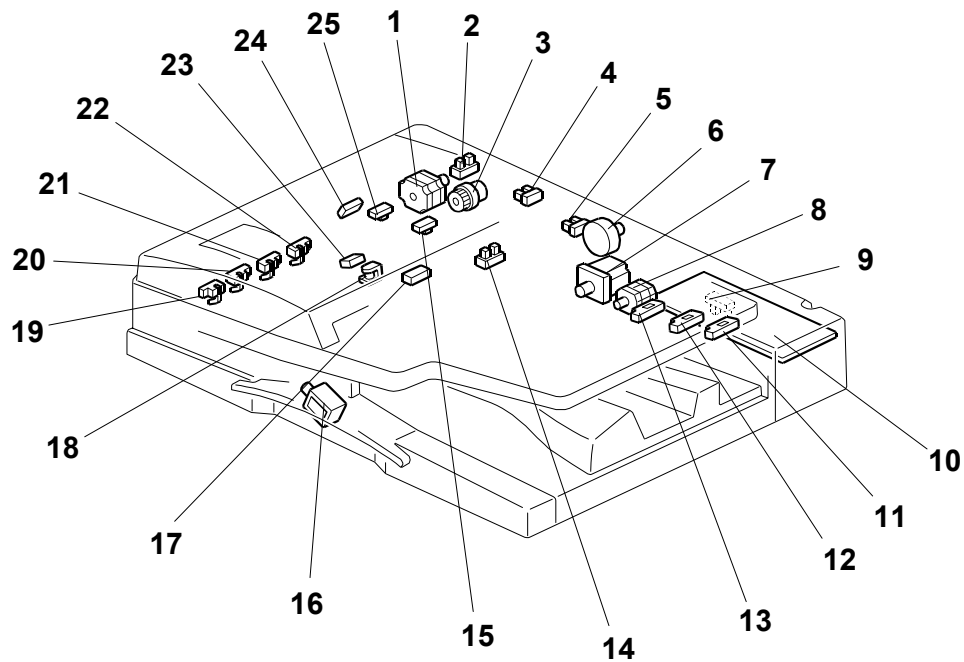
Original Length A4 S6

Connections:

- Top Cover Sn.** S1: CN203-3 (-2) to CN102-1 (-2); CN204-3 (-1) to CN300-1 (-2); CN205-3 (-1) to CN300-12 (-11); CN206-3 (-1) to CN300-12 (-10); CN207-3 (-1) to CN300-12 (-9); CN208-3 (-1) to CN301-1 (-2); CN209-3 (-1) to CN301-1 (-3); CN210-3 (-1) to CN301-1 (-4); CN211-3 (-1) to CN301-1 (-5); CN212-3 (-1) to CN301-1 (-6); CN213-3 (-1) to CN301-1 (-7); CN214-3 (-1) to CN301-1 (-8); CN215-3 (-1) to CN301-1 (-9); CN216-3 (-1) to CN301-1 (-10); CN217-3 (-1) to CN301-1 (-11); CN218-3 (-1) to CN301-1 (-12); CN219-3 (-1) to CN301-1 (-13); CN220-3 (-1) to CN301-1 (-14); CN221-3 (-1) to CN301-1 (-15); CN222-3 (-1) to CN301-1 (-16); CN223-3 (-1) to CN301-1 (-17); CN224-3 (-1) to CN301-1 (-18); CN225-3 (-1) to CN301-1 (-19); CN226-3 (-1) to CN301-1 (-20); CN227-3 (-1) to CN301-1 (-21); CN228-3 (-1) to CN301-1 (-22); CN229-3 (-1) to CN301-1 (-23); CN230-3 (-1) to CN301-1 (-24); CN231-3 (-1) to CN301-1 (-25); CN232-3 (-1) to CN301-1 (-26); CN233-3 (-1) to CN301-1 (-27); CN234-3 (-1) to CN301-1 (-28); CN235-3 (-1) to CN301-1 (-29); CN236-3 (-1) to CN301-1 (-30); CN237-3 (-1) to CN301-1 (-31); CN238-3 (-1) to CN301-1 (-32); CN239-3 (-1) to CN301-1 (-33); CN240-3 (-1) to CN301-1 (-34); CN241-3 (-1) to CN301-1 (-35); CN242-3 (-1) to CN301-1 (-36); CN243-3 (-1) to CN301-1 (-37); CN244-3 (-1) to CN301-1 (-38); CN245-3 (-1) to CN301-1 (-39); CN246-3 (-1) to CN301-1 (-40); CN247-3 (-1) to CN301-1 (-41); CN248-3 (-1) to CN301-1 (-42); CN249-3 (-1) to CN301-1 (-43); CN250-3 (-1) to CN301-1 (-44); CN251-3 (-1) to CN301-1 (-45); CN252-3 (-1) to CN301-1 (-46); CN253-3 (-1) to CN301-1 (-47); CN254-3 (-1) to CN301-1 (-48); CN255-3 (-1) to CN301-1 (-49); CN256-3 (-1) to CN301-1 (-50); CN257-3 (-1) to CN301-1 (-51); CN258-3 (-1) to CN301-1 (-52); CN259-3 (-1) to CN301-1 (-53); CN260-3 (-1) to CN301-1 (-54); CN261-3 (-1) to CN301-1 (-55); CN262-3 (-1) to CN301-1 (-56); CN263-3 (-1) to CN301-1 (-57); CN264-3 (-1) to CN301-1 (-58); CN265-3 (-1) to CN301-1 (-59); CN266-3 (-1) to CN301-1 (-60); CN267-3 (-1) to CN301-1 (-61); 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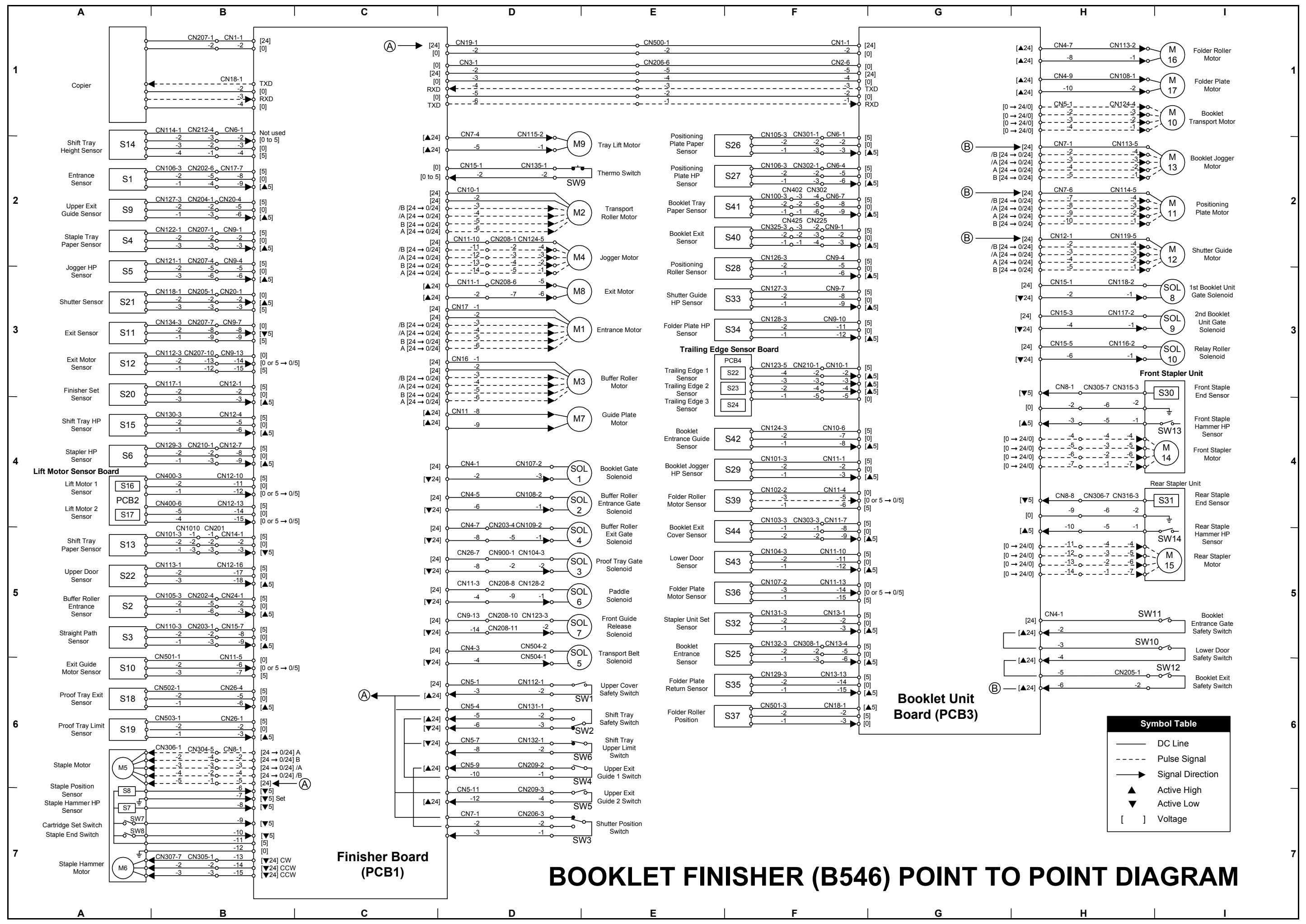


ARDF (B541) ELECTRICAL COMPONENT LAYOUT

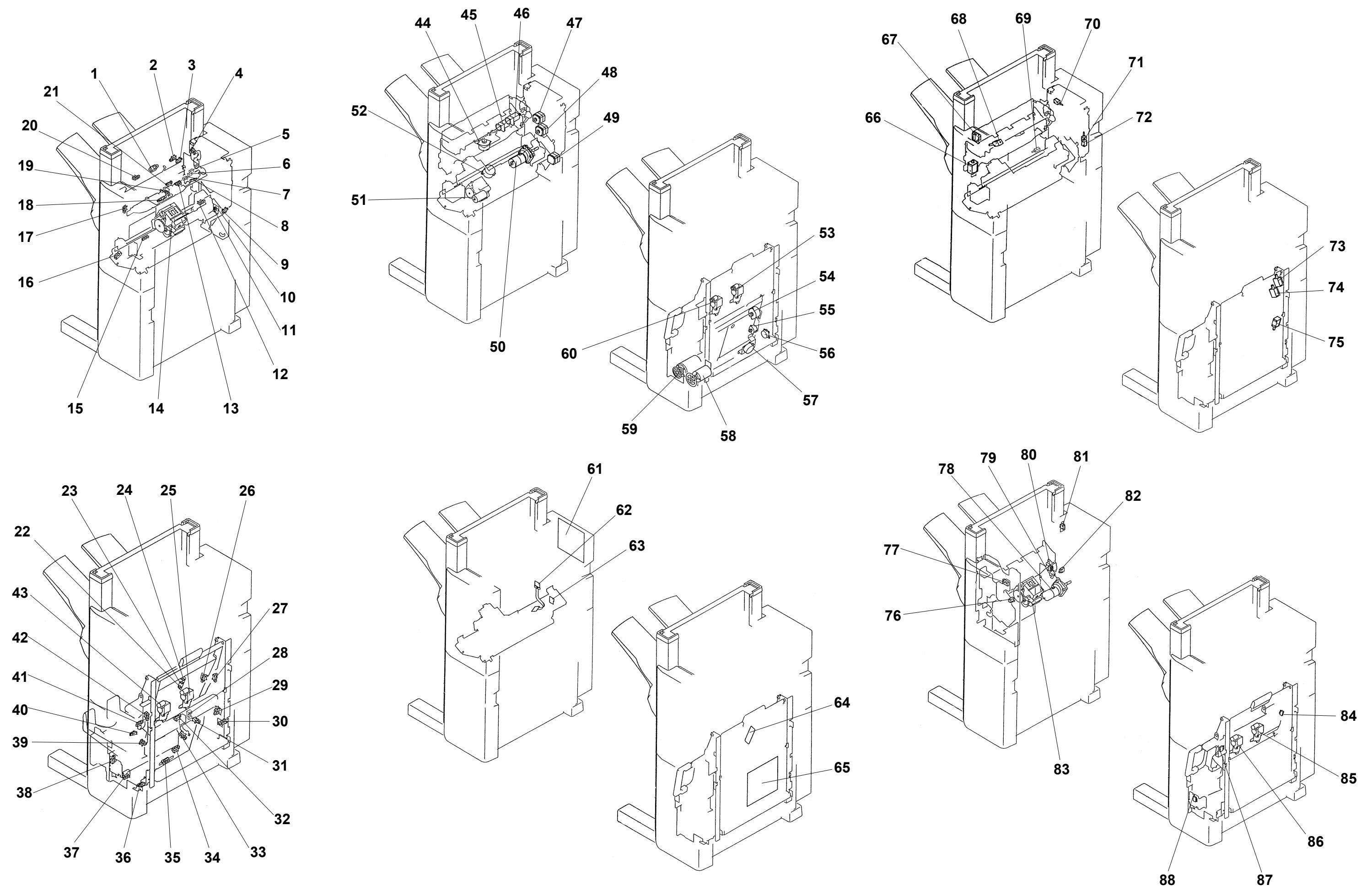


Symbol	Name	Index No.	P to P
Motors			
M1	Pick-up	6	C7
M2	Feed	1	A7
M3	Transport	7	B7
M4	Inverter	8	C7
Sensors			
S1	Top cover	2	C2
S2	Pick-up HP	4	E2
S3	Original stopper HP	5	E2
S4	Lift	9	E2
S5	Original length LG	11	E2
S6	Original length A4	12	F2
S7	Original length B5	13	F2
S8	Original set	14	E7
S9	Skew correction	15	D7
S10	Inverter	17	E7
S11	Original Width 1	22	D2
S12	Original Width 2	21	C2
S13	Original Width 3	20	C2
S14	Original Width 4	19	C2
S15	Exit	23	E2
S16	Registration	24	D2
S17	Interval	25	D2
Solenoid			
SOL1	Inverter	16	D7
SOL2	Stamp	18	D7
Electrical Clutch			
CL1	Skew correction roller	3	E7
PCB			
PCB1	ARDF control board	10	F5

BOOKLET FINISHER (B546) POINT TO POINT DIAGRAM



ELECTRICAL COMPONENT LAYOUT (B546) (1/2)



ELECTRICAL COMPONENT LAYOUT (B546) (2/2)

Symbol	Name	Index No.	P to P
Motors			
M1	Entrance	49	E3
M2	Transport Roller	47	E2
M3	Buffer Roller	48	E3
M4	Jogger	44	E2
M5	Stapler	52	A6
M6	Staple Hammer	51	A7
M7	Guide Plate	46	E4
M8	Exit Motor	45	E3
M9	Tray Lift	50	E2
M10	Booklet Transport	56	I1
M11	Positioning Plate	54	I2
M12	Shutter Guide	55	I2
M13	Booklet Jogger	57	I2
M14	Front Stapler	60	I4
M15	Rear Stapler	53	I5
M16	Folder Roller	59	I1
M17	Folder Plate	58	I1

Symbol	Name	Index No.	P to P
Switches			
SW1	Upper Cover Safety	77	E6
SW2	Shift Tray Safety	82	E6
SW3	Shutter Position	76	E7
SW4	Upper Exit Guide 1	80	E6
SW5	Upper Exit Guide 2	79	E7
SW6	Shift Tray Upper Limit	81	E6
SW7	Cartridge Set	83	A7
SW8	Staple End	83	A7
SW9	Thermo	78	E2
SW10	Lower Door Safety	87	I5
SW11	Booklet Entrance Guide Safety	84	I5
SW12	Booklet Exit Safety	88	I6
SW13	Front Staple Hammer HP	86	I4
SW14	Rear Staple Hammer HP	85	I5

Symbol	Name	Index No.	P to P
Sensors			
S1	Entrance	3	A2
S2	Buffer Roller Entrance	2	A5
S3	Straight Path	21	A5
S4	Staple Tray Paper	8	A2
S5	Jogger HP	19	A3
S6	Stapler Unit HP	16	A4
S7	Staple Hammer HP	14	A7
S8	Staple Position	14	A7
S9	Upper Exit Guide	4	A2
S10	Exit Guide Motor	7	A6
S11	Exit	18	A3
S12	Exit Motor	13	A3
S13	Shift Tray Paper	20	A5
S14	Shift Tray height	1	A2
S15	Shift Tray HP	12	A4
S16	Lift Motor 1	11	A4
S17	Lift Motor 2	10	A4
S18	Proof Tray Exit	5	A6
S19	Proof Tray Limit	6	A6
S20	Finisher Set	20	A6
S21	Shutter	15	A3
S22	Trailing Edge 1	24	F3
S23	Trailing Edge 2	23	F3
S24	Trailing Edge 3	22	F4
S25	Booklet Entrance	32	F5
S26	Positioning Plate Paper	34	F2
S27	Positioning Plate HP	35	F2
S28	Positioning Roller	31	F3
S29	Booklet Jogger HP	39	F4
S30	Front Staple End	43	I3
S31	Rear Staple End	25	I4
S32	Stapler Unit Set	26	F5
S33	Shutter Guide HP	33	F3
S34	Folder Plate HP	29	F3
S35	Folder Plate Return	30	F6
S36	Folder Plate Motor	36	F5
S37	Folder Roller Position	28	F6

Symbol	Name	Index No.	P to P
Sensors			
S39	Folder Roller Motor	37	F4
S40	Booklet Exit	41	F2
S41	Booklet Tray Paper	40	F2
S42	Booklet Entrance Guide	27	F4
S43	Lower Door	42	F5
S44	Booklet Exit Cover	38	F5
S45	Upper Door	16	F6

Symbol	Name	Index No.	P to P
Solenoids			
SOL1	Booklet Gate	72	E4
SOL2	Buffer Roller Entrance Gate	71	E4
SOL3	Proof Tray Gate	70	E5
SOL4	Buffer Roller Exit Gate	68	E4
SOL5	Transport Belt	69	E5
SOL6	Paddle	67	E5
SOL7	Front Guide Release	66	E5
SOL8	1st Booklet Unit Gate	73	I3
SOL3	2nd Booklet Unit Gate	74	I3
SOL4	Relay Roller	75	I3
PCBs			
PCB1	Finisher	61	C7
PCB2	Lift Motor Sensor	63	A4
PCB3	Booklet Unit	65	G6
PCB4	Trailing Edge Sensor	64	F3
Others			
HR1	Stapler Interface	62	-