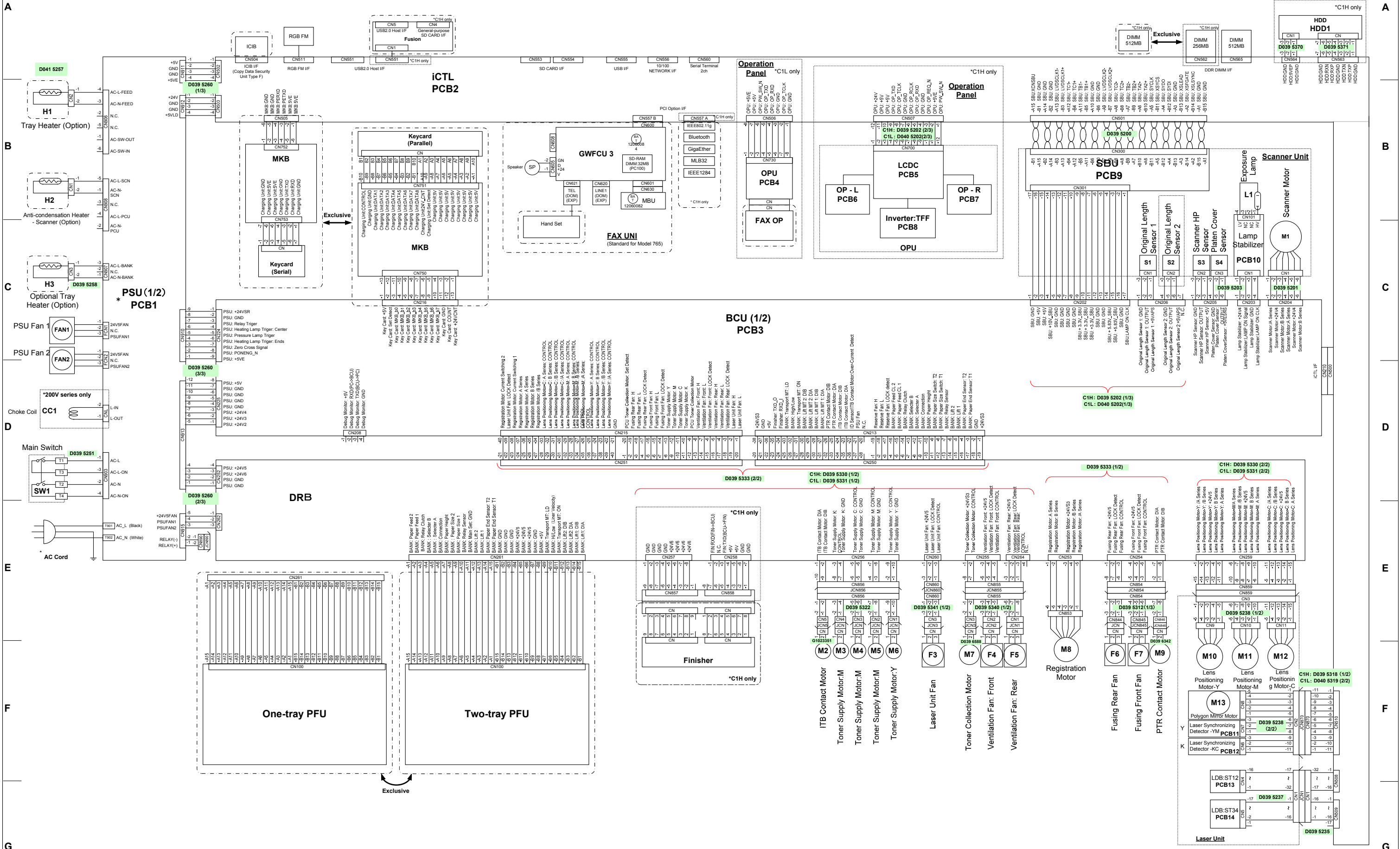
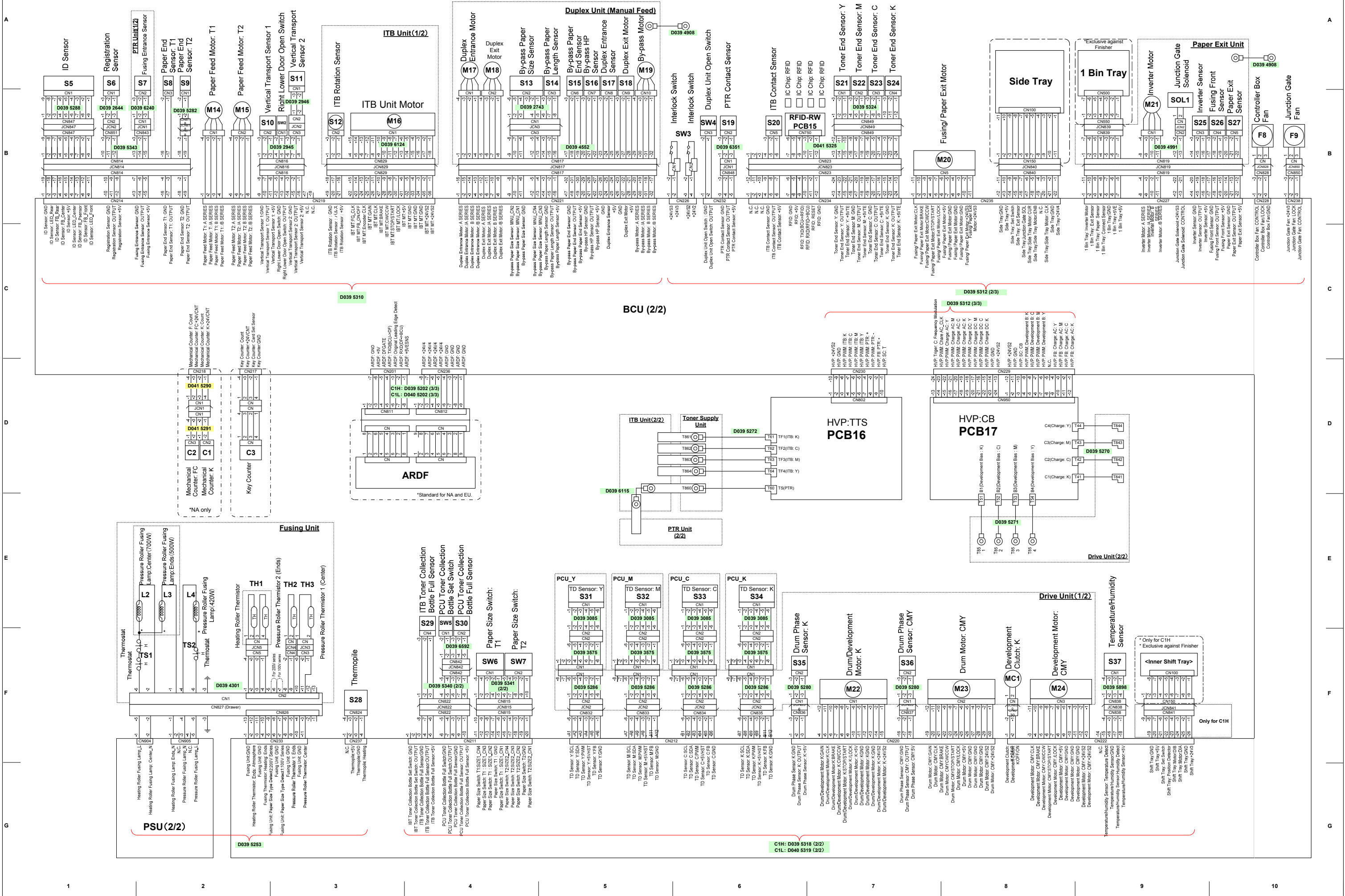


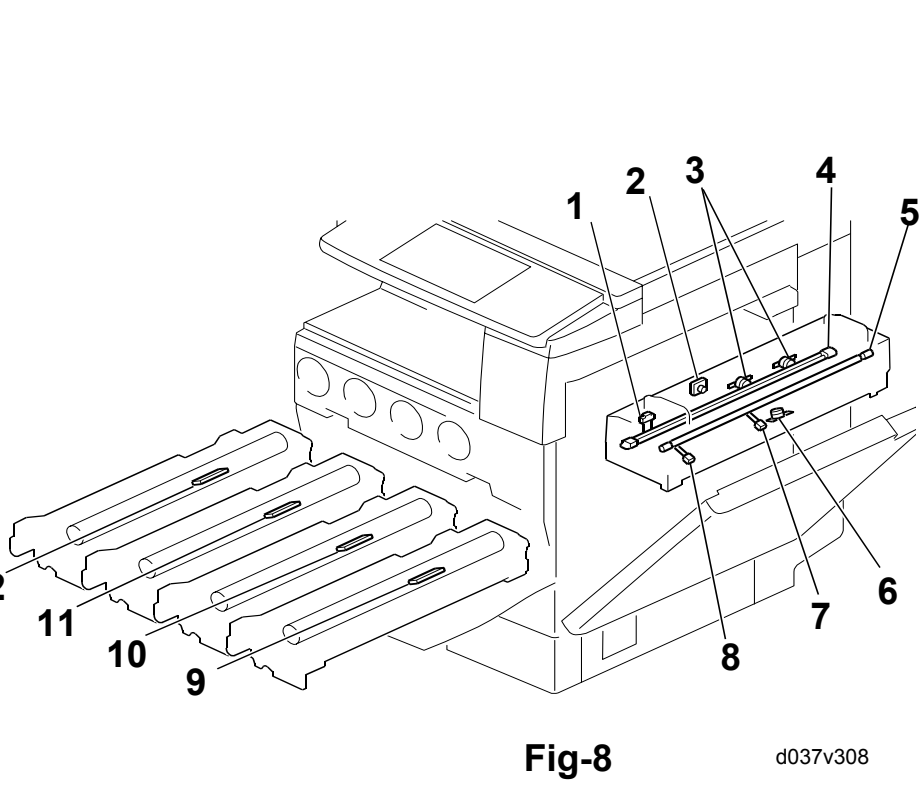
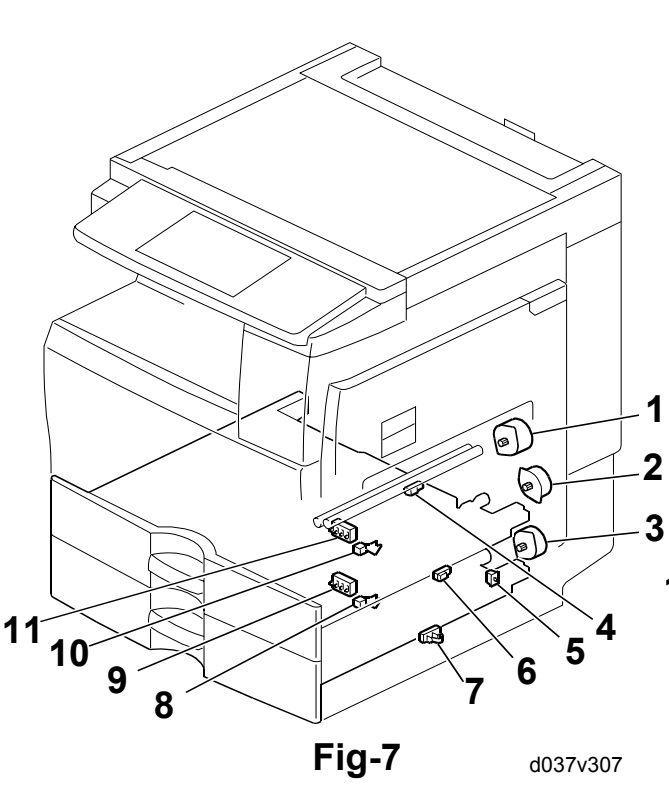
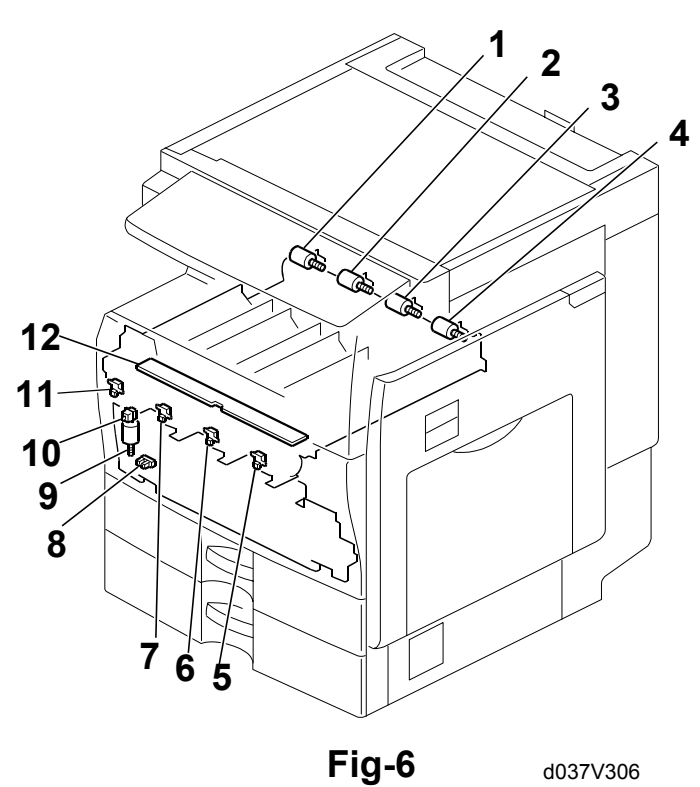
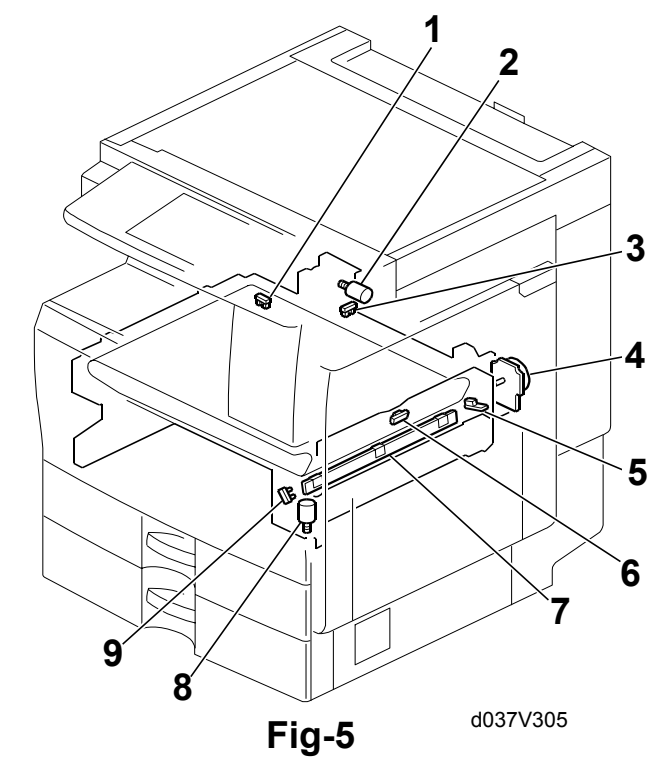
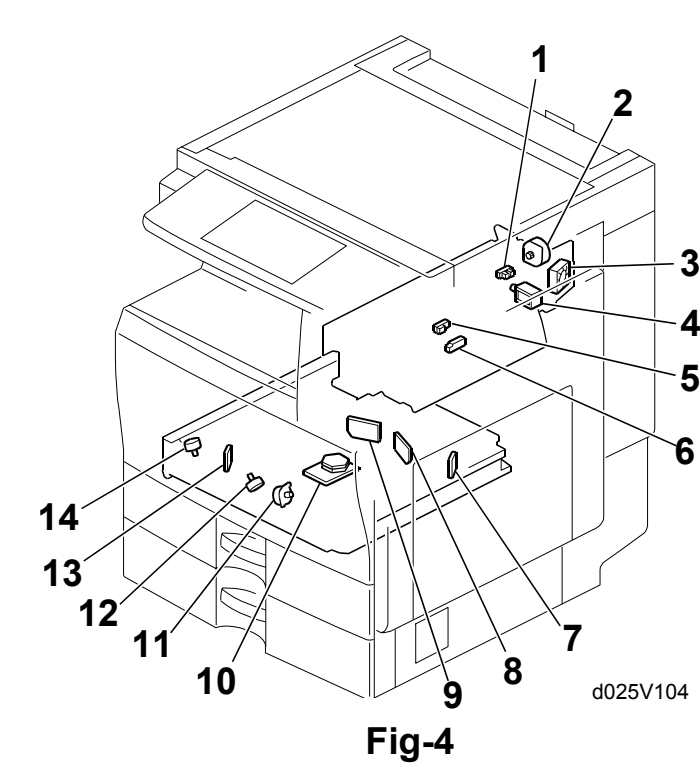
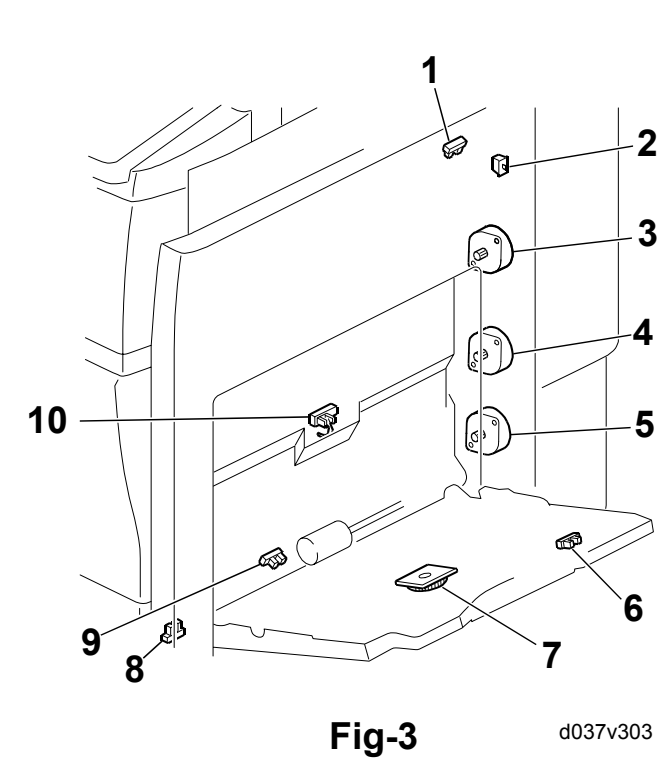
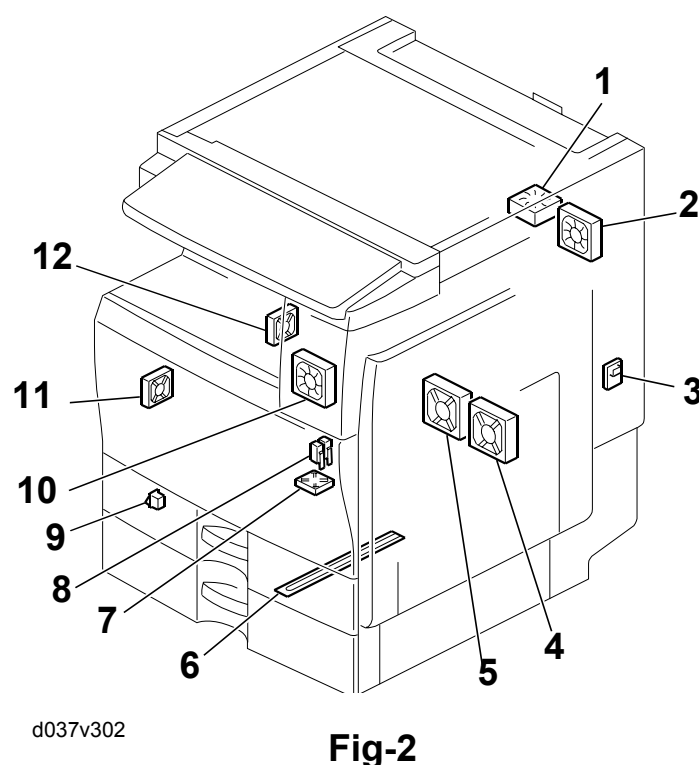
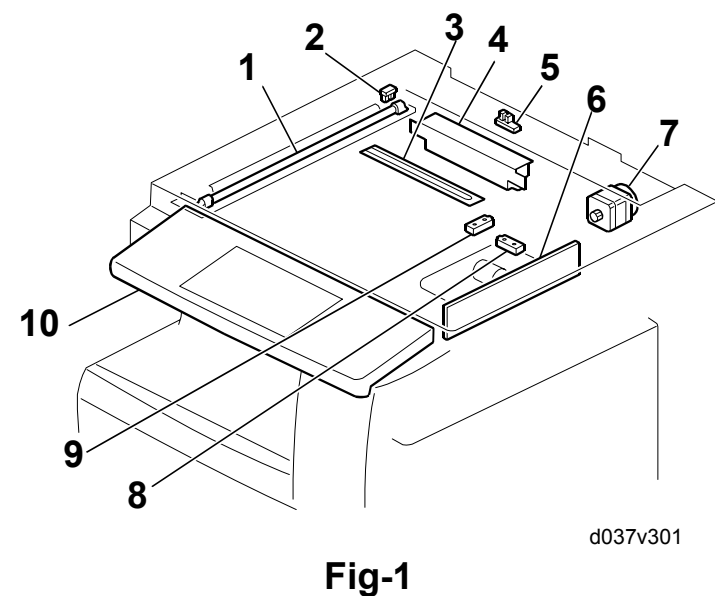
D037/D038/D040/D041 POINT TO POINT DIAGRAM (1/2)



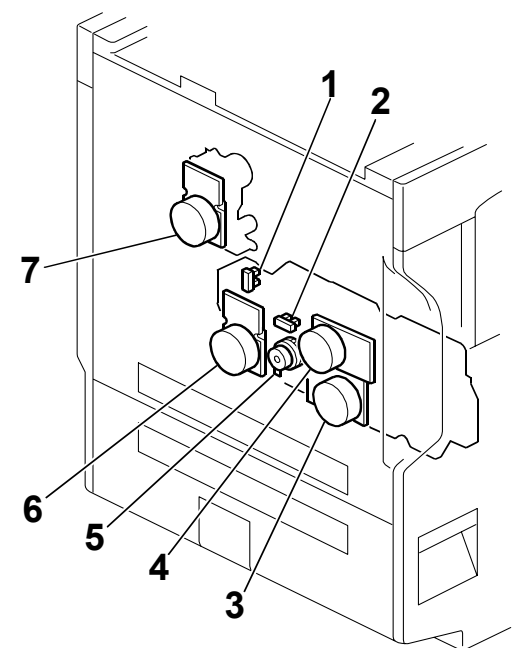
D037/D038/D040/D041 POINT TO POINT DIAGRAM (2/2)



D037/D038/D040/D041 ELECTRICAL COMPONENT LAYOUT (1/2)



D037/D038/D040/D041 ELECTRICAL COMPONENT LAYOUT (2/2)



d037v309

Fig-9

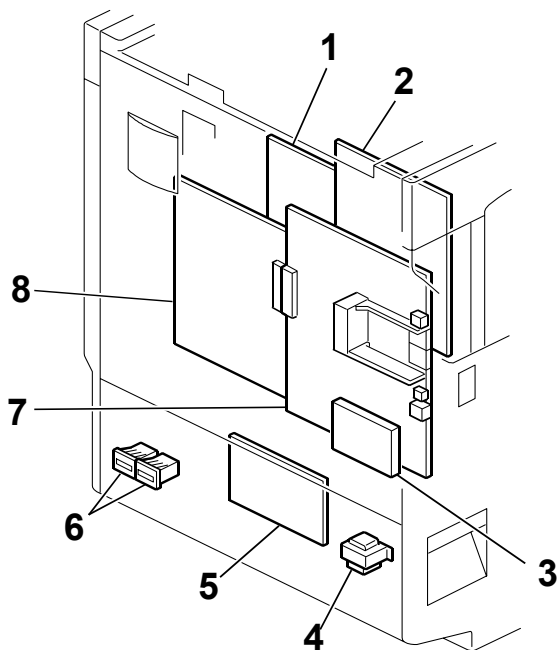


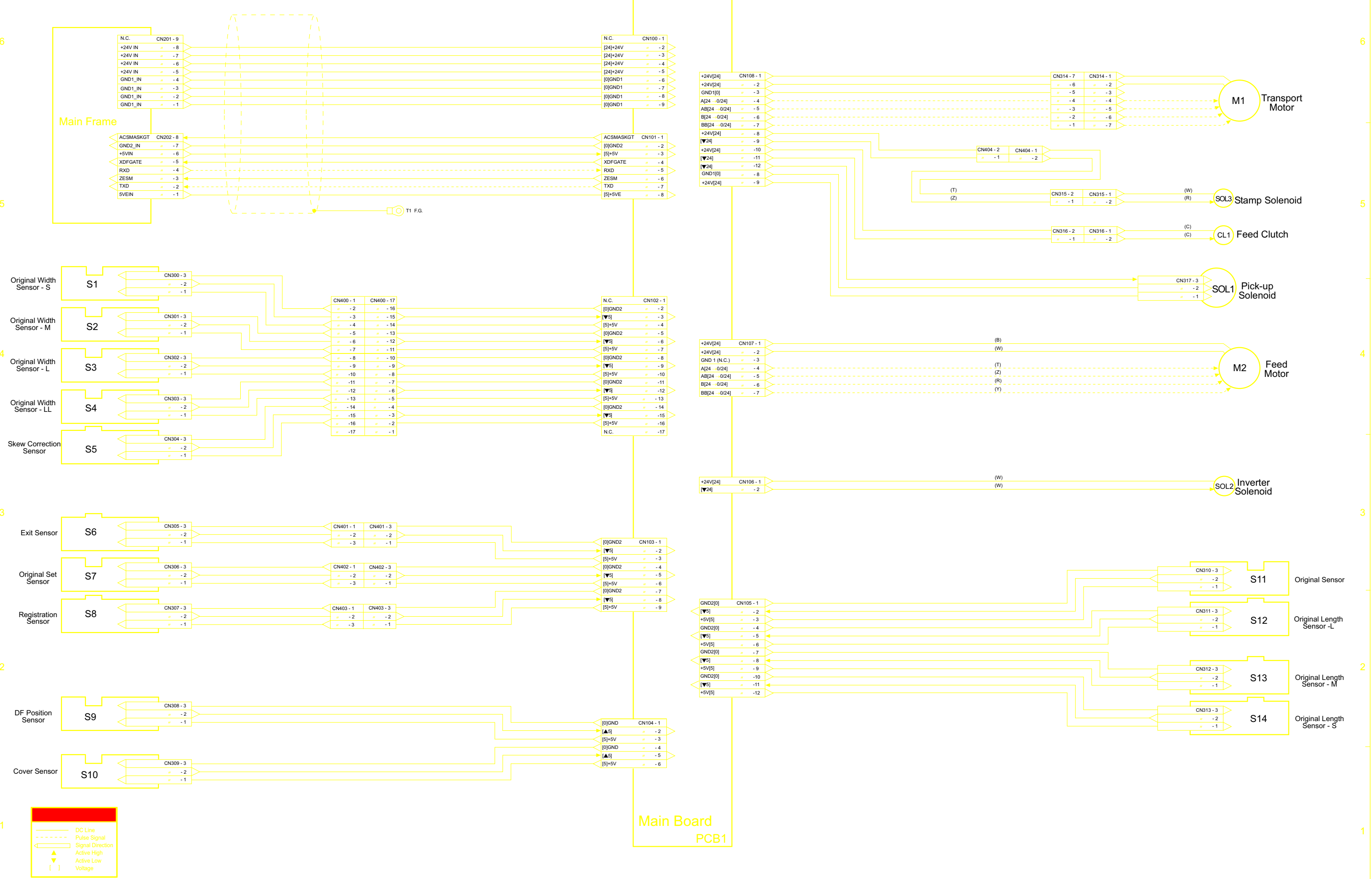
Fig-10

d037v310

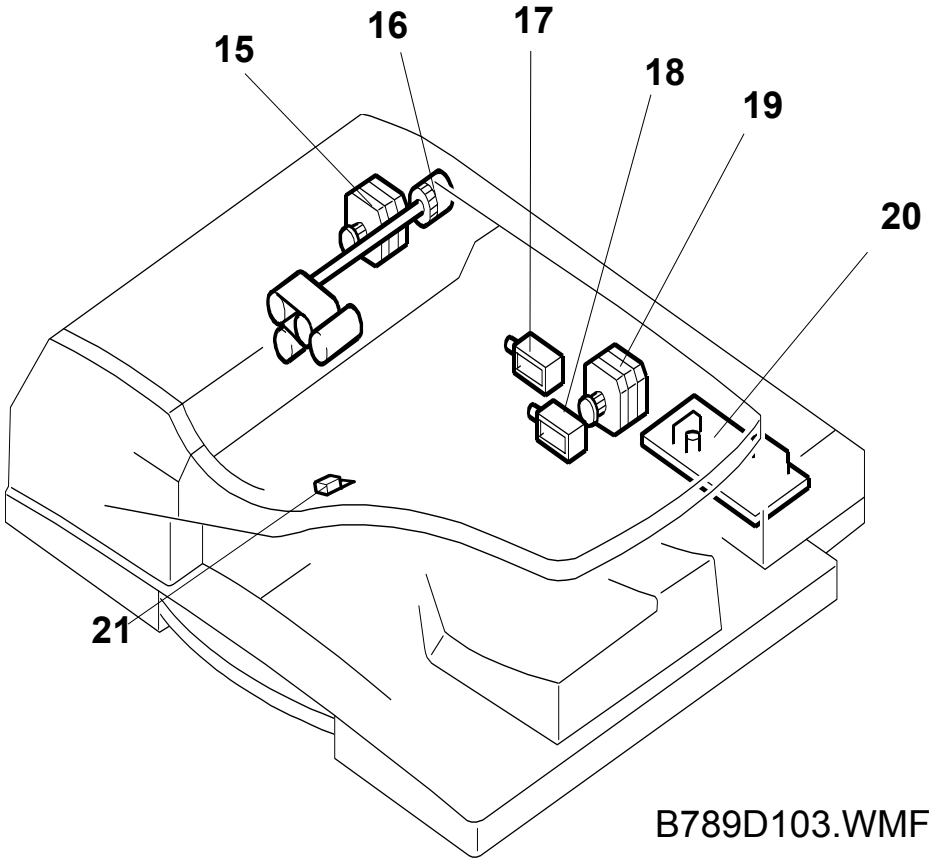
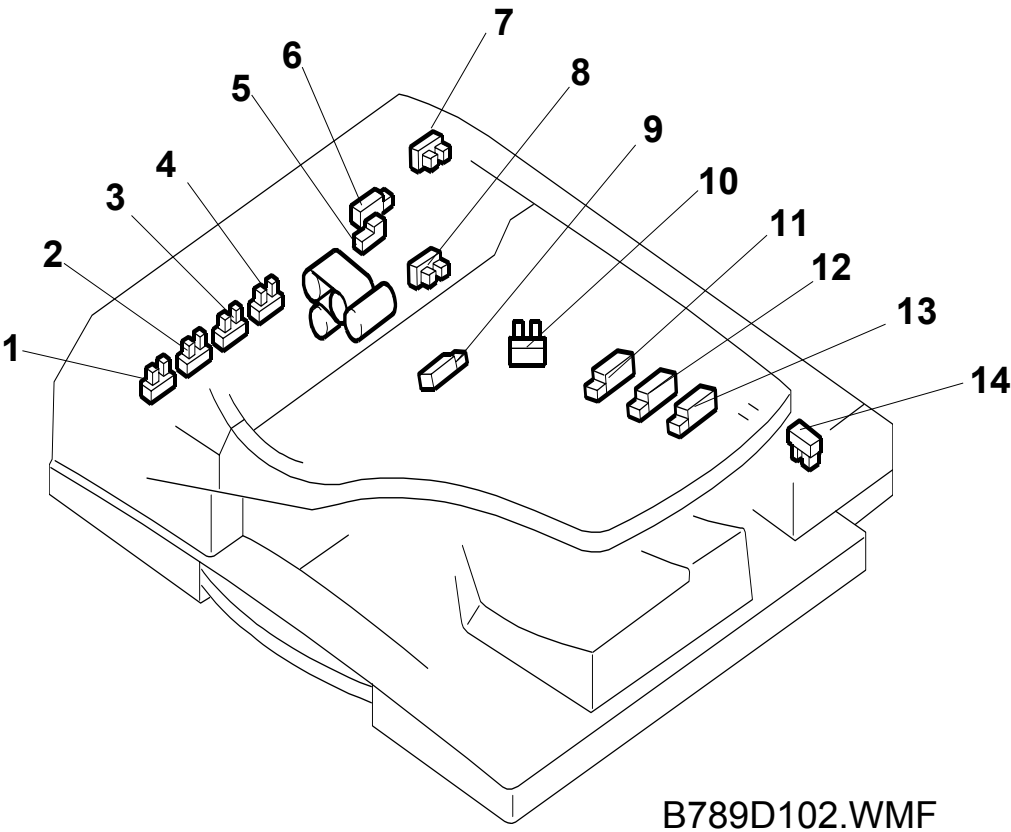
Symbol	Index No.	Description	P to P	Page
Motors				
M1	F 1-7	Scanner Motor	C10	1/2
M2	F 5-2	ITB Contact Motor	F6	1/2
M3	F 6-4	Toner Supply Motor:K	F7	1/2
M4	F 6-3	Toner Supply Motor:C	F7	1/2
M5	F 6-2	Toner Supply Motor:M	F7	1/2
M6	F 6-1	Toner Supply Motor:Y	F7	1/2
M7	F 6-9	Toner Collection Motor	F8	1/2
M8	F 7-1	Registration Motor	F8	1/2
M9	F 5-8	PTR Contact Motor	F9	1/2
M10	F 4-14	WTL Positioning Motor-Y	F9	1/2
M11	F 4-12	WTL Positioning Motor-M	F9	1/2
M12	F 4-11	WTL Positioning Motor-C	F10	1/2
M13	F 4-10	Polygon Mirror Motor	F9	1/2
M14	F 7-2	Paper Feed Motor: T1	A2	2/2
M15	F 7-3	Paper Feed Motor: T2	A2	2/2
M16	F 5-4	ITB Unit Motor	B3	2/2
M17	F 3-3	Duplex Entrance Motor	A4	2/2
M18	F 3-4	Duplex Exit Motor	A4	2/2
M19	F 3-5	By-pass Motor	A5	2/2
M20	F 9-7	Fusing/ Paper Exit Motor	B7	2/2
M21	F 4-2	Inverter Motor	A9	2/2
M22	F 9-6	Drum Motor: K	F7	2/2
M23	F 9-4	Drum Motor: CMY	F8	2/2
M24	F 9-3	Development Motor: K	F8	2/2
Clutches				
MC1	F 9-5	Development Clutch: K	F8	2/2
Solenoids				
SOL1	F 4-4	Junction Gate Solenoid	A9	2/2
Switches				
SW1	F 2-9	Main Switch	D1	1/2
SW2	F 7-5	Right Lower Door Open Switch	B3	2/2
SW3	F 2-8	Interlock Switch	B5	2/2
SW4	F 3-2	Duplex Unit Open Switch	B6	2/2
SW5	F 6-10	PCU Toner Collection Bottle Set Switch	E4	2/2
SW6	F 7-9	Paper Size Switch: T1	F4	2/2
SW7	F 7-11	Paper Size Switch: T2	F4	2/2
Lamps				
L1	F 1-1	Exposure Lamp	B9	1/2
L2	F 8-4	Heating Roller Fusing Lamp:	E1	2/2
L3	F 8-4	Heating Roller Fusing Lamp:	E2	2/2
L4	F 8-5	Pressure Roller Fusing Lamp	E2	2/2

Symbol	Index No.	Description	P to P	Page
Sensors				
S1	F 1-7	Original Length Sensor 1	C9	1
S2	F 1-8	Original Length Sensor 2	C9	1
S3	F 1-2	Scanner HP Sensor	C9	1
S4	F 1-5	Platen Cover Sensor	C9	1
S5	F 5-7	ID Sensor	A1	2
S6	F 7-4	Registration Sensor	A1	2
S7	F 5-6	Fusing Entrance Sensor	A1	2
S8	F 7-8	Paper End Sensor: T1	A2	2
S9	F 7-10	Paper End Sensor: T2	A2	2
S10	F 7-6	Vertical Transport Sensor 1	B2	2
S11	F 7-7	Vertical Transport Sensor 2	A3	2
S12	F 5-5	ITB Rotation Sensor	B3	2
S13	F 3-7	By-pass Paper Size Sensor	A4	2
S14	F 3-6	By-pass Paper Length Sensor	A5	2
S15	F 3-9	By-pass Paper End Sensor	A5	2
S16	F 3-8	By-pass HP Sensor	A5	2
S17	F 3-1	Duplex Entrance Sensor	A5	2
S18	F 3-10	Duplex Exit Motor	A5	2
S19	F 5-9	PTR Contact Sensor	B6	2
S20	F 5-3	ITB Contact Sensor	B6	2
S21	F 6-5	Toner End Sensor: Y	A7	2
S22	F 6-7	Toner End Sensor: M	A7	2
S23	F 6-6	Toner End Sensor: C	A7	2
S24	F 6-11	Toner End Sensor: K	A7	2
S25	F 4-5	Inverter Sensor	A9	2
S26	F 4-6	Fusing Exit Sensor	A10	2
S27	F 4-1	Paper Exit Sensor	A10	2
S28	F 8-2	Thermopile	F3	2
S29	F 5-1	ITB Toner Collection Bottle Full Sensor	E4	2
S30	F 6-8	PCU Toner Collection Bottle Full Sensor	E4	2
S31	F 8-12	TD Sensor: Y	E5	2
S32	F 8-11	TD Sensor: M	E5	2
S33	F 8-10	TD Sensor: C	E6	2
S34	F 8-9	TD Sensor: K	E6	2
S35	F 9-1	Drum Phase Sensor: K	F6	2
S36	F 9-2	Drum Phase Sensor: CMY	F7	2
S37	F 2-3	Temperature/Humidity Sensor	F9	2
FANs				
FAN1	F 2-4	PSU Fan 1	C1	1
FAN2	F 2-5	PSU Fan 2	D1	1
FAN3	F 2-7	Laser Unit Fan	F7	1
FAN4	F 2-11	Ventilation Fan: Front	F8	1
FAN5	F 2-12	Ventilation Fan: Rear	F8	1
FAN6	F 2-2	Fusing Rear Fan	F9	1
FAN7	F 2-10	Fusing Front Fan	F9	1
FAN8	F 2-1	Controller Box Fan	B10	2
FAN9	F 4-3	Junction Gate Fan	B10	2
Others				
TS1	F 8-3	Thermostat - Heating Roller	E2	2
TS2	F 8-6	Thermostat - Pressure Roller	E2	2
TH1	F 8-1	Thermistor - Heating Roller	E2	2
TH2	F 8-8	Thermistor - Pressure Roller: End	E3	2
TH3	F 8-7	Thermistor - Pressure Roller: Cen	E3	2
HDD1	F 10-3	HDD	A10	1
CC1	F 10-4	Choke Coil (EU only)	D1	1

Symbol	Index No.	Description	P to P	Page
PCBs				
PCB1	F 10-5	PSU	C2	1/2
PCB2	F 10-7	i-Controller	B4	1/2
PCB3	F 10-8	BCU	C6	1/2
PCB4	F 1-10	OPU	B6	1/2
PCB5	F 1-10	LCDC	B7	1/2
PCB6		OP-L	B7	1/2
PCB7		OP-R	B7	1/2
PCB8		Inverter:TFF	B7	1/2
PCB9	F 1-6	SBU	B8	1/2
PCB10	F 1-4	Lamp Stabilizer	C9	1/2
PCB11	F 4-13	Laser Synchronizing Detector -	F9	1/2
PCB12	F 4-7	Laser Synchronizing Detector -	F9	1/2
PCB13	F 4-8	LDB: KC	G9	1/2
PCB14	F 4-9	LDB: YM	G9	1/2
PCB15	F 6-12	RFID-RW	B6	2/2
PCB16	F 10-1	HVPS: TTS	D7	2/2
PCB17	F 10-2	HVPS: CB	D8	2/2
Heaters				
H1	F 2-6	Tray Heater (Option)	B1	1/2
H2	F 1-3	Anti-condensation Heater - Scanner (Option)	B1	1/2
H3	-	Optional Tray Heater (Option)	C1	1/2
Counters				
C1	F 10-6	Mechanical Counter: K	D2	2
C2		Mechanical Counter: FC	D2	2
C3		Key Counter	D2	2

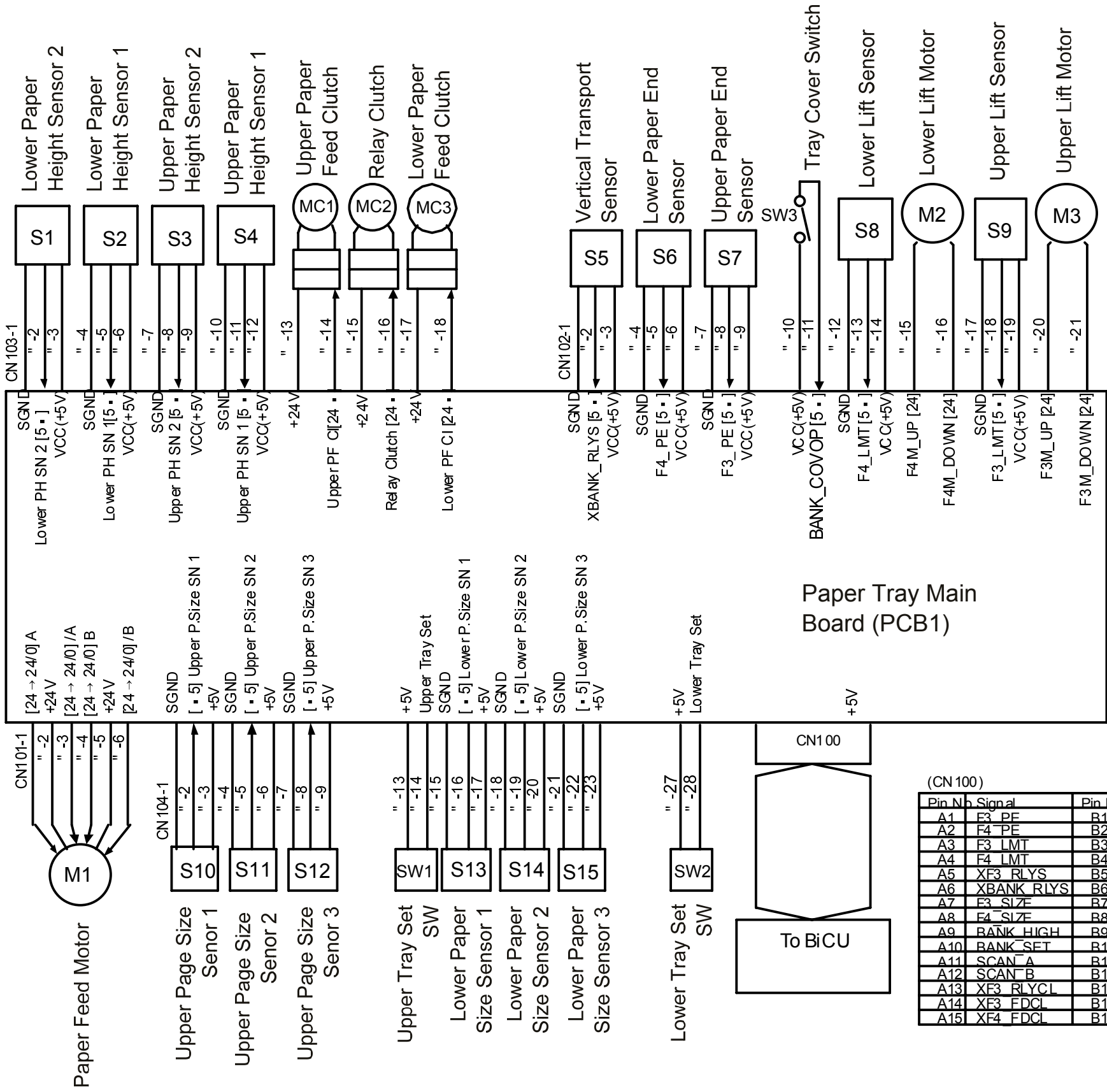


ARDF(B789/D366) ELECTRICAL COMPONENT LAYOUT



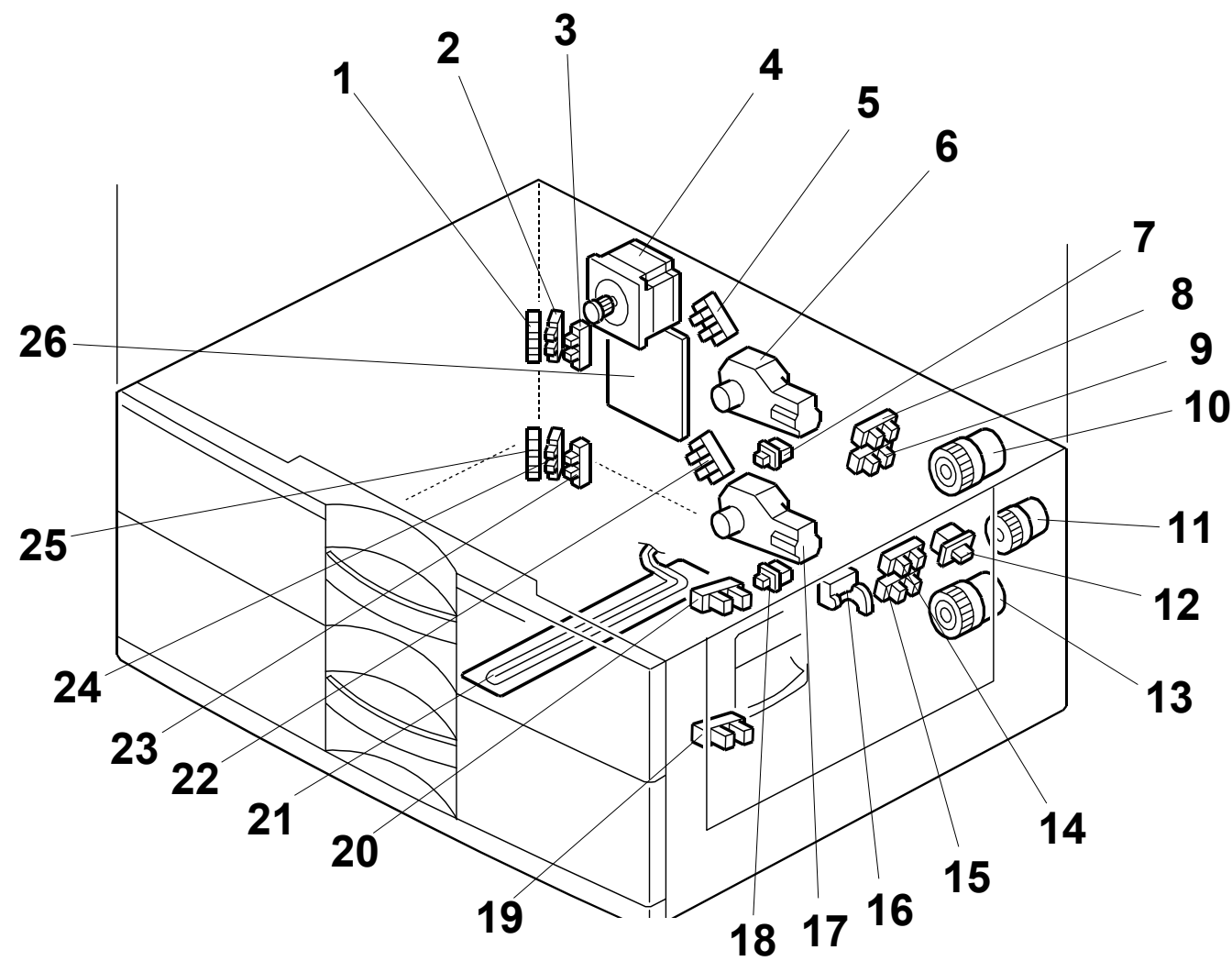
Symbol	Name	Index No.	P-to-P
Motors			
M1	Transport	15	I6
M2	Feed	19	I4
Sensors			
S1	Original Width S	4	A4
S2	Original Width M	3	A4
S3	Original Width L	2	A4
S4	Original Width LL	1	A4
S5	Skew Correction	5	A3
S6	Exit	9	A3
S7	Original Set	8	A3
S8	Registration	6	A2
S9	DF Position	14	A2
S10	Cover	7	A1
S11	Original	10	I3
S12	Original Length L	13	I2
S13	Original Length M	12	I2
S14	Original Length S	11	I2
Solenoids			
SOL1	Pick-up	17	H4
SOL2	Inverter	18	H3
SOL3	Stamp	21	H5
Magnetic Clutches			
MC1	Feed	16	H5
PCBs			
PCB1	Main Board	20	E1-6

D331 POINT TO POINT DIAGRAM



(CN 100)			
Pin No.	Signal	Pin No.	Signal
A1	F3 PE	B1	F3M UP
A2	F4 PE	B2	F3M DN
A3	F3 LMT	B3	F4M UP
A4	F4 LMT	B4	F4M DN
A5	XF3 RLYS	B5	XBANK MON
A6	XBANK RLYS	B6	High spd
A7	F3 SIZE	B7	XBANK_MLD
A8	F4 SIZE	B8	+5V
A9	BANK_HIGH	B9	GND
A10	BANK_SET	B10	+24V
A11	SCAN_A	B11	+24V
A12	SCAN_B	B12	+24V
A13	XF3 RLYCL	B13	GND
A14	XF3 FDCL	B14	GND
A15	XF4 FDCL	B15	GND

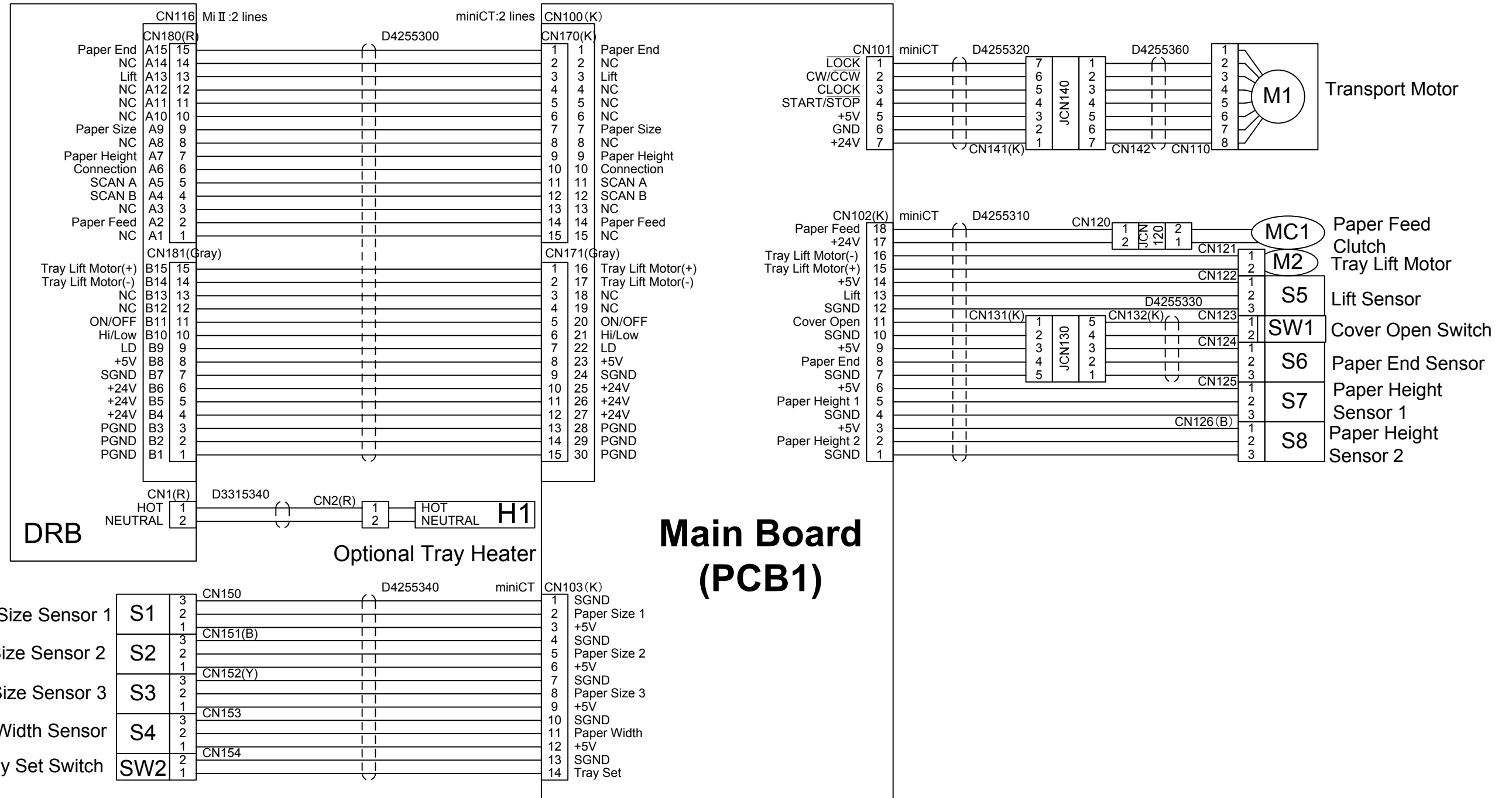
D331 ELECTRICAL COMPONENT LAYOUT



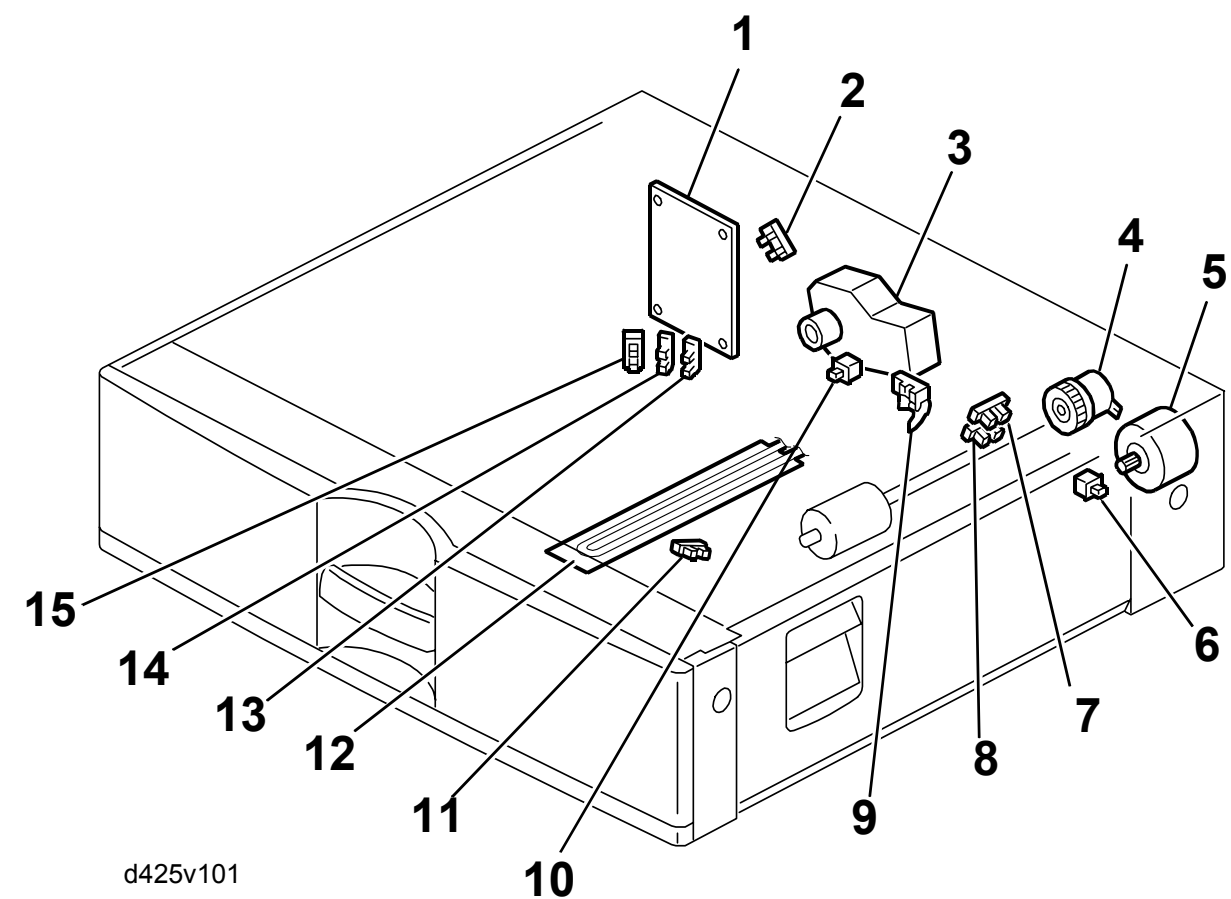
d331v102a

Symbol	Index No.	Description	P to P
Motors			
M1	4	Paper Feed	E6
M2	17	Lower Lift	D8
M3	6	Upper Lift	D8
Sensors			
S1	15	Lower Paper Height 2	D6
S2	14	Lower Paper Height 1	D6
S3	9	Upper Paper Height 2	D6
S4	8	Upper Paper Height 1	D7
S5	16	Vertical Transport	D7
S6	19	Lower Paper End	D7
S7	20	Upper Paper End	D8
S8	21	Lower Lift	D8
S9	5	Upper Lift	D8
S10	1	Upper Paper Size 1	E6
S11	2	Upper Paper Size 2	E7
S12	3	Upper Paper Size 3	E7
S13	24	Lower Paper Size 1	E7
S14	23	Lower Paper Size 2	E7
S15	22	Lower Paper Size 3	E7
Switches			
SW1	7	Upper Tray Set	E7
SW2	18	Lower Tray Set	E7
SW3	12	Tray Cover	D8
Magnetic Clutches			
MC1	10	Upper Paper Feed	D7
MC2	11	Relay	D7
MC3	13	Lower Paper Feed	D7
PCB			
PCB1	25	Paper Tray Main	E6-8

D425 POINT TO POINT DIAGRAM



D425 ELECTRICAL COMPONENT LAYOUT



Symbol	Index No.	Description	P to P
Motors			
M1	5	Transport Motor	B9
M2	3	Tray Lift Motor	C9
Clutches			
MC1	4	Paper Feed	C9
Switches			
SW1	6	Cover Open	D9
SW2	10	Tray Set	F3
PCBs			
PCB1	1	Main Board	E6
Heaters			
H1	12	Optional Tray Heater	E4
Sensors			
S1	15	Paper Size 1	E3
S2	14	Paper Size 2	E3
S3	13	Paper Size 3	F3
S4	9	Paper Width	F3
S5	2	Lift	C9
S6	11	Paper End	D9
S7	7	Paper Height 1	D9
S8	8	Paper Height 2	D9

D426 POINT TO POINT DIAGRAM

The diagram illustrates the point-to-point connections for the D426 system, involving three main components: the Junction Gate Unit, the 1-Bin Tray Control Board (PCB1), and the LED Board.

Junction Gate Unit:

- Pin 1: +5V
- Pin 2: +5VE
- Pin 3: SGND
- Pin 4: Connect Sensor
- Pin 5: Paper Sensor
- Pin 6: 1-Bin Tray Exit Sensor
- Pin 7: Inverter Motor

1-Bin Tray Control Board (PCB1):

- Pin 1: +5V
- Pin 2: +5VE
- Pin 3: SGND
- Pin 4: Connect Sensor
- Pin 5: Paper Sensor
- Pin 6: 1-Bin Tray Exit Sensor
- Pin 7: Inverter Motor

LED Board:

- Pin 1: Anode
- Pin 2: LED

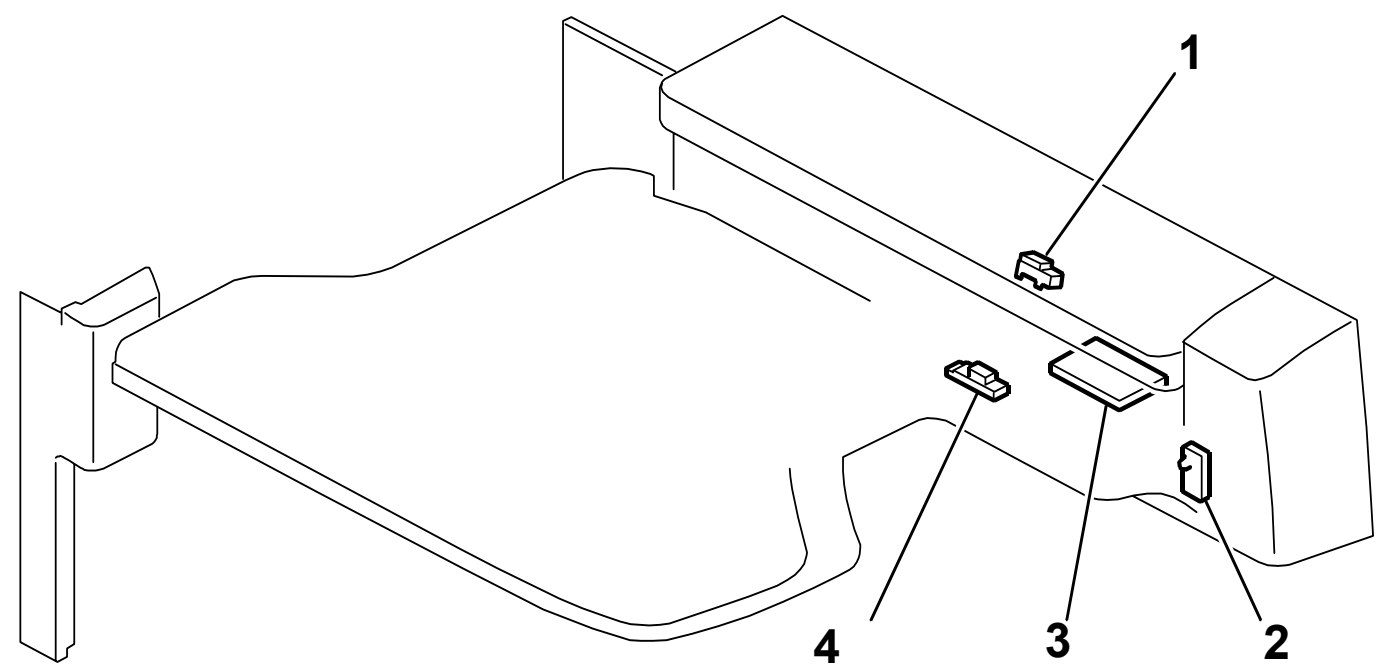
Connectors and Harnesses:

- CN550 (AMP CT 7P):** Connects the Junction Gate Unit to the 1-Bin Tray Control Board (PCB1).
- CN500 (MINI CT 7P):** Connects the 1-Bin Tray Control Board (PCB1) to the LED Board.
- CN501 (MINI CT 2P):** Connects the LED Board to the 1-Bin Tray Control Board (PCB1).
- CN551 (AMP MINI CT 2P):** Connects the LED Board to the 1-Bin Tray Control Board (PCB1).
- CN502 (AMP MINI CT 6P):** Connects the 1-Bin Tray Control Board (PCB1) to the Paper Sensor (S1) and 1-Bin Tray Exit Sensor (S2).
- CN552 (AMP CT(B) 3P):** Connects the Paper Sensor (S1) to the 1-Bin Tray Control Board (PCB1).
- CN553 (AMP CT 3P):** Connects the 1-Bin Tray Exit Sensor (S2) to the 1-Bin Tray Control Board (PCB1).

Signal Paths:

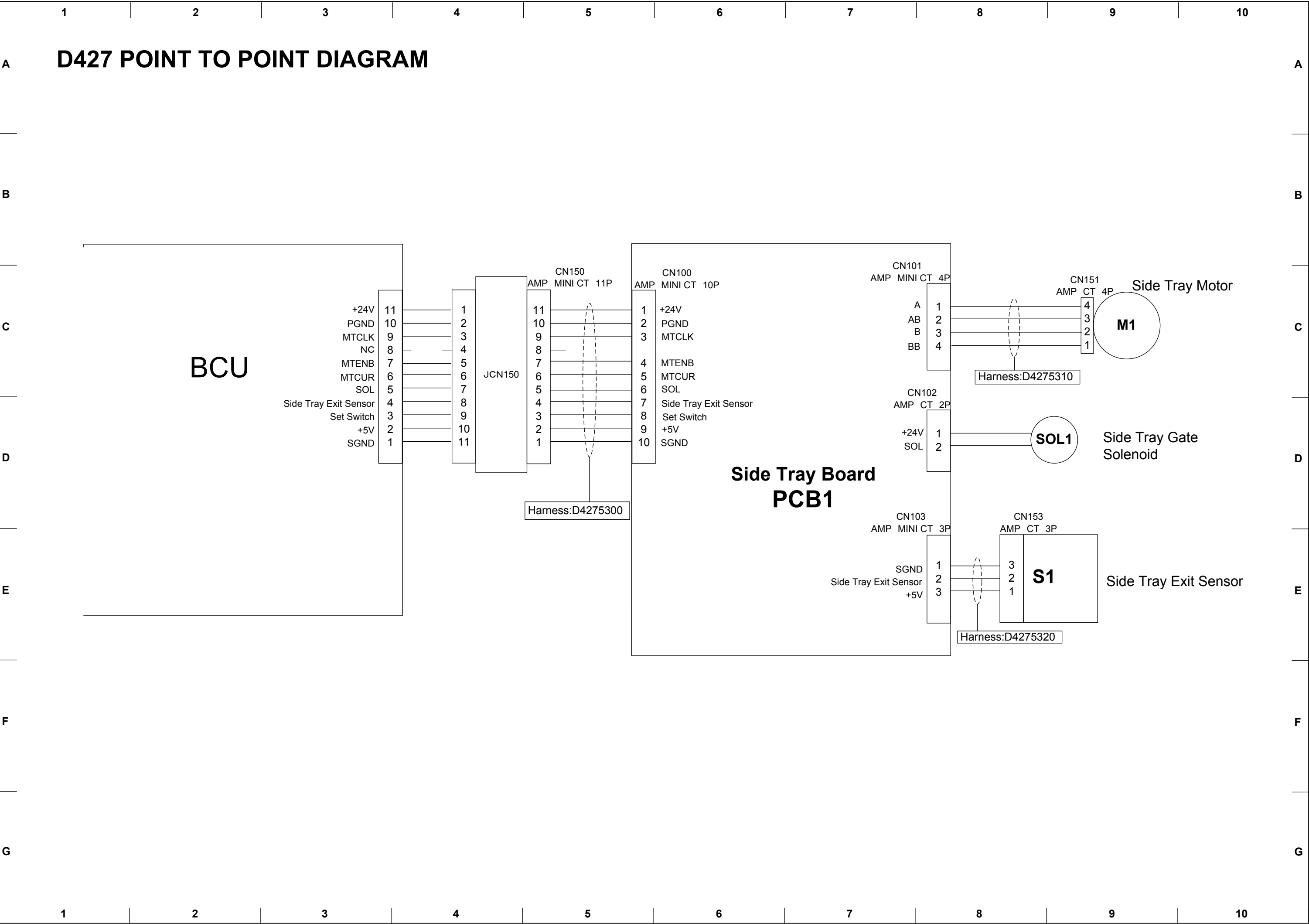
- The Junction Gate Unit is connected to the 1-Bin Tray Control Board (PCB1) via the CN550 connector.
- The 1-Bin Tray Control Board (PCB1) is connected to the LED Board via the CN500 and CN501 connectors.
- The 1-Bin Tray Control Board (PCB1) is connected to the Paper Sensor (S1) and 1-Bin Tray Exit Sensor (S2) via the CN502 connector.
- The Paper Sensor (S1) and 1-Bin Tray Exit Sensor (S2) are connected to the 1-Bin Tray Control Board (PCB1) via the CN552 and CN553 connectors, respectively.

D426 ELECTRICAL COMPONENT LAYOUT

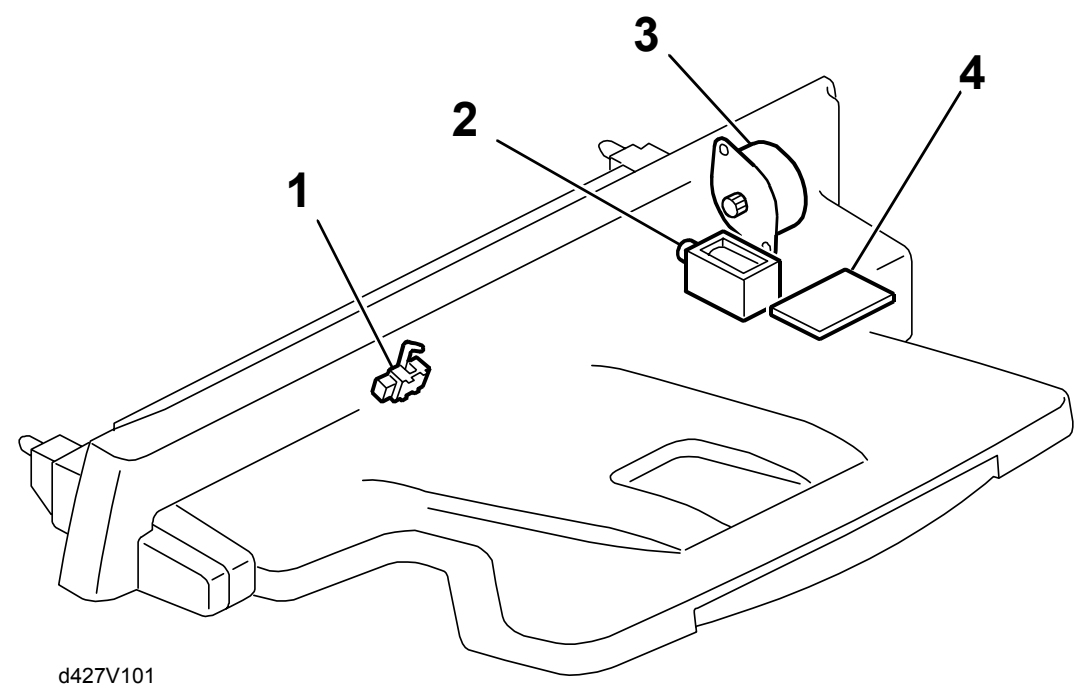


d426V101

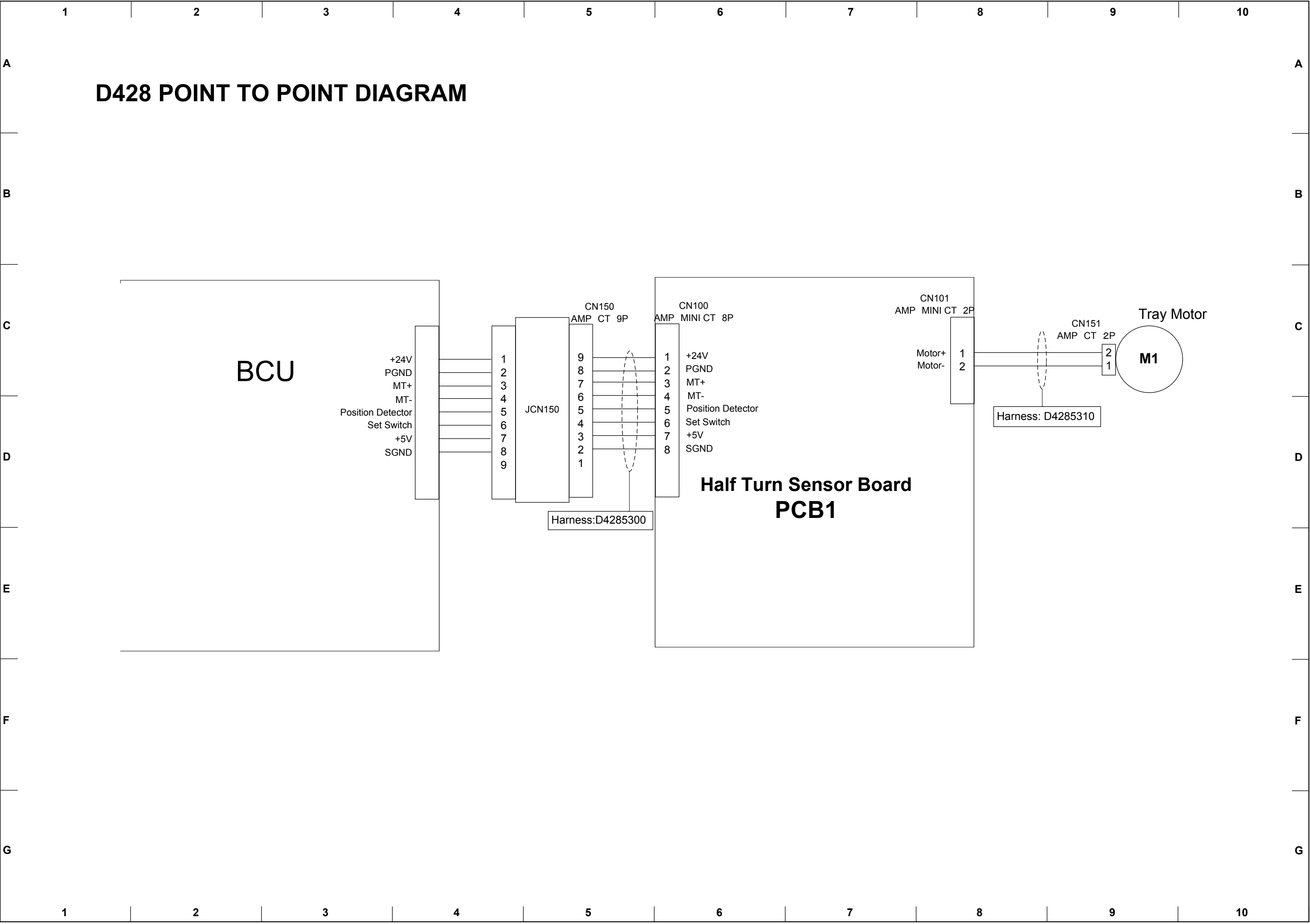
Symbol	Index No.	Description	P to P
PCBs			
PCB1	2	1-Bin Tray Control Board	D7
PCB2	3	LED Board	C9
Sensors			
S1	4	Paper Sensor	D9
S2	1	1-Bin Tray Exit Sensor	E9



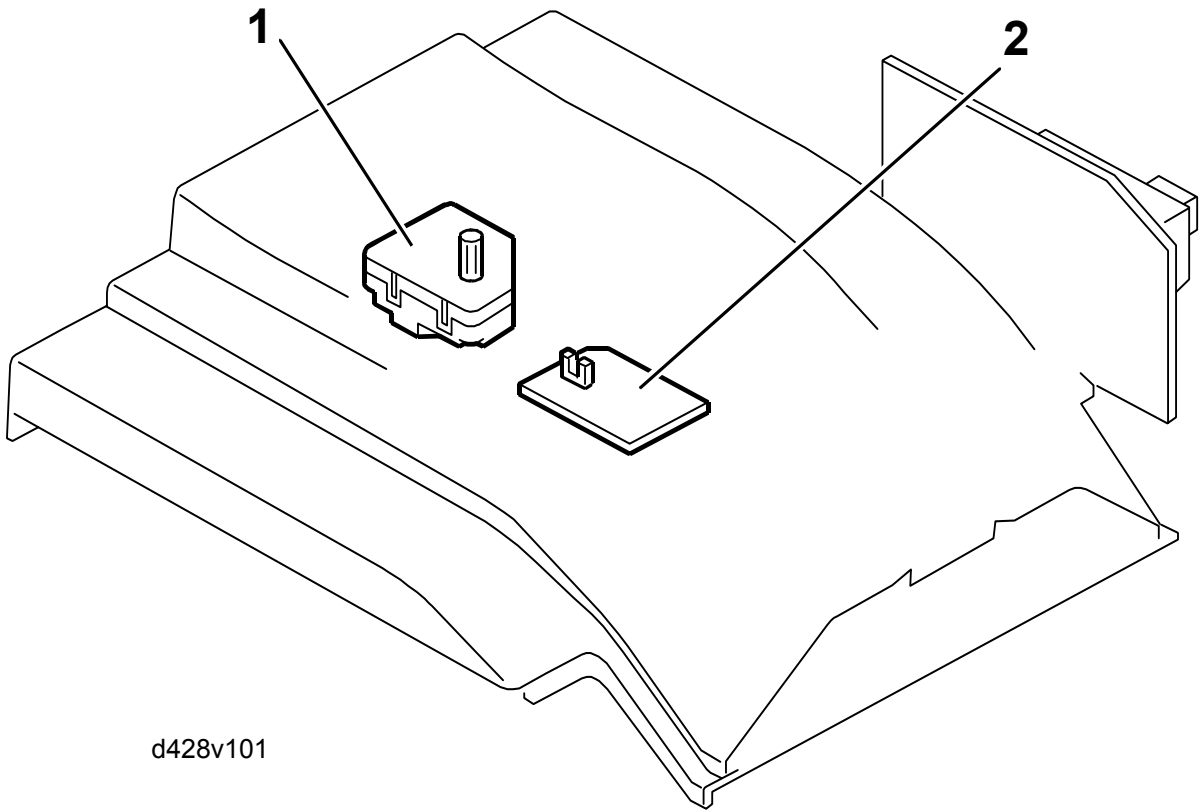
D427 ELECTRICAL COMPONENT LAYOUT



Symbol	Index No.	Description	P to P
Motors			
M1	3	Side Tray Motor	C9
Solenoid			
SOL1	2	Side Tray Gate Solenoid	D9
PCBs			
PCB1	4	Side Tray Board	D6
Sensors			
S1	1	Side Tray Exit Sensor	E9



D428 ELECTRICAL COMPONENT LAYOUT



d428v101

Symbol	Index No.	Description	P to P
Motors			
M1	1	Tray Motor	C9
PCBs			
PCB1	2	Half Turn Sensor Board	D7

D429 POINT TO POINT DIAGRAM

The diagram illustrates the electrical connections for the D429 printer, organized into a grid with columns 1-10 and rows A-G.

Main Board (PCB1) Connections:

- Power supply:** +24V, +24V2, +24V3, +24V4, +24V5, +24V6, +24V7, +24V8, +24V9, +24V10, +24V11, +24V12, +24V13, +24V14, +24V15, +24V16, +24V17, +24V18, +24V19, +24V20, +24V21, +24V22, +24V23, +24V24, +24V25, +24V26, +24V27, +24V28, +24V29, +24V30, +24V31, +24V32, +24V33, +24V34, +24V35, +24V36, +24V37, +24V38, +24V39, +24V40, +24V41, +24V42, +24V43, +24V44, +24V45, +24V46, +24V47, +24V48, +24V49, +24V50, +24V51, +24V52, +24V53, +24V54, +24V55, +24V56, +24V57, +24V58, +24V59, +24V60, +24V61, +24V62, +24V63, +24V64, +24V65, +24V66, +24V67, +24V68, +24V69, +24V70, +24V71, +24V72, +24V73, +24V74, +24V75, +24V76, +24V77, +24V78, +24V79, +24V80, +24V81, +24V82, +24V83, +24V84, +24V85, +24V86, +24V87, +24V88, +24V89, +24V90, +24V91, +24V92, +24V93, +24V94, +24V95, +24V96, +24V97, +24V98, +24V99, +24V100.
- Interface:** RXD, TXD, SGND, N.C.
- Unit open switch:** SW1
- Stapler unit HP sensor:** S3
- Pick-up roller HP sensor:** S1
- Stack height sensor 1:** S5
- Stack height sensor 2:** S6
- Jogger unit paper sensor:** S9
- Front jogger fence HP sensor:** S10
- Rear jogger fence HP sensor:** S11
- Relay sensor:** S13
- Belt roller position sensor:** S4
- Inverter roller solenoid:** SOL5
- Inverter junction gate solenoid:** SOL4
- Entrance sensor:** S12
- Tray upper limit sensor:** S7
- Tray lower limit sensor:** S8
- Output tray motor:** M6
- Belt roller solenoid:** SOL1
- Stack height level solenoid:** SOL3
- Paddle roller solenoid:** SOL2

Punch Control Board (PCB2) Connections:

- Power supply:** +5V, SGND, PULS
- Slider plate HP sensor:** S16
- Slider plate rear position sensor:** S14
- Registration HP sensor:** S18
- Punch motor:** M9
- Registration motor:** M10
- Paper edge and size sensors (receptor):** S15-2
- Paper edge and size sensors (emitter):** S15-1

Stapler Unit Connections:

- Stapler safety sensor:** S2
- Stapler motor:** M3

Other Components:

- Front fan:** FAN1
- Stapler Unit Movement Motor:** M1
- Front Jogger motor:** M7
- Rear Jogger motor:** M8
- Pick-Up Roller Contact Motor:** M2
- Paper transport motor:** M5
- Feed motor:** M4

The diagram shows the wiring for various sensors, motors, and solenoids, including their pin connections and power supply lines. The connections are color-coded: red for power, green for ground, and blue for data.

D429/D390 ELECTRICAL COMPONENT LAYOUT

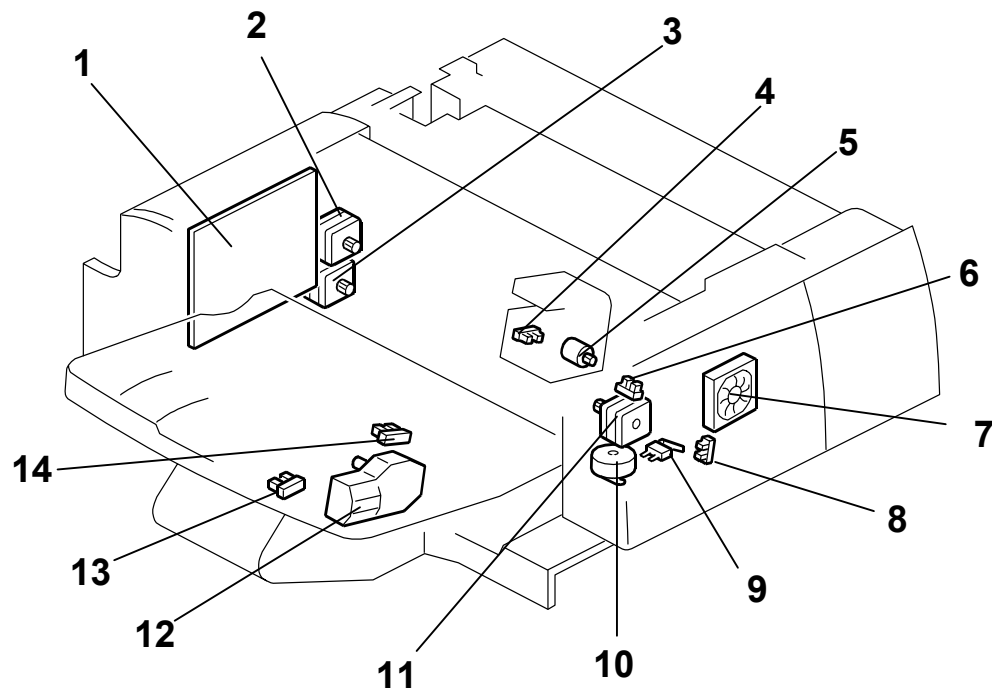


Fig 1

d429v201

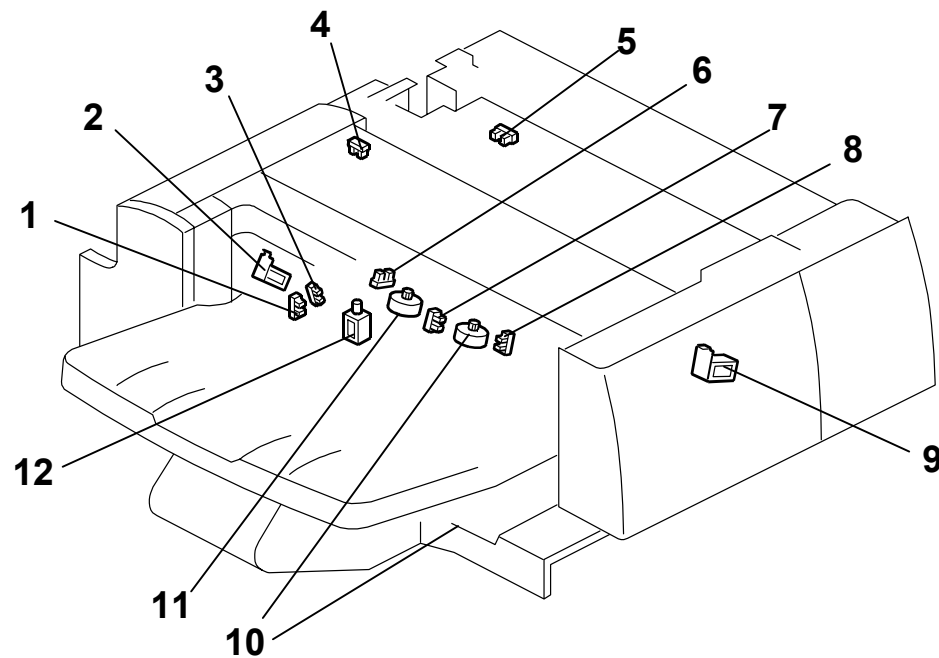


Fig 2

d429v202

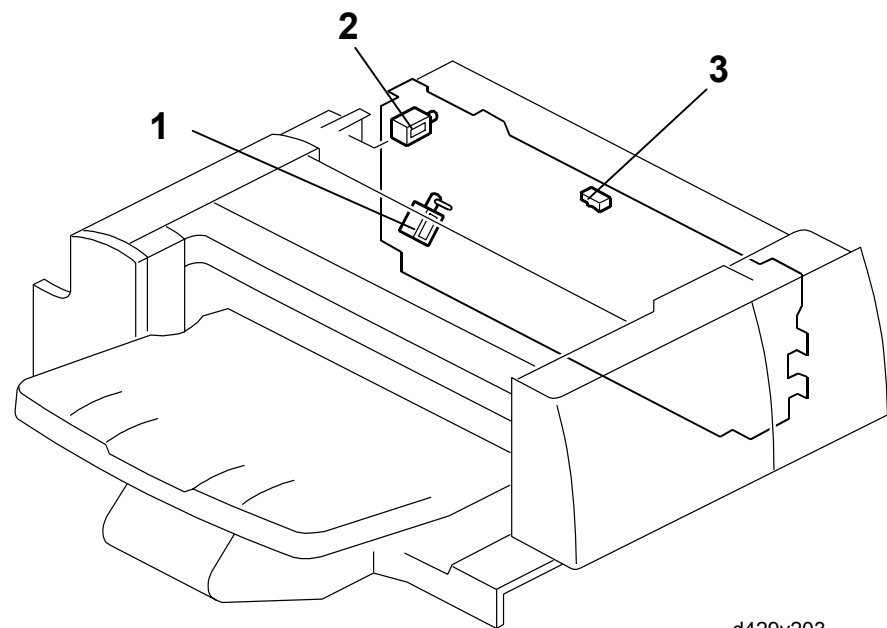


Fig 3

d429v203

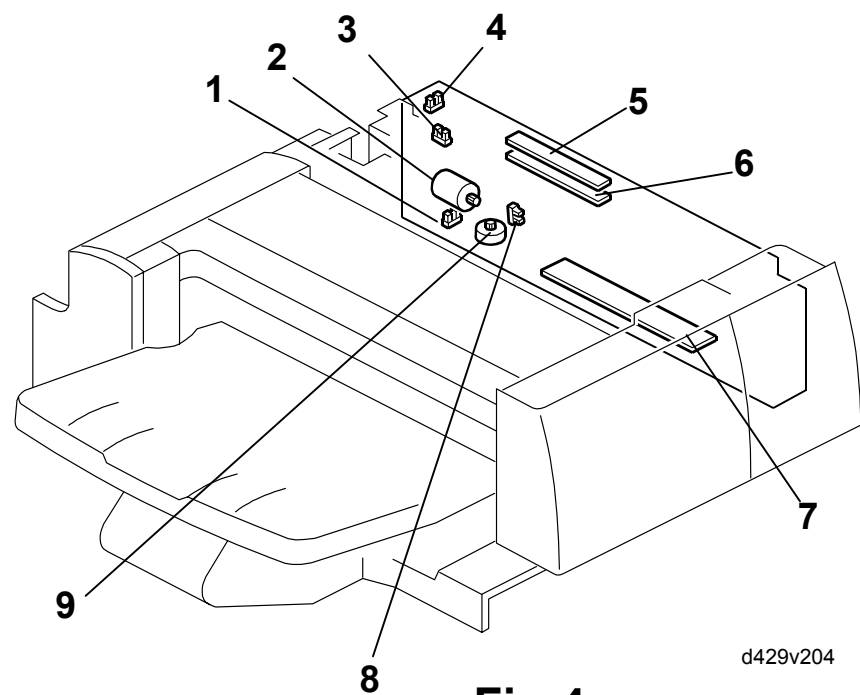


Fig 4

d429v204

Symbol	Index No.	Description	P to P
Motors			
M1	F 1-10	Stapler Unit Movement Motor	E7
M2	F 1-11	Pick-Up Roller Contact Motor	F7
M3	F 1-5	Stapler Motor	D7
M4	F 1-2	Feed Motor	G7
M5	F 1-3	Paper Transport Motor	G7
M6	F 1-12	Output Tray Motor	F7
M7	F 2-10	Front Jogger Motor	E7
M8	F 2-11	Rear Jogger Motor	F7
Sensors			
S1	F 1-6	Pick-up Roller HP Sensor	C2
S4	F 2-4	Belt Roller Position Sensor	D2
S2	F 1-4	Stapler Safety Sensor	D7
S5	F 2-3	Stack Height Sensor 1	C2
S6	F 2-1	Stack Height Sensor 2	C2
S7	F 1-14	Tray Upper Limit Sensor	E2
S8	F 1-13	Tray Lower Limit Sensor	E2
S9	F 2-7	Jogger Unit Paper Sensor	C2
S10	F 2-8	Front Jogger Fence HP Sensor	C2
S11	F 2-6	Rear Jogger Fence HP Sensor	D2
S3	F 1-8	Stapler Unit HP Sensor	B2
S12	F 3-3	Entrance Sensor	E2
S13	F 2-5	Relay Sensor	D2
Switches			
SW1	F 1-9	Unit Open Switch	B2
Solenoids			
SOL1	F 2-9	Belt Roller Solenoid	F2
SOL2	F 2-12	Paddle Roller Solenoid	G2
SOL3	F 2-2	Stack Height Lever Solenoid	F2
SOL4	F 3-2	Inverter Junction Gate Solenoid	E2
SOL5	F 3-1	Inverter Roller Solenoid	D2
PCB			
PCB1	F 1-1	Main Board	A4
FAN			
FAN1	F 1-7	Front Fan	E7

Symbol	Index No.	Description	P to P
Sensors			
S14	F 4-4	Slider Plate Rear Position Sensor	B9
S15-1	F 4-5	Paper Edge and Size Sensors (Receptor)	C10
S15-2	F 4-6	Paper Edge and Size Sensors (Emitter)	D10
S16	F 4-7	Punch Full Sensor	A9
S17	F 4-3	Slider Plate HP Sensor	A9
S18	F 4-1	Registration HP Sensor	B9
Motors			
M9	F 4-2	Punch Motor	B9
M10	F 4-9	Registration Motor	B9
PCB			
PCB2	F 4-8	Punch Control Board	B7