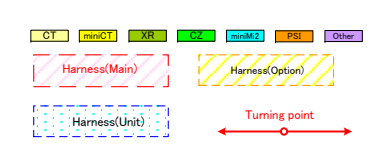
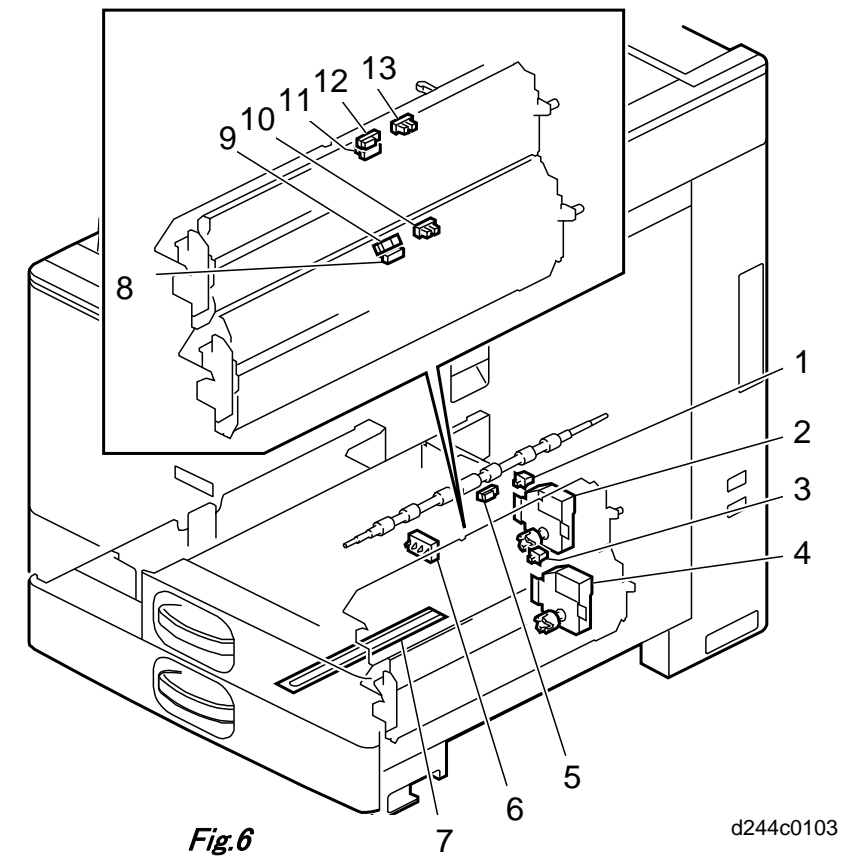
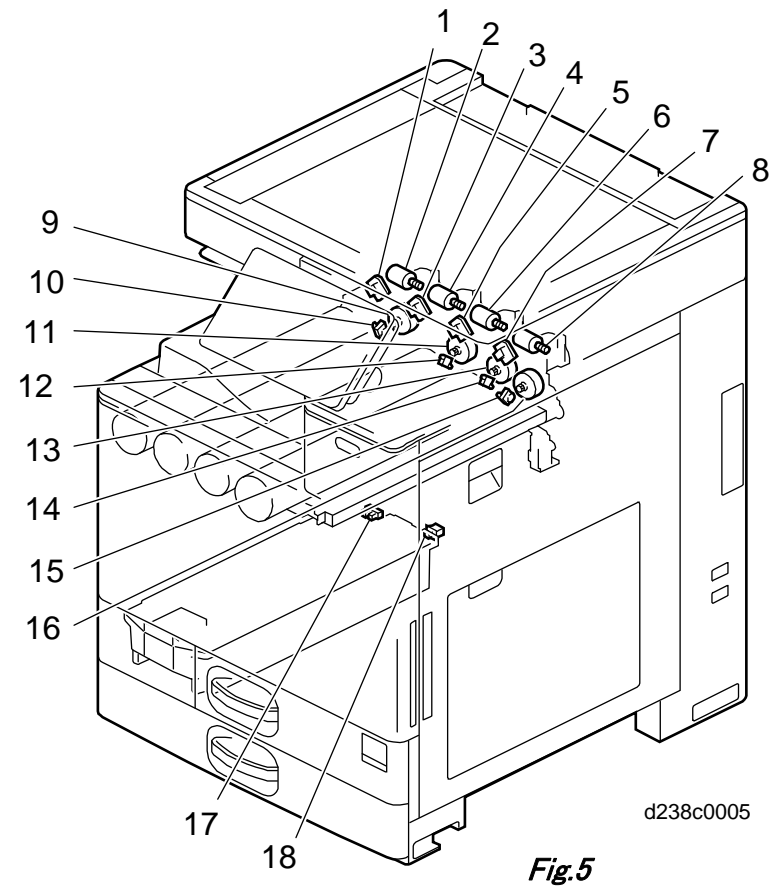
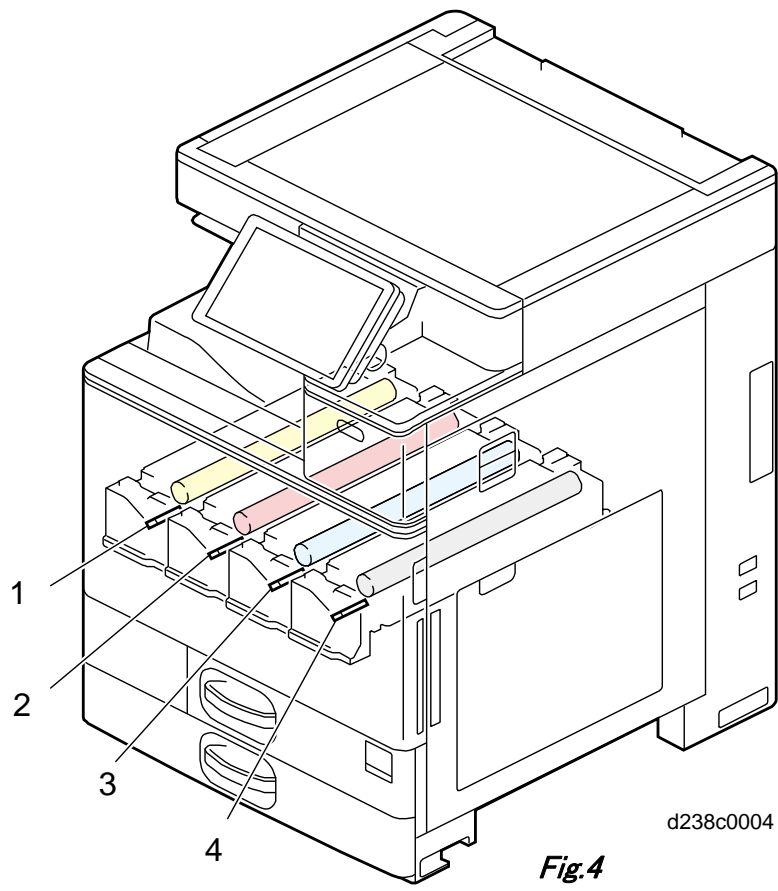
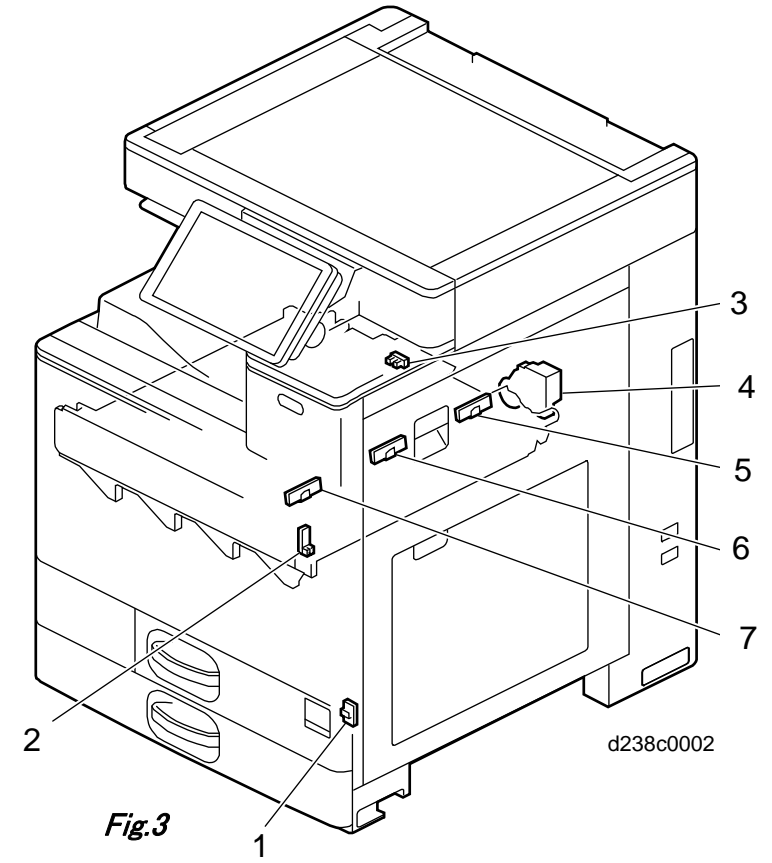
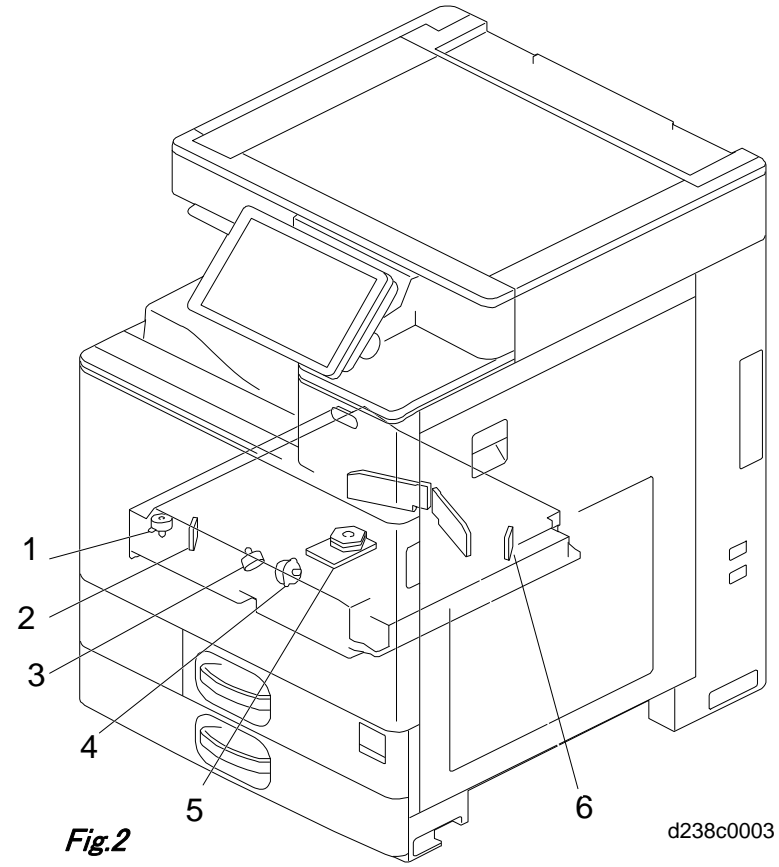
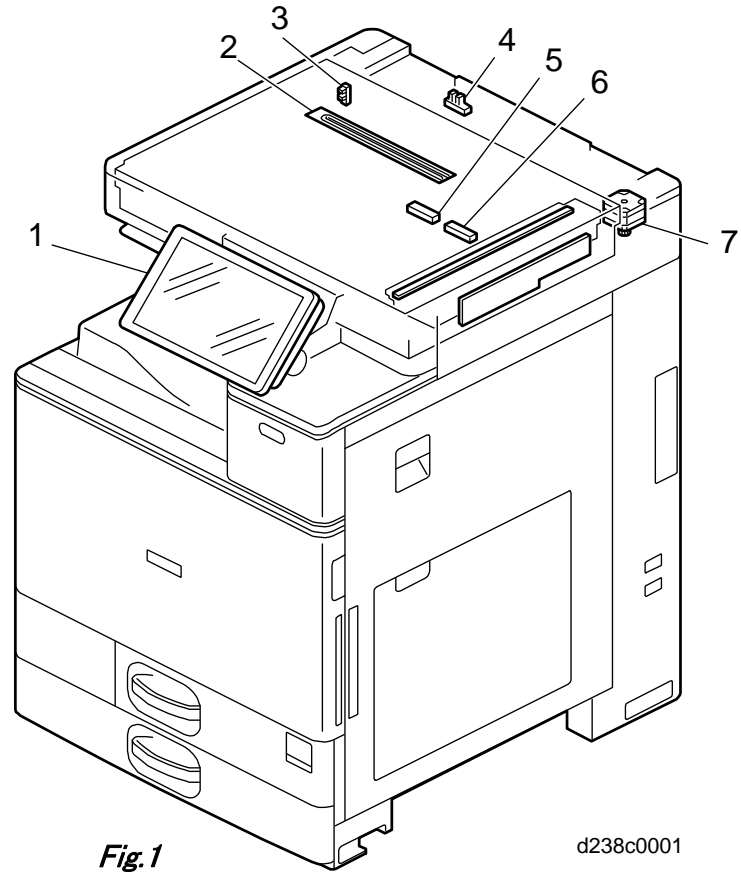


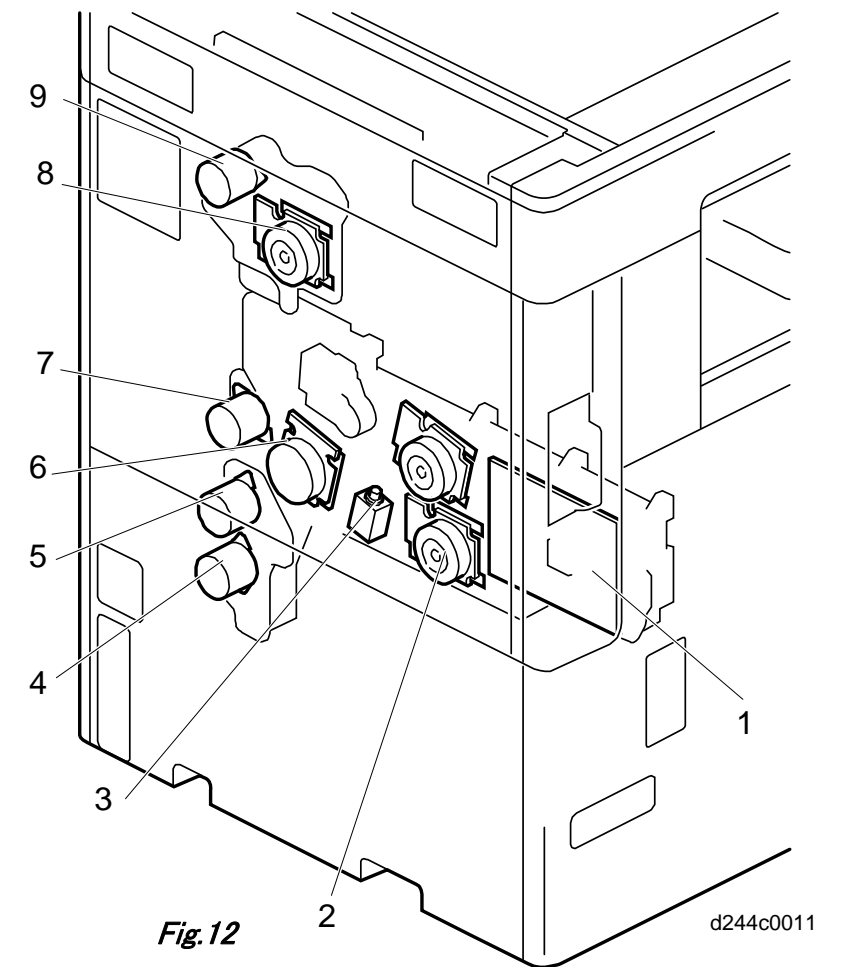
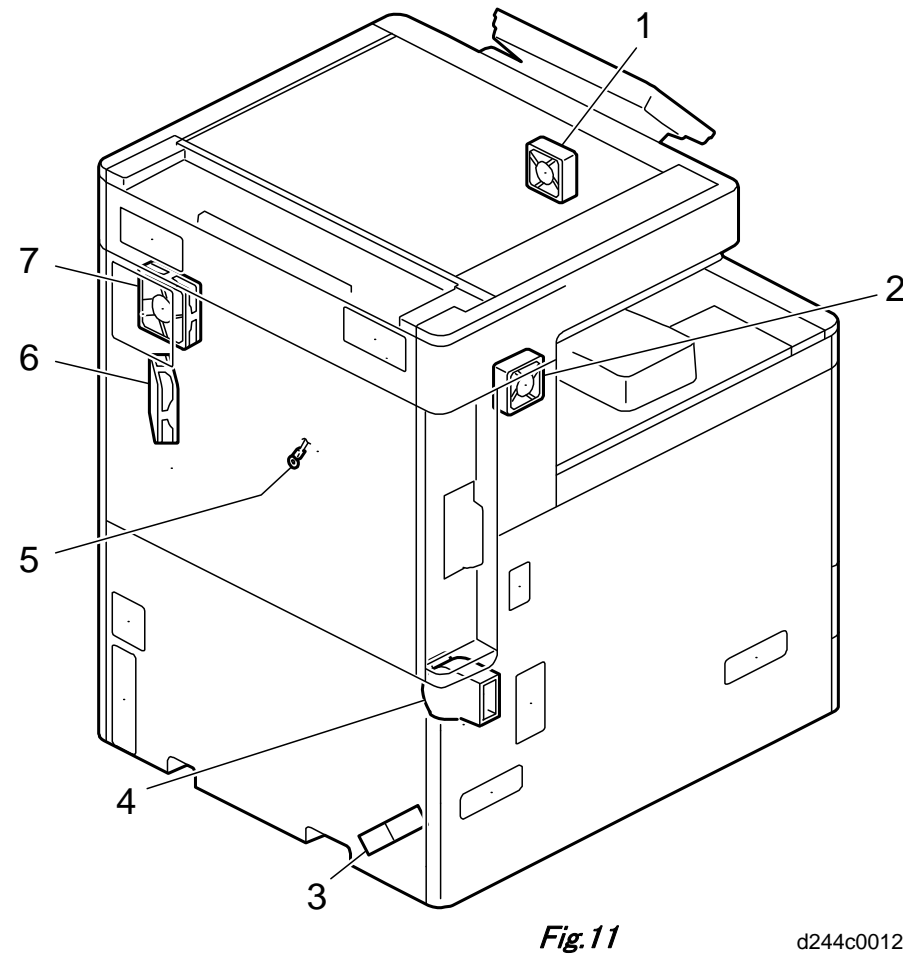
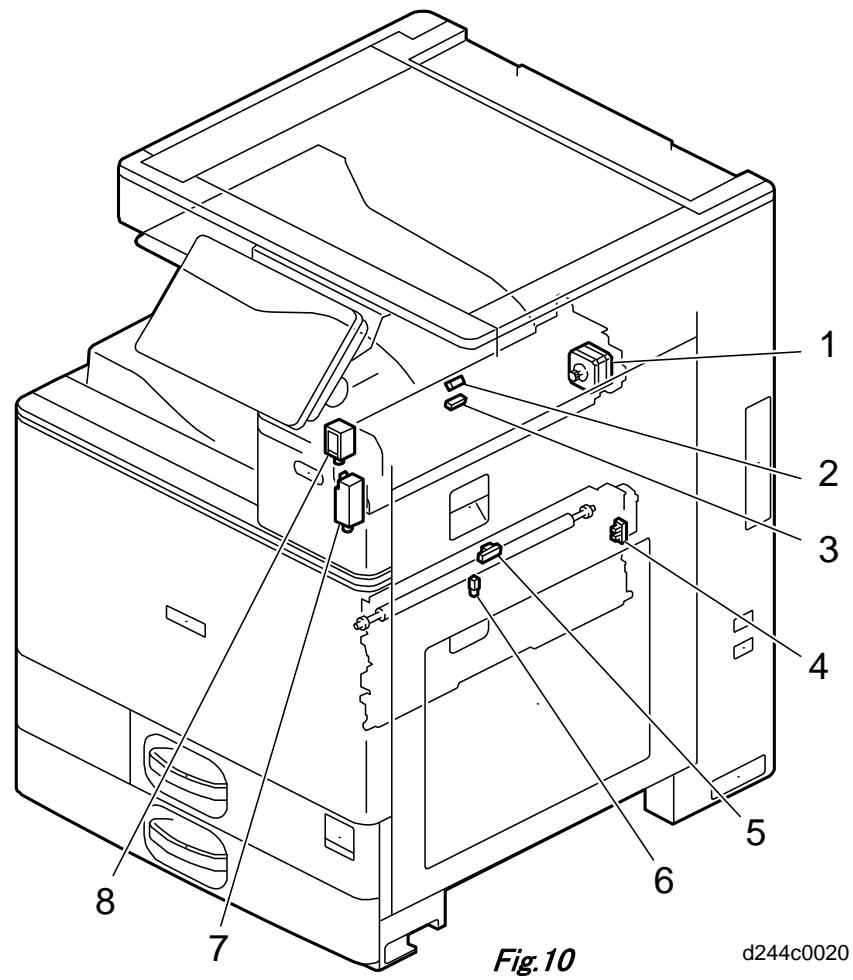
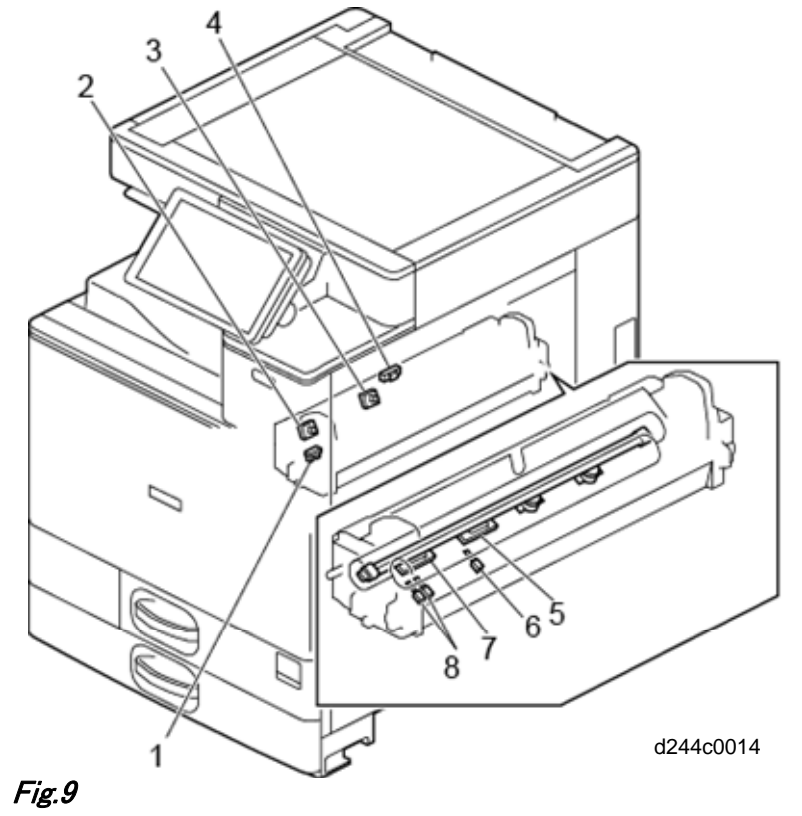
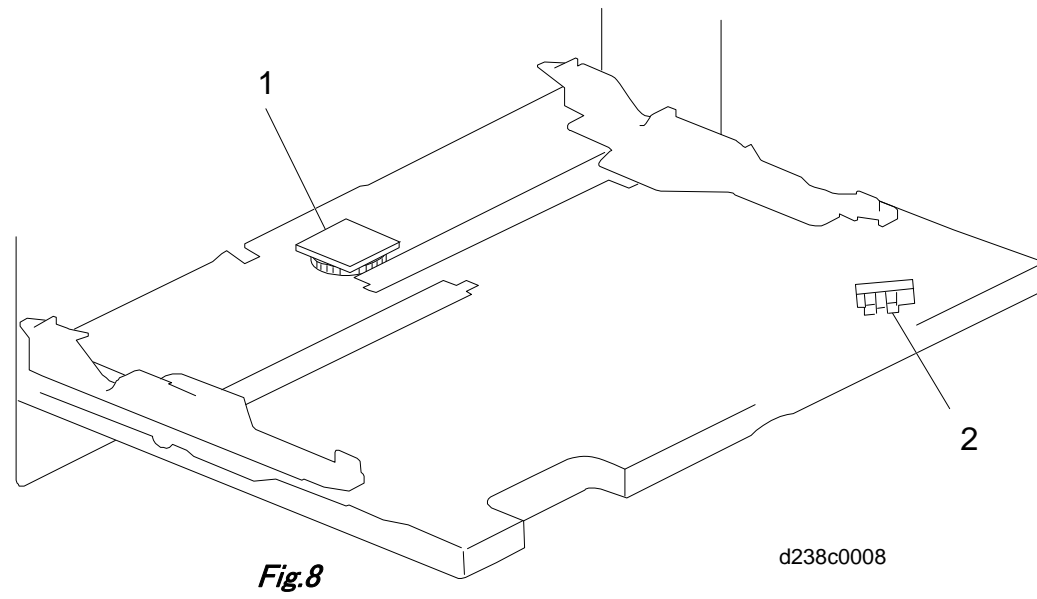
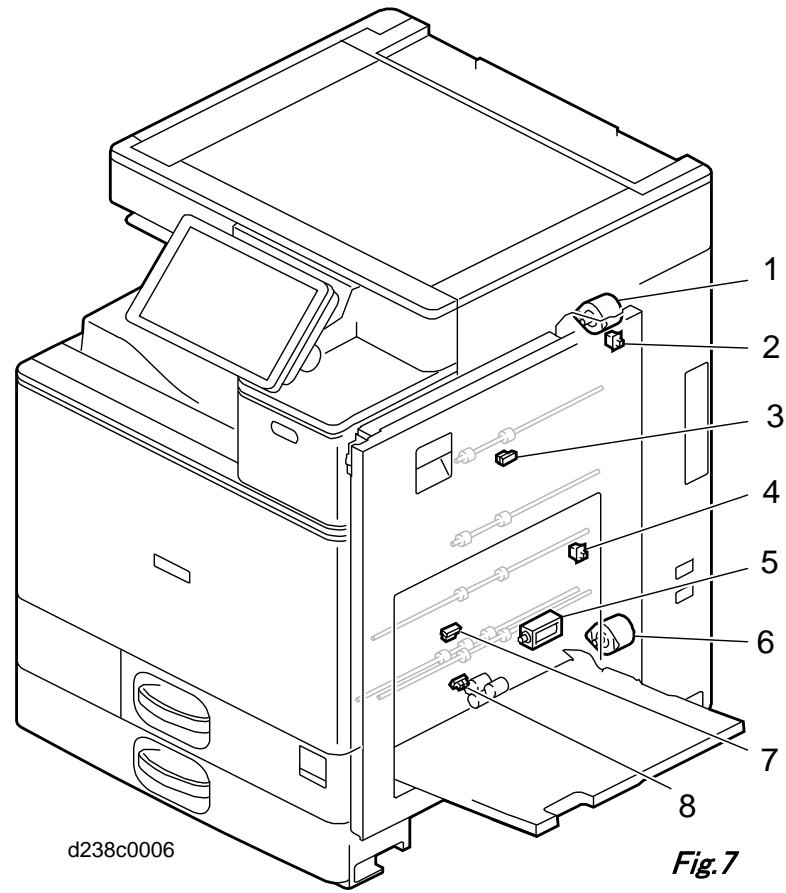
**D243/D244
POINT TO POINT DIAGRAM
(1 / 2)**



D243/ D244 ELECTRICAL COMPONENT LAYOUT(1/3)



D243/ D244 ELECTRICAL COMPONENT LAYOUT(2/3)



D243/ D244 ELECTRICAL COMPONENT LAYOUT(3/3)

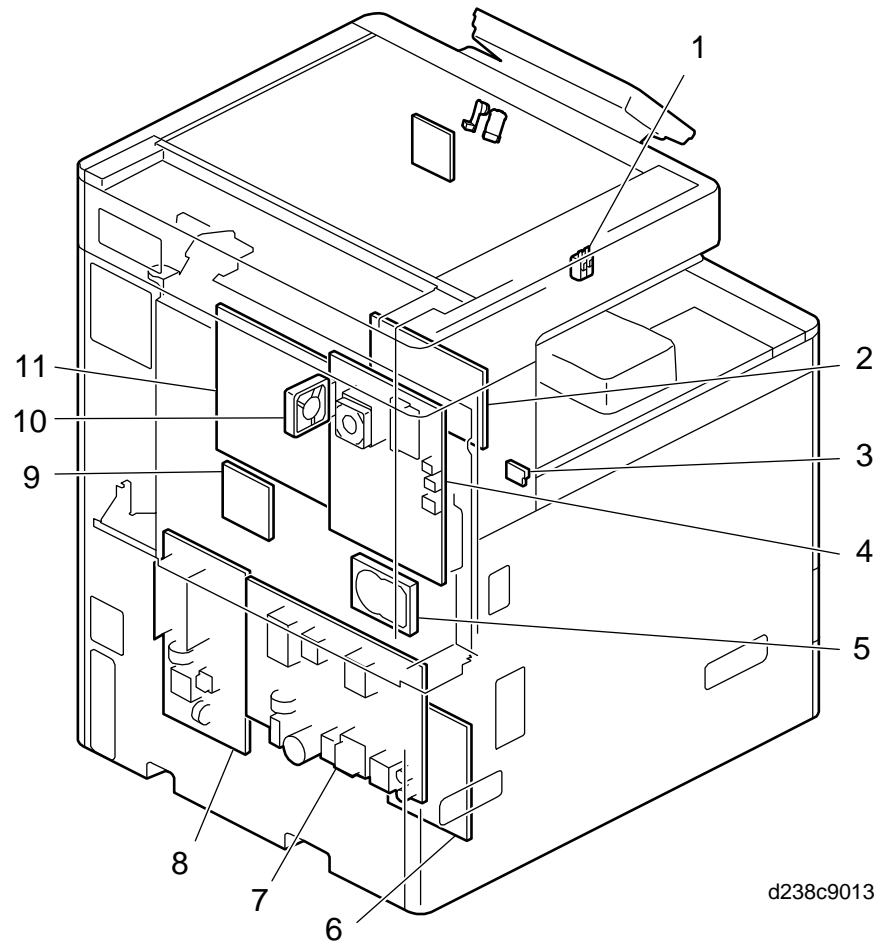


Fig.13

d238c9013

Symbol	Description	P to P
Sensors		
S1	Fig.10-5 Fusing Entrance Sensor	1-A1
S2	Fig.10-4 PTR Open/Close Sensor	1-A1
S3	Fig.7-7 Duplex Exit Sensor	1-B1
S4	Fig.7-4 Duplex Unit Open/Close Sensor	1-B1
S5	Fig.7-3 Duplex Entrance Sensor	1-B1
S6	Fig.7-8 By-pass Paper End Sensor	1-C1
S7	Fig.8-2 By-pass Paper length Sensor	1-C1
S8	Fig.8-1 By-pass Paper Size Sensor	1-C1
S9	Fig.10-2 Inversion Sensor	1-C1
S10	Fig.10-3 Paper Exit Sensor	1-C1
S11	Fig.6-11 Transport Sensor (1st Feed Tray)	1-D1
S12	Fig.6-12 Paper End Sensor (1st Feed Tray)	1-D1
S13	Fig.6-13 Limit Sensor (1st Feed Tray)	1-E1
S14	Fig.6-5 Registration Sensor	1-F1
S15	Fig.7-2 Right Door Open/Close Sensor	1-F1
S16	- Tray Lift Sensor (1st Feed Tray)	1-A5
S17	Fig.6-1 Tray Set Sensor (1st Feed Tray)	1-A5
S18	- Tray Lift Sensor (2nd Feed Tray)	1-A5
S19	Fig.6-3 Tray Set Sensor (2nd Feed Tray)	1-B5
S20	Fig.6-8 Transport Sensor (2nd Feed Tray)	1-B5
S21	Fig.6-9 Paper End Sensor (2nd Feed Tray)	1-C5
S22	Fig.6-10 Limit Sensor (2nd Feed Tray)	1-C5
S23	Fig.9-1 Pressure Roller HP Sensor	1-E5
S24	Fig.9-4/ Fig.10-6 Fusing Exit Sensor	1-F5
S25	Fig.5-16 Toner End Sensor: K	1-B7
S26	Fig.5-14 Toner End Sensor: C	1-B7
S27	Fig.5-12 Toner End Sensor: M	1-C7
S28	Fig.5-10 Toner End Sensor: Y	1-C7
S29	Fig.3-3 ITB Contact and Release Sensor	1-C7
S30	Fig.11-5 Imaging Temperature Sensor	1-C7
S31	Fig.5-17 Waste Toner Capacity Sensor	1-E7
S32	Fig.5-18 Waste Toner Bottle Set Sensor	1-E7
S33	- PTR Separation Sensor	1-E7
S34	- HST Sensor: K	1-F8
S35	- HST Sensor: C	1-F8
S36	- HST Sensor: M	1-G8
S37	- HST Sensor: Y	1-G8
S38	- Temperature/Humidity Sensor K	1-A10
S39	Fig.1-3 Scanner Home Position Sensor	2-B7
S40	Fig.1-4 DF Position Sensor	2-B7
S41	Fig.1-5 Auto Paper Size Detection Sensor 2	2-C7
S42	Fig.1-6 Auto Paper Size Detection Sensor 1	2-C7
S43	Fig.3-5 Fig.3-6 Fig.3-7 ID Sensor	2-F8
S44	Fig.9-5 Non-Contact Sensor (Center)	2-A10
S45	Fig.9-7 Non-Contact Sensor (Edge)	2-A10

Symbol	Description	P to P
Motors		
M1	Fig.7-1 Duplex Entrance Motor	1-A1
M2	Fig.7-6 By-pass/Duplex Motor	1-B1
M3	Fig.10-1 Inversion Motor	1-D1
M4	Fig.12-9 Paper Exit / Pressure Release Motor	1-E1
M5	Fig.12-7 Registration Motor	1-E1
M6	Fig.12-5 Transport Motor	1-E1
M7	Fig.12-4 Paper Feed Motor	1-E1
M8	Fig.12-8 Fusing Motor	1-F1
M9	Fig.6-2 Lift Motor (1st Feed Tray)	1-A5
M10	Fig.6-4 Lift Motor (2nd Feed Tray)	1-A5
M11	Fig.5-8 Toner Bottle Drive Motor: K	1-A7
M12	Fig.5-6 Toner Bottle Drive Motor: C	1-A7
M13	Fig.5-4 Toner Bottle Drive Motor: M	1-A7
M14	Fig.5-2 Toner Bottle Drive Motor: Y	1-A7
M15	- PCU Motor: CMY	1-D7
M16	Fig.12-2 Development Motor: CMY	1-D7
M17	Fig.12-6 PCU:Black/Image Transfer Motor	1-D7
M18	Fig.3-4 Paper Transfer Contact Motor	1-E7
M19	Fig.5-15 Toner Transport Motor: K	1-B10
M20	Fig.5-13 Toner Transport Motor: C	1-B10
M21	Fig.5-11 Toner Transport Motor: M	1-B10
M22	Fig.5-9 Toner Transport Motor: Y	1-B10
M23	Fig.2-1 Skew Motor: Y	1-C10
M24	Fig.2-3 Skew Motor: M	1-D10
M25	Fig.2-4 Skew Motor: C	1-D10
M26	Fig.1-7 Scanner Motor	2-C7
M27	Fig.2-5 Polygon Mirror Motor	2-F7
LEDs		
LED1	- PTR Open/Close LED	1-A1
LED2	- 1bin LED	1-E5
LED3	- Quenching LED	1-G8
Solenoids		
SOL1	Fig.7-5 By-pass Pick-up Solenoid	1-B1
SOL2	Fig.10-8 Paper Exit Solenoid	1-C1
SOL3	- Pick-up Solenoid (1st Feed Tray)	1-D1
SOL4	- Pick-up Solenoid (2nd Feed Tray)	1-B5
SOL5	Fig.10-7 Fushing Exit Solenoid	1-D5
SOL6	Fig.12-3 Development Solenoid	1-D7
Fans		
FAN1	Fig.11-7 Fusing Exhaust Heat Fan	1-E1
FAN2	Fig.11-3 PSU Cooling Fan	1-C5
FAN3	- PSU Exhaust Heat Fan	1-C5
FAN4	Fig.11-4 Ozone Exhaust Fan	1-D5
FAN5	Fig.13-10 Controller Box Cooling Fan	1-F7
FAN6	Fig.11-6 Toner supply cooling Fan	1-F7
FAN7	- Drive Cooling Fan	1-F7
FAN8	Fig.11-2 Developing Air Intake Fan:Right	1-A10
FAN9	Fig.11-1 Paper Exit Cooling Fan	1-A10
Thermopails/Thermistors		
TH1	Fig.9-3 Thermopile (center)	1-F5
TH2	Fig.9-2 Thermopile (edge)	1-F5
TH3	Fig.9-6 Pressure Thermistor: Center	2-A10
TH4	Fig.9-8 Pressure Thermistor: End	2-A10
TH5	Fig.9-8 Pressure Thermistor: Full-Bleed	2-A10
Heaters		
H1	Fig.6-7 Paper Feed Heater	2-G4
H2	- Bank Heater	2-G4
H3	Fig.1-2 Scanner Anticondensation Heater	2-G4
H4	- PCU Anticondensation Heater	2-G4
H5	- Heating Roller: End/N	2-B10
H6	- Heating Roller: Center/N	2-C10

Symbol	Description	P to P
Switches		
SW1	Fig.6-6 Size Switch (2nd Feed Tray)	1-B5
SW2	Fig.3-1/ Fig.13-1 Interlock Switch: Front Cover (LD Safety Switch)	1-D10/ 2-B4
SW3	Fig.3-2 Interlock Switch: Duplex Unit (LD Safety Switch)	1-D10/ 2-C4
SW4	Fig.13-3 Main Power Switch	2-D3
Others		
-	Fig.1-1 Operation Panel	2-D7
-	Fig.2-2 Synchronizing Detector Board: M/Y-S	2-F7
-	Fig.2-6 Synchronizing Detector Board: Bk/C-S	2-F7
-	Fig.4-1 PCDU: Y (Charge Unit)	2-A3
-	Fig.4-2 PCDU: M (Charge Unit)	2-A3
-	Fig.4-3 PCDU: C (Charge Unit)	2-A3
-	Fig.4-4 PCDU: K (Charge Unit)	2-A3
-	Fig.4-1 PCDU: Y (Development Unit)	2-B3
-	Fig.4-2 PCDU: M (Development Unit)	2-B3
-	Fig.4-3 PCDU: C (Development Unit)	2-B3
-	Fig.4-4 PCDU: K (Development Unit)	2-B3
-	Fig.5-1 ID Chip: Y	1-A7
-	Fig.5-3 ID Chip: M	1-B7
-	Fig.5-5 ID Chip: C	1-B7
-	Fig.5-7 ID Chip: K	1-B7
-	Fig.13-2 HVP TTS	1-B7
-	Fig.13-4 CTL	2-D5
-	Fig.13-5 HDD	2-D7
-	Fig.12-1 Imaging IOB	1-A5/8
-	Fig.13-6 Paper Transport IOB	1-D3
-	Fig.13-7 PSU: DC	1-C10/ 1-D10
-	Fig.13-8 PSU: AC Controller Board	1-C5/ 1-G5
-	Fig.13-9 BCU	1-C10
-	Fig.13-11 IPU	1-C5

D243/D244 Harness Pin Assignment

Harness No.	Connector (From)			Signal Information	Connector (To)			Note	Harness No.	Connector (From)			Signal Information	Connector (To)			Note																						
	To Connector	Addr.	Pin No.		To Connector	Addr.	Pin No.			To Connector	Addr.	Pin No.		To Connector	Addr.	Pin No.																							
1	Paper Transport IOB	CN155	1	Fusing Cooling Fan: +24V (CTRL)	Fusing Cooling Fan	CN1	3	CN9, CN15, CN16, CN17, CN18: With relay connector	1	Paper Transport IOB	CN159	1	Pick-up Solenoid (1st Feed Tray): Terminal1	Harness No.56 D1752780	CN9	14	CN9, CN15, CN16, CN17, CN18: With relay connector																						
			2	Fusing Cooling Fan: LOCK Sensor Signal			2					Pick-up Solenoid (1st Feed Tray): Terminal2	13																										
			3	Fusing Cooling Fan: GND			1					Paper Feed Sensor (1st Feed Tray): GND	12																										
			4	Registration Sensor: GND	3	Paper Feed Sensor (1st Feed Tray): Sensor	11																																
			5	Registration Sensor: Sensor Signal	2	Paper Feed Sensor (1st Feed Tray): +5V	10																																
			6	Registration Sensor: +5V	1	Transport Sensor (1st Feed Tray): GND	9																																
			7	Fusing Motor: PEAKI & GAIN	10	Transport Sensor (1st Feed Tray): Sensor Signal	8																																
			8	Fusing Motor: MAKER & CLOCK	9	Transport Sensor (1st Feed Tray): +5V	7																																
			9	Fusing Motor: FG & BRK	8	Paper End Sensor (1st Feed Tray): GND	6																																
			10	Fusing Motor: ROTATE & ROTATE	7	Paper End Sensor (1st Feed Tray): Sensor Signal	5																																
			11	Fusing Motor: PWM & START	6	Paper End Sensor (1st Feed Tray): +5V	4																																
			12	Fusing Motor: BRK & LOCK	5	Limit Sensor (1st Feed Tray): GND	3																																
			13	Fusing Motor: GND	4	Limit Sensor (1st Feed Tray): Sensor Signal	2																																
			14	Fusing Motor: GND	3	Limit Sensor (1st Feed Tray): +5V	1																																
			15	Fusing Motor: 24VS2	2																																		
			16	Fusing Motor: 24VS2	1																																		
			17	N.C.	-																																		
			18	Right Door Open/Close Switch: SW Terminal2	2	Right Door Open/Close Sensor	2																																
	19	Right Door Open/Close Switch: SW Terminal1	1																																				
	A1	Paper Exit Motor: ENC: A Phase	8	Paper Exit Motor	CN6	8	Harness No.57 D2416237			CN10	5	Paper Transport IOB	CN161	2	PTR Open/Close LED: CTRL	PTR Open/Close Sensor		CN11	5																				
	A2	Paper Exit Motor: ENC: B Phase	7			7					3			PTR Open/Close LED: +5V	4																								
	A3	Paper Exit Motor: +5V	6			6					4			Fusing Entrance Sensor: GND	3																								
	A4	Paper Exit Motor: CW/CCW (Low)	5			5					4			Fusing Entrance Sensor: Sensor Signal	2																								
	A5	Paper Exit Motor: PWM	4			4					5			Fusing Entrance Sensor: +5V	1																								
	A6	Paper Exit Motor: BRK (Low)	3			3					6			PTR Open/Close Sensor: GND	3																								
	A7	Paper Exit Motor: GND	2			2					7			PTR Open/Close Sensor: Sensor Signal	2																								
	A8	Paper Exit Motor: +24VS2	1	1	8	PTR Open/Close Sensor: +5V					1																												
	A9	Transport Motor: ENC: A Phase	8	Transport Motor	CN8	8					Duplex Entrance Motor			CN14	9				Harness No.58 D2414696	CN15	8	Duplex Entrance Motor: ENC: A Phase	8																
	A10	Transport Motor: ENC: B Phase	7			7									9						Duplex Entrance Motor: ENC: B Phase	7																	
	A11	Transport Motor: +5V	6			6									10						Duplex Entrance Motor: +5V	6																	
	A12	Transport Motor: CW/CCW (Low)	5			5									11						Duplex Entrance Motor: +24VS2	5																	
	A13	Transport Motor: PWM	4			4									12						Duplex Entrance Motor: CW/CCW (Low)	4																	
	A14	Transport Motor: BRK (Low)	3			3									13						Duplex Entrance Motor: PWM	3																	
	A15	Transport Motor: GND	2			2									14						Duplex Entrance Motor: BRK(Low)	2																	
	A16	Transport Motor: +24VS2	1	1	15	Duplex Entrance Motor: GND			1																														
	B1	Paper Feed Motor: ENC: A Phase	8	Paper Feed Motor	CN7	8			By-pass/Duplex Motor: ENC: A Phase						CN15		16				By-pass/Duplex Motor: ENC: B Phase	CN15	18	By-pass/Duplex Motor: +5V	By-pass/Duplex Motor: CW/CCW (Low)	By-pass/Duplex Motor: PWM	By-pass/Duplex Motor: BRK (Low)	By-pass/Duplex Motor: GND	By-pass/Duplex Motor: +24VS2	Duplex Entrance Sensor: GND	Duplex Entrance Sensor: Sensor Signal	Duplex Exit Sensor: GND	Duplex Exit Sensor: +5V	Duplex Unit Open/Close Sensor: SW Terminal2	Duplex Unit Open/Close Sensor: SW Terminal1	N.C.	N.C.	1	
	B2	Paper Feed Motor: ENC: B Phase	7			7											17						Duplex Entrance Sensor: +5V																17
	B3	Paper Feed Motor: +5V	6			6											18						Duplex Exit Sensor: GND																16
	B4	Paper Feed Motor: CW/CCW (Low)	5			5											19						Duplex Exit Sensor: Sensor Signal																15
	B5	Paper Feed Motor: PWM	4			4											20						Duplex Exit Sensor: +5V																14
	B6	Paper Feed Motor: BRK (Low)	3			3											21						Duplex Unit Open/Close Sensor: SW Terminal2																13
	B7	Paper Feed Motor: GND	2			2											22						Duplex Unit Open/Close Sensor: SW Terminal1																12
	B8	Paper Feed Motor: +24VS2	1			1											23						N.C.																11
	B9	Registration Motor: ENC: A Phase	8	Registration Motor	CN5	8											10						9																
	B10	Registration Motor: ENC: B Phase	7			7											11						8																
	B11	Registration Motor: +5V	6			6											12						7																
B12	Registration Motor: CW/CCW (Low)	5	5			13		6																															
B13	Registration Motor: PWM	4	4			14		5																															
B14	Registration Motor: BRK (Low)	3	3			15		4																															
B15	Registration Motor: GND	2	2			16		3																															
B16	Registration Motor: +24VS2	1	1			17		2																															

D243/D244 Harness Pin Assignment

Harness No.	Connector (From)			Signal Information	Connector (To)			Note
	To Connector	Addr.	Pin No.		To Connector	Addr.	Pin No.	
1	Paper Transport IOB	CN162	1	By-pass Pick-up Solenoid: Terminal2 (PWM)	Harness No.60 D2412661	CN16	14	CN9, CN15, CN16, CN17, CN18: With relay connector
			2	By-pass Pick-up Solenoid: Terminal1 (+24VS2)			13	
			3	By-pass Paper End Sensor: GND			12	
			4	By-pass Paper End Sensor: Sensor Signal			11	
			5	By-pass Paper End Sensor: +5V			10	
			6	By-pass Paper Length Sensor: SW Terminal2			9	
			7	By-pass Paper Length Sensor: SW Terminal1			8	
			8	By-pass Paper Length Sensor: COM Terminal			7	
			9	By-pass Paper Length Sensor: SW Terminal4			6	
			10	By-pass Paper Length Sensor: SW Terminal5			5	
			11	By-pass Paper Length Sensor: SW Terminal3			4	
			12	By-pass Paper Size Sensor: GND			3	
			13	By-pass Paper Size Sensor: Sensor Signal			2	
			14	By-pass Paper Size Sensor: +5V			1	
	15	N.C.	-	-				
	16	Paper Exit Solenoid: Terminal1 (+24VS2)	-	15				
	17	Paper Exit Solenoid: Terminal2 (PWM)	-	14				
	18	Inversion Sensor: GND	-	13				
	19	Inversion Sensor: Sensor Signal	-	12				
	20	Inversion Sensor: +5V	-	11				
	21	Paper Exit Sensor: GND	-	10				
	22	Paper Exit Sensor: Sensor Signal	-	9				
	23	Paper Exit Sensor: +5V	-	8				
	24	Exit Tray Full Detection Sensor: GND	-	7				
	25	Exit Tray Full Detection Sensor: Sensor Signal	-	6				
	26	Exit Tray Full Detection Sensor: +5V	-	5				
	27	N.C.	-	-				
	28	N.C.	-	-				
	29	N.C.	-	-				
	30	N.C.	-	-				
Paper Transport IOB	CN167	1	Inversion Motor: XB Phase	Harness No.64 D2444486	CN17	4		
		2	Inversion Motor: B Phase			3		
		3	Inversion Motor: XA Phase			2		
		4	Inversion Motor: A Phase			1		
	CN156	A1	Set Detection (P): GND	Harness No.23 D2395355	CN18	A17		
		A2	Set Detection (C): GND			A16		
		A3	Set Detection: NA			A15		
		A4	Set Detection: EU			A14		
		A5	Set Detection: Special Paper			A13		
		A6	New unit Detection Fuse			A12		
		A7	New unit Detection Fuse: GND			A11		
		A8	Thermopile (Edge): +5V			A10		
		A9	Thermopile (Edge): GND			A9		
		A10	Thermopile (Edge): FB			A8		
		A11	Thermopile (Center): +5V			A7		
		A12	Thermopile (Center): GND			A6		
		A13	Thermopile (Center): FB			A5		
A14	Fusing Exit Sensor: GND	A4						
A15	Fusing Exit Sensor: Sensor Signal	A3						
A16	Fusing Exit Sensor: +5V	A2						
A17	N.C.	A1						
B1	N.C.	B17						
B2	N.C.	B16						
B3	N.C.	B15						
B4	N.C.	B14						
B5	N.C.	B13						
B6	Non-Contact Thermistor (Edge): Detection	B12						
B7	Non-Contact Thermistor (Edge): Compensation	B11						
B8	Non-Contact Thermistor (Edge): GND	B10						
B9	Non-Contact Thermistor (Center): Detection	B9						
B10	Non-Contact Thermistor (Center): Compensation	B8						
B11	Non-Contact Thermistor (Center): GND	B7						
B12	Pressure Thermistor: Expanded End: FB	B6						
B13	Pressure Thermistor: Expanded End: GND	B5						
B14	Pressure Thermistor: End: FB	B4						
B15	Pressure Thermistor: End: GND	B3						
B16	Pressure Thermistor: Center: FB	B2						
B17	Pressure Thermistor: Center: GND	B1						

Harness No.	Connector (From)			Signal Information	Connector (To)			Note		
	To Connector	Addr.	Pin No.		To Connector	Addr.	Pin No.			
2	Paper Transport IOB	CN153	1	AC driver: +24V	PSU (AC)	CN994	10	CN2, CN5: With relay connector		
			2	AC driver: GND			9			
			3	AC driver: Zero Cross Signal1			8			
			4	AC driver: Fusing Relay Trigger Signal1			7			
			5	AC driver: Anti-condensation Heater Relay Trigger Signal			6			
			6	AC driver: AC Voltage Detection Signal			5			
			7	AC driver: Fusing Heater2_Trigger Signal			4			
			8	AC driver: Fusing Heater1_Trigger Signal			3			
			9	AC driver: Fusing Relay Trigger Signal2			2			
			10	AC driver: Zero Cross Signal2			1			
			11	PSU Cooling Fan: +24V (CTRL)			PSU Cooling Fan		CN2	3
			12	PSU Cooling Fan: LOCK Sensor Signal			2			
			13	PSU Cooling Fan: GND			1			
			14	N.C.			-		-	
			15	N.C.			-		-	
			16	N.C.			-		-	
	Paper Transport IOB	CN164	1	IPU: GND	IPU	CN574	13			
			2	IPU: +5VE			12			
			3	IPU: GND			11			
			4	IPU: +24V			10			
			5	IPU: +24V			9			
			6	IPU: +24V			8			
			7	IPU: +24V			7			
			8	IPU: GND			6			
			9	IPU: GND			5			
			10	IPU: GND			4			
			11	IPU: +24VS1			3			
			12	IPU: +24VS2			2			
			13	IPU: GND			1			
			Paper Transport IOB	CN253			1		MKB: +5V	MKB
2	MKB: Key Card: Set Detection	12								
3	MKB: b0 (Size1)	11								
4	MKB: b1 (Size2)	10								
5	MKB: b2 (Size3)	9								
6	MKB: b3 (Size4)	8								
7	MKB: b4 (Mode1)	7								
8	MKB: b5 (Mode2)	6								
9	MKB: b6 (Duplex)	5								
10	MKB: b7 (Motor)	4								
11	MKB: GND	3								
12	MKB: Key Card: CTRL	2								
13	MKB: For Optional Counter: +24V	1								
14	Key-counter: GND	Key Counter	CN5	4						
15	Key-counter: Key Counter: Set Detection	3								
16	Key Counter: For Optional Counter: +24V	2								
17	Key-counter: Key Counter: CTRL	1								
IPU	CN577	1	PSU: DC: PONENG N	PSU (DC)	CN915	2				
		2	N.C.			-				
		3	PSU: DC: GND			1				
Paper Transport IOB	CN152	1	PSU: +24V	PSU (DC)	CN912	4				
		2	PSU: +24V			3				
		3	PSU: GND (+24V)			2				
		4	PSU: GND (+24V)			1				
		5	PSU: GND (+5V)			4				
		6	PSU: +5V			8				
IPU	CN578	1	PSU: GND	PSU (DC)	CN911	2				
		2	PSU: GND			3				
		3	PSU: 5V			7				
		4	PSU: 5VX			6				
		5	PSU: 5VX			5				
-	-	-	N.C.	-	-	1				

D243/D244 Harness Pin Assignment

Harness No.	Connector (From)			Signal Information	Connector (To)			Note						
	To Connector	Addr.	Pin No.		To Connector	Addr.	Pin No.							
3	Image Processing IOB	CN207	1	Paper Transport IOB: GND	Paper Transport IOB	CN163	18							
			2	Paper Transport IOB: GND			17							
			3	Paper Transport IOB: +24VS2			16							
			4	Paper Transport IOB: +24VS2			15							
			5	Paper Transport IOB: +24VS2			14							
			6	Paper Transport IOB: +24VS2			13							
			7	Paper Transport IOB: +24VS1			12							
			8	Paper Transport IOB: GND			11							
			9	Paper Transport IOB: GND			10							
			10	Paper Transport IOB: GND			9							
			11	Paper Transport IOB: GND			8							
			12	Paper Transport IOB: GND			7							
			13	Paper Transport IOB: GND			6							
			14	Paper Transport IOB: +5V			5							
			15	Paper Transport IOB: +24V			4							
			16	Paper Transport IOB: +24V			3							
			17	Paper Transport IOB: +24V			2							
			18	Paper Transport IOB: GND			1							
4	Paper Transport IOB	CN256	1	Bank: RXD	Bank Drawer	CN1	16							
			2	Bank: TXD			14							
			3	Bank: GND			12							
			4	Bank: GND			10							
			5	Bank: +5V			8							
			6	Bank: +5V			6							
			7	Bank: GND			4							
	PSU (DC)	CN914	1	PSU: GND			3							
			2	PSU: GND			5							
			3	PSU: GND			7							
			4	PSU: 24V			9							
			5	PSU: 24V			11							
			6	PSU: 24V			13							
			7	PSU: 24V			15							
	-	-	-	N.C.			1							
	-	-	-	N.C.			2							
	-	-	-	N.C.			17							
	-	-	-	N.C.			18							
5	Paper Transport IOB	CN158	1	Lift Motor (2nd Feed Tray): Sensor: Paper Remaining Detection	Lift Motor (2nd Feed Tray): Sensor	CN1	5	CN5: With relay connector						
			2	Lift Motor (2nd Feed Tray): Sensor: Paper Remaining Detection: GND			4							
			3	Lift Motor (2nd Feed Tray): Sensor: Paper Remaining Detection			3							
			4	Lift Motor (2nd Feed Tray): Sensor: CTRL -			2							
			5	Lift Motor (2nd Feed Tray): Sensor: CTRL +			1							
			Paper Transport IOB	CN160	1	Lift Motor (1st Feed Tray): Sensor: Paper Remaining Detection	Lift Motor (1st Feed Tray): Sensor		CN6	5				
					2	Lift Motor (1st Feed Tray): Sensor: Paper Remaining Detection: GND				4				
					3	Lift Motor (1st Feed Tray): Sensor: Paper Remaining Detection				3				
					4	Lift Motor (1st Feed Tray): Sensor: CTRL -				2				
					5	Lift Motor (1st Feed Tray): Sensor: CTRL +				1				
					6	Tray set Switch (1st Feed Tray): GND				2				
					7	Tray set Switch (1st Feed Tray): SW Terminal1				1				
					Paper Transport IOB	CN158				6	Tray Set Switch (2nd Feed Tray): GND	Tray Set Switch (2nd Feed Tray)	CN2	2
										7	Tray Set Switch (2nd Feed Tray): SW Terminal1			1
										Paper Transport IOB	CN158	8	Size Switch (2nd Feed Tray): SW Terminal4	Size Switch (2nd Feed Tray)
			9	Size Switch (2nd Feed Tray): GND			4							
			10	Size Switch (2nd Feed Tray): SW Terminal3			3							
			11	Size Switch (2nd Feed Tray): SW Terminal2			2							
	12	Size Switch (2nd Feed Tray): SW Terminal1	1											
	Paper Transport IOB	CN158	13	N.C.			-		-			-		
			14	N.C.			-		-			-		
			15	Pick-up Solenoid (2nd Feed Tray): +24VS2			14							
			16	Pick-up Solenoid (2nd Feed Tray): PWM	13									
			17	Paper Feed Sensor (2nd Feed Tray): GND	12									
			18	Paper Feed Sensor (2nd Feed Tray): Sensor	11									
			19	Paper Feed Sensor (2nd Feed Tray): +5V	10									
			20	Transport Sensor (2nd Feed Tray): GND	9									
			21	Transport Sensor (2nd Feed Tray): Sensor Signal	8									
22			Transport Sensor (2nd Feed Tray): +5V	7										
23	Paper End Sensor (2nd Feed Tray): GND	6												
24	Paper End Sensor (2nd Feed Tray): Sensor	5												
25	Paper End Sensor (2nd Feed Tray): +5V	4												
26	Limit Sensor (2nd Feed Tray): GND	3												
27	Limit Sensor (2nd Feed Tray): Sensor Signal	2												
28	Limit Sensor (2nd Feed Tray): +5V	1												
Paper Transport IOB	CN160	1	Lift Motor (1st Feed Tray): Sensor: Paper Remaining Detection	Lift Motor (1st Feed Tray): Sensor	CN6	5								
		2	Lift Motor (1st Feed Tray): Sensor: Paper Remaining Detection: GND			4								
		3	Lift Motor (1st Feed Tray): Sensor: Paper Remaining Detection			3								
		4	Lift Motor (1st Feed Tray): Sensor: CTRL -			2								
		5	Lift Motor (1st Feed Tray): Sensor: CTRL +			1								
		6	Tray set Switch (1st Feed Tray): GND			2								
		7	Tray set Switch (1st Feed Tray): SW Terminal1			1								

Harness No.	Connector (From)			Signal Information	Connector (To)			Note		
	To Connector	Addr.	Pin No.		To Connector	Addr.	Pin No.			
6	BCU	CN105	1	ID Sensor: 3.3V	Harness No.20 D2415347	CN2	15	CN1, CN2, CN5, CN8, CN13: With relay connector		
			2	ID Sensor: GND			14			
			3	ID Sensor: FRONT LED Drive			13			
			4	ID Sensor: FRONT Diffuse Reflection Sensor			12			
			5	ID Sensor: FRONT Specular Reflection Sensor			11			
			6	ID Sensor: 3.3V			10			
			7	ID Sensor: GND			9			
			8	ID Sensor: CENTER LED Drive			8			
			9	ID Sensor: CENTER Diffuse Reflection Sensor			7			
			10	ID Sensor: CENTER Specular Reflection Sensor Output			6			
			11	ID Sensor: 3.3V			5			
			12	ID Sensor: GND			4			
			13	ID Sensor: REAR LED Drive			3			
			14	ID Sensor: REAR Diffuse Reflection Sensor			2			
			15	ID Sensor: REAR Specular Reflection Sensor			1			
Paper Transport IOB	CN166	1	Fusing Exit Solenoid: Terminal2(PWM)	Harness No.16 D2415332	CN13	2				
		2	Fusing Exit Solenoid: Terminal1(+24VS2)			1				
		3	Pressure Roller HP Sensor: GND			3				
		4	Pressure Roller HP Sensor: Signal			2				
		5	Pressure Roller HP Sensor: +5V			1				
Image Processing IOB	CN251	1	1bin Tray: Mainframe Inversion Sensor Output	1bin Tray	CN10	6				
		2	1bin Tray: Paper Remaining Sensor			5				
		3	1bin Tray: Set Detection Mechanism			4				
		4	1bin Tray: GND			3				
		5	1bin Tray: +5VE_LPS			2				
		6	1bin Tray: +5V			1				
Image Processing IOB	CN209	1	Temperature/Humidity Sensor: Temperature FB	Temperature/Humidity Sensor	CN4	4				
		2	Temperature/Humidity Sensor K: GND			3				
		3	Temperature/Humidity Sensor K: Humidity FB			2				
		Image Processing IOB	CN209	4	Temperature/Humidity Sensor K: +3.3V	Developing Air Intake Fan/Right	CN5	1		
				5	Developing Air Intake Fan/Right: CTRL			3		
				6	Developing Air Intake Fan/Right: LOCK			2		
				7	Developing Air Intake Fan/Right: GND			1		
				8	Exit Paper Cooling/Electrical BOX Cooling/CTL Cooling Fan:CTRL			3		
				9	Paper Exit Cooling Fan: LOCK			2		
				10	Paper Exit Cooling Fan: GND			1		
IPU	CN573	1	Main SW: ACSW_STAT_ON_N_ACSW	Main SW	CN11	2				
		2	Main SW: ACSWOFF_ACSW			1				
1bin LED	CN1	1	1bin LED: CATHODE	1bin Tray	CN12	2				
		2	1bin LED: ANODE			1				
IPU	CN572	1	Human Detect Setting: Power(+3.3VE)	MESENS2 (Human Detect Setting Board)	CN9	5				
		2	Human Detect Setting: Motion Sensor Signal			4				
		3	Human Detect Setting: GND			3				
		4	N.C.			2				
		5	N.C.			1				
PSU (DC)	CN917	1	PSU: DC: 24V	Interlock SW/1	CN1	1				
		2	PSU: DC: 24V			2				
Image Processing IOB	CN213	1	Interlock Switch: Front Cover (LD Safety Switch): +24VS1	Interlock SW/1	CN1	2				
		2	Interlock Switch: Duplex Unit (LD Safety Switch): +24VS2			2				
Image Processing IOB	CN217	-	N.C.	Lattice	CN1	8				
		-	Finisher: RXD			7				
		-	N.C.			6				
		2	Finisher: TXD			5				
		-	N.C.			4				
		-	N.C.			3				
		3	Finisher: GND			2				
		4	Finisher: GND			1				
		PSU (DC)	CN913			1	PSU: DC: GND	Lattice	CN2	9
						2	PSU: DC: GND			8
						3	PSU: DC: GND			7
						4	PSU: DC: GND			6
						5	PSU: DC: 24V			5
6	PSU: DC: 24V			4						
7	PSU: DC: 24V			3						
-	-	-	N.C.	-	-	2				
-	-	-	N.C.	-	-	1				

D243/D244 Harness Pin Assignment

Harness No.	Connector (From)			Signal Information	Connector (To)			Note	Harness No.	Connector (From)			Signal Information	Connector (To)			Note
	To Connector	Addr.	Pin No.		To Connector	Addr.	Pin No.			To Connector	Addr.	Pin No.					
9	Image Processing IOB	CN203	1	Toner Bottle Drive Motor: K: CTRL B	Toner Bottle Drive Motor/K	CN1	2	CN1, CN2, CN3, CN4, CN14, CN18: With relay connector	Image Processing IOB	CN222	1	Toner Bottle Drive Motor: K: A Phase	Toner Bottle Drive Motor: K	CN1	4	CN8, CN9, CN13: With relay connector	
			2	Toner Bottle Drive Motor: K: +24VS1	Drive Motor/K	1	2				Toner Bottle Drive Motor: K: XA Phase	3					
			3	Toner Bottle Drive Motor: C: CTRL B	Toner Bottle Drive Motor/C	CN2	2				3	Toner Bottle Drive Motor: K: B Phase	2				
			4	Toner Bottle Drive Motor: C: +24VS1	Drive Motor/C	1	4				Toner Bottle Drive Motor: K: XB Phase	1					
			5	Toner Bottle Drive Motor: M: CTRL B	Toner Bottle Drive Motor/M	CN3	2				5	Toner Bottle Drive Motor: C: A Phase	4				
			6	Toner Bottle Drive Motor: M: +24VS1	Drive Motor/M	1	6				Toner Bottle Drive Motor: C: XA Phase	3					
			7	Toner Bottle Drive Motor: Y: CTRL B	Toner Bottle Drive Motor/Y	CN4	2				7	Toner Bottle Drive Motor: C: B Phase	2				
			8	Toner Bottle Drive Motor: Y: +24VS1	Drive Motor/Y	1	8				Toner Bottle Drive Motor: C: XB Phase	1					
			9	N.C.	-	-	-				9	Toner Bottle Drive Motor: M: A Phase	4				
			10	Toner Bottle ID Chip: I2C	-	-	4				10	Toner Bottle Drive Motor: M: XA Phase	3				
			11	Toner Bottle ID Chip: GND	Toner Bottle ID Chip	CN5	3				11	Toner Bottle Drive Motor: M: B Phase	2				
			12	Toner Bottle ID Chip: I2C	-	-	2				12	Toner Bottle Drive Motor: M: XB Phase	1				
			13	Toner Bottle ID Chip: Power	-	-	1				13	Toner Bottle Drive Motor: Y: A Phase	4				
			14	N.C.	-	-	-				14	Toner Bottle Drive Motor: Y: XA Phase	3				
			15	Toner Bottle ID Chip: I2C	Toner Bottle ID Chip	CN6	4				15	Toner Bottle Drive Motor: Y: B Phase	2				
			16	Toner Bottle ID Chip: GND	-	-	3				16	Toner Bottle Drive Motor: Y: XB Phase	1				
			17	Toner Bottle ID Chip: I2C	-	-	2				1	Drum Motor/FC:Peak Hold	10				
			18	Toner Bottle ID Chip: Power	Toner Bottle ID Chip	CN7	1				2	Drum Motor/FC:Maker	9				
			19	Toner Bottle ID Chip: I2C	-	-	4				3	Drum Motor/FC:FG	8				
			20	Toner Bottle ID Chip: GND	Toner Bottle ID Chip	CN8	3				4	Drum Motor/FC:Direction	7				
			21	Toner Bottle ID Chip: I2C	-	-	2				5	Drum Motor/FC:PWM	6				
			22	Toner Bottle ID Chip: Power	Toner Bottle ID Chip	CN8	2				6	Drum Motor/FC:BRK	5				
			23	Toner Bottle ID Chip: I2C	-	-	1				7	Drum Motor/FC:GND	4				
			24	Toner Bottle ID Chip: GND	Toner Bottle ID Chip	CN8	4				8	Drum Motor/FC:GND	3				
			25	Toner Bottle ID Chip: I2C	-	-	2				9	Drum Motor/FC: +24VS1	2				
			26	Toner Bottle ID Chip: Power	-	-	1				10	Drum Motor/FC: +24VS1	1				
	1	HVP TTS: +24VS2	HVP: TTS	CN802	10	11	Development Motor/FC:Peak Hold		10								
	2	HVP TTS: GND	-	-	9	12	Development Motor/FC:Maker		9								
	3	HVP TTS: Transfer/SC Detection	-	-	8	13	Development Motor/FC:FG		8								
	4	HVP TTS: Paper Transfer (-)/Output Voltage FB	-	-	7	14	Development Motor/FC:Direction		7								
	5	HVP TTS: Paper Transfer (-)/PWM	-	-	6	15	Development Motor/FC:PWM		6								
	6	HVP TTS: Paper Transfer (+)/PWM	-	-	5	16	Development Motor/FC:BRK		5								
	7	HVP TTS: Image Transfer/K/PWM	-	-	4	17	Development Motor/FC:GND		4								
	8	HVP TTS: Image Transfer/C/PWM	-	-	3	18	Development Motor/FC:GND		3								
	9	HVP TTS: Image Transfer/M/PWM	-	-	2	19	Development Motor/FC: +24VS1		2								
	10	HVP TTS: Image Transfer/Y/PWM	-	-	1	20	Development Motor/FC: +24VS1		1								
	11	N.C.	-	-	-	21	N.C.		-								
	12	N.C.	-	-	-	22	N.C.		-								
	1	Toner End Sensor: K: GND	Harness No.18 D2415334	CN9	3	23	N.C.		-								
	2	Toner End Sensor: K: Signal	-	-	2	24	N.C.		-								
	3	Toner End Sensor: K: +5VTEK	-	-	1	25	N.C.		-								
	4	Toner End Sensor: C: GND	Harness No.18 D2415334	CN10	3	26	N.C.		-								
	5	Toner End Sensor: C: Signal	-	-	2	27	N.C.		-								
	6	Toner End Sensor: C: +5VTEFC	-	-	1	28	N.C.		-								
	7	Toner End Sensor: M: GND	Harness No.18 D2415334	CN13	3	29	N.C.		-								
	8	Toner End Sensor: M: Signal	-	-	2	30	N.C.		-								
	9	Toner End Sensor: M: +5VTEFC	-	-	1	31	Image Transfer Motor/K:Peak Hold		10								
	10	Toner End Sensor: Y: GND	Harness No.18 D2415334	CN17	3	32	Image Transfer Motor/K:Maker		9								
11	Toner End Sensor: Y: Signal	-	-	2	33	Image Transfer Motor/K:FG	8										
12	Toner End Sensor: Y: +5VTEFC	-	-	1	34	Image Transfer Motor/K:Direction	7										
13	ITB Contact and Release Sensor: GND	Harness No.18 D2415334	CN14	3	35	Image Transfer Motor/K:PWM	6										
14	ITB Contact and Release Sensor: Signal	-	-	2	36	Image Transfer Motor/K:BRK	5										
15	ITB Contact and Release Sensor: +5V	-	-	1	37	Image Transfer Motor/K:GND	4										
16	Imaging Temperature Sensor: GND	Imaging Temperature Sensor	CN18	2	38	Image Transfer Motor/K:GND	3										
17	Imaging Temperature Sensor: Imaging Temperature Sensor/FB	-	-	1	39	Image Transfer Motor/K: +24VS1	2										
1	Bridge unit/Shift Tray/Exit Tray: GND	Bridge unit Drawe	CN19	10	40	Image Transfer Motor/K: +24VS1	1										
2	Bridge unit/Shift Tray/Exit Tray: +5V	-	-	9													
3	Bridge unit/Shift Tray/Exit Tray: CBU_SS1SET_I	-	-	8													
4	Bridge unit/Shift Tray/Exit Tray:	-	-	7													
5	Bridge unit/Shift Tray/Exit Tray:	-	-	6													
6	Bridge unit/Shift Tray/Exit Tray:	-	-	5													
7	Bridge unit/Shift Tray/Exit Tray: CBUCVMTCTL_O	-	-	4													
8	Bridge unit/Shift Tray/Exit Tray: GND	-	-	3													
9	Bridge unit/Shift Tray/Exit Tray: +24V	-	-	2													
10	N.C.	-	-	1													
11	Bridge unit/Exit Tray: +24V	-	-	9													
12	Bridge unit/Exit Tray: CBU+5VFU_I	-	-	8													
13	Bridge unit/Exit Tray: CBUCVMTENA_N_O	-	-	7													
14	Bridge unit/Exit Tray: CBU+24VFU_I	-	-	6													
15	Bridge unit/Exit Tray: CBUCVMTCLK_O	-	-	5													
16	Bridge unit/Exit Tray: CBU+24VFU_I	-	-	4													
17	Bridge unit/Exit Tray: CBTOCSNSNS_I	-	-	3													
18	Bridge unit/Exit Tray: CBEOCSNSNS_I	-	-	2													
				1													

D243/D244 Harness Pin Assignment

Harness No.	Connector (From)			Signal Information	Connector (To)			Note
	To Connector	Addr.	Pin No.		To Connector	Addr.	Pin No.	
11	Image Processing IOB	CN201	1	Development Solenoid: +24VS1	Development Solenoid	CN8	2	CN8, CN9, CN13: With relay connector
			2	Development Solenoid: CTRL			1	
			3	Waste toner capacity sensor: GND	Harness No.15 D1495330	CN5	3	
			4	Waste toner capacity sensor: Signal			2	
			5	Waste toner capacity sensor: +5V			1	
			6	Waste toner bottle set switch: GND	Waste Toner Bottle Set Switch	CN3	2	
			7	Waste toner bottle set switch: Signal			1	
			8	PTR Separation Sensor: GND			3	
			9	PTR Separation Sensor: Signal	PTR Separation Sensor	CN11	2	
			10	PTR Separation Sensor: +5V			1	
			11	Paper Transfer Contact Motor: CTRL2	Paper Transfer Contact Motor	CN12	2	
			12	Paper Transfer Contact Motor: CTRL1			1	
			13	N.C.	-	-	-	
	1	PCU: HST/K:CTRL			16			
	2	PCU: HST/+24VS2			15			
	3	PCU: GND			14			
	4	PCU: HST/K:Output			13			
	5	PCU: HST:Power			12			
	6	PCU: HST/K:SEL			11			
	7	PCU: HST:SDA			10			
	8	PCU: HST:SCL			9			
	9	PCU: HST/C:CTRL			8			
	10	PCU: HST/+24VS2			7			
	11	PCU: GND			6			
	12	PCU: HST/C:Output			5			
	13	PCU: HST:Power			4			
	14	PCU: HST/C:SEL			3			
	15	PCU: HST:SDA			2			
	16	PCU: HST:SCL			1			
	17	PCU: HST/M:CTRL			32			
	18	PCU: HST/+24VS2			31			
	19	PCU: GND			30			
20	PCU: HST/M:Output			29				
21	PCU: HST:Power			28				
22	PCU: HST/M:SEL			27				
23	PCU: HST:SDA			26				
24	PCU: HST:SCL			25				
25	PCU: HST/Y:CTRL			24				
26	PCU: HST/+24VS2			23				
27	PCU: GND			22				
28	PCU: HST/Y:Output			21				
29	PCU: HST:Power			20				
30	PCU: HST/Y:SEL			19				
31	PCU: HST:SDA			18				
32	PCU:HST:SCL			17				

Harness No.	Connector (From)			Signal Information	Connector (To)			Note
	To Connector	Addr.	Pin No.		To Connector	Addr.	Pin No.	
11	Image Processing IOB	CN211	1	HVP CB: HVP/Development/DC/Y/PWM	HVP CB	CN800	11	CN8, CN9, CN13: With relay connector
			2	HVP CB: HVP/Development/DC/M/PWM			10	
			3	HVP CB: HVP/Development/DC/C/PWM			9	
			4	HVP CB: HVP/Development/DC/K/PWM			8	
			5	HVP CB: HVP/Charge/DC/K/PWM			7	
			6	HVP CB: HVP/Charge/DC/C/PWM			6	
			7	HVP CB: HVP/Charge/DC/M/PWM			5	
			8	HVP CB: HVP/Charge/DC/Y/PWM			4	
			9	N.C.			-	
			10	N.C.			-	
			11	N.C.			-	
			12	N.C.			-	
			13	N.C.			-	
	14	HVP CB: HVP/Charge Development/SC Detection		3				
	15	N.C.		-				
	16	N.C.		-				
	17	N.C.		-				
	18	N.C.		-				
	19	HVP CB: GND		2				
	20	HVP CB: +24VS2		1				
	1	N.C.		-				
	2	N.C.		-				
	3	N.C.		-				
	4	Exit Paper Cooling/Electrical BOX Cooling/CTL Cooling Fan:CTRL	Electrical Box Cooling Fan	CN9	3			
	5	Controller Box Cooling Fan: LOCK			2			
	6	Controller Box Cooling Fan: GND			1			
	7	N.C.		-				
	8	N.C.		-				
	9	N.C.		-				
	10	Toner Supply Cooling/Drive Cooling/Exhaust Fan:CTRL	Toner Supply Cooling Fan	CN10	3			
	11	Toner Supply Cooling Fan: LOCK			2			
	12	Toner Supply Cooling Fan: GND			1			
13	N.C.		-					
14	N.C.		-					
15	N.C.		-					

Harness No.	Connector (From)			Signal Information	Connector (To)			Note
	To Connector	Addr.	Pin No.		To Connector	Addr.	Pin No.	
13	Harness No.11 D2445326	CN1	1	PCU: Lubricant Near-End Sensor/K	Harness No.14 D2445329	CN2	16	CN2: With relay connector
			2	PCU: +24VS2			15	
			3	PCU: HST_SCL			14	
			4	PCU: HST_SDA			13	
			5	PCU: HST Sensor/K/PWM			12	
			6	PCU: HST Sensor/+5V			11	
			7	PCU: HST Sensor/K/FB			10	
			8	PCU: GND			9	
			9	PCU: Lubricant Near-End Sensor/C			8	
			10	PCU: +24VS2			7	
			11	PCU: HST_SCL			6	
			12	PCU: HST_SDA			5	
			13	PCU: HST Sensor/C/PWM			4	
			14	PCU: HST Sensor/+5V			3	
			15	PCU: HST Sensor/C/FB			2	
			16	PCU: GND			1	
			17	PCU: Lubricant Near-End Sensor/M			32	
			18	PCU: +24VS2			31	
			19	PCU: HST_SCL			30	
			20	PCU: HST_SDA			29	
			21	PCU: HST Sensor/M/PWM			28	
			22	PCU: HST Sensor/+5V			27	
			23	PCU: HST Sensor/M/FB			26	
			24	PCU: GND			25	
			25	PCU: Lubricant Near-End Sensor/Y			24	
			26	PCU: +24VS2			23	
			27	PCU: HST_SCL			22	
			28	PCU: HST_SDA			21	
			29	PCU: HST Sensor/Y/PWM			20	
			30	PCU: HST Sensor/+5V			19	
			31	PCU: HST Sensor/Y/FB			18	
			32	PCU: GND			17	

D243/D244 Harness Pin Assignment

Harness No.	Connector (From)			Signal Information	Connector (To)			Note
	To Connector	Addr.	Pin No.		To Connector	Addr.	Pin No.	
14	Harness No.13 D1495328	CN1	1	PCU: HST/K:CTRL	Quenching Lamp:K	CN9	2	CN2, CN3, CN4, CN5: With relay connector
			2	PCU: HST/+24VS2			1	
			3	PCU: GND			6	
			4	PCU: HST/K:Output			5	
			5	PCU: HST:Power	Harness No.67 D2393499	CN2	4	
			6	PCU: HST/K:SEL			3	
			7	PCU: HST:SDA			2	
			8	PCU: HST:SCL			1	
			9	PCU: HST/C:CTRL	Quenching Lamp:C	CN6	2	
			10	PCU: HST/+24VS2			1	
			11	PCU: GND			6	
			12	PCU: HST/C:Output			5	
			13	PCU: HST:Power	Harness No.67 D2393499	CN3	4	
			14	PCU: HST/C:SEL			3	
			15	PCU: HST:SDA			2	
			16	PCU: HST:SCL			1	
			17	PCU: HST/M:CTRL	Quenching Lamp:M	CN7	2	
			18	PCU: HST/+24VS2			1	
			19	PCU: GND			6	
			20	PCU: HST/M:Output			5	
			21	PCU: HST:Power	Harness No.67 D2393499	CN4	4	
			22	PCU: HST/M:SEL			3	
			23	PCU: HST:SDA			2	
			24	PCU: HST:SCL			1	
			25	PCU: HST/Y:CTRL	Quenching Lamp:Y	CN8	2	
			26	PCU: HST/+24VS2			1	
			27	PCU: GND			6	
			28	PCU: HST/Y:Output			5	
			29	PCU: HST:Power	Harness No.67 D2393499	CN5	4	
			30	PCU: HST/Y:SEL			3	
			31	PCU: HST:SDA			2	
			32	PCU:HST:SCL			1	
15	Harness No.11 D2445326	CN1	1	Waste toner capacity sensor: GND	Waste Toner Capacity Detection Sensor	CN2	3	CN1: With relay connector
			2	Waste toner capacity sensor: Waste Toner Capacity Detection Sensor			2	
			3	Waste toner capacity sensor: +5V			1	
16	Harness No.6 D2395308	CN1	1	Fusing Exit Solenoid: Terminal 2(PWM)	Fusing Exit Solenoid	CN2	3	
			-	N.C.			2	
			2	Fusing Exit Solenoid: Terminal 1(+24VS2)			1	
17	Harness No.9 D2415324	CN1	1	ITB Contact and Release Sensor: GND	ITB Contact and Release Sensor	CN2	3	
			2	ITB Contact and Release Sensor: Signal			2	
			3	ITB Contact and Release Sensor: +5V			1	
18	Harness No.9 D2415324	CN1	1	Toner end Sensor: GND	Toner end Sensor	CN2	3	CN2: With relay connector
			2	Toner end Sensor: Signal			2	
			3	Toner end Sensor: +5VTEK			1	
19	BCU	CN101	1	IPI: GND	IPI	CN575	22	
			2	IPI: 5V			21	
			3	IPI: GMAC1/GAVD Sync Serial TX Data			20	
			4	IPI: GMAC1/GAVD Sync Serial RX Data			19	
			5	IPI: GMAC1/GAVD Sync Serial CLOCK			18	
			6	IPI: N.C.			17	
			7	IPI: GMAC1/GAVD Sync Serial CS0			16	
			8	IPI: N.C.			15	
			9	IPI: GMAC2 Sync Serial TX Data			14	
			10	IPI: GMAC2 Sync Serial RX Data			13	
			11	IPI: Memory to plotter Reset Signal			12	
			12	IPI: Scanner to Memory Reset Signal			11	
			13	IPI: GMAC2 Sync Serial CLOCK			10	
			14	IPI: GMAC2 Sync Serial CS0			9	
			15	IPI: ADF TX Data			8	
			16	IPI: ADF RX Data			7	
			17	IPI: IPI Interruption			6	
			18	IPI: Engine OFF: Elapsed Time0			5	
			19	IPI: Engine OFF: Elapsed Time1			4	
			20	IPI: L: Normal Start/H: Awaiting Rapi Opening			3	
			21	IPI: Full Operation Mode Detection Signal			2	
			22	IPI: IPI Start Detection Signal			1	
20	Harness No.6 D2395308	CN1	1	ID Sensor: 3.3V	ID Sensor: FRONT	CN2	5	
			2	ID Sensor: GND			4	
			3	ID Sensor: FRONT LED Drive			3	
			4	ID Sensor: FRONT Diffuse Reflection Sensor			2	
			5	ID Sensor: FRONT Specular Reflection Sensor			1	
			6	ID Sensor: 3.3V	ID Sensor: CENTER	CN3	5	
			7	ID Sensor: GND			4	
			8	ID Sensor: CENTER LED Drive			3	
			9	ID Sensor: CENTER Diffuse Reflection Sensor			2	
			10	ID Sensor: CENTER Specular Reflection Sensor Output			1	
			11	ID Sensor: 3.3V	ID Sensor: REAR	CN4	5	
			12	ID Sensor: GND			4	
			13	ID Sensor: REAR LED Drive			3	
			14	ID Sensor: REAR Diffuse Reflection Sensor			2	
			15	ID Sensor: REAR Specular Reflection Sensor			1	

Harness No.	Connector (From)			Signal Information	Connector (To)			Note
	To Connector	Addr.	Pin No.		To Connector	Addr.	Pin No.	
21	Harness No.22 D2415349	CN1	1	GND	MSENS1	CN2	6	CN1: With relay connector
			2	Sensor Signal			5	
			3	Sensor Power			4	
			4	Potionmeter Clock			3	
			5	Potionmeter Value Setting Signal			2	
			6	Potionmeter CS Signal			1	
			7	GND	MSENS1	CN3	6	
			8	Sensor Signal			5	
			9	Sensor Power			4	
			10	Potionmeter Clock			3	
			11	Potionmeter Value Setting Signal			2	
			12	Potionmeter CS Signal			1	
22	MSENS2	CN1	1	GND	Harness No.21 D2415348	CN3	12	
			2	Sensor Signal			11	
			3	Sensor Power			10	
			4	Potionmeter Clock			9	
			5	Potionmeter Value Setting Signal			8	
			6	Potionmeter CS Signal			7	
	MSENS2	CN2	1	GND			6	
			2	Sensor Signal			5	
			3	Sensor Power			4	
			4	Potionmeter Clock			3	
			5	Potionmeter Value Setting Signal			2	
			6	Potionmeter CS Signal			1	
23	Harness No.1 D2395300	CN1	-	N.C.	Fusing Drawer Harness No.80 D2414312 (100V) or Harness No.81 D2414313 (200V)	CN6	11	
			A1	Set Detection (P): GND			10	
			A2	Set Detection (C): GND			9	
			A3	Set Detection: NA			8	
			A4	Set Detection: EU			7	
			A5	Set Detection : Special Paper			6	
			-	N.C.			5	
			A6	New unit Detection Fuse			4	
			A7	New unit Detection Fuse: GND			3	
			-	N.C.			2	
			-	N.C.			1	
			-	N.C.			4	
			A8	Thermopile (Edge): +5V			3	
			A9	Thermopile (Edge): GND			2	
			A10	Thermopile (Edge): FB			1	
			-	N.C.			4	
			A11	Thermopile (Center): +5V			3	
A12	Thermopile (Center): GND	2						
A13	Thermopile (Center): FB	1						
A14	Thermopile (Exit): +5V	3						
A15	Thermopile (Exit): GND	2						
A16	Thermopile (Exit): FB	1						
A17	N.C.	-						
B1	N.C.	-						
B2	N.C.	-						
B3	N.C.	-						
B4	N.C.	-						
B5	N.C.	-						
-	N.C.	-						
B6	Non-Contact Thermistor (Edge): Detection	13						
B7	Non-Contact Thermistor (Edge): Compensation	12						
B8	Non-Contact Thermistor (Edge): GND	11						
B9	Non-Contact Thermistor (Center): Detection	10						
B10	Non-Contact Thermistor (Center): Compensation	9						
B11	Non-Contact Thermistor (Center): GND	8						
B12	Pressure Thermistor: Expanded End: FB	7						
B13	Pressure Thermistor: Expanded End: GND	6						
B14	Pressure Thermistor: End/2: FB	5						
B15	Pressure Thermistor: End/2: GND	4						
B16	Pressure Thermistor: Center: FB	3						
B17	Pressure Thermistor: Center: GND	2						
Screw	T1	GND	1					
PSU (AC)	CN985	1	HT1/N	Fusing Drawer Harness No.80 D2414312 (100V) or Harness No.81 D2414313 (200V)	CN7	1G		
		2	HT2/N			6		
		3	N.C.			5		
		4	HT1/L (reserve)			2		
		5	HT2/L			3		

D243/D244 Harness Pin Assignment

Harness No.	Connector (From)			Signal Information	Connector (To)			Note	Harness No.	Connector (From)			Signal Information	Connector (To)			Note
	To Connector	Addr.	Pin No.		To Connector	Addr.	Pin No.			To Connector	Addr.	Pin No.					
24	INLET	INLET	L	AC_IN_L	PSU (AC)	T900						1	FFC Connection Detection			40	
			N	AC_IN_N	PSU (AC)	T901						2	Power On Reset			39	
			E	EARTH	Screw	T1						3	IOB Start Check			38	
25	PSU (AC)	CN988	1	PSU (AC): AC_L_5V_24V	PSU (DC)	CN901	1					4	GND			37	
			2	N.C.			2					IOB Interruption			36		
			3	PSU (AC): AC_N_5V_24V			3					Addr. Path			35		
26	PSU (AC)	CN989	1	PCU Anti-condensation Heater_N	PCU Anti-condensation Heater	CN1	2					7	Addr. Path			34	
			2	Paper Feed Heater_N	Paper Feed Heater	CN2	2					8	Addr. Path			33	
			3	Bank Heater_N	Bank Heater	CN3	2					9	Addr. Path			32	
			4	PCU Anti-condensation Heater_L	PCU Anti-condensation Heater	CN1	1					10	Addr. Path			31	
			5	Paper Feed Heater_L	Paper Feed Heater	CN2	1					11	Addr. Path			30	
			6	Bank Heater_L	Bank Heater	CN3	1					12	Addr. Path			29	
27	Harness No.46 D2415392	CN1	1	Paper Feed Heater_L	Paper Feed Heater	CN2	1					13	Addr. Path			28	
			2	Paper Feed Heater_N			2					Addr. Path			27		
28	PSU (AC)	CN990	1	Anti-condensation Heater SW_L	Anti-condensation Heater SW	CN1	1					15	Addr. Path			26	
			2	Anti-condensation Heater SW_N			CN2					1	16	Addr. Path			25
29	HVP: TTS		T1	Image Transfer T1: Y	Image Transfer		T6	-				17	Addr. Path			24	
			T2	Image Transfer T1: M			T7	-				18	Addr. Path			23	
			T3	Image Transfer T1: C			T8	-				19	Addr. Path			22	
			T4	Image Transfer T1: K			T9	-				20	Addr. Path			21	
			T5	Paper Transfer T2			T10	-				21	Addr. Path			20	
30	BCU		1	FFC Connection Detection	IPU		50	-				22	Addr. Path			19	
			2	GND			49	-				23	Addr. Path			18	
			3	IPU Addr. Path18			48	-				24	Addr. Path			17	
			4	IPU Addr. Path17			47	-				25	Addr. Path			16	
			5	IPU Addr. Path16			46	-				26	GND			15	
			6	IPU Addr. Path15			45	-				27	Data Path			14	
			7	IPU Addr. Path14			44	-				28	Data Path			13	
			8	IPU Addr. Path13			43	-				29	Data Path			12	
			9	IPU Addr. Path12			42	-				30	Data Path			11	
			10	IPU Addr. Path11			41	-				31	Data Path			10	
			11	IPU Addr. Path10			40	-				32	Data Path			9	
			12	GND			39	-				33	Data Path			8	
			13	IPU Addr. Path9			38	-				34	Data Path			7	
			14	IPU Addr. Path8			37	-				35	GND			6	
			15	IPU Addr. Path7			36	-				36	GND			5	
			16	IPU Addr. Path6			35	-				37	IOB Chip Cell			4	
			17	IPU Addr. Path5			34	-				38	IOB Read			3	
			18	IPU Addr. Path4			33	-				39	IOB Write			2	
			19	IPU Addr. Path3			32	-				40	FFC Connection Detection			1	
			20	IPU Addr. Path2			31	-				1	FFC Connection Detection			50	
			21	IPU Addr. Path1			30	-				2	IOB Write Strobe Signal			49	
			22	GND			29	-				3	IOB Read Signal			48	
			23	IPU Data Path31			28	-				4	GND			47	
			24	IPU Data Path30			27	-				5	IOB1 Chip Select			46	
			25	IPU Data Path29			26	-				6	IOB2 Chip Select			45	
			26	IPU Data Path28			25	-				7	IOB3 Chip Select			44	
			27	IPU Data Path27			24	-				8	GND			43	
			28	IPU Data Path26			23	-				9	IOB Data24			42	
			29	IPU Data Path25			22	-				10	IOB Data25			41	
			30	IPU Data Path24			21	-				11	IOB Data26			40	
			31	GND			20	-				12	IOB Data27			39	
			32	IPU Data Path23			19	-				13	IOB Data28			38	
			33	IPU Data Path22			18	-				14	IOB Data29			37	
			34	IPU Data Path21			17	-				15	IOB Data30			36	
			35	IPU Data Path20			16	-				16	IOB Data31			35	
			36	IPU Data Path19			15	-				17	GND			34	
			37	IPU Data Path18			14	-				18	IOB Addr.0			33	
			38	IPU Data Path17			13	-				19	IOB Addr.1			32	
			39	IPU Data Path16			12	-				20	IOB Addr.2			31	
			40	GND			11	-				21	IOB Addr.3			30	
			41	Not Use(Ander Chip Delete)			10	-				22	IOB Addr.4			29	
			42	Not Use(Patmos2 Chip Delete)			9	-				23	IOB Addr.5			28	
			43	Macaron2 Chip Select			8	-				24	IOB Addr.6			27	
			44	Macaron1 Chip Select			7	-				25	IOB Addr.7			26	
			45	CDS Chip Select			6	-				26	GND			25	
			46	IPU Write Signal			5	-				27	IOB Addr.8			24	
			47	IPU Read Signal			4	-				28	IOB Addr.9			23	
			48	IPU Read Write Signal (L: Write)			3	-				29	IOB Addr.10			22	
			49	GND			2	-				30	IOB Addr.11			21	
			50	FFC Connection Detection			1	-				31	IOB Addr.12			20	
				32	IOB Addr.13			19									
				33	IOB Addr.14			18									
				34	IOB Addr.15			17									
				35	IOB Addr.16			16									
				36	IOB Addr.17			15									
				37	IOB Addr.18			14									
				38	IOB Addr.19			13									
				39	GND			12									
				40	IOB1 Interruption			11									
				41	IOB2 Interruption			10									
				42	GND			9									
				43	IOB Start Detection Signal			8									
				44	Power On Reset Signal			7									
				45	GND			6									
				46	HST Sensor SCL Signal			5									
				47	HST Sensor SDA Signal			4									
				48	ID-TAG SCL Signal			3									
				49	ID-TAG SDA Signal			2									
				50	FFC Connection Detection			1									

D243/D244 Harness Pin Assignment

Harness No.	Connector (From)			Signal Information	Connector (To)			Note				
	To Connector	Addr.	Pin No.		To Connector	Addr.	Pin No.					
55	Harness No.1 D2395300	CN1	1	Registration Sensor: GND	Registration Sensor	CN2	3	CN1: With relay connector				
			2	Registration Sensor: Sensor Signal			2					
			3	Registration Sensor: +5V			1					
56	Harness No.1 D2395300	CN1	1	Pick-up Solenoid: Terminal1 (+24VS2)	N.C.	CN6	2	CN2, CN3: With relay connector				
			2	Pick-up Solenoid: Terminal2 (PWM)			1					
			3	N.C.			-					
			4	N.C.			-					
			5	N.C.			-					
	Harness No.5 D2415307	CN1	6	Transport Sensor: GND	Transport Sensor	CN3	3					
			7	Transport Sensor: Sensor Signal			2					
			8	Transport Sensor: +5V			1					
			9	Paper End Sensor: GND	Paper End Sensor(Feed Tray)	CN4	3					
			10	Paper End Sensor: Sensor Signal			2					
			11	Paper End Sensor: +5V			1					
			12	Limit Sensor: GND	Limit Sensor(Feed Tray)	CN5	3					
			13	Limit Sensor: Sensor Signal			2					
			14	Limit Sensor: +5V			1					
57	Harness No.1 D2395300	CN1	1	PTR Open/Close LED: CTRL	PTR Open/Close LED	CN3	2	CN1: With relay connector				
			2	PTR Open/Close LED: +5V			1					
			3	Fusing Entrance Sensor: GND			Fusing Entrance Sensor		CN2	3		
			4	Fusing Entrance Sensor: Sensor Signal						2		
			5	Fusing Entrance Sensor: +5V						1		
58	Harness No.1 D2395300	CN1	1	By-pass/Duplex Motor: ENC: A Phase	By-pass/Duplex Motor	CN3	8	CN4: With relay connector				
			2	By-pass/Duplex Motor: ENC: B Phase			7					
			3	By-pass/Duplex Motor: +5V			6					
			4	By-pass/Duplex Motor: CW/CCW (Low)			5					
			5	By-pass/Duplex Motor: PWM			4					
			6	By-pass/Duplex Motor: BRK (Low)			3					
			7	By-pass/Duplex Motor: GND			2					
			8	By-pass/Duplex Motor: +24VS2			1					
			9	Duplex Entrance Sensor: GND			5					
			10	Duplex Entrance Sensor: Sensor Signal	4	Harness No.59 D2414698	CN4		4			
			11	Duplex Entrance Sensor: +5V	3							
			12	Duplex Exit Sensor: GND	3							
			13	Duplex Exit Sensor: Sensor Signal	2				Duplex Exit Sensor	CN6	2	
			14	Duplex Exit Sensor: +5V	1							
			15	Duplex Unit Open/Close Sensor: SW Terminal2	2							
			16	Duplex Unit Open/Close Sensor: SW Terminal1	1				Duplex Unit Open/Close Sensor	CN5	1	
			17	N.C.	-							
			18	N.C.	-							
59	Harness No.58 D2414696	CN1	1	Duplex Entrance Sensor: GND	Duplex Entrance Sensor	CN2	3					
			2	Duplex Entrance Sensor: Sensor Signal			2					
			3	Duplex Entrance Sensor: +5V			1					
			4	N.C.			-					
			5	N.C.			-					
60	Harness No.1 D2395300	CN1	1	By-pass Pick-up Solenoid: Terminal 2 (PWM)	By-pass Pick-up Solenoid	CN2	5	CN1: With relay connector				
			2	By-pass Pick-up Solenoid: Terminal 1 (+24VS2)			4					
			3	By-pass Paper End Sensor: GND			3					
			4	By-pass Paper End Sensor: Sensor Signal			2					
			5	By-pass Paper End Sensor: +5V			1					
			Harness No.61 D2412661	CN1	6	By-pass Paper Length Sensor: SW Terminal3	By-pass Paper Length Sensor		CN3	9		
					7	By-pass Paper Length Sensor: SW Terminal5				8		
					8	By-pass Paper Length Sensor: SW Terminal4				7		
					9	By-pass Paper Length Sensor: COM Terminal				6		
					10	By-pass Paper Length Sensor: SW Terminal1				5		
					11	By-pass Paper Length Sensor: SW Terminal2				4		
					12	By-pass Paper Size Sensor: GND				3		
					13	By-pass Paper Size Sensor: Sensor Signal				2		
					14	By-pass Paper Size Sensor: +5V				1		
61	Harness No.60 D2412661	CN1	1	By-pass Pick-up Solenoid: Terminal 2 (PWM)	By-pass Pick-up Solenoid	CN2	3	CN1: With relay connector				
			2	N.C.			2					
			3	By-pass Pick-up Solenoid: Terminal 1 (+24VS2)	By-pass Paper End Sensor	CN3	1					
			4	By-pass Paper End Sensor: GND			3					
			5	By-pass Paper End Sensor: Sensor Signal			2					
			62	Harness No.60 D2412661	CN1	6	By-pass Paper Length Sensor: SW Terminal3		By-pass Paper Length Sensor	CN2	7	CN1: With relay connector
						7	By-pass Paper Length Sensor: SW Terminal5				6	
						8	By-pass Paper Length Sensor: SW Terminal4				5	
						9	N.C.				4	
10	By-pass Paper Length Sensor: COM Terminal	3										
11	By-pass Paper Length Sensor: SW Terminal1	2										
12	By-pass Paper Length Sensor: SW Terminal2	1										
13	By-pass Paper Size Sensor: GND	By-pass Paper Size Sensor				CN3	3					
14	By-pass Paper Size Sensor: Sensor Signal						2					
15	By-pass Paper Size Sensor: +5V		1									

Harness No.	Connector (From)			Signal Information	Connector (To)			Note
	To Connector	Addr.	Pin No.		To Connector	Addr.	Pin No.	
64	Harness No.1 D2395300	CN1	1	Exit Junction Solenoid: Terminal1 (+24VS2)	Exit Junction Solenoid	CN2	2	CN2, CN3: With relay connector
			2	Exit Junction Solenoid: Terminal2 (PWM)			1	
			3	Inversion Sensor: GND			Inversion Sensor	
			4	Inversion Sensor: Sensor Signal	2			
			5	Inversion Sensor: +5V	1			
			6	Paper Exit Sensor: GND	Paper Exit Sensor	CN5	3	
			7	Paper Exit Sensor: Sensor Signal			2	
			8	Paper Exit Sensor: +5V			1	
			9	N.C.	-	-	-	
			10	N.C.	-	-	-	
			11	N.C.	-	-	-	
			12	Inversion Motor: XB Phase	Inversion Motor	CN3	4	
			13	Inversion Motor: B Phase			3	
			14	Inversion Motor: XA Phase			2	
			15	Inversion Motor: A Phase			1	
16	N.C.	-	-	-				
67	Harness No.14 D2445329	CN1	1	PCU: GND	HST	CN2	6	
			2	PCU: HST:Output			5	
			3	PCU: HST:Power			4	
			4	PCU: HST:SEL			3	
			5	PCU: HST:SDA			2	
			6	PCU: HST:SCL			1	
69	IPI	CN587	8	DATA_K_N	IPI	CN588	1	CN1,CN2,CN3,CN4: With relay connector
			7	DATA_K			2	
			6	DATA_C_N			3	
			5	DATA_C			4	
			4	DATA_Y_N			5	
			3	DATA_Y			6	
			2	DATA_M_N			7	
			1	DATA_M			8	
			11	DROPEN_KC			1	
			10	ERR_KC_N			2	
	9	APC_KC_N	3					
	8	GND	4					
	7	SYCLK_KC	5					
	6	SYCLK_KC_N	6					
	5	SYDI_KC	7					
	4	SYDO_KC	8					
	3	+5VS	9					
	2	+5VS	10					
	1	GND	11					
	IPI	CN589	-	N.C.	IPI	CN586	12	
			10	GND			13	
			9	SYCLK_YM			14	
8			SYCLK_YM_N	15				
7			SYDI_YM	16				
6			SYDO_YM	17				
5			ERR_YM_N	18				
4			APC_YM_N	19				
3			+5VS	20				
2			+5VS	21				
1			GND	22				
11			Y Sync GND	Y Sync			CN3	1
10	Y Sync VCC	2						
9	Y Sync Signal	3						
8	K Sync GND	4						
7	K Sync VCC	5						
6	K Sync Signal	6						
5	Polygon Mirror Motor CLOCK	7						
4	Polygon Mirror Motor READY	8						
3	Polygon Mirror Motor ON	9						
2	Polygon Mirror Motor GND	10						
1	Polygon Mirror Motor DV24V	11						

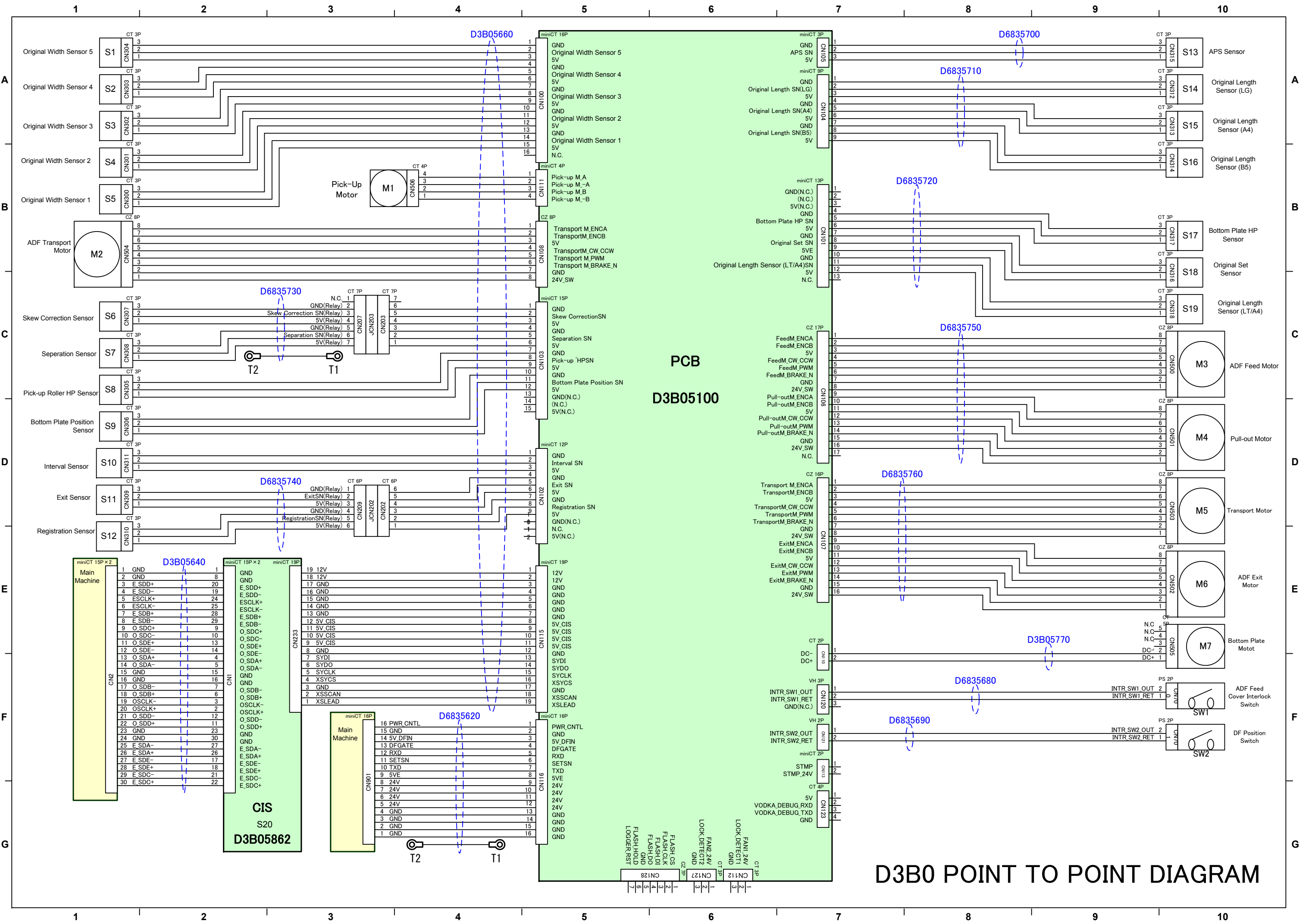
D243/D244 Harness Pin Assignment

Harness No.	Connector (From)			Signal Information	Connector (To)			Note	
	To Connector	Addr.	Pin No.		To Connector	Addr.	Pin No.		
69	Image Processing IOB	CN220	15	Skew Motor: C: A Phase	Harness No.71 D2425235	CN4	1	CN1,CN2,CN3,CN4: With relay connector	
			14	Skew Motor: C: B Phase			2		
			13	+24V			3		
			12	Skew Motor: C: /B Phase			4		
			11	Skew Motor: C: /A Phase			5		
			10	Skew Motor: M: A Phase			6		
			9	Skew Motor: M: B Phase			7		
			8	+24V			8		
			7	Skew Motor: M: /B Phase			9		
			6	Skew Motor: M: /A Phase			10		
			5	Skew Motor: Y: A Phase			11		
			4	Skew Motor: Y: B Phase			12		
			3	+24V			13		
			2	Skew Motor: Y: /B Phase			14		
			1	Skew Motor: Y: /A Phase			15		
71	Harness No.69 D2395237	CN13	11	Y Sync GND	Sync Detection Y	CN1	1		
			10	Y Sync VCC			2		
			9	Y Sync Signal	3				
			8	K Sync GND	Sync Detection K	CN2	1		
			7	K Sync VCC			2		
			6	K Sync Signal	3				
			5	Polygon Mirror Motor CLOCK	Polygon Mirror Motor	CN3	1		
	4	Polygon Mirror Motor READY	2						
	3	Polygon Mirror Motor ON	3						
	2	Polygon Mirror Motor GND	4						
	1	Polygon Mirror Motor DV24V	5						
	71	Harness No.69 D2395237	CN220	15	Skew Motor: C: A Phase	C Skew Motor	CN6		1
				14	Skew Motor: C: B Phase				2
				13	+24V				3
				12	Skew Motor: C: /B Phase				4
11				Skew Motor: C: /A Phase	5				
10				Skew Motor: M: A Phase	M Skew Motor			CN5	1
9				Skew Motor: M: B Phase					2
8				+24V					3
7				Skew Motor: M: /B Phase					4
6				Skew Motor: M: /A Phase					5
5				Skew Motor: Y: A Phase	Y Skew Motor			CN4	1
4				Skew Motor: Y: B Phase					2
3				+24V					3
2				Skew Motor: Y: /B Phase					4
1				Skew Motor: Y: /A Phase					5
73	Harness No.69 D2395237	CN11	8	DATA_K_N	LDB:KC	CN1	1		
			7	DATA_K			2		
			6	DATA_C_N			3		
			5	DATA_C			4		
			4	DATA_Y_N	LDB:YM	CN3	1		
			3	DATA_Y			2		
			2	DATA_M_N			3		
			1	DATA_M			4		
			-	N.C.	5				
			73	Harness No.69 D2395237	CN12	11	DROPEN	LDB:KC	CN2
	10	ERR_KC_N				2			
	9	APC_KC_N				3			
	8	GND				4			
	7	SYCLK_KC				5			
	6	SYCLK_KC_N				6			
	5	SYDI_KC				7			
	4	SYDO_KC				8			
	3	+5VS				9			
	2	+5VS				10			
	1	GND				11			
	22	N.C.				-			
	21	GND				1			
	20	SYCLK_MY				2			
	19	SYCLK_MY_N				3			
	18	SYDI_MY	4						
17	SYDO_MY	5							
16	ERR_MY_N	6							
15	APC_MY_N	7							
14	+5VS	8							
13	+5VS	9							
12	GND	10							

Harness No.	Connector (From)			Signal Information	Connector (To)			Note	
	To Connector	Addr.	Pin No.		To Connector	Addr.	Pin No.		
75	IPU	-	1	Serial CS	SBU	-	50		
			2	Serial TX Data			49		
			3	Serial CLOCK			48		
			4	GND			47		
			5	White Board Erea Signal			46		
			6	Effective Original Erea			45		
			7	GND			44		
			8	LED Control			43		
			9	LED Light			42		
			10	GND			41		
			11	24V			40		
			12	24V			39		
			13	24V			38		
			14	GND			37		
			15	GND			36		
			16	GND			35		
			17	6V			34		
			18	6V			33		
			19	6V			32		
			20	GND			31		
			21	10V			30		
			22	10V			29		
			23	GND			28		
			24	3.3V			27		
			25	3.3V			26		
			26	3.3V			25		
			27	GND			24		
			28	GND			23		
			29	GND			22		
			30	GND			21		
			31	GND			20		
			32	LVDS Data E(+)			19		
			33	LVDS Data E(-)			18		
			34	GND			17		
			35	LVDS Data D(+)			16		
			36	LVDS Data D(-)			15		
			37	GND			14		
			38	LVDS Transfer clk(+)			13		
			39	LVDS Transfer clk(-)			12		
			40	GND			11		
			41	LVDS Data C(+)			10		
			42	LVDS Data C(-)			9		
			43	GND			8		
			44	LVDS Data B(+)			7		
			45	LVDS Data B(-)			6		
			46	GND			5		
			47	LVDS Data A(+)			4		
			48	LVDS Data A(-)			3		
			49	GND			2		
			50	Serial RX Data			1		
76	IPU	CN318	1	GND	Carriage HP Sensor	CN1	3		
			2	HPS_SENS			2		
			3	+5V			1		
			4	GND			3		
			5	XAKS			Pressure Plate Open/Close Sensor	CN2	2
6	5VE_AKS	1							
77	IPU	CN313	1	GND	Original Size Sensor/A	CN1	3		
			2	APS1_V			2		
			3	VCC_APS			1		
			4	GND			3		
			5	APS2_V			Original Size Sensor/B	CN2	2
			6	VCC_APS					1
			7	N.C.			-		
78	IPU	CN314	2	B	Scanner Motor	CN1	1		
			-	N.C.			2		
			1	B			3		
			4	A			4		
			-	N.C.			5		
3	A	6							

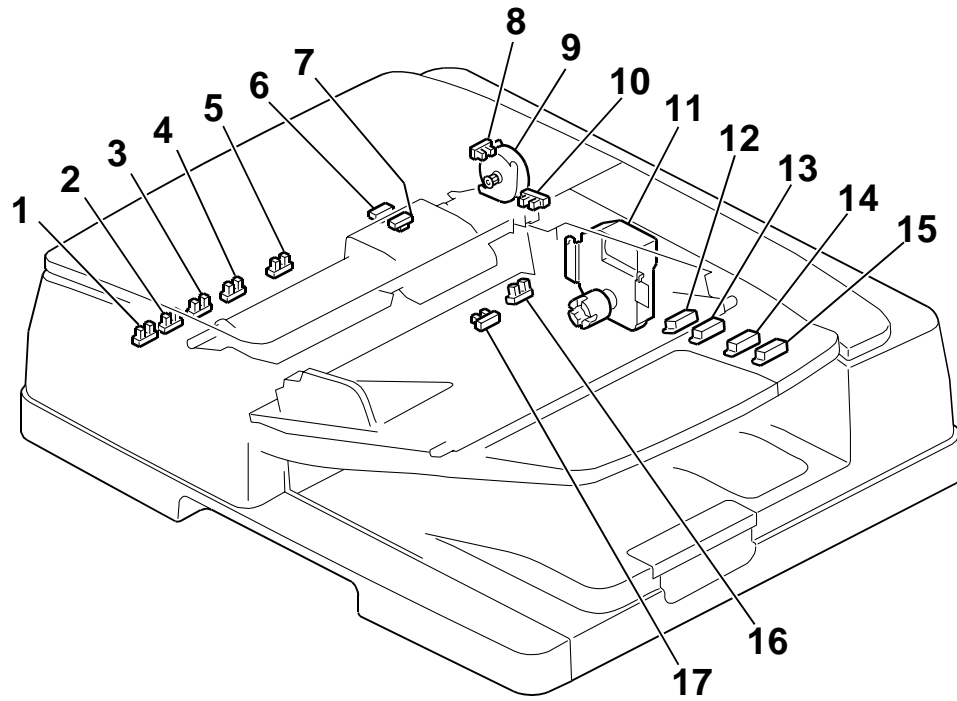
D243/D244 Harness Pin Assignment

Harness No.	Connector (From)			Signal Information	Connector (To)			Note			
	To Connector	Addr.	Pin No.		To Connector	Addr.	Pin No.				
80	Harness No.23 D2395355	CN1	1	GND	Screw	T1	-	CN4,CN5,CN6,CN7: With relay connector			
			2	N.C.	-	-	-				
			3	HT1/L	Screw	T3	-				
			4	HT2/L	Screw	T4	-				
			5	HT2/N	Heating Edge Heater	CN8	1				
			6	HT1/N	Heating Center Heater		2				
		CN2	1	Pressure Thermistor: Center: GND	Pressure Thermistor: Center	CN4	2				
			2	Pressure Thermistor: Center: FB	Center		1				
			3	Pressure Thermistor: End: GND	Pressure Thermistor: End/2	CN5	4				
			4	Pressure Thermistor: End: FB	End/2		3				
			5	Pressure Thermistor: Expanded End: GND	Pressure Thermistor: Expanded End	CN5	2				
			6	Pressure Thermistor: Expanded End: FB	Expanded End		1				
			7	Non-Contact Thermistor (Center): GND	Non-Contact Thermistor1	CN6	6				
			8	Non-Contact Thermistor (Center): Compensation			5				
			9	Non-Contact Thermistor (Center):Detection	Non-Contact Thermistor2	CN6	4				
			10	Non-Contact Thermistor (Edge): GND			3				
			11	Non-Contact Thermistor (Edge): Compensation			2				
			12	Non-Contact Thermistor (Edge): Detection			1				
		13	N.C.	-	-	-					
		CN3	1	N.C.	-	-	-				
			2	N.C.	-	-	-				
			3	NewUnit Detection Fuse: GND	NewUnit Detection Fuse	CN7	2				
			4	NewUnit Detection Fuse			1				
			5	N.C.	-	-	-				
			6	N.C.(Detection for Fusing Unit Setting and Destination: Special Paper)	-	-	-				
			7	N.C.(Detection for Fusing Unit Setting and Destination: 200V)	-	-	-				
			8	Detection for Fusing Unit Setting and Destination:100V	Fusing Unit Setting: 100V	CN3	9				
			10	N.C(Detection for Fusing Unit Setting and Destination:P)	-		-		-		
			11	N.C.	-		-		-		
			81	Harness No.23 D2395355	CN1	1	GND		Screw	T1	-
		2				N.C.	-		-	-	
		3				HT1/L	Screw		T3	-	
		4				HT2/L	Screw		T4	-	
5	HT2/N	Heating Edge Heater				CN8	1				
6	HT1/N	Heating Center Heater					2				
CN2	1	Pressure Thermistor: Center: GND			Pressure Thermistor: Center	CN4	2				
	2	Pressure Thermistor: Center: FB			Center		1				
	3	Pressure Thermistor: End: GND			Pressure Thermistor: End/2	CN5	4				
	4	Pressure Thermistor: End: FB			End/2		3				
	5	Pressure Thermistor: Expanded End: GND			Pressure Thermistor: Expanded End	CN5	2				
	6	Pressure Thermistor: Expanded End: FB			Expanded End		1				
	7	Non-Contact Thermistor (Center): GND			Non-Contact Thermistor1	CN6	6				
	8	Non-Contact Thermistor (Center): Compensation					5				
	9	Non-Contact Thermistor (Center):Detection			Non-Contact Thermistor2	CN6	4				
	10	Non-Contact Thermistor (Edge): GND					3				
	11	Non-Contact Thermistor (Edge): Compensation					2				
	12	Non-Contact Thermistor (Edge): Detection					1				
13	N.C.	-			-	-					
CN3	1	N.C.			-	-	-				
	2	N.C.			-	-	-				
	3	NewUnit Detection Fuse: GND			NewUnit Detection Fuse	CN7	2				
	4	NewUnit Detection Fuse					1				
	5	N.C.			-	-	-				
	6	N.C.(Detection for Fusing Unit Setting and Destination: Special Paper)			-	-	-				
	7	Detection for Fusing Unit Setting and Destination: 200V			Fusing Unit Setting: 200V	CN3	9				
	8	N.C.(Detection for Fusing Unit Setting and Destination: 100V)			-		-	-			
	10	N.C(Detection for Fusing Unit Setting and Destination:P)			-		-	-			
	11	N.C.			-	-	-				

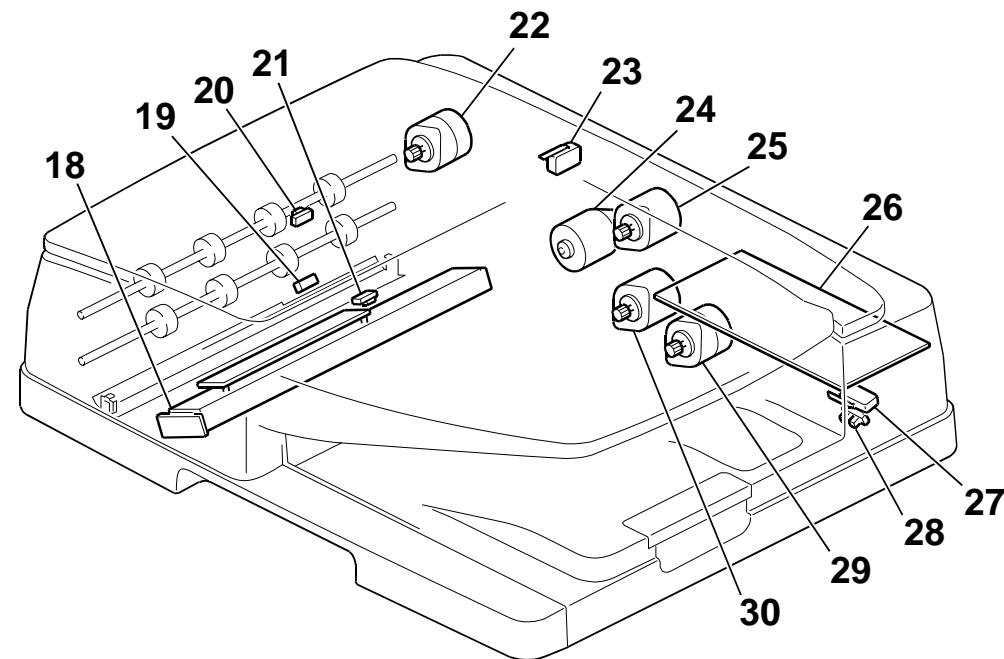


D3B0 POINT TO POINT DIAGRAM

D3B0 ELECTRICAL COMPONENT LAYOUT

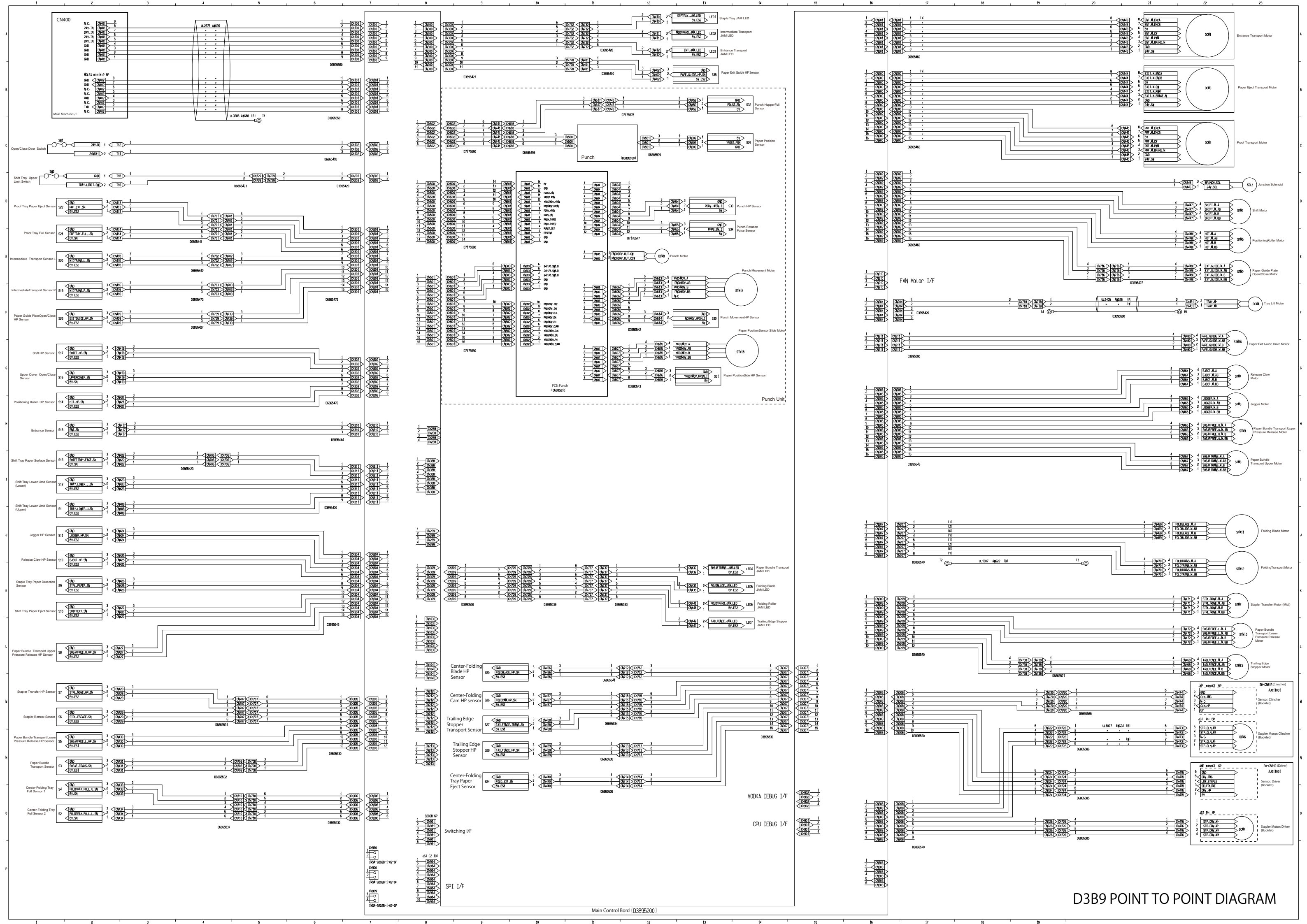


d1359901.wmf



d1359902.wmf

Symbol	Index No.	Description	P to P
Sensors			
S1	1	Original Width Sensor 5	A2
S2	2	Original Width Sensor 4	A2
S3	3	Original Width Sensor 3	B2
S4	4	Original Width Sensor 2	B2
S5	5	Original Width Sensor 1	B2
S6	7	Skew Correction Sensor	C2
S7	6	Seperation Sensor	D2
S8	10	Pick-up Roller HP Sensor	D2
S9	8	Bottom Plate Position Sensor	D2
S10	19	Interval Sensor	D2
S11	21	Exit Sensor	E2
S12	20	Registration Sensor	E2
S13	28	APS Sensor	A9
S14	15	Original Length Sensor (LG)	A9
S15	14	Original Length Sensor (A4)	B9
S16	13	Original Length Sensor (B5)	B9
S17	17	Bottom Plate HP Sensor	B9
S18	16	Original Set Sensor	B9-C9
S19	12	Original Length Sensor (LT/A4)	C9
S20	18	CIS	F2
Motors			
M1	9	Pick-up Motor	B3
M2	22	ADF Transport Motor	C2
M3	24	ADF Feed Motor	C9
M4	25	Pull-out Motor	D9
M5	30	Transport Motor	D9
M6	29	ADF Exit Motor	E9
M7	11	Bottom Plate Motor	E9
Switches			
SW1	23	ADF Feed Cover Interlock switch	F9
SW2	27	DF Position Switch	F9
PCB			
PCB1	26	ADF Control Board	D5-D6



D3B9 POINT TO POINT DIAGRAM

D3B9 ELECTRICAL COMPONENT LAYOUT(1/2)

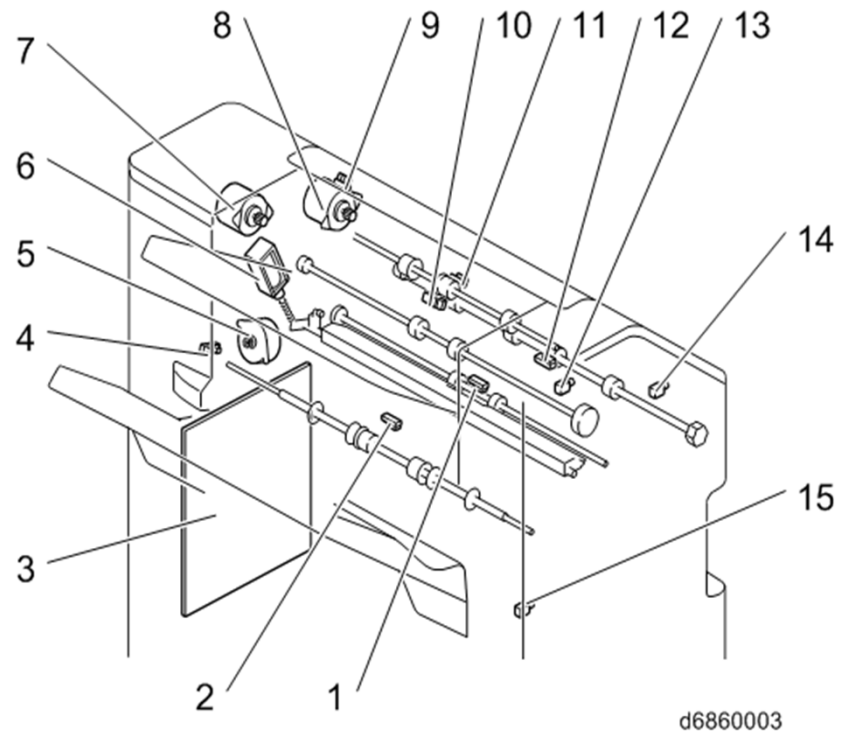


Fig.1

d6860003

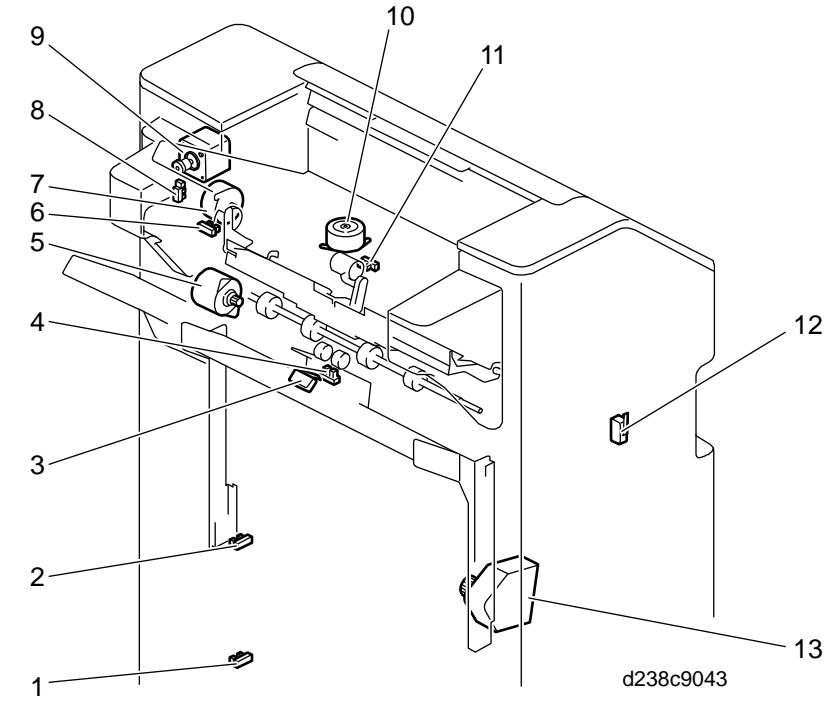


Fig.2

d238c9043

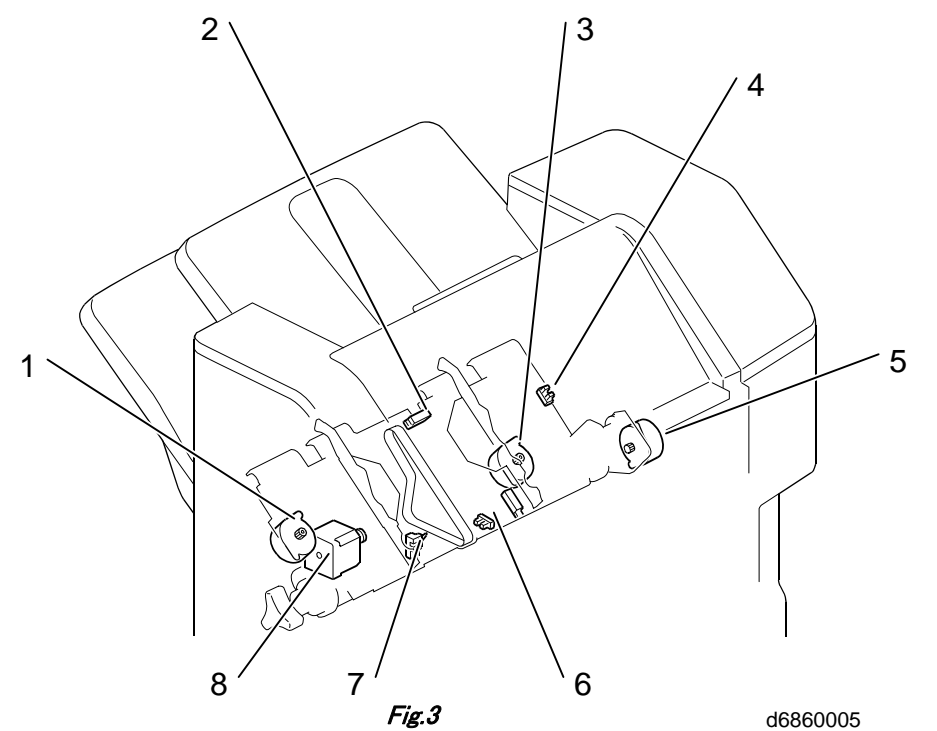


Fig.3

d6860005

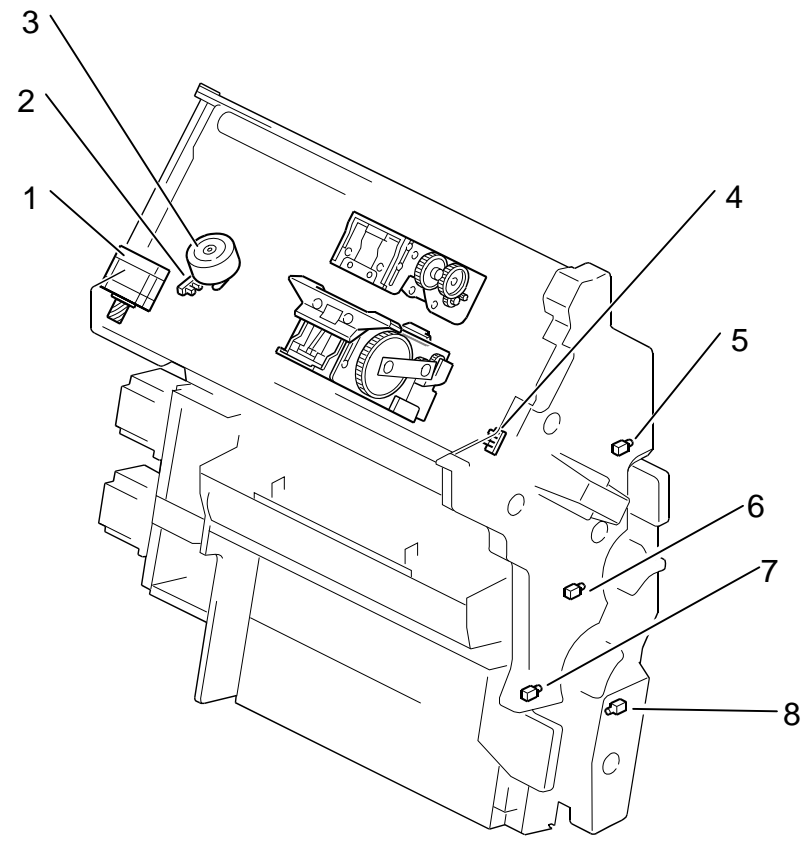


Fig.4

d6860006

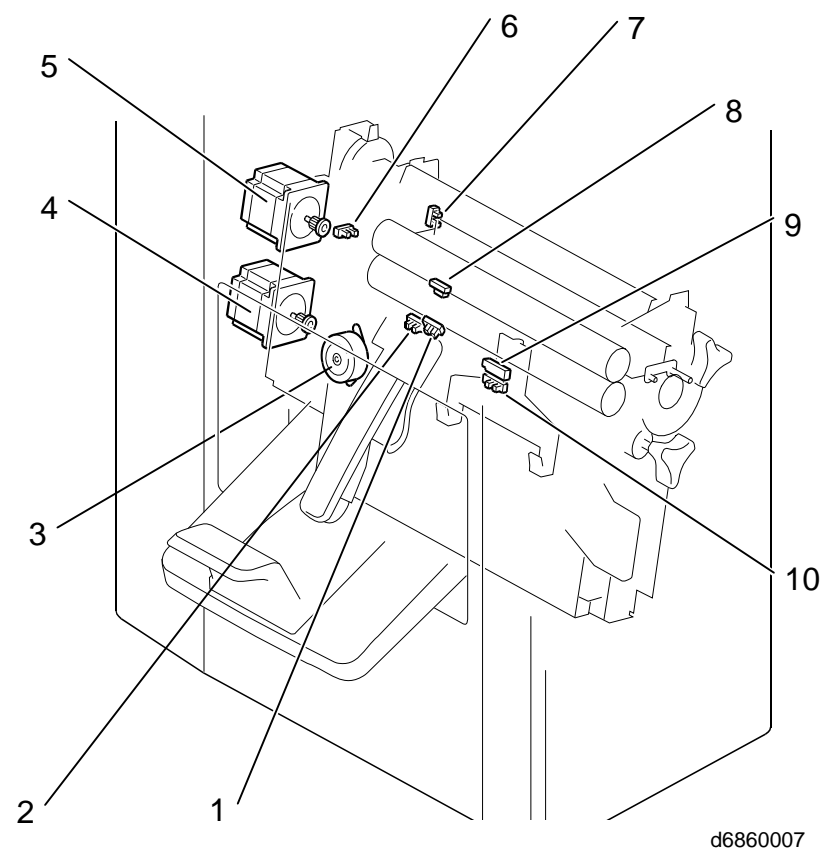


Fig.5

d6860007

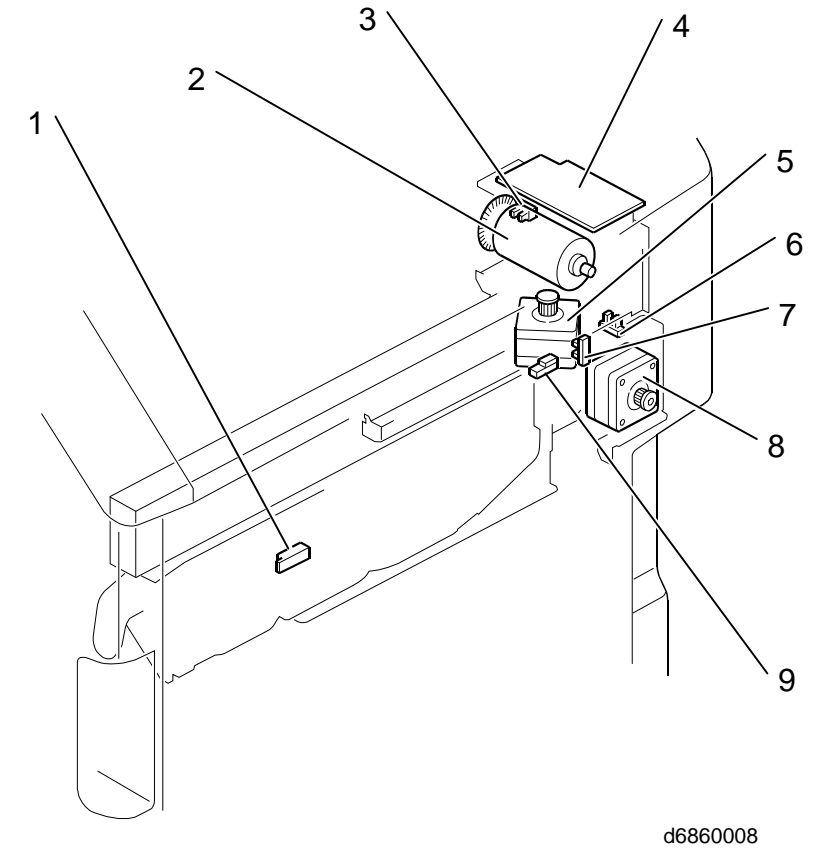


Fig.6

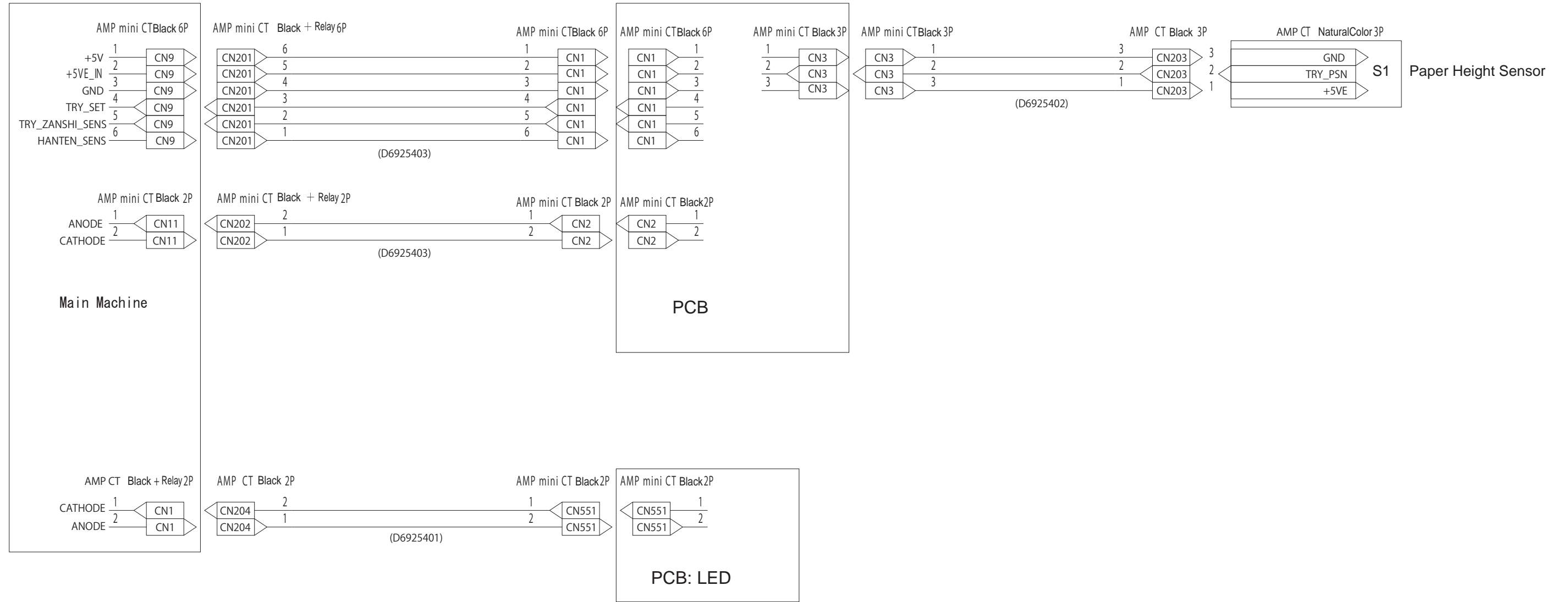
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D3B9 ELECTRICAL COMPONENT LAYOUT(2/2)

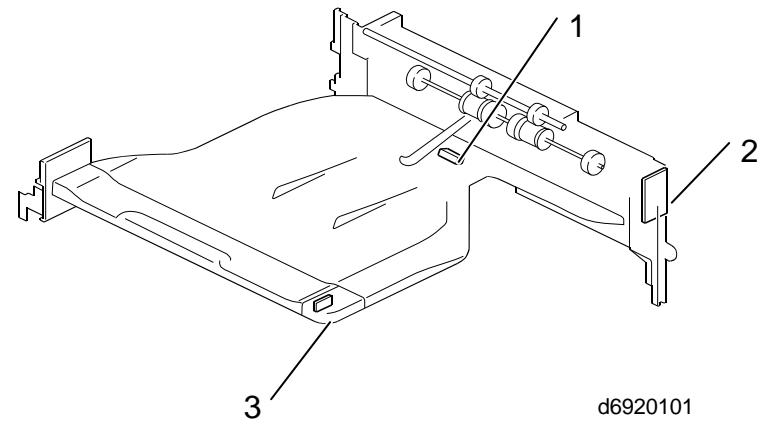
Symbol	Index No.	Description	P to P
Sensors			
S1	Fig.2-1	Shift Tray Lower Limit Sensor (Upper)	I1
S2	Fig.5-2	Center-Folding Tray Full Sensor 2	O1
S3	-	Paper Bundle Transport Sensor	N1
S4	Fig.5-1	Center-Folding Tray Full Sensor 1	O1
S5	Fig.4-2	Paper Bundle Transport Lower Pressure Release HP Sensor	N1
S6	-	Stapler Retreat Sensor	M1
S7	Fig.4-4	Stapler Transfer HP Sensor	M1
S8	-	Paper Bundle Transport Upper Pressure Release HP Sensor	L1
S9	Fig.3-6	Staple Tray Paper Detection Sensor	K1
S10	Fig.3-7	Release Claw HP Sensor	J1
S11	Fig.3-4	Jogger HP Sensor	J1
S12	Fig.2-2	Shift Tray Lower Limit Sensor (Lower)	I1
S13	Fig.2-4	Shift Tray Paper Surface Sensor	I1
S14	Fig.2-6	Positioning Roller HP Sensor	H1
S15	Fig.3-2	Shift Tray Paper Eject Sensor	K1
S16	Fig.1-9	Upper Cover Open/Close Sensor	G1
S17	Fig.1-4	Shift HP Sensor	G1
S18	Fig.1-12	Entrance Sensor	H1
S19	Fig.1-1	Intermediate Transport Sensor R	F1
S20	Fig.1-2	Intermediate Transport Sensor L	E1
S21	Fig.1-10	Proof Tray Full Sensor	E1
S22	Fig.1-11	Proof Tray Paper Eject Sensor	D1
S23	Fig.2-11	Paper Guide Plate Open/Close HP Sensor	F1
S24	Fig.5-8	Center-Folding Tray Paper Eject Sensor	N1
S25	Fig.5-7	Center-Folding Blade HP Sensor	M9
S26	Fig.5-6	Center-Folding Cam HP sensor	M9
S27	Fig.5-9	Trailing Edge Stopper Transport Sensor	M9
S28	Fig.5-10	Trailing Edge Stopper HP Sensor	N9
S29	Fig.6-9	Paper Position Sensor	C14
S30	Fig.6-6	Punch Movement HP Sensor	F13
S31	Fig.6-7	Paper Position Side HP Sensor	G13
S32	Fig.6-1	Punch Hopper Full Sensor	B14
S33	Fig.6-3	Punch HP Sensor	D13
S34	-	Punch Rotation Pulse Sensor	D13
S35	Fig.2-8	Paper Exit Guide HP Sensor	B13

Symbol	Index No.	Description	P to P
Motors			
STM1	Fig.1-5	Shift Motor	D23
STM2	Fig.2-10	Paper Guide Plate Open/Close Motor	E23
STM3	Fig.3-1	Jogger Motor	H23
STM4	Fig.3-8	Release Claw Motor	G23
STM5	Fig.2-7	Positioning Roller Motor	E23
STM7	Fig.4-1	Stapler Transfer Motor (Mid.)	K23
STM8	Fig.3-5	Paper Bundle Transport Upper Motor	I23
STM9	Fig.3-3	Paper Bundle Transport Upper Pressure Release Motor	H23
STM10	Fig.4-3	Paper Bundle Transport Lower Pressure Release Motor	L23
STM11	Fig.5-4	Folding Blade Motor	J23
STM12	Fig.5-5	Folding Transport Motor	K23
STM13	Fig.5-3	Trailing Edge Stopper Motor	L23
STM14	Fig.6-5	Punch Movement Motor	E14
STM15	Fig.6-8	Paper Position Sensor Slide Motor	F14
STM16	Fig.2-9	Paper Exit Guide Drive Motor	F23
DCM1	Fig.1-8	Entrance Transport Motor	A23
DCM2	Fig.1-7	Proof Transport Motor	C23
DCM3	Fig.2-5	Paper Eject Transport Motor	B23
DCM4	Fig.2-13	Tray Lift Motor	F23
DCM6	-	Stapler Motor: Clincher(Booklet)	N23
DCM7	-	Stapler Driver(Booklet)	O23
DCM8	Fig.6-2	Punch Motor	E12
Switches			
SW1	Fig.2-12	Open/Close Door Switch	C1
SW2	Fig.2-3	Shift Tray Upper Limit Switch	D1
LEDs			
LED1	Fig.1-15	Staple Tray JAM LED	A13
LED2	Fig.1-13	Intermediate Transport JAM LED	A13
LED3	Fig.1-14	Entrance Transport JAM LED	A13
LED4	Fig.4-5	Paper Bundle Transport JAM LED	K14
LED5	Fig.4-6	Folding Blade JAM LED	K14
LED6	Fig.4-7	Folding Roller JAM LED	K14
LED7	Fig.4-8	Trailing Edge Stopper JAM LED	L14
Solenoids			
SOL1	Fig.1-6	Junction Solenoid	D23
Others			
PCB1	Fig.1-3	Main Control Board	P11
PCB2	Fig.6-4	PCB: Punch	G10

D3CQ POINT TO POINT DIAGRAM



D3CQ ELECTRICAL COMPONENT LAYOUT



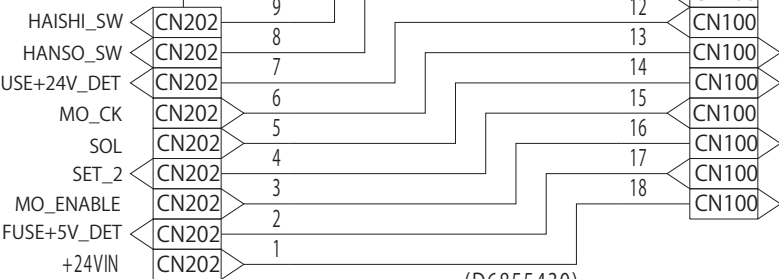
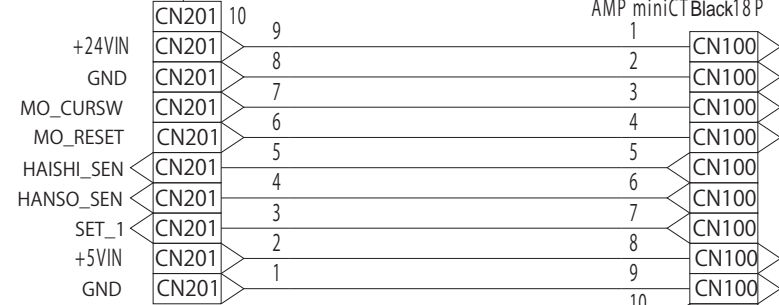
Sensors			
Symbol	Index No.	Description	PtoP
SN1	1	Paper Height Sensor	B7
PCB			
Symbol	Index No.	Description	PtoP
PCB1	2	Control Board	C4
LED			
Symbol	Index No.	Description	PtoP
LED	3	LED	E4

D685 POINT TO POINT DIAGRAM

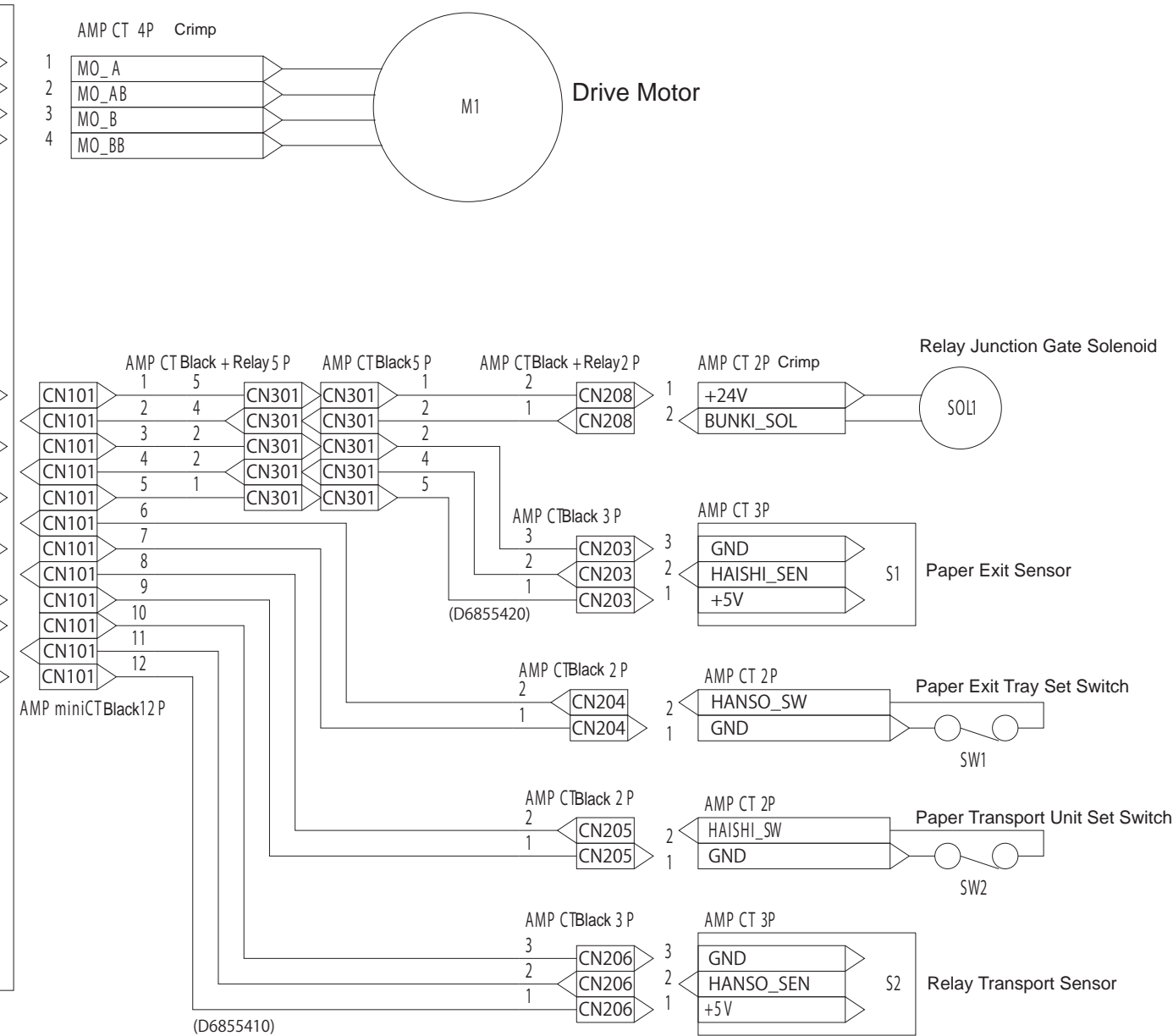
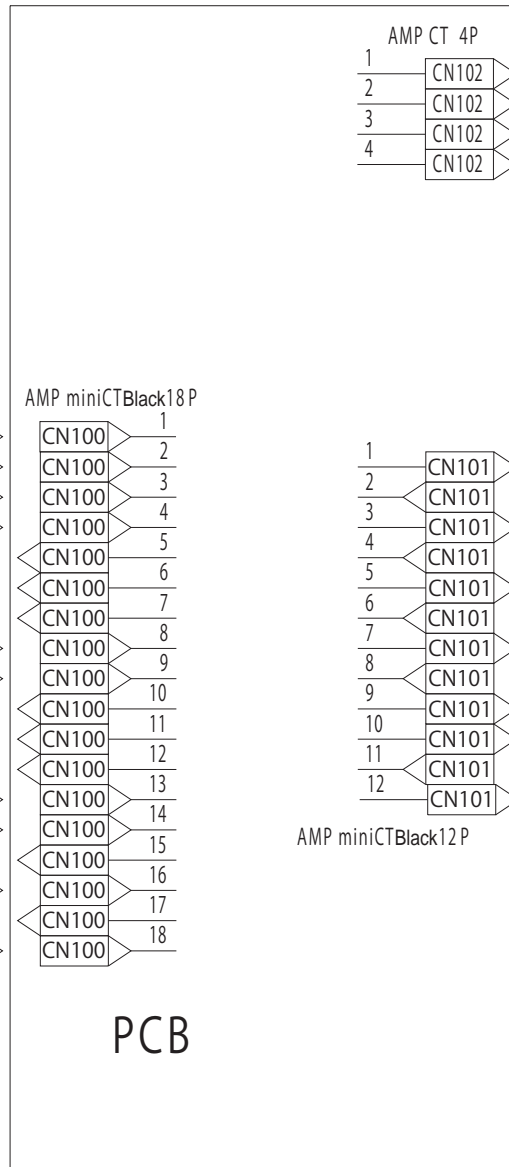
MOLEX Connector
55949 18P

JCN201

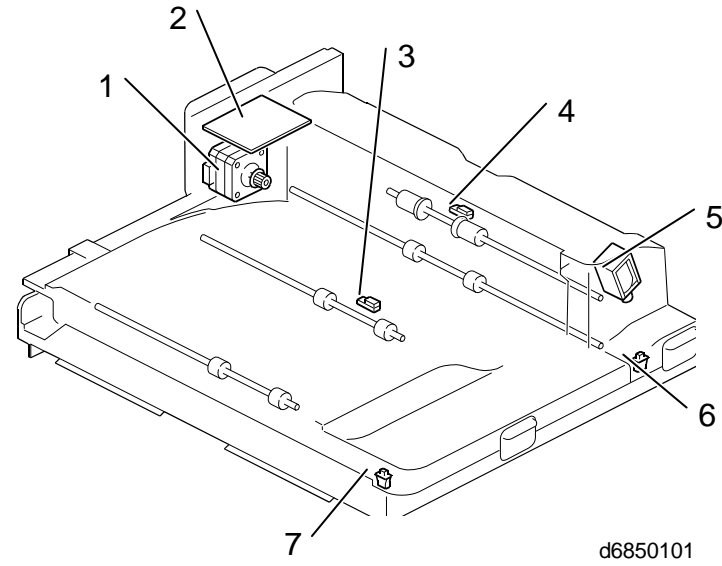
MOLEX miniMi2 10P



MOLEX miniMi2 9P (D6855430)

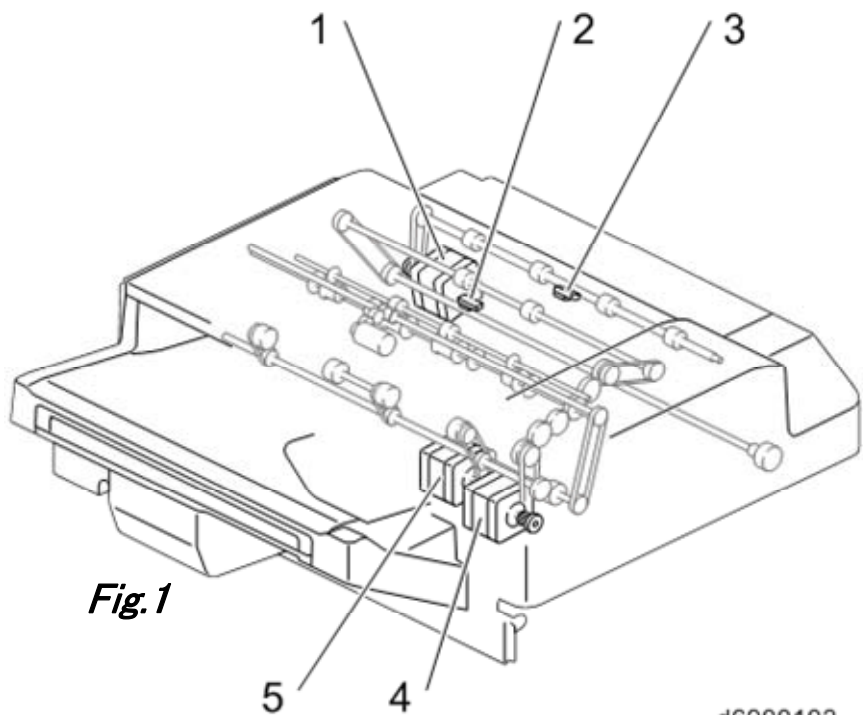


D685 ELECTRICAL COMPONENT LAYOUT

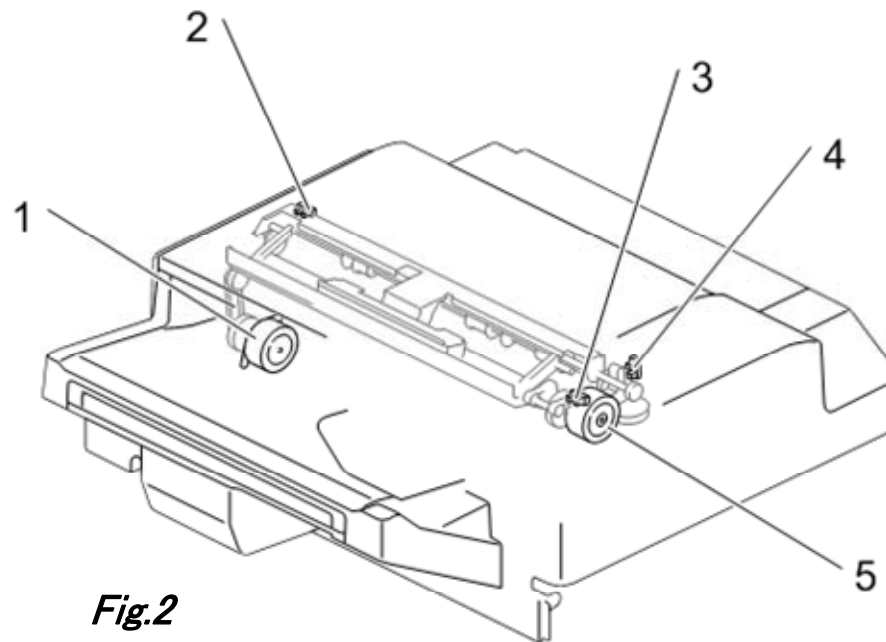


Motors			
Symbol	Index No.	Description	PtoP
M1	1	Drive Motor	B6
Sensors			
Symbol	Index No.	Description	PtoP
S1	4	Paper Exit Sensor	C7
S2	3	Relay Transport Sensor	E7
Solenoids			
Symbol	Index No.	Description	PtoP
SOL1	5	Relay Junction Gate Solenoid	C7
Switches			
Symbol	Index No.	Description	PtoP
SW1	7	Paper Exit Tray Set Switch	D7
SW2	6	Paper Transport Unit Set Switch	D7
PCB			
Symbol	Index No.	Description	PtoP
PCB1	2	Controller Board	E4

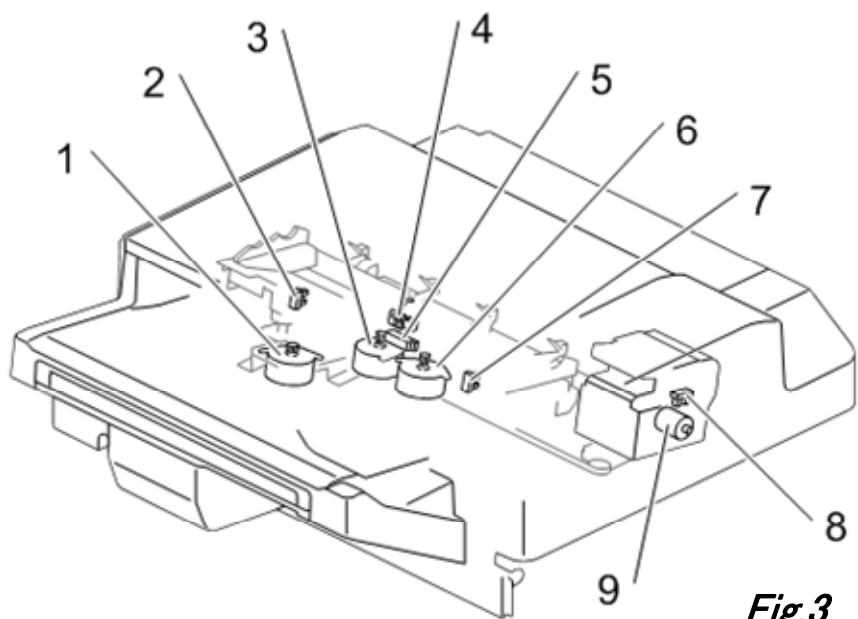
D690 ELECTRICAL COMPONENT LAYOUT(1/2)



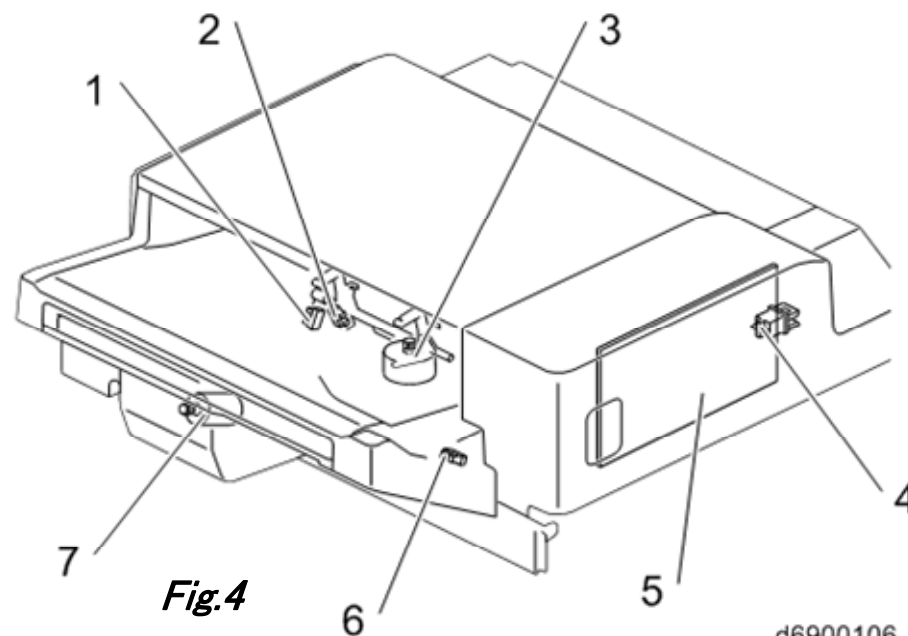
d6900103



d6900104



d6900105



d6900106

D690 ELECTRICAL COMPONENT LAYOUT(2/2)

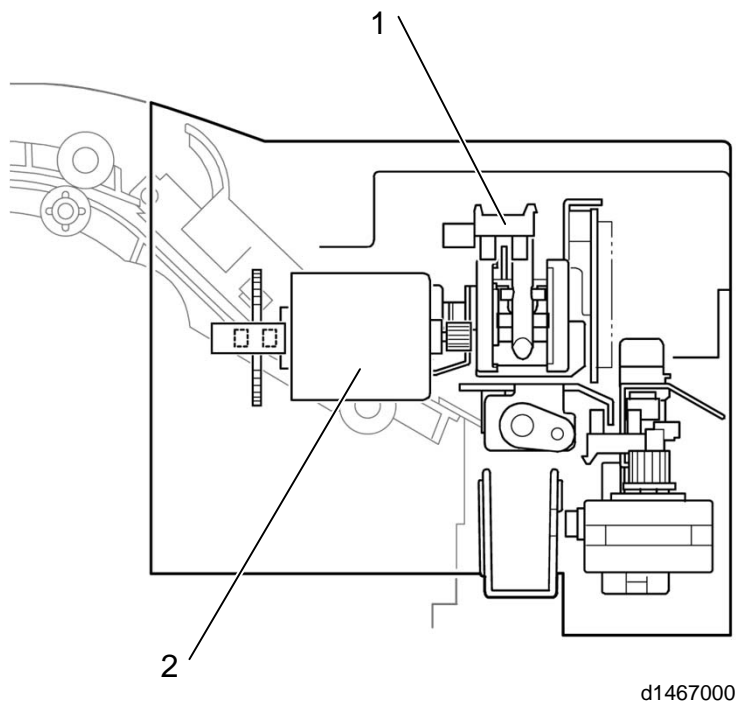


Fig.5

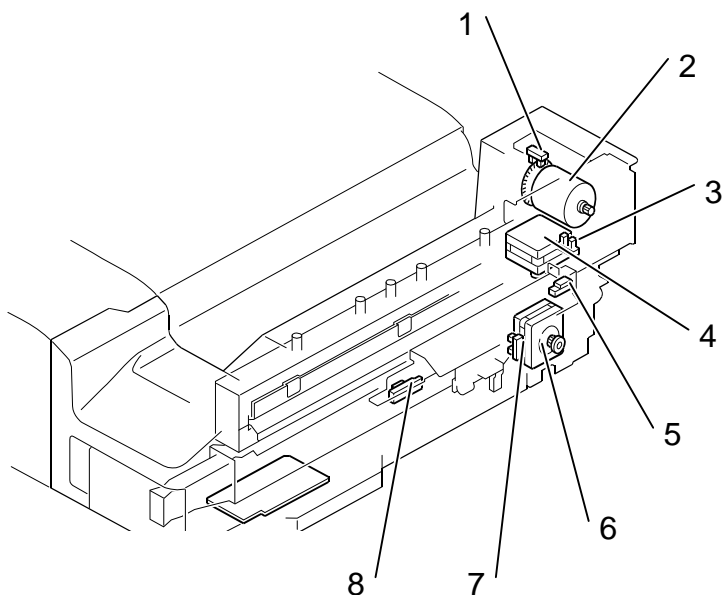
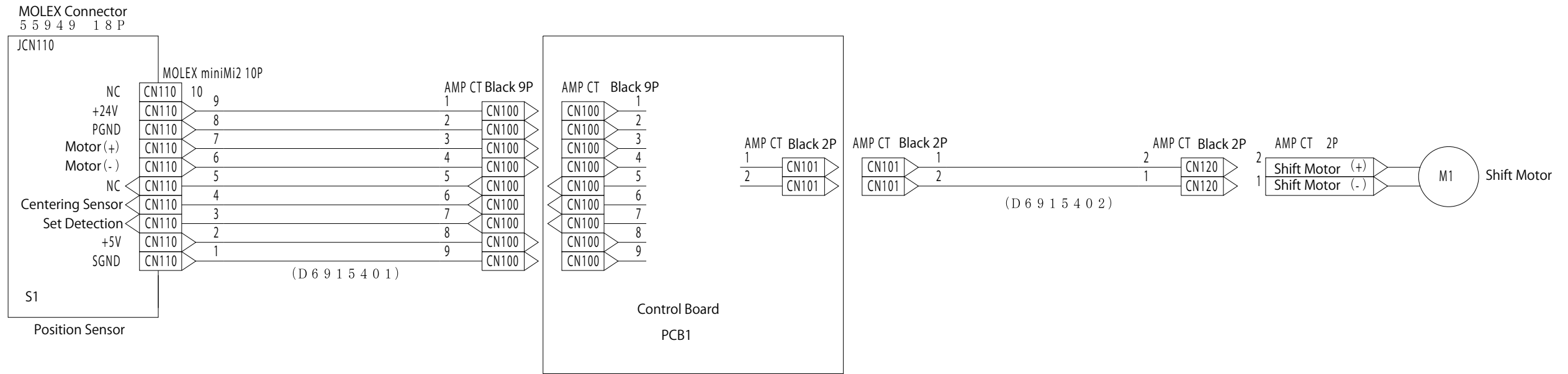


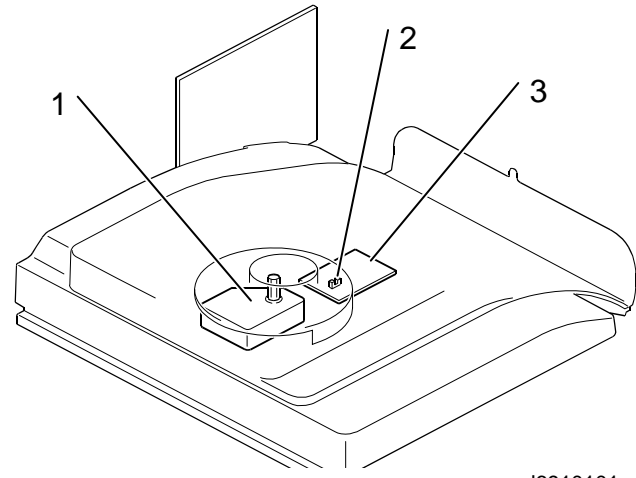
Fig.6

Symbol	Index No.	Description	P to P
Sensors			
S1	Fig.6-5	Horizontal Registration Movement Unit Home Position Sensor	J1
S2	Fig.6-7	Horizontal Registration Detection Unit Home Position Sensor	K1
S3	Fig.6-1	Punch Unit Pulse Detection Sensor	I1
S4	Fig.5-1	Punch Unit HP Sensor	I1
S5	Fig.6-3	Horizontal Registration Sensor	H1
S6	Fig.6-7	Punch Hopper Full Sensor	G1
S7	Fig.2-3	Paper Output Guide Plate Home Position Sensor	F1
S8	Fig.4-6	Paper Exit Full Sensor	G1
S9	Fig.1-3	Entrance Sensor	D1
S10	Fig.2-2	Strike Roller Home Position Sensor	F1
S11	Fig.2-4	Shift Roller HP Sensor	E1
S12	Fig.3-8	Stapler HP Sensor	D1
S13	Fig.1-2	Transport Sensor	E1
S14	Fig.3-5	Staple Tray Jam Detection Sensor	B1
S15	Fig.3-7	Jogger Fence HP Sensor (front)	B1
S16	Fig.3-2	Jogger Fence HP Sensor (rear)	C1
S17	Fig.4-2	Paper Surface Detection Sensor	A1
S18	Fig.4-1	Paper Bail Home Position Sensor	A1
S19	Fig.3-4	Paper Detection Sensor	C1
Motors			
M1	Fig.6-4	Horizontal Registration Movement Unit Motor	J1
M2	Fig.6-6	Horizontal Registration Detection Unit Motor	K1
M3	Fig.5-2/ Fig.6-2	Punch Motor	K8
M4	Fig.3-6	Jogger Fence Motor (front)	H16
M5	Fig.3-3	Jogger Fence Motor (rear)	H16
M6	Fig.4-3	Paper Bail Motor	I16
M7	Fig.3-9	Stapler Unit(Motor)	B16
M8	Fig.1-4	Transport Motor	C16
M9	Fig.1-5	Paper Output Motor	C16
M10	Fig.1-1	Entrance Motor	F16
M11	-	Shift Motor	E16
M12	Fig.2-5	Paper Exit Guide Plate Motor	D16
M13	Fig.3-1	Stapler Displacement Motor	G16
M14	Fig.2-1	Strike Roller Motor	G16
M15	Fig.4-7	Tray Lift Motor	I16
Switches			
SW1	Fig.4-4	Cover Open/Close Switch	A16
FAN			
FAN1	-	FAN	E16
PCB			
PCB1	Fig.4-5	Control Board	K11

D691 POINT TO POINT DIAGRAM

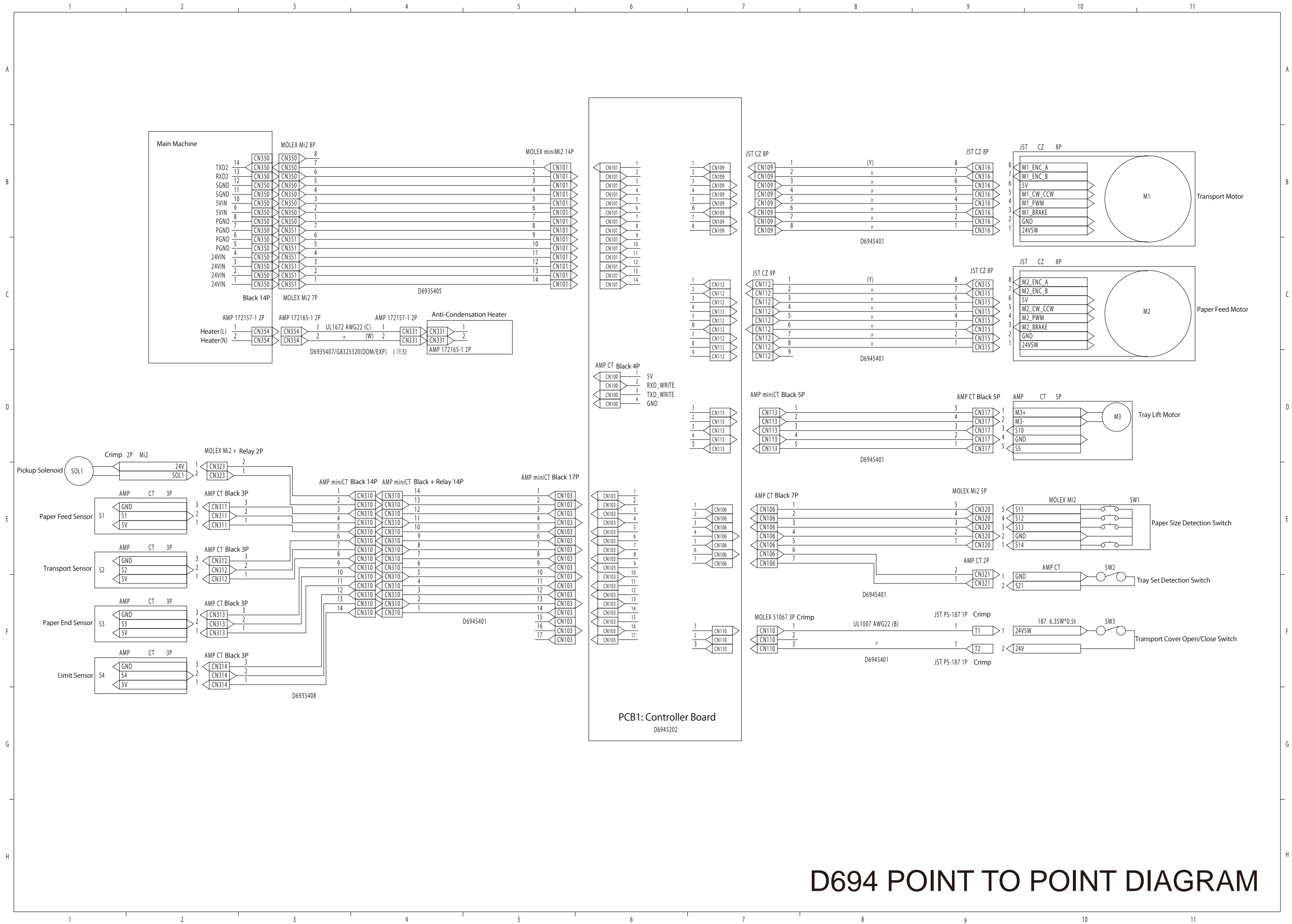


D691 ELECTRICAL COMPONENT LAYOUT



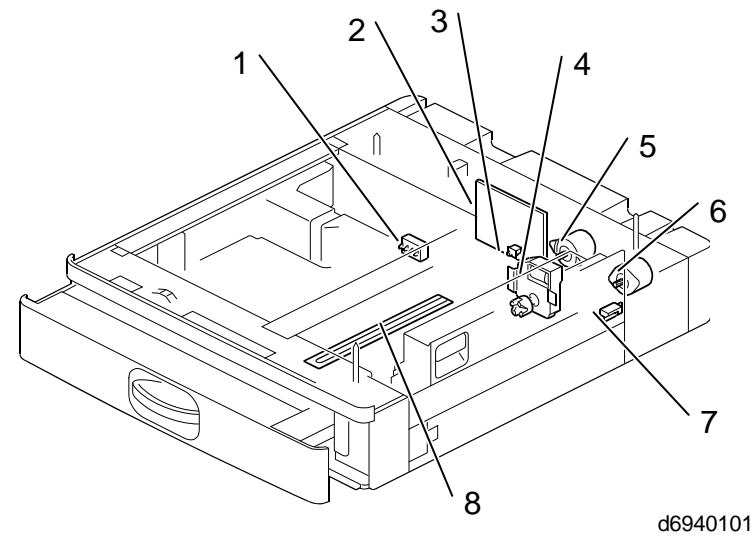
d6910101

Motors			
Symbol	Index No.	Description	PtoP
M1	1	Shift Motor	C8
Sensors			
Symbol	Index No.	Description	PtoP
S1	2	Position Sensor	C1
PCB			
Symbol	Index No.	Description	PtoP
PCB1	3	Control Board	D4

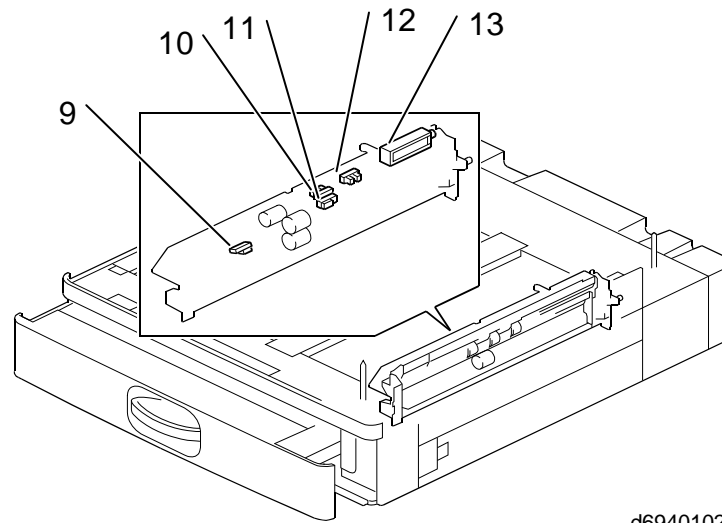


D694 POINT TO POINT DIAGRAM

D694 ELECTRICAL COMPONENT LAYOUT



d6940101

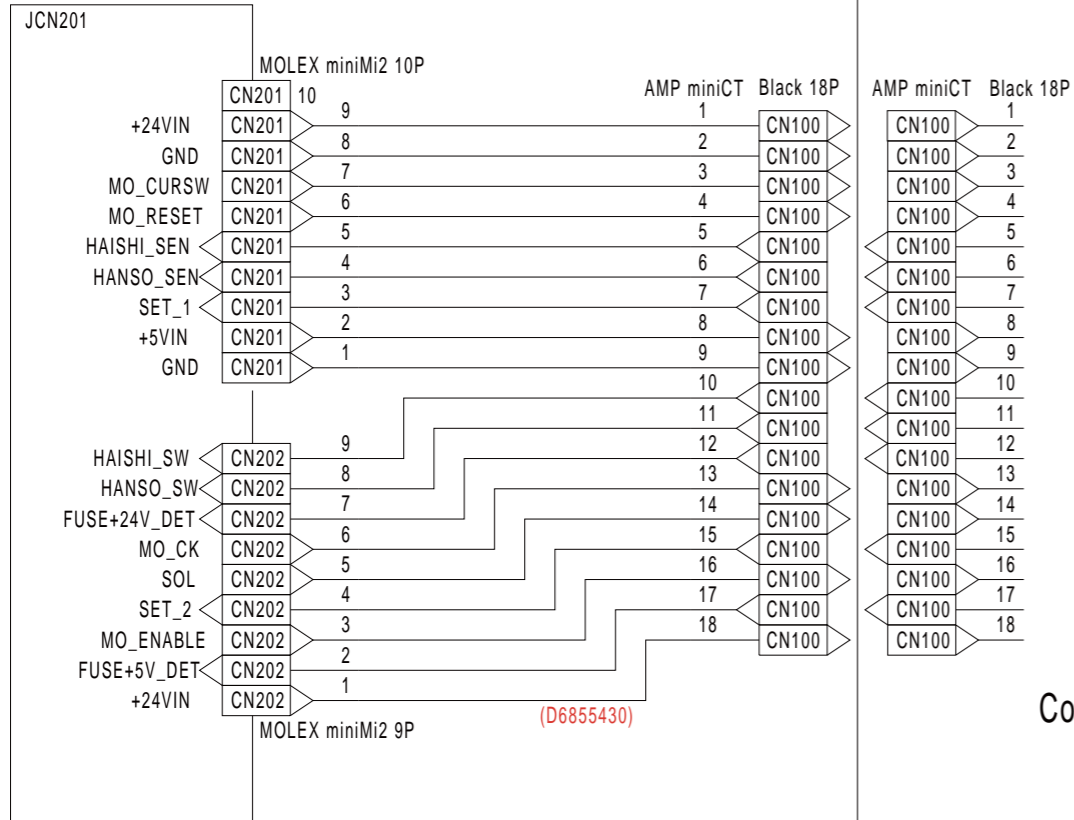


d6940102

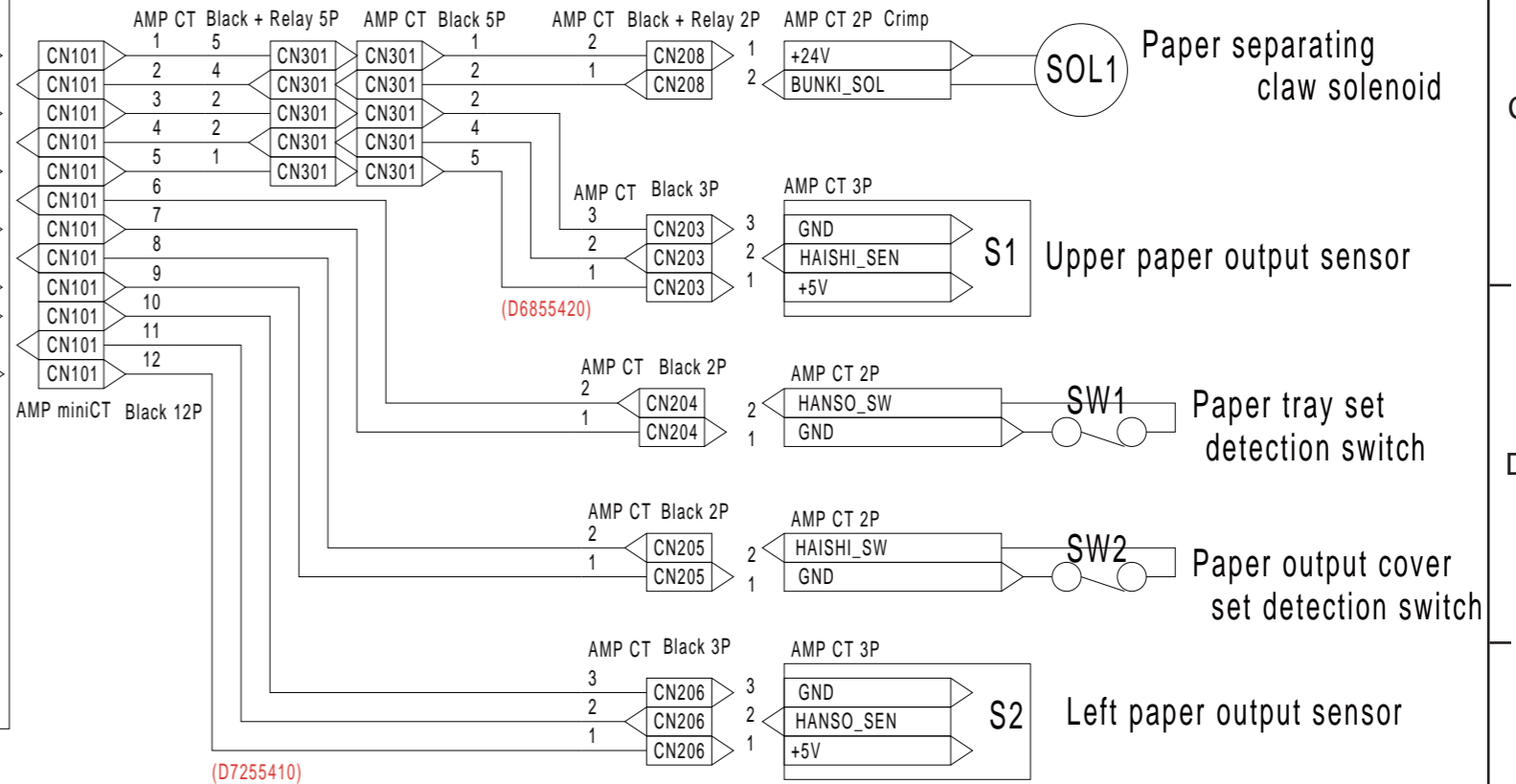
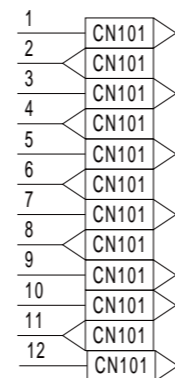
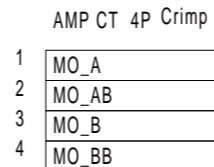
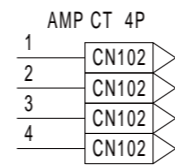
Motors			
Symbol	Index No.	Description	PtoP
M1	6	Transport Motor	B7
M2	5	Paper Feed Motor	C7
M3	4	Tray Lift Motor	C7
Sensors			
Symbol	Index No.	Description	PtoP
S1	9	Paper Feed Sensor	D1
S2	11	Transport Sensor	D1
S3	10	Paper End Sensor	E1
S4	12	Limit Sensor	E1
Solenoids			
Symbol	Index No.	Description	PtoP
SOL1	13	Pickup Solenoid	D1
Switches			
Symbol	Index No.	Description	PtoP
SW1	1	Paper Size Detection Switch	D7
SW2	3	Tray Set Detection Switch	D7
SW3	7	Transport Cover Open/Close Switch	E7
PCB			
Symbol	Index No.	Description	PtoP
PCB1	2	Controller Board	E4
Others			
Symbol	Index No.	Description	PtoP
HTR	8	Anti-Condensation Heater	C3

D725 POINT TO POINT DIAGRAM

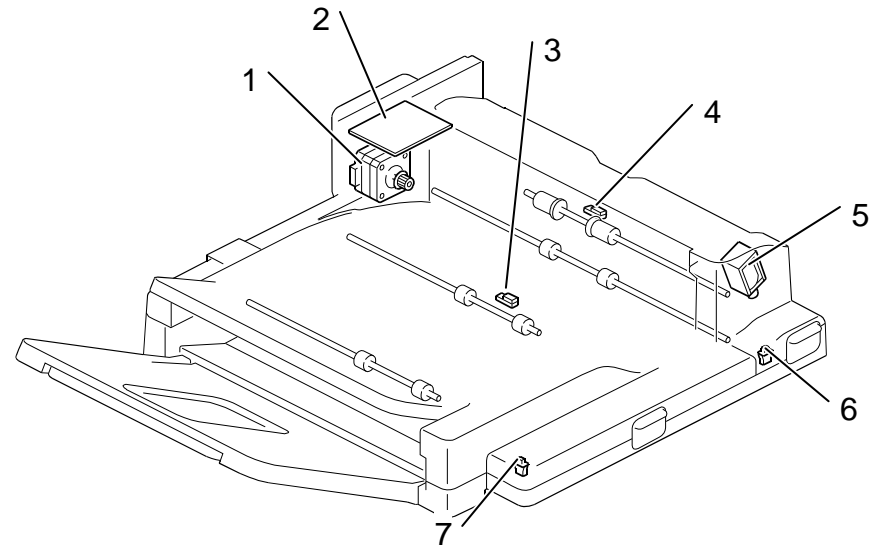
MOLEX Drawer Connector
55949 18P



Control Board
PCB1



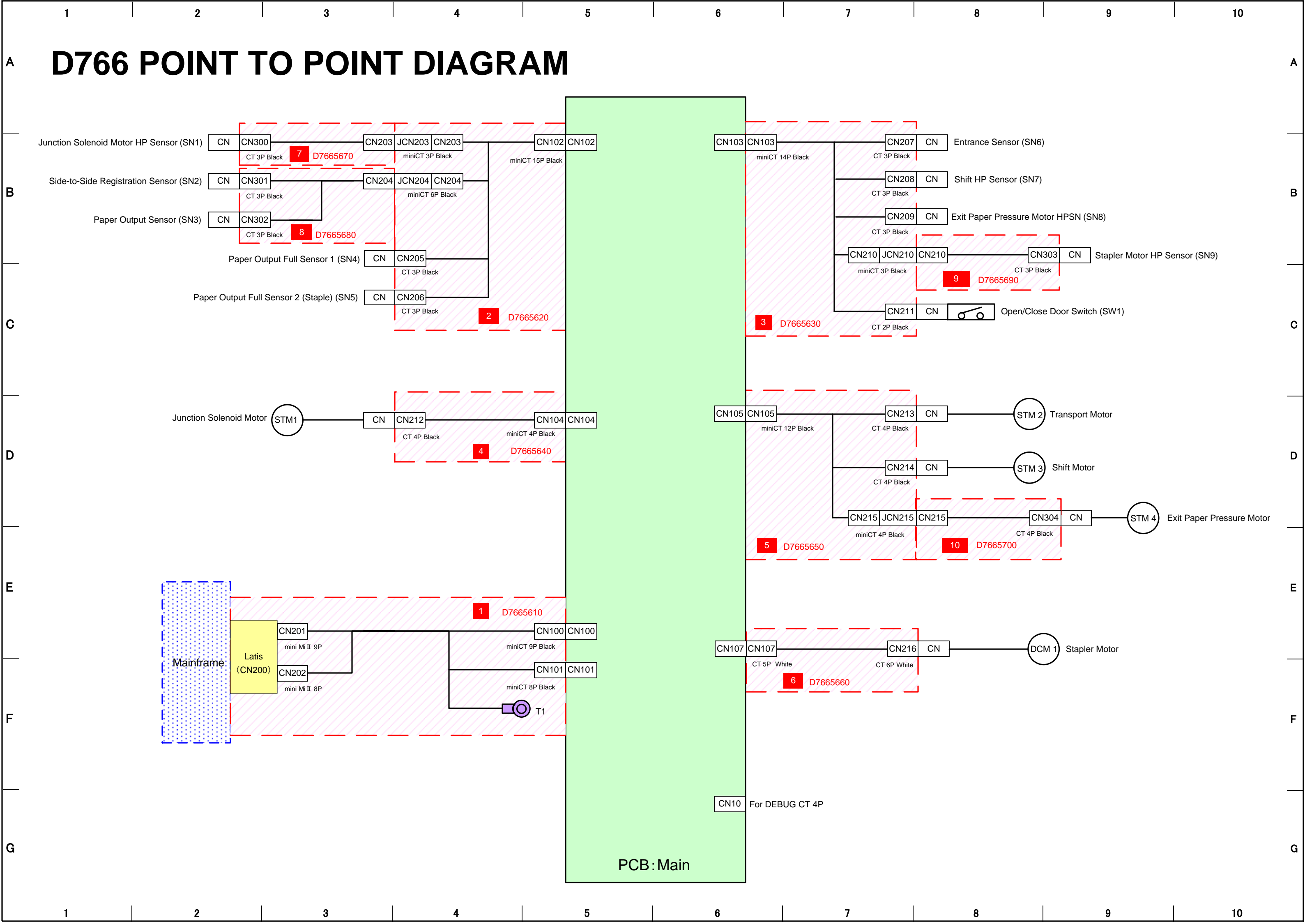
D725 ELECTRICAL COMPONENT LAYOUT



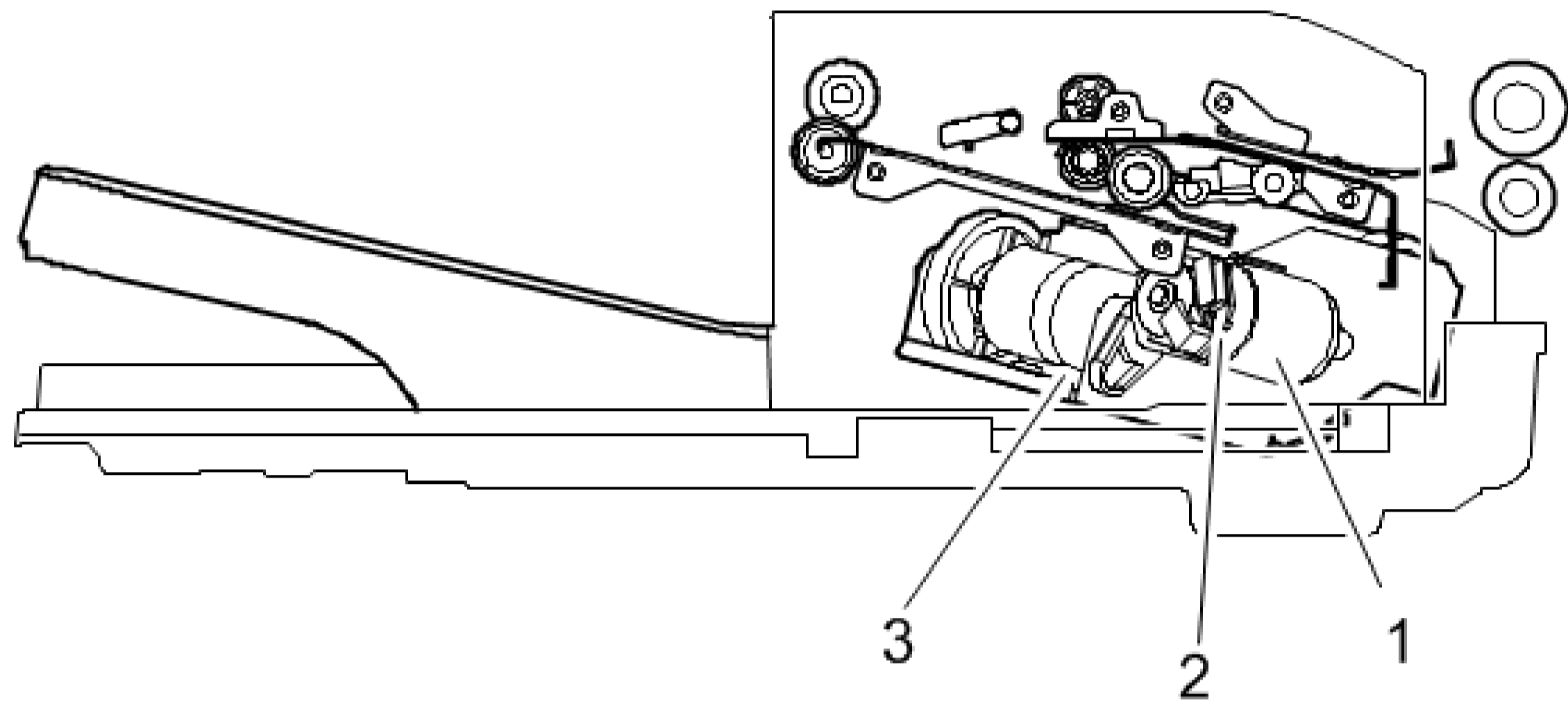
d7250101

Motors			
Symbol	Index No.	Description	PtoP
M1	1	Drive Motor	B6
Sensors			
Symbol	Index No.	Description	PtoP
S1	4	Upper Paper Output Sensor	C7
S2	3	Left Paper Output Sensor	E7
Solenoids			
Symbol	Index No.	Description	PtoP
SOL1	5	Paper Separating Claw Solenoid	C7
Switches			
Symbol	Index No.	Description	PtoP
SW1	7	Paper Tray Set Detection Switch	D7
SW2	6	Paper Output Cover Set Detection Switch	D7
PCB			
Symbol	Index No.	Description	PtoP
PCB1	2	Control Board	D4

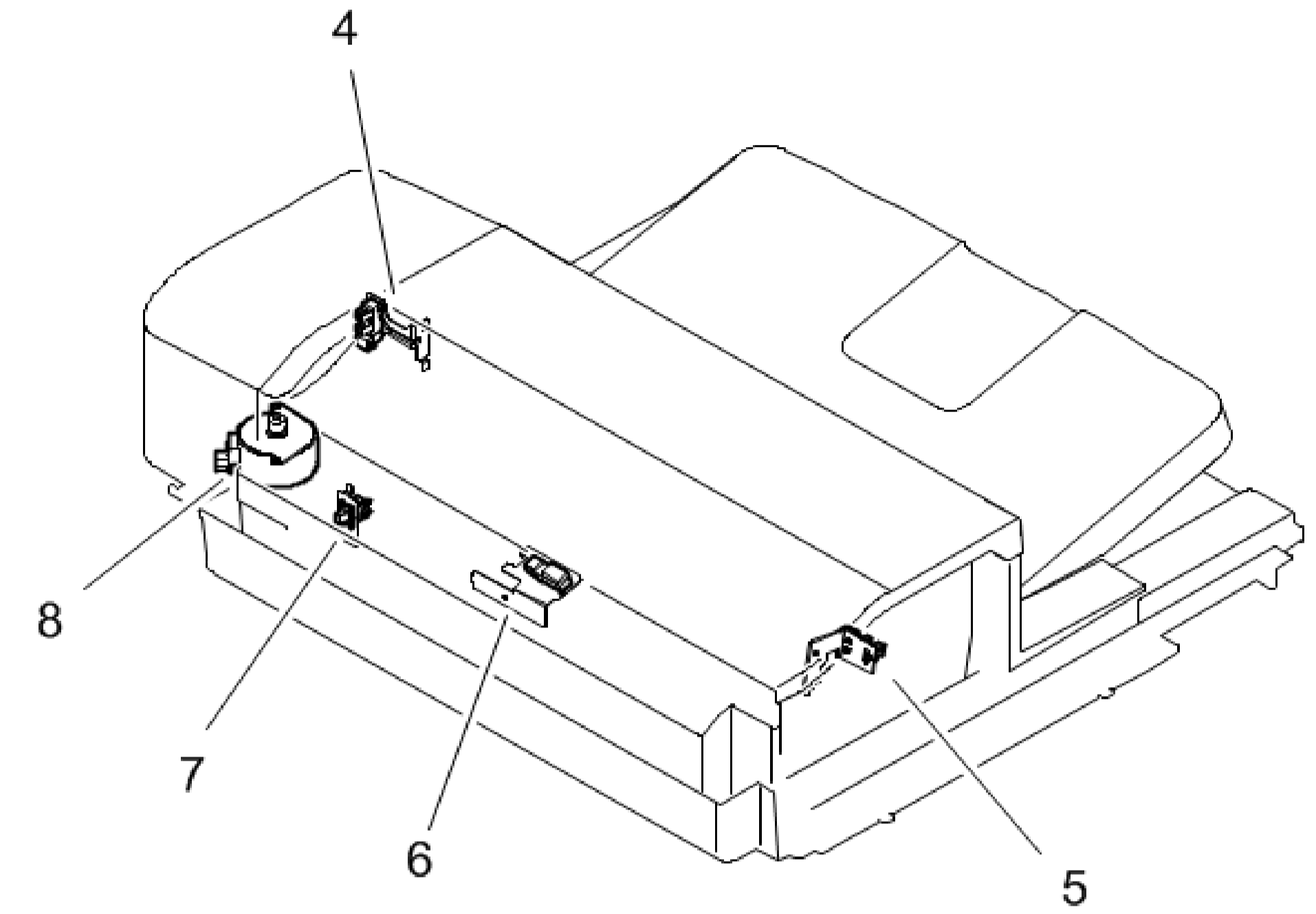
D766 POINT TO POINT DIAGRAM



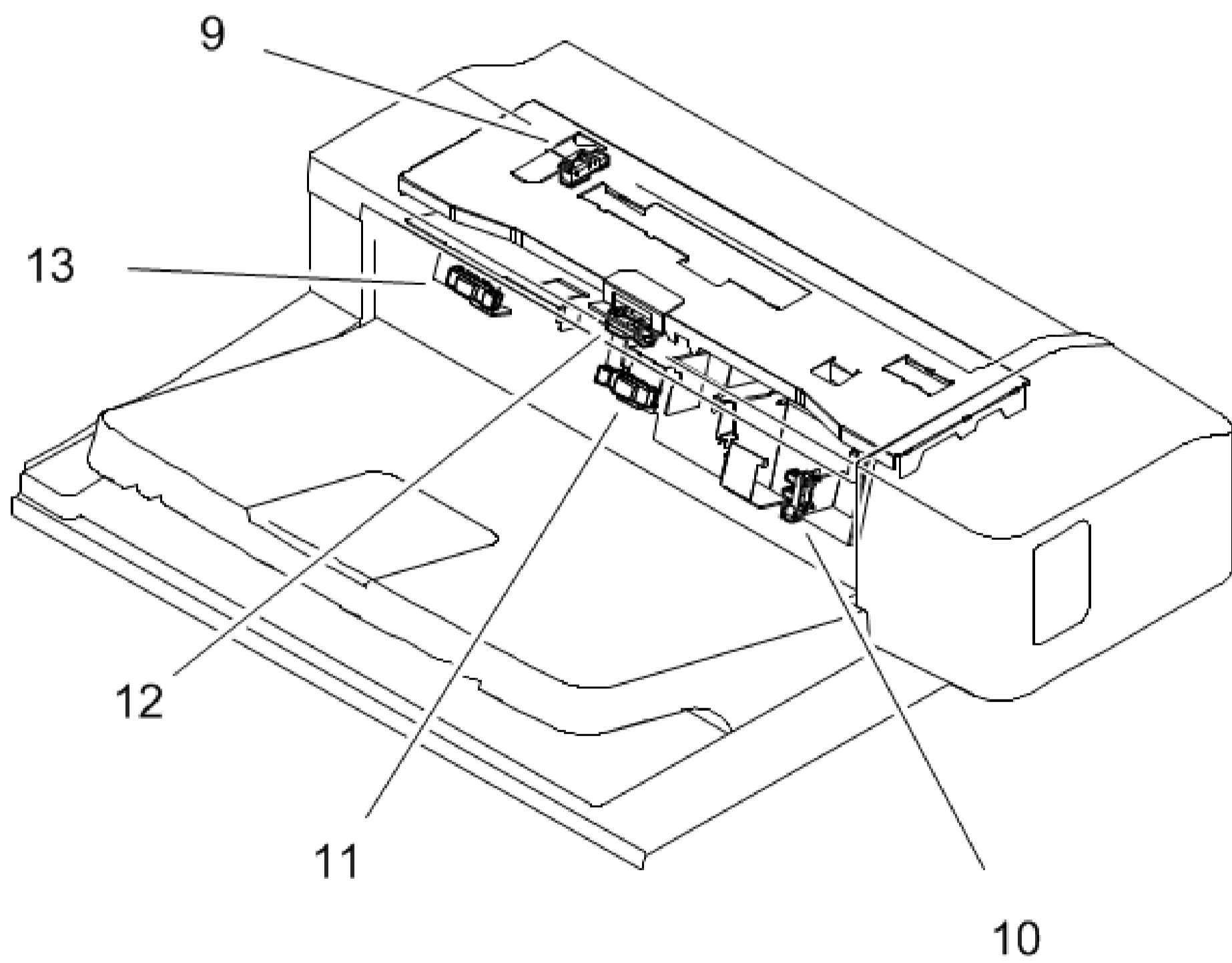
D766 ELECTRICAL COMPONENT LAYOUT (1/2)



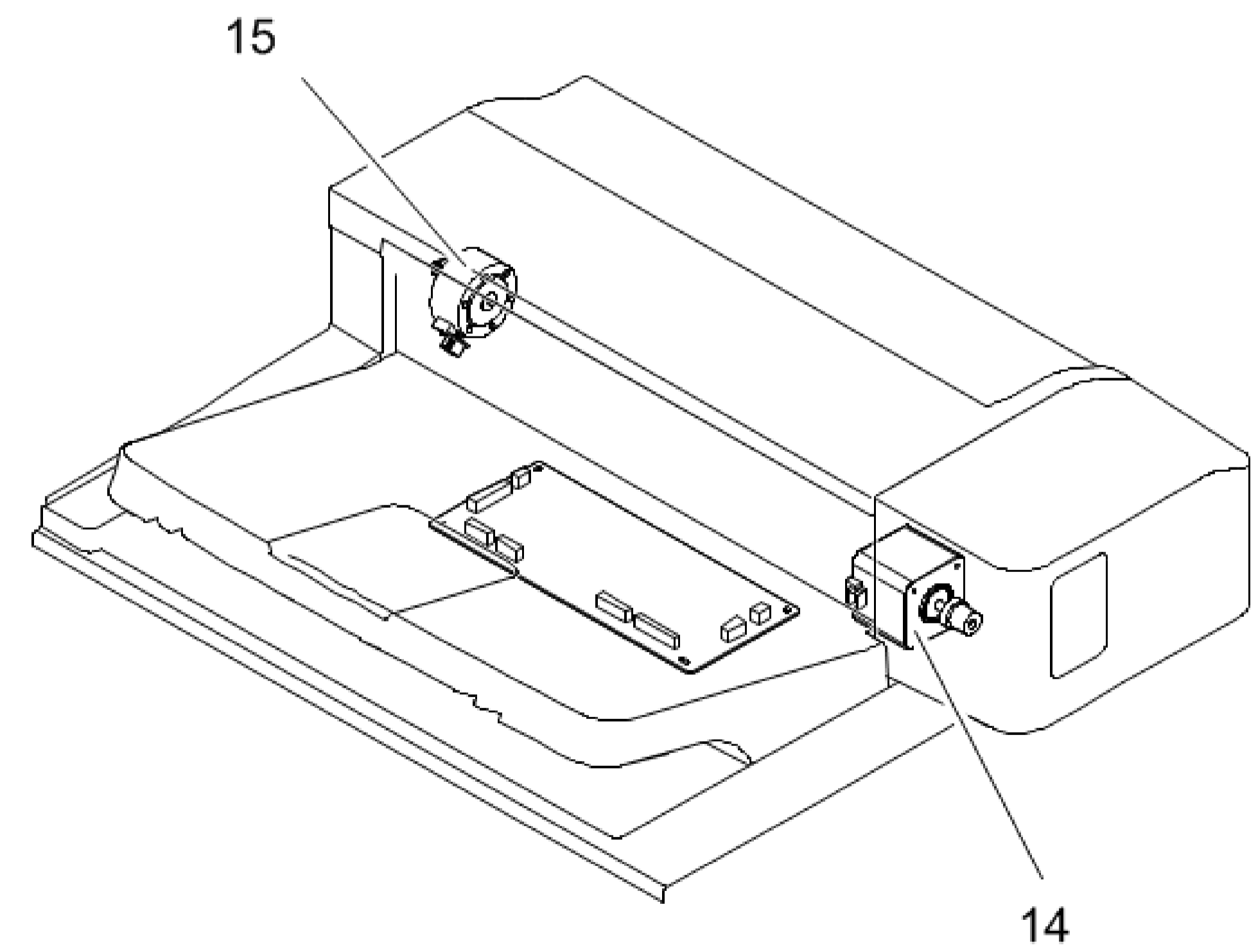
d766f0001



d766f0002



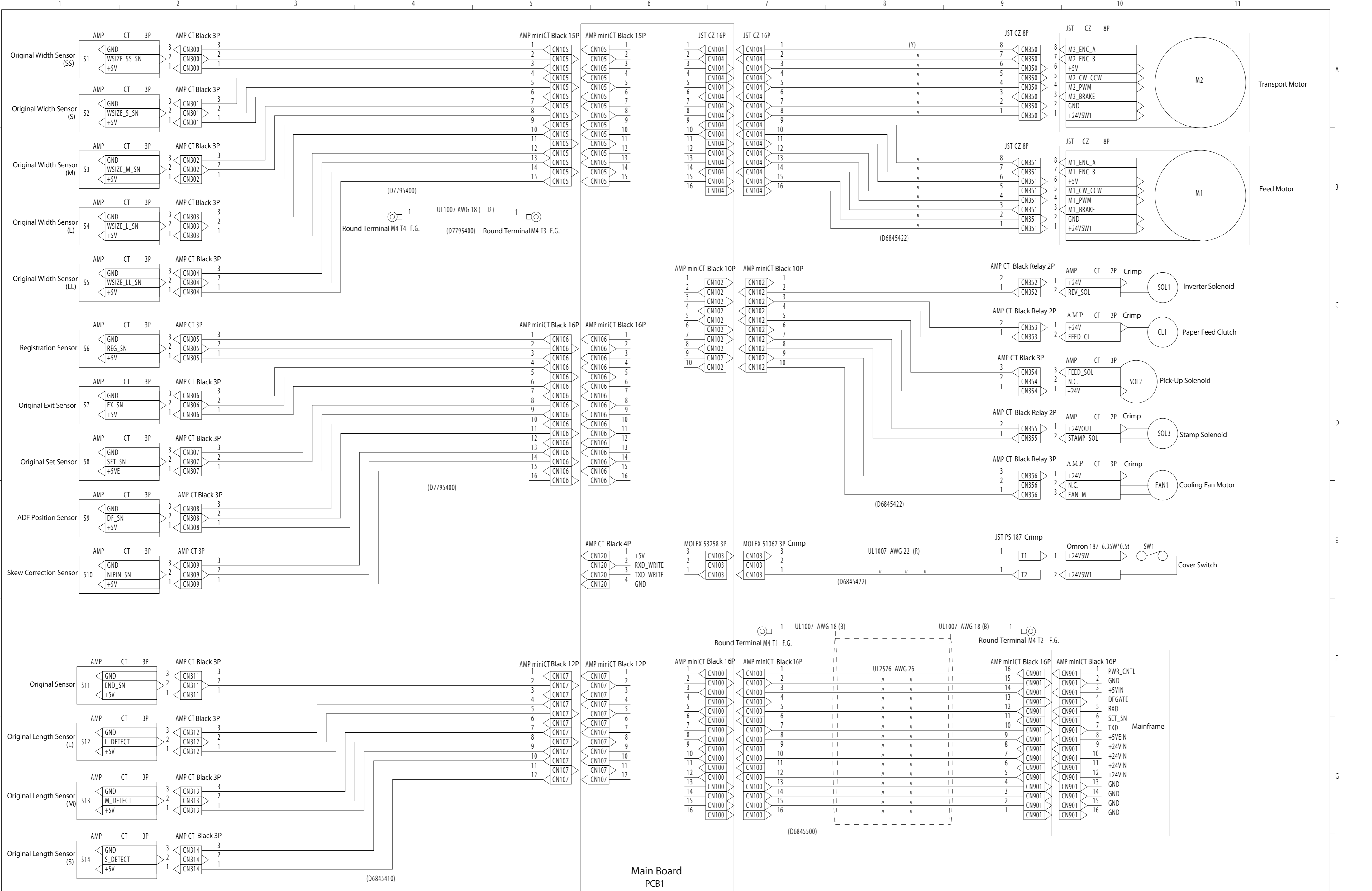
d766f0003



d766f0004

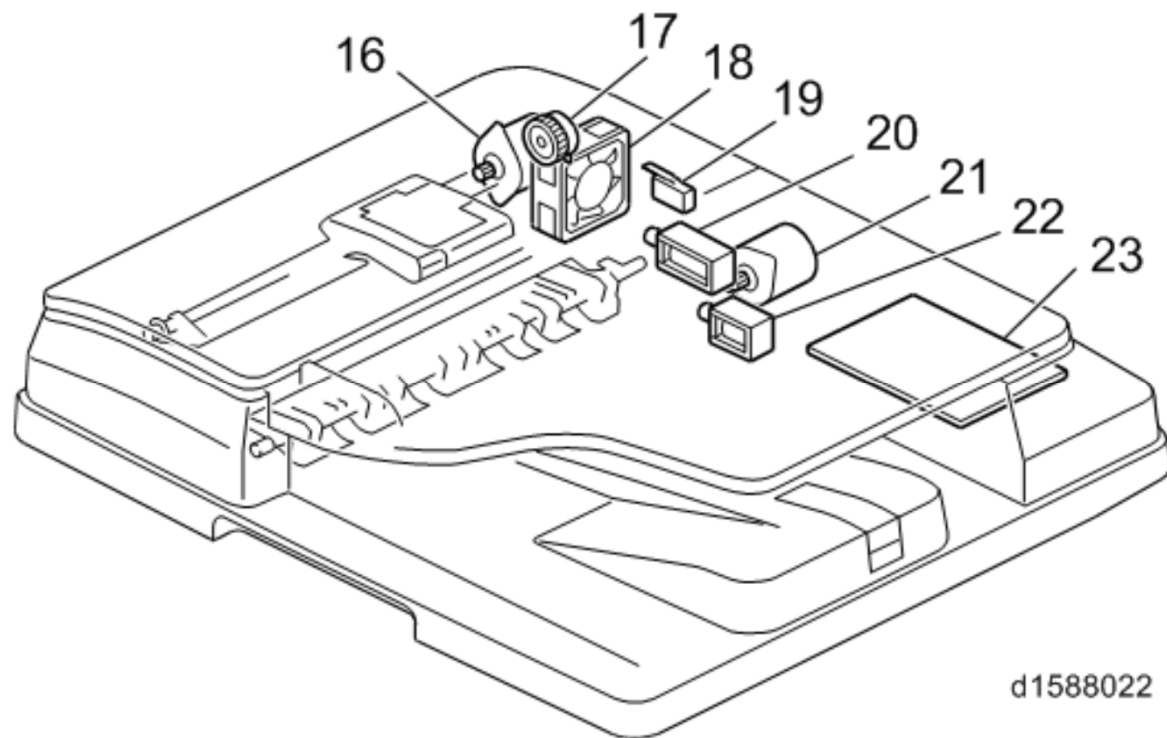
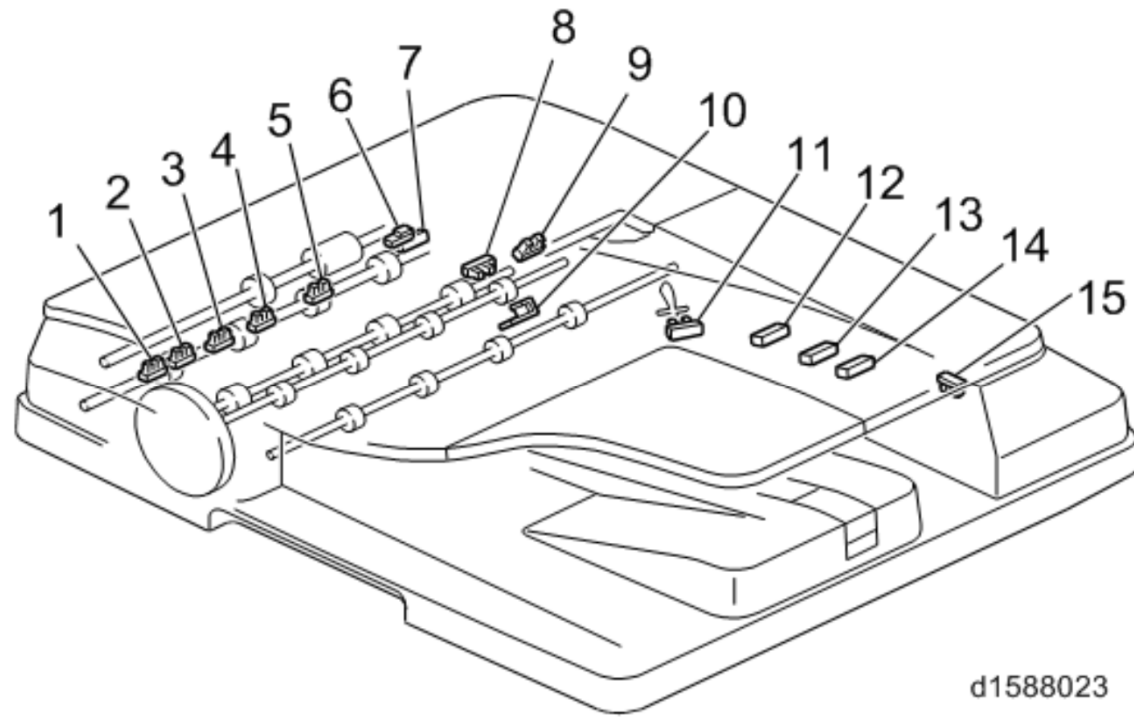
D766 ELECTRICAL COMPONENT LAYOUT (2/2)

Motors			
Symbol	Index No.	Description	PtoP
STM1	15	Junction Solenoid Motor	D3
STM2	14	Transport Motor	D8
STM3	8	Shift Motor	D8
STM4	3	Exit Paper Pressure Motor	D9
DCM1	1	Stapler Motor	E8
Sensors			
Symbol	Index No.	Description	PtoP
SN1	5	Junction Solenoid Motor HP Sensor	B2
SN2	9	Side-to-Side Registration Sensor	B2
SN3	12	Paper Output Sensor	B2
SN4	11	Paper Output Full Sensor 1	B3
SN5	13	Paper Output Full Sensor 2 (Staple)	C3
SN6	6	Entrance Sensor	B8
SN7	4	Shift HP Sensor	B8
SN8	10	Exit Paper Pressure Motor HP Sensor	B8
SN9	2	Stapler Motor HP Sensor	B9
Switches			
Symbol	Index No.	Description	PtoP
SW1	7	Open/Close Door SW	C8

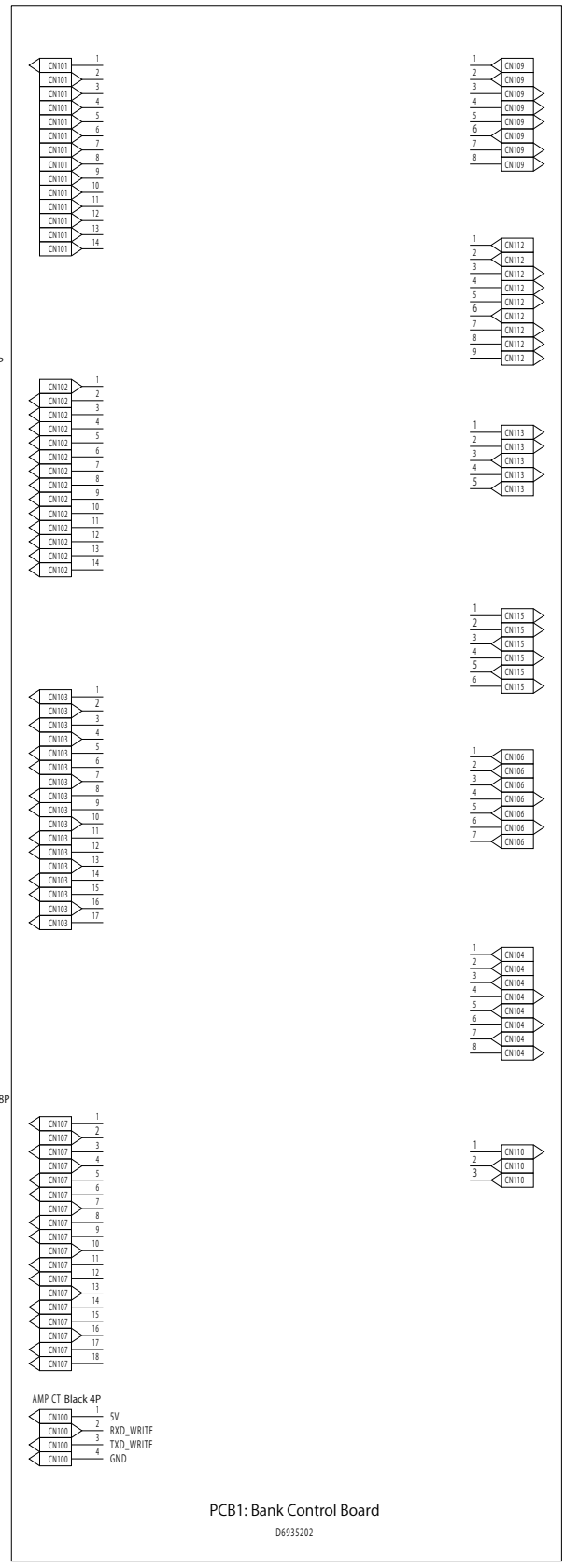
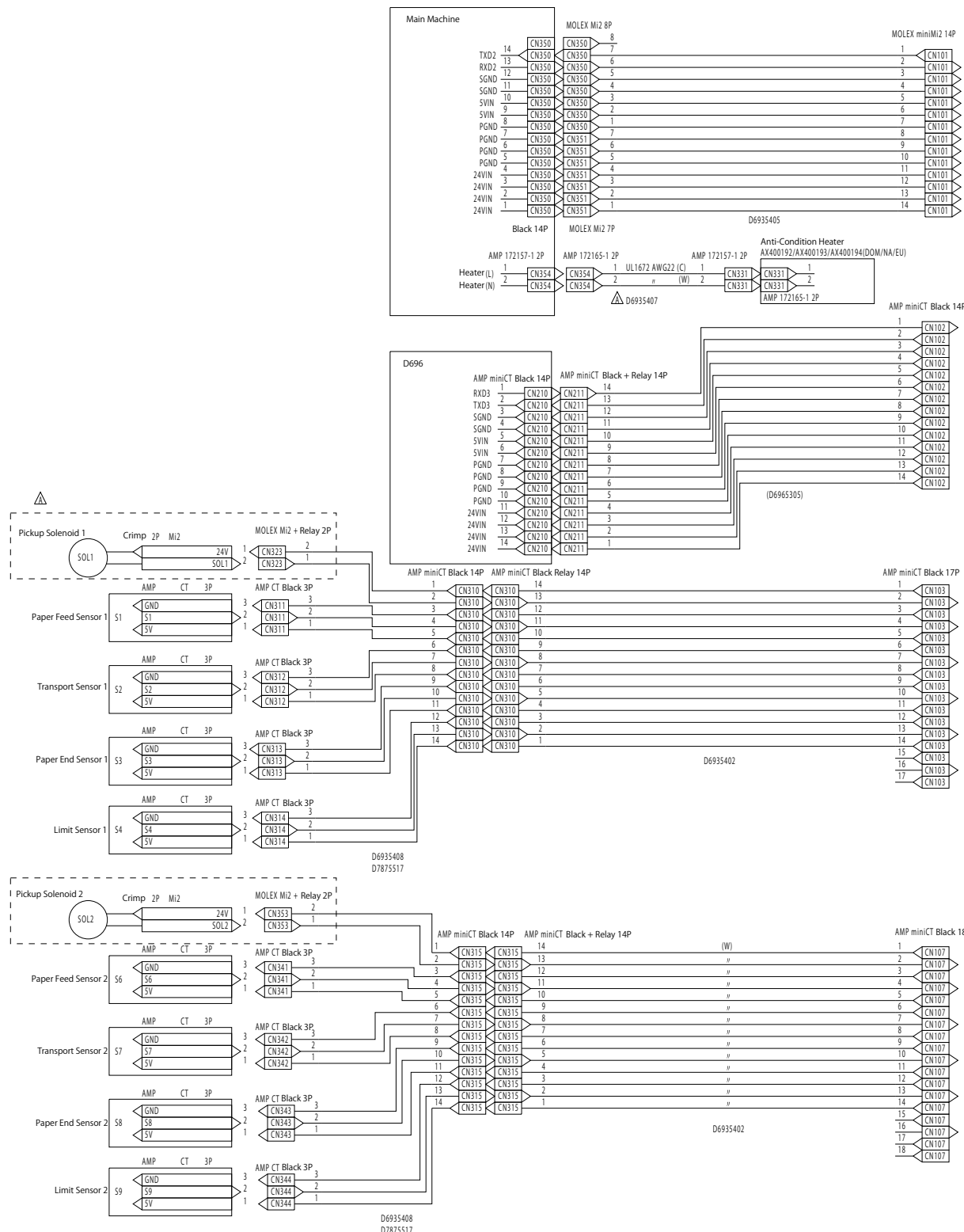


D779 POINT TO POINT DIAGRAM

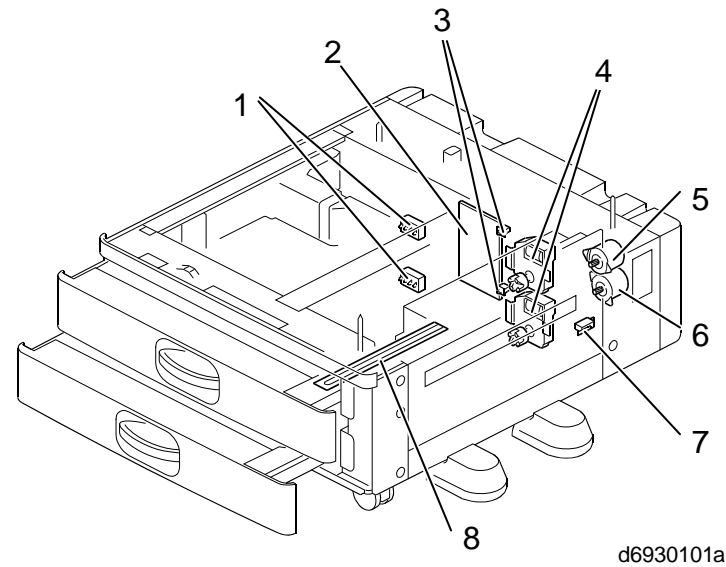
D779 ELECTRICAL COMPONENT LAYOUT



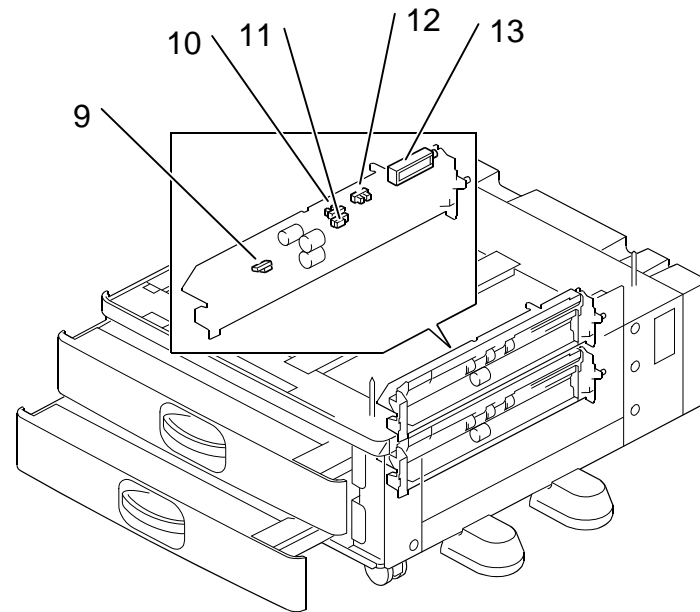
Motors			
Symbol	Index No.	Description	PtoP
M1	21	Feed Motor	B8
M2	16	Transport Motor	A8
M3	18	Cooling Fan Motor	D7
Sensors			
Symbol	Index No.	Description	PtoP
S1	5	Original Width Sensor (SS)	A1
S2	4	Original Width Sensor (S)	A1
S3	3	Original Width Sensor (M)	B1
S4	2	Original Width Sensor (L)	B1
S5	1	Original Width Sensor (LL)	B1
S6	7	Registration Sensor	C1
S7	8	Original Exit Sensor	C1
S8	9	Original Set Sensor	C1
S9	15	ADF Position Sensor	D1
S10	6	Skew Correction Sensor	D1
S11	11	Original Sensor	E1
S12	14	Original Length Sensor (L)	E1
S13	13	Original Length Sensor (M)	E1
S14	12	Original Length Sensor (S)	H1
Solenoids			
Symbol	Index No.	Description	PtoP
SOL1	22	Inverter Solenoid	B7
SOL2	20	Pick-up Solenoid	C7
SOL3	10	Stamp Solenoid	C7
Clutch			
Symbol	Index No.	Description	PtoP
CL1	17	Paper Feed Clutch	C7
Switches			
Symbol	Index No.	Description	PtoP
SW1	19	Cover Switch	
PCB			
Symbol	Index No.	Description	PtoP
PCB1	23	Main Board	F4



D787 ELECTRICAL COMPONENT LAYOUT



d6930101a



d6930102

Motors			
Symbol	Index No.	Description	PtoP
M1	6	Transport Motor	C16
M2	5	Paper Feed Motor	D16
M3	4	Tray Lift Motor 1	D16
M4	4	Tray Lift Motor 2	E16
Sensors			
Symbol	Index No.	Description	PtoP
S1	9	Paper Feed Sensor 1	F1
S2	11	Transport Sensor 1	G1
S3	10	Paper End Sensor 1	G1
S4	12	Limit Sensor 1	H1
S5	-	-	-
S6	9	Paper Feed Sensor 2	I1
S7	11	Transport Sensor 2	I1
S8	10	Paper End Sensor 2	I1
S9	12	Limit Sensor 2	J1
Solenoids			
Symbol	Index No.	Description	PtoP
SOL1	13	Pickup Solenoid 1	F1
SOL2	13	Pickup Solenoid 2	H1
Switches			
Symbol	Index No.	Description	PtoP
SW1	1	Paper Size Detection Switch 1	F16
SW2	3	Tray Set Detection Switch 1	G16
SW3	1	Paper Size Detection Switch 2	G16
SW4	3	Tray Set Detection Switch 2	H16
SW5	7	Transport Cover Open/Close Switch	H16
PCB			
Symbol	Index No.	Description	PtoP
PCB1	2	Bank Control Board	J9
Others			
Symbol	Index No.	Description	PtoP
HTR	8	Anti-Condensation Heater	D6