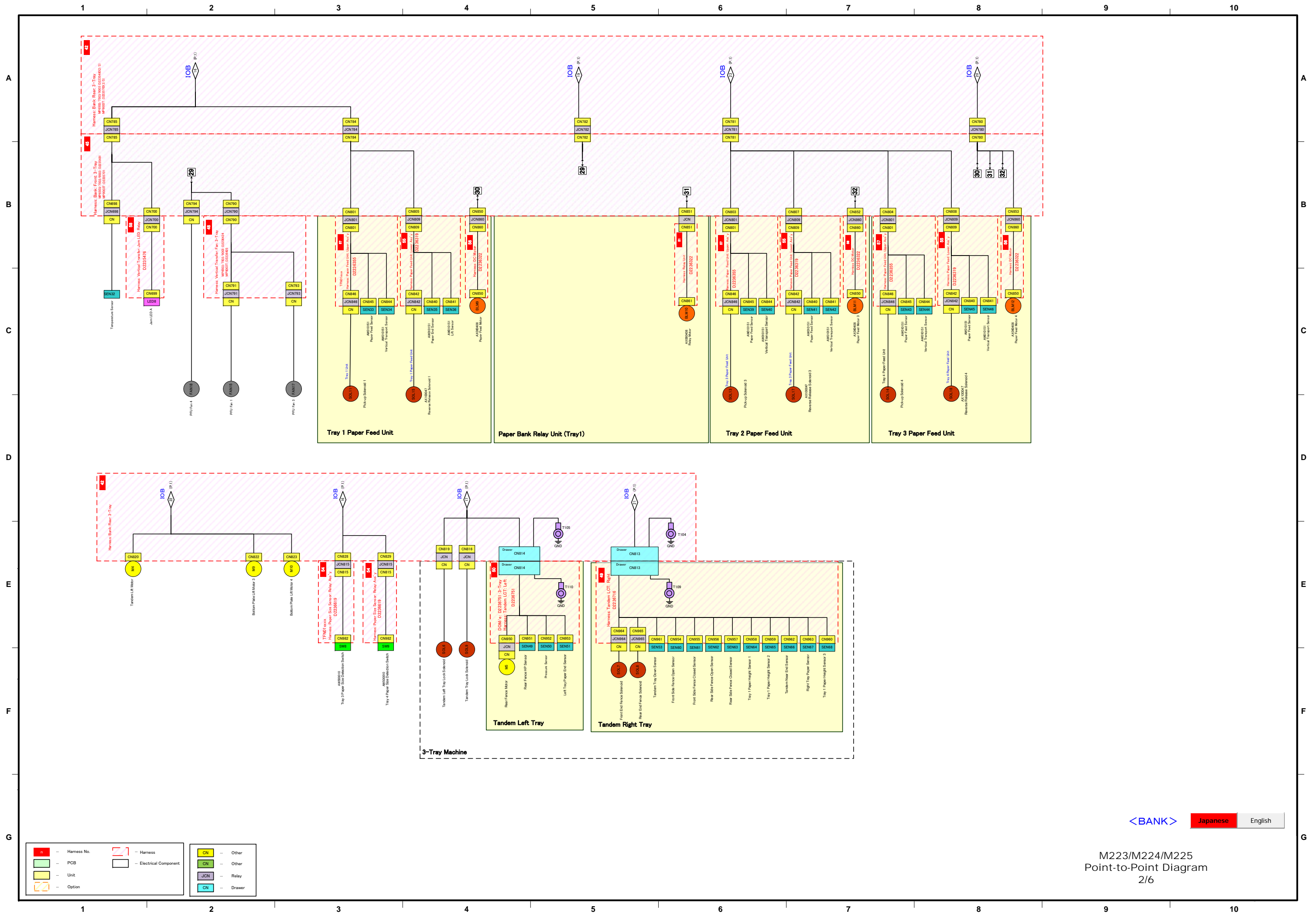
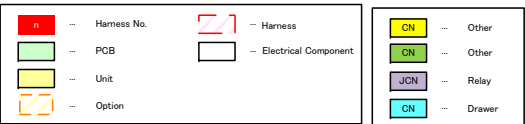
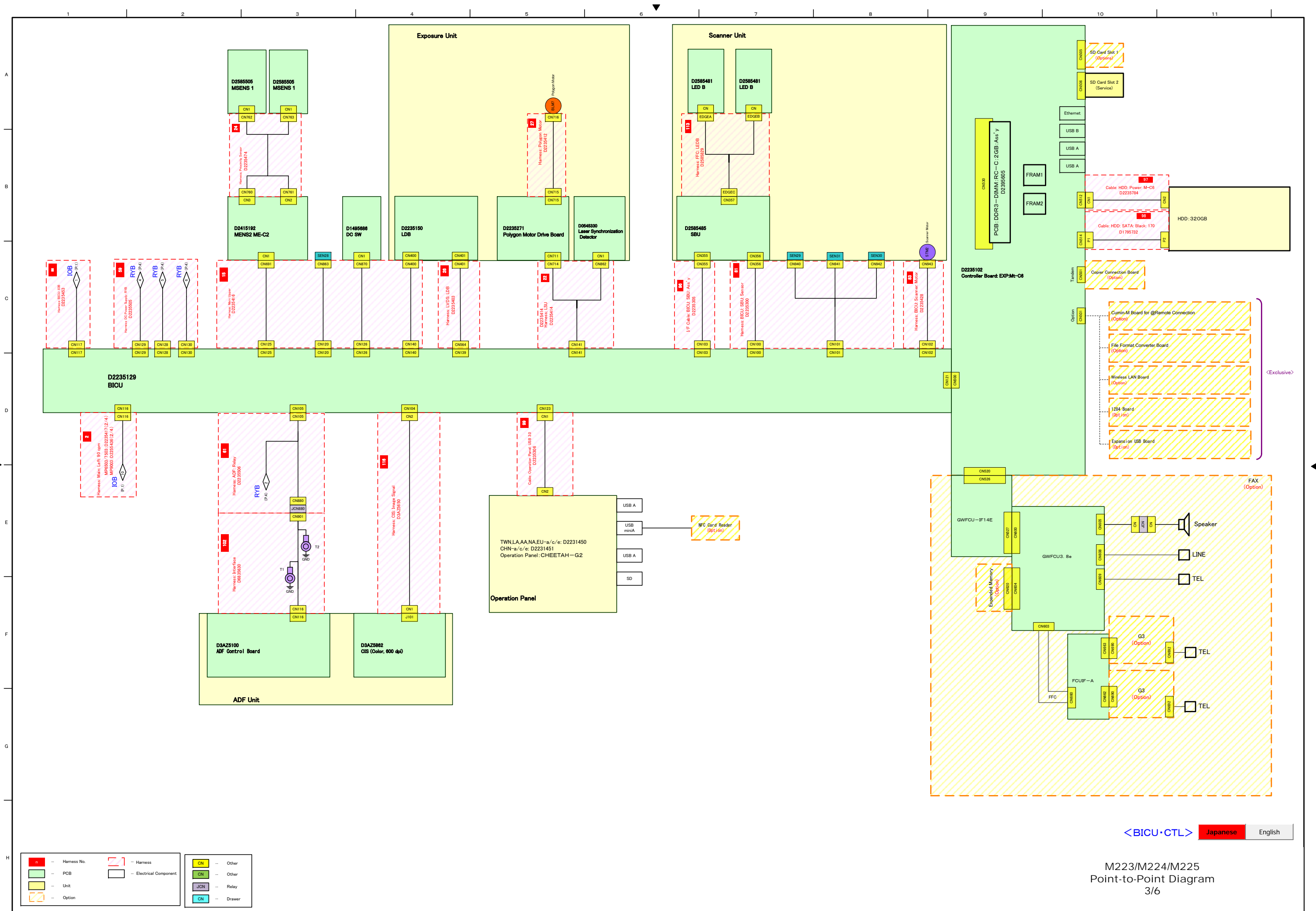
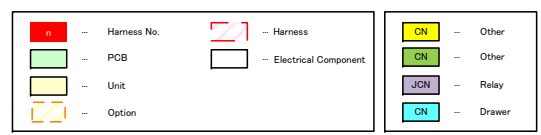
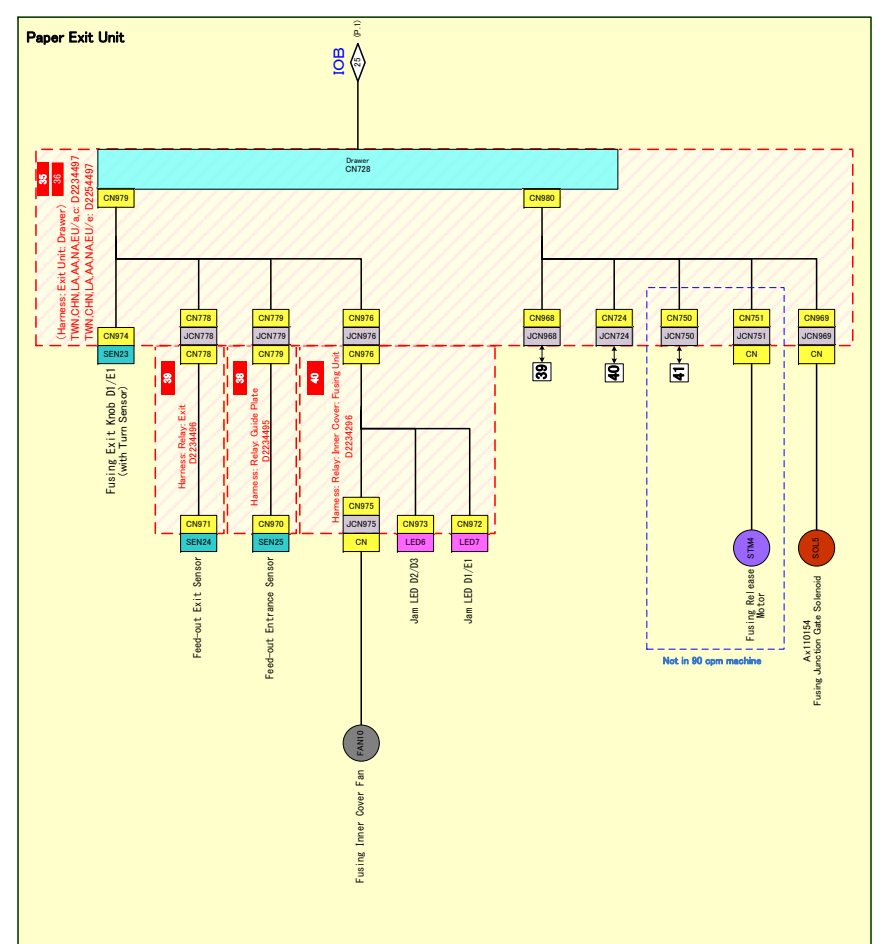
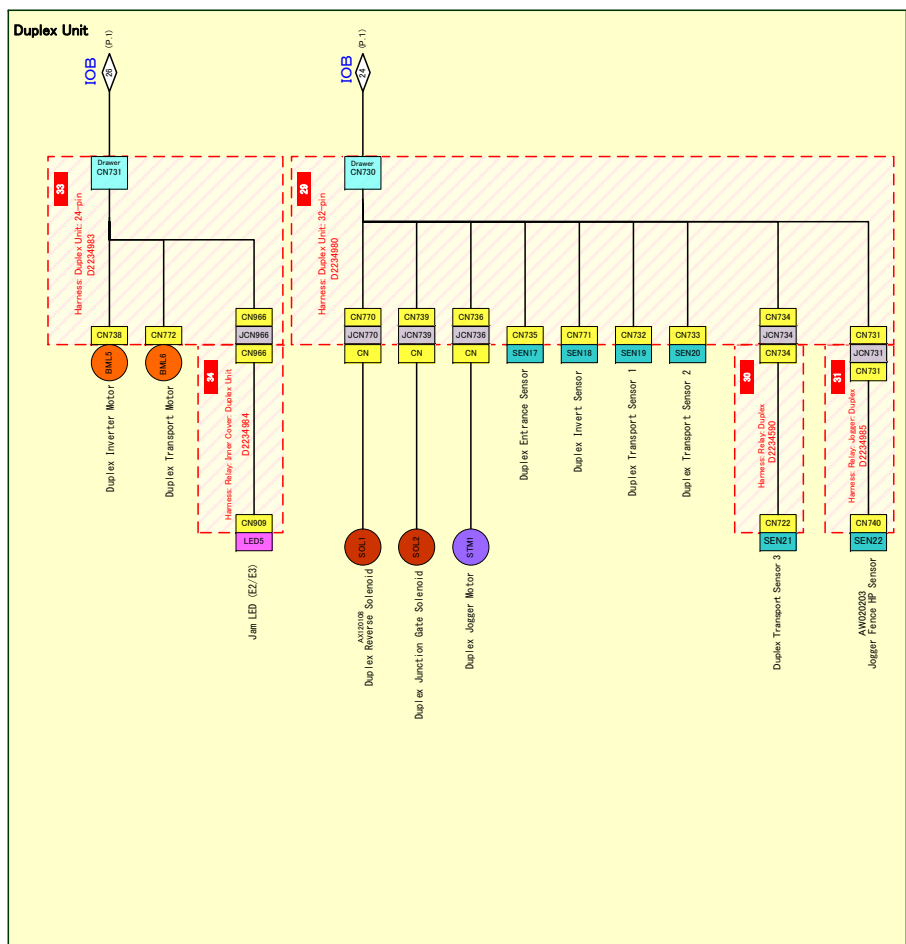
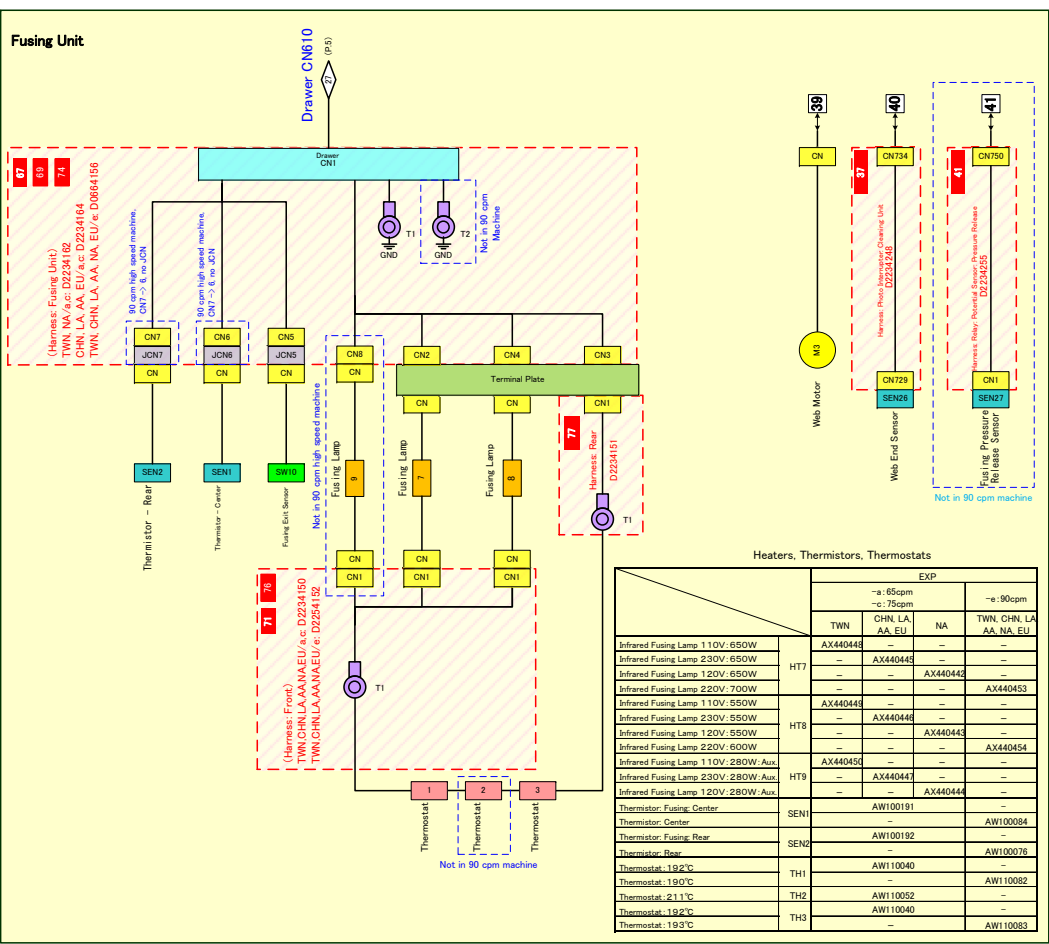
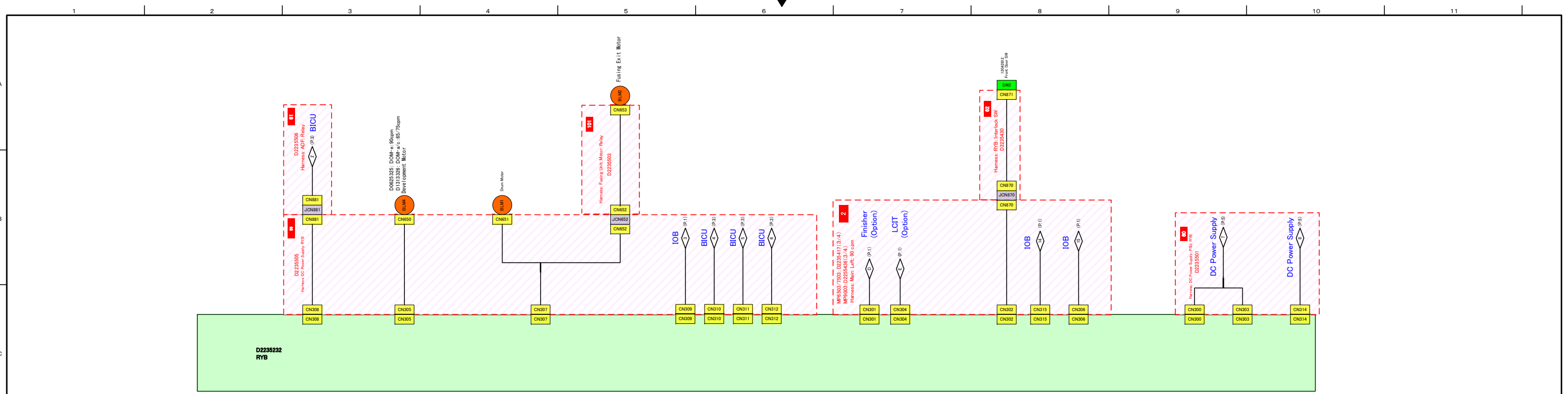


	- Harness no.		- Harness		- Other
	- PCB		- Electrical Component		- Other
	- UNIT		- Relay		- Drawer
	- OPTION				

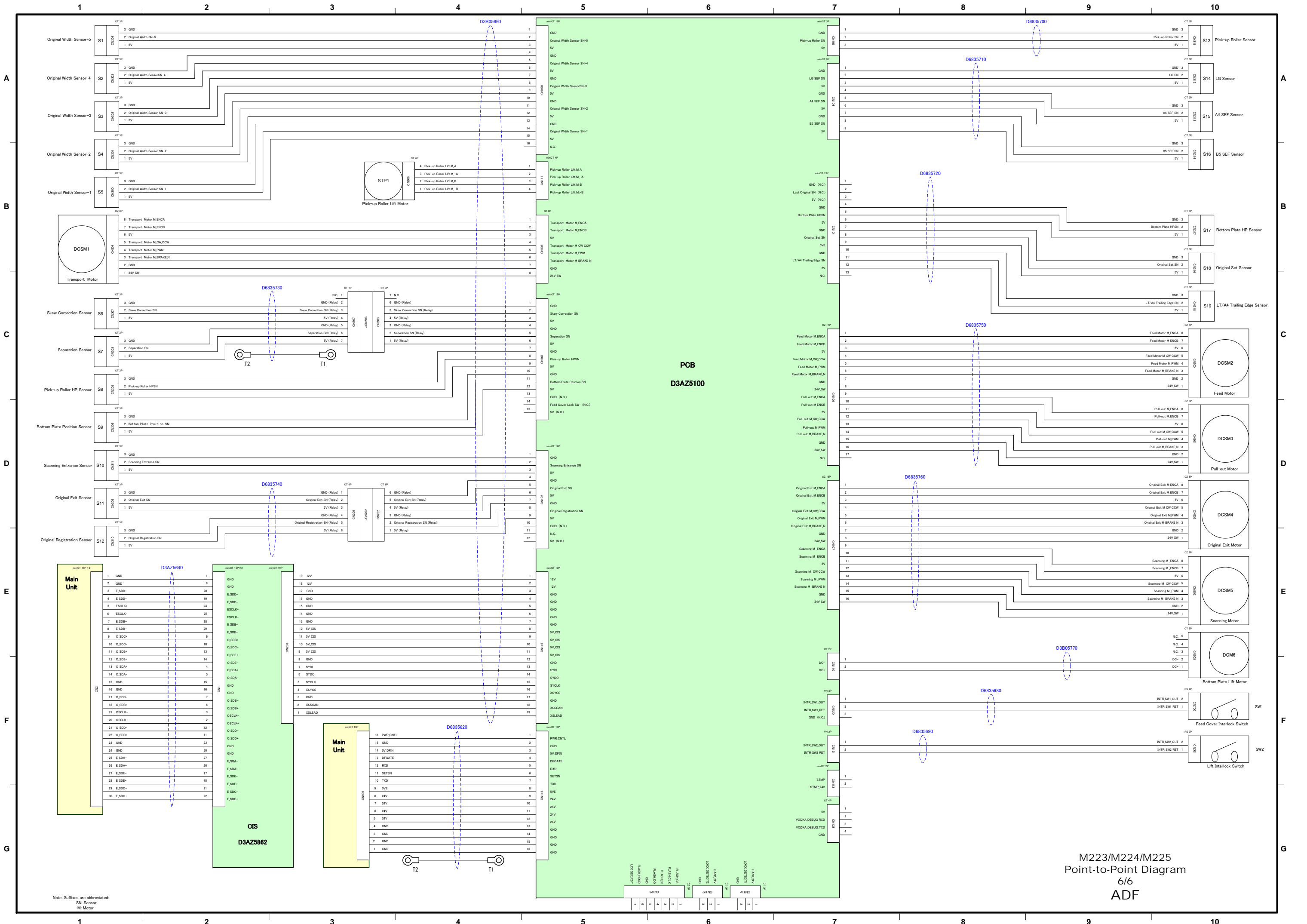


■	Harness No.		Harness		Unit
	PCB		Electrical Component		Relay
	Option		Drawer		





<RYB, Fusing, Duplex, Exit> Japanese English



PCB
D3AZ5100

M223/M224/M225
Point-to-Point Diagram
6/6
ADF

Note: Suffixes are abbreviated:
SN: Sensor
M: Motor

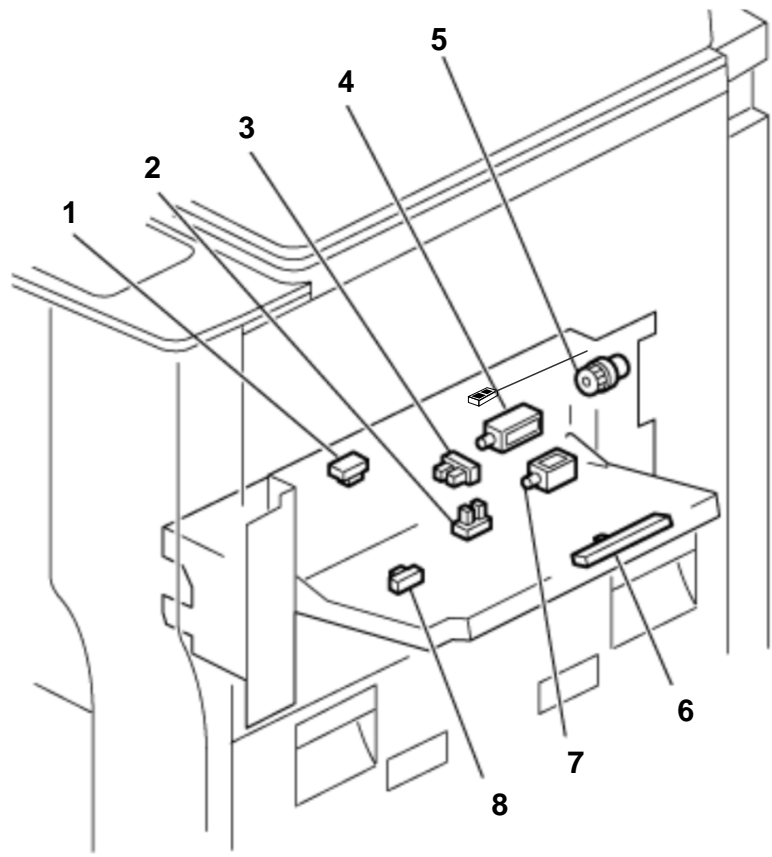


Fig.1

d223d7000

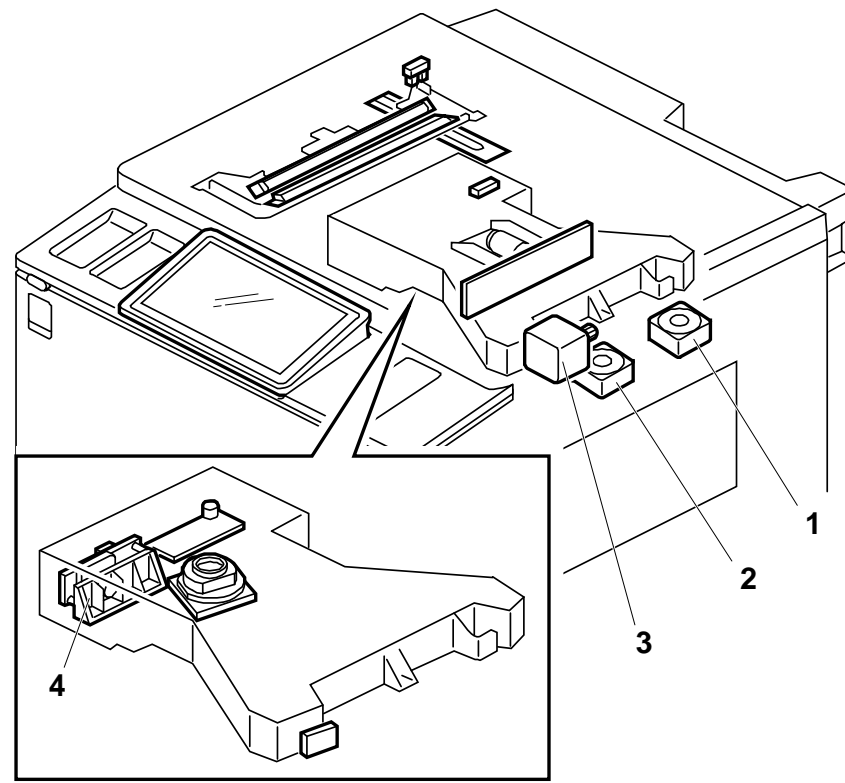


Fig.2

d223d7006

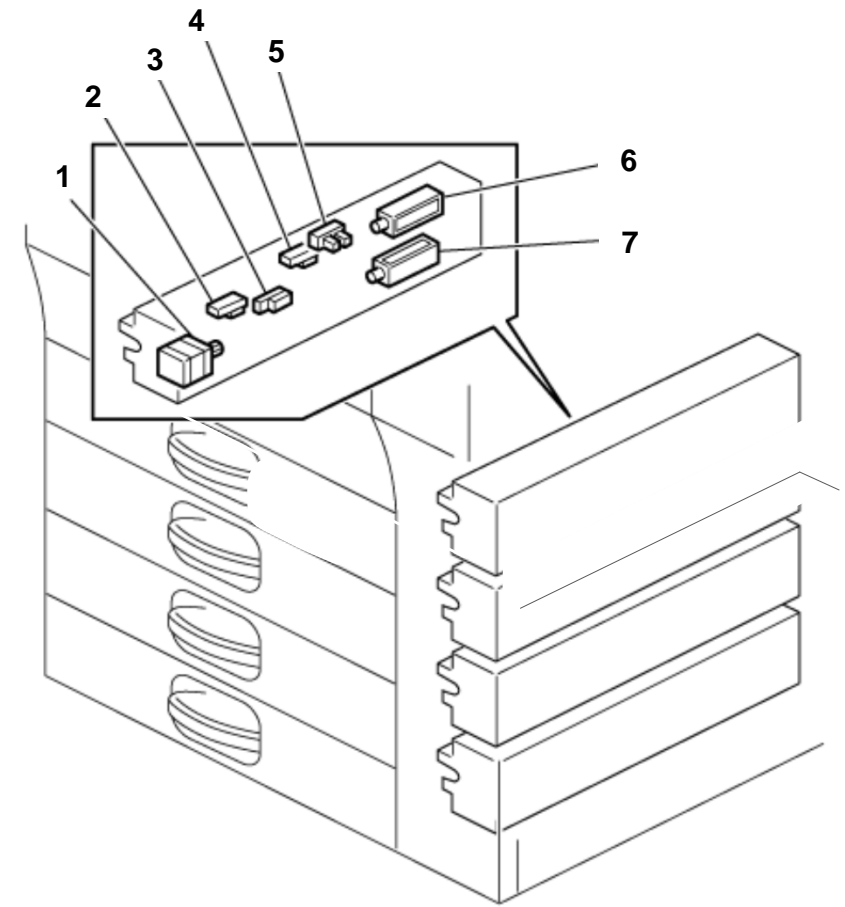


Fig.3

d223c6125

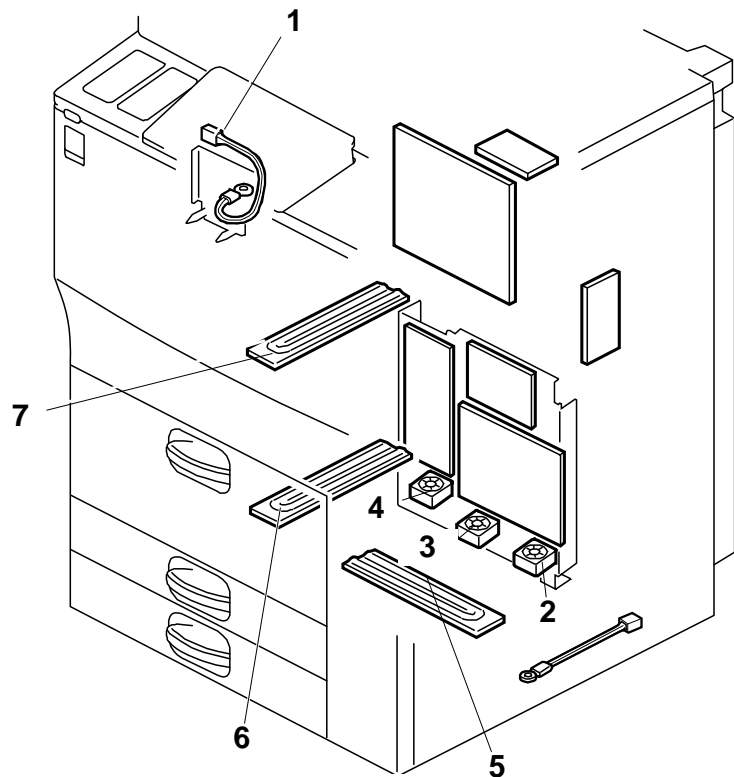


Fig.4

d223d7007

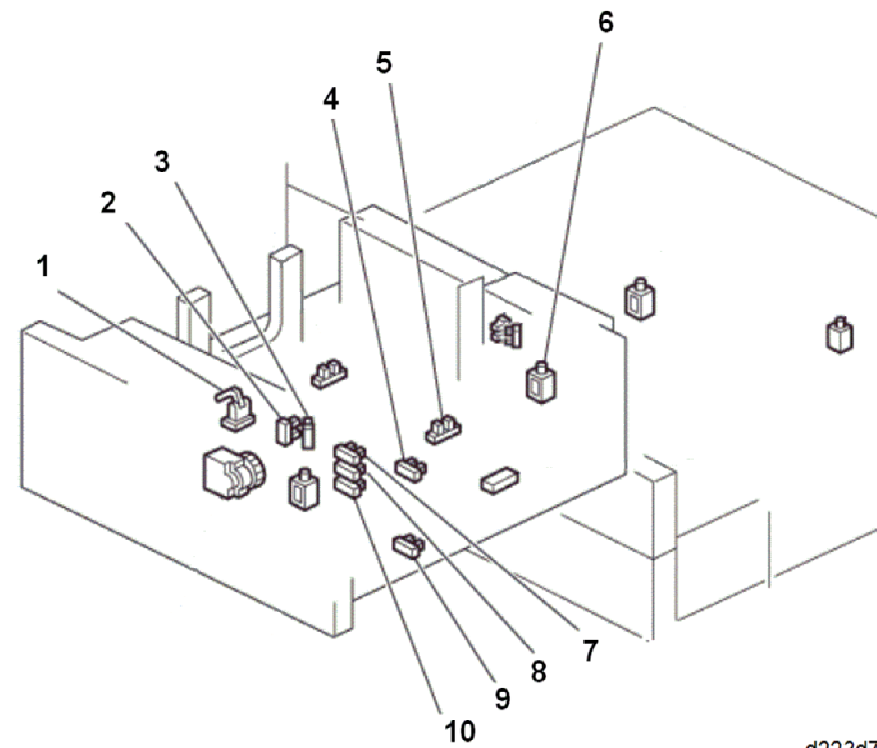


Fig.5

d223d7003

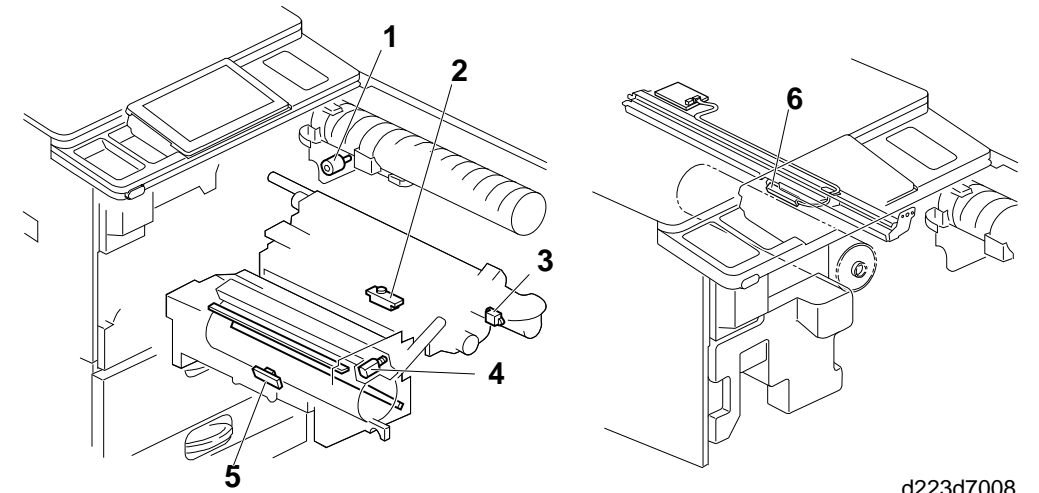


Fig.6

d223d7008

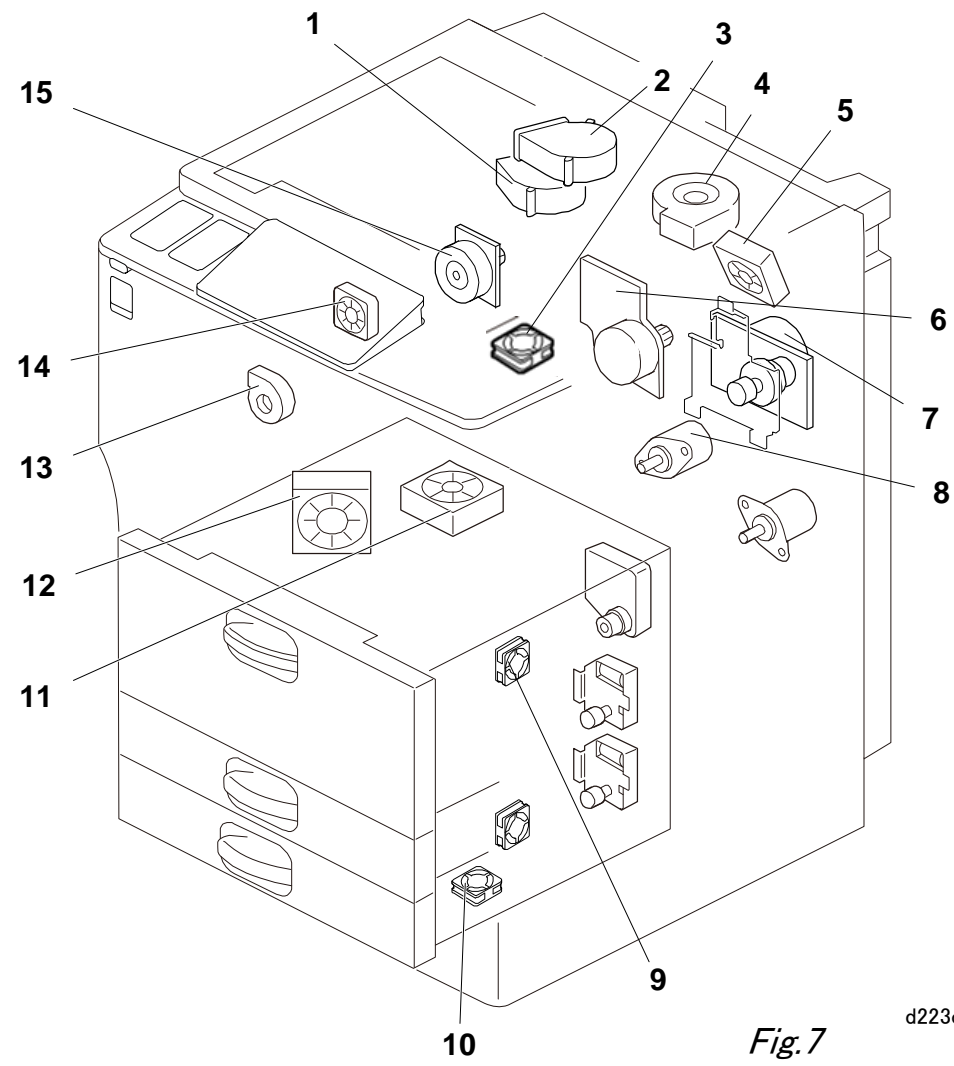


Fig.7

d223c6128

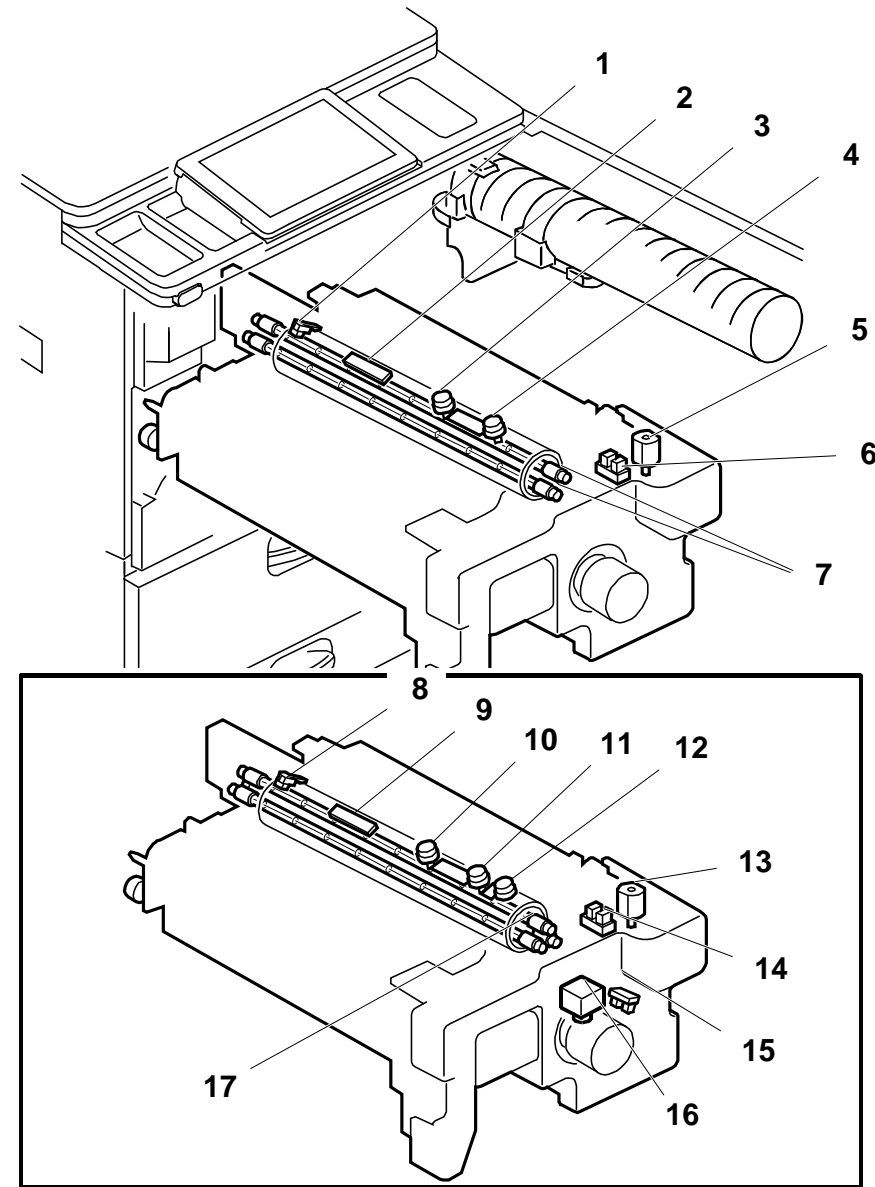


Fig.8

d223d7012

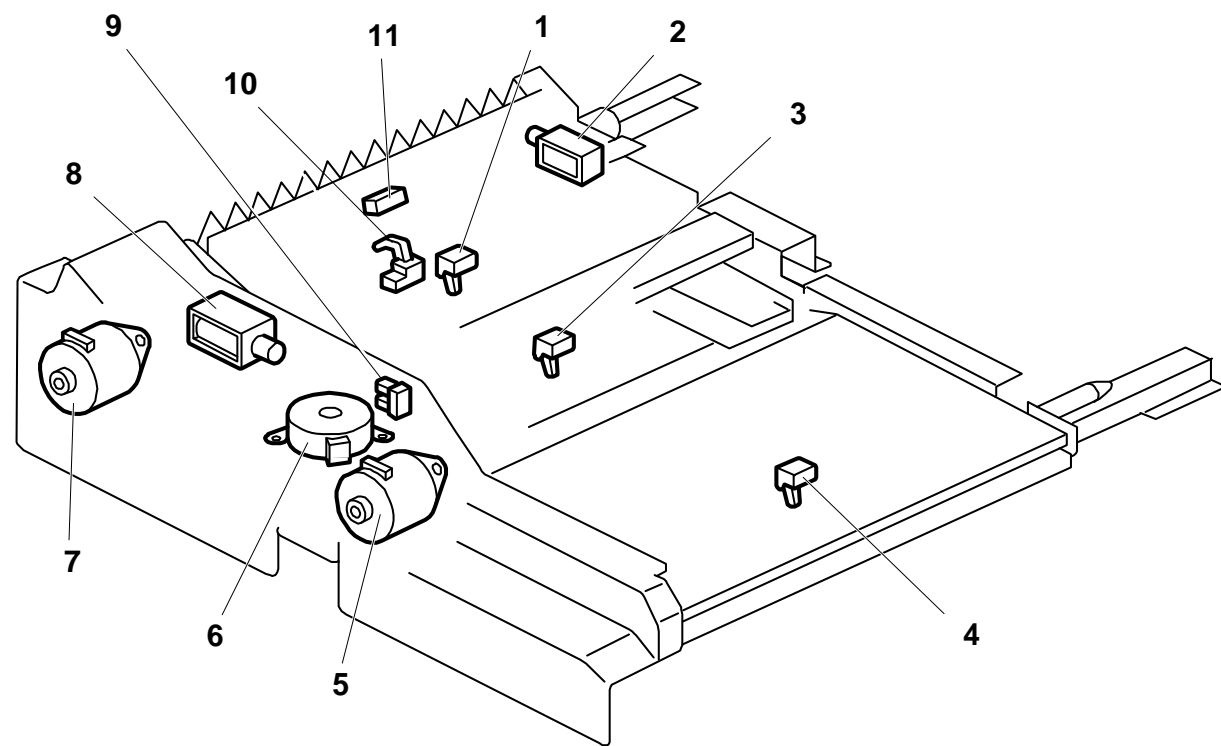


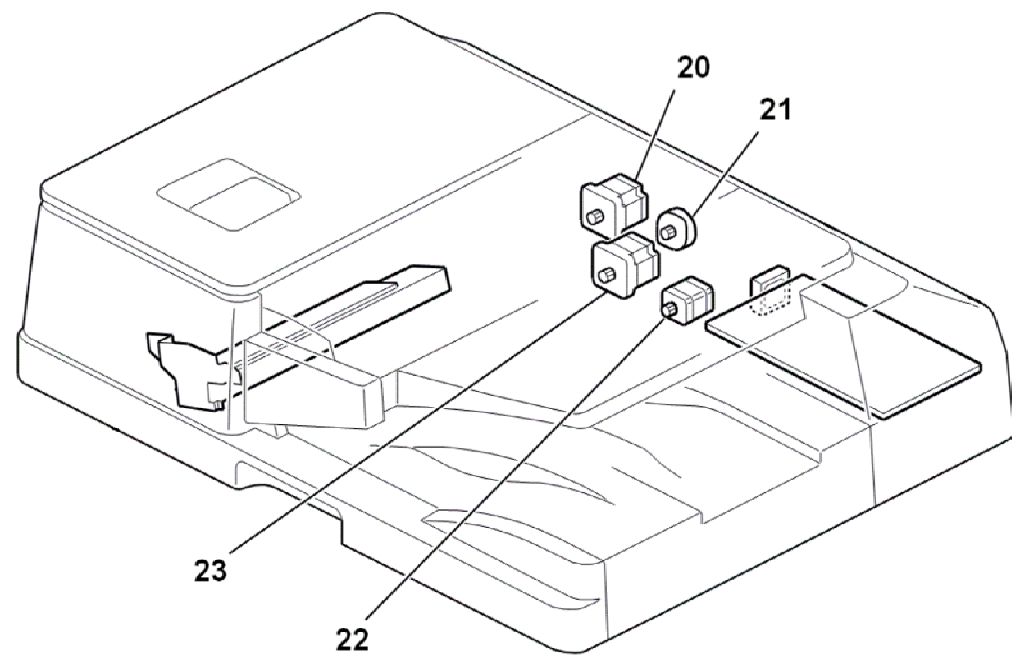
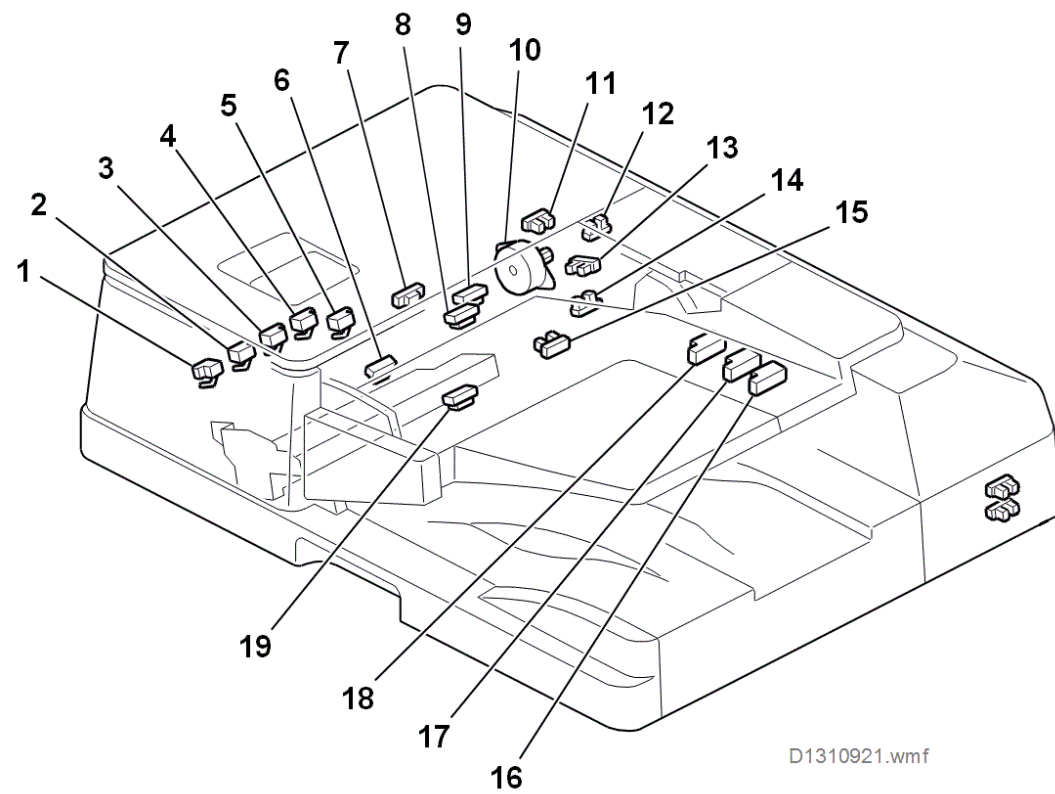
Fig.9

d223d7013

Symbols	Index No.	Description	P to P	Page
Sensors				
SEN1	Fig.8-2/8	Thermistor-Center	E2	4/6
SEN2	Fig.8-1/9	Thermistor-Rear	E1	4/6
SEN6	Fig.1-3	Guide Plate Open Sensor	G8	1/6
SEN8	Fig.1-2	Bypass Paper End Sensor	G9	1/6
SEN9	Fig.1-8	Relay Sensor	G9	1/6
SEN10	Fig.1-1	Registration Sensor	G10	1/6
SEN11	Fig.6-3	Toner End Sensor	G11	1/6
SEN12	Fig.6-2	TD Sensor	G11	1/6
SEN13	Fig.4-1	Internal Temperature Sensor	B3	1/6
SEN14	Fig.6-6	Potential Sensor	A4	1/6
SEN15	Fig.6-5	ID Sensor	B4	1/6
SEN16	-	Used Toner Motor Sensor	C6	1/6
SEN17	Fig.9-11	Duplex Entrance Sensor	E7	4/6
SEN18	Fig.9-10	Duplex Invert Sensor	E7	4/6
SEN19	Fig.9-1	Duplex Transport Sensor 1	E7	4/6
SEN20	Fig.9-3	Duplex Transport Sensor 2	E7	4/6
SEN21	Fig.9-4	Duplex Transport Sensor 3	F8	4/6
SEN22	Fig.9-9	Jogger Fence HP Sensor	F8	4/6
SEN23	-	Fusing Exit Knob D1/E1 (With Turn Sensor)	E9	4/6
SEN24	-	Feed-out Exit Sensor	F9	4/6
SEN25	-	Feed-out Entrance Sensor	F9	4/6
SEN26	Fig.8-6/14	Web End Sensor	E4	4/6
SEN27	-	Fusing Pressure Release Sensor	E5	4/6
SEN28	-	-	C3	3/6
SEN29	-	-	C7	3/6
SEN30	-	-	C8	3/6
SEN31	-	-	C8	3/6
SEN32	-	Temperature Sensor	C1	2/6
SEN33	-	Paper Feed Sensor	C3	2/6
SEN34	-	Vertical Transport Sensor	C3	2/6
SEN35	Fig.3-4	Paper End Sensor	C4	2/6
SEN36	Fig.3-5	Lift Sensor	C4	2/6
SEN39	Fig.3-2	Paper Feed Sensor	C6	2/6
SEN40	Fig.3-3	Vertical Transport Sensor	C6	2/6
SEN41	Fig.3-2	Paper Feed Sensor	C7	2/6
SEN42	Fig.3-3	Vertical Transport Sensor	C7	2/6
SEN43	Fig.3-2	Paper Feed Sensor	C7	2/6
SEN44	Fig.3-3	Vertical Transport Sensor	C8	2/6
SEN45	Fig.3-2	Paper Feed Sensor	C8	2/6
SEN46	Fig.3-3	Vertical Transport Sensor	C8	2/6
SEN49	-	Rear Fence HP Sensor	F4	2/6
SEN50	Fig.5-5	Pressure Sensor	F5	2/6
SEN51	Fig.5-1	Left Tray Paper End Sensor	F5	2/6
SEN53	Fig.5-9	Tandem Tray Down Sensor	F5	2/6
SEN57	-	Toner Motor Lock Sensor	G5	1/6
SEN58	-	C1 Open Sensor	G6	1/6
SEN59	Fig.1-6	Bypass Paper Size Detection Board	G8	1/6
SEN60	Fig.5-3	Front Side Fence Open Sensor	F6	2/6
SEN61	Fig.5-2	Front Side Fence Closed Sensor	F6	2/6
SEN62	Fig.5-3	Rear Side Fence Open Sensor	F6	2/6
SEN63	Fig.5-2	Rear Side Fence Closed Sensor	F6	2/6
SEN64	Fig.5-7	Tray 1 Paper Height Sensor 1	F6	2/6
SEN65	Fig.5-8	Tray 1 Paper Height Sensor 2	F6	2/6
SEN66	Fig.5-4	Tandem Near End Sensor	F7	2/6
SEN67	-	Right Tray Paper Sensor	F7	2/6
SEN68	Fig.5-10	Tray 1 Paper Height Sensor 3	F7	2/6

Symbols	Index No.	Description	P to P	Page
Motors				
M1	Fig.6-1	Toner Bottle Motor	M1	1/6
M2	Fig.6-4	Charge Cleaner Motor	A4	1/6
M3	Fig.8-5/13	Web Motor	E4	4/6
M4	-	Tandem Lift Motor	E1	2/6
M5	-	Rear Fence Motor	F4	2/6
M9	-	Bottom Plate Lift Motor3	E2	2/6
M10	-	Bottom Plate Lift Motor4	E3	2/6
BLM1	Fig.7-6	Drum Motor	B4	4/6
BLM2	Fig.7-15	Fusing Exit Motor	A5	4/6
BLM3	Fig.7-8	Registration Motor	F11	1/6
BLM4	Fig.7-7	Development Motor	B3	4/6
BLM5	Fig.9-7	Duplex Inverter Motor	E5	4/6
BLM6	Fig.9-5	Duplex Transport Motor	E5	4/6
BLM7	Fig.2-4	Polygon Motor	A5	3/6
BLM8	-	Toner Exit Motor	G4	1/6
BLM9	Fig.3-1	Paper Feed Motor	C4	2/6
BLM10	-	Relay Motor	C6	2/6
BLM11	-	Paper Feed Motor3	C7	2/6
BLM12	-	Paper Feed Motor4	C8	2/6
BLM13	-	Relay Motor	F11	1/6
STM1	Fig.9-6	Duplex Jogger Motor	F7	4/6
STM2	Fig.2-3	Scanner Motor	C8	3/6
STM4	-	Fusing Release Motor	F11	4/6
Fans				
FAN1	Fig.7-4	Main Intake Fan	C7	1/6
FAN2	Fig.7-2	Main Exhaust Fan	C7	1/6
FAN3	Fig.7-5	Drum Fan	C7	1/6
FAN4	Fig.2-2	Development Unit Fan 1	B7	1/6
FAN5	Fig.2-1	Development Unit Fan 2	B8	1/6
FAN6	Fig.7-11	Duplex Fan	G7	1/6
FAN7	Fig.7-12	PCU Fan	A6	1/6
FAN8	Fig.7-14	Toner Bottle Fan	C3	1/6
FAN9	Fig.7-3	Controller Fan	F1	1/6
FAN10	Fig.7-13	Fusing Inner Cover Fan	G10	4/6
FAN11	Fig.7-1	Heat Exhaust Fan	C6	1/6
FAN12	Fig.4-2	PSU Fan1	G4	1/6
FAN13	Fig.4-3	PSU Fan2	G4	1/6
FAN14	Fig.4-4	AC Drive Board Fan	G2	1/6
FAN18	Fig.7-10	PFU Fan4	C2	2/6
FAN19	Fig.7-9	PFU Fan1	C2	2/6
Heaters				
H4	Fig.4-7	Drum Heater	E6/G4	5/6
H5	Fig.4-6	Paper Bank Heater-Upper	F6/G3	5/6
H6	Fig.4-5	Paper Bank Heater-Lower	F6/G3	5/6
H7	-	Scanner Motor	E7/G4	5/6

Symbols	Index No.	Description	P to P	Page
LEDs				
LED1	-	Jam LED C1	A5	1/6
LED2	-	Jam LED B1	G10	1/6
LED3	-	Jam LED B2	G10	1/6
LED4	-	Jam LED C2	G11	1/6
LED5	-	Jam LED (E2/E3)	F6	4/6
LED6	-	Jam LED D2/D3	F10	4/6
LED7	-	Jam LED D1/E1	F10	4/6
LED8	-	Jam LED A	C2	2/6
Solenoids				
SOL1	Fig.9-8	Duplex Reverse Solenoid	F6	4/6
SOL2	Fig.9-2	Duplex Junction Gate Solenoid	F6	4/6
SOL3	Fig.1-7	Guide Plate Solenoid	G8	1/6
SOL4	Fig.1-4	Bypass Pick-up Solenoid	G10	1/6
SOL5	-	Fusing Junction Gate Solenoid	F11	4/6
SOL6	Fig.5-6	Tandem Left Tray Solenoid	F4	2/6
SOL7	-	Front End Fence Solenoid	F5	2/6
SOL8	-	Rear End Fence Solenoid	F5	2/6
SOL9	-	Tandem Tray Lock Solenoid	F4	2/6
SOL11	Fig.3-6	Pick-up Solenoid 1	C3	
SOL13	Fig.3-6	Pick-up Solenoid 3	C6	2/6
SOL14	Fig.3-6	Pick-up Solenoid 4	C8	2/6
SOL15	Fig.3-7	Reverse Release Solenoid 1	C4	2/6
SOL17	Fig.3-7	Reverse Release Solenoid 3	C7	2/6
SOL18	Fig.3-7	Reverse Release Solenoid 4	C8	2/6
SOL19	-	Transfer Belt Lift Solenoid	H6	1/6
Clutches				
CL1	Fig.1-5	Bypass Feed Clutch	G9	1/6
Switches				
SW2	-	Front Door SW	A8	4/6
SW8	-	Tray 3 Paper Size Detection Switch	F4	2/6
SW9	-	Tray 4 Paper Size Detection Switch	F4	2/6
SW10	-	Fusing Exit Sensor	E2	4/6
SW11	-	Toner Bottle Set Sensor	G4	1/6
SW12	-	Toner Bottle Full Sensor	G5	1/6
Fusing Lamps				
8	Fig.8-7/17	Fusing Lamp	E3	4/6
7	Fig.8-7/17	Fusing Lamp	E2	4/6
9	Fig.8-7/17	Fusing Lamp	E2	4/6
Thermostats				
1	Fig.8-3/10	Thermostat	G2	4/6
2	Fig.8-11	Thermostat	G2	4/6
3	Fig.8-4/12	Thermostat	G3	4/6



Symbols	Index No.	Description	P to P	Page
Sensors				
S1	1	Original Width Sensor-5	A1	6/6
S2	2	Original Width Sensor-4	A1	6/6
S3	3	Original Width Sensor-3	A1	6/6
S4	4	Original Width Sensor-2	B1	6/6
S5	5	Original Width Sensor-1	B1	6/6
S6	9	Skew Correction Sensor	C1	6/6
S7	8	Separation Sensor	C1	6/6
S8	11	Pick-up Roller HP Sensor	C1	6/6
S9	13	Bottom Plate Position Sensor	D1	6/6
S10	7	Scanning Entrance Sensor	D1	6/6
S11	19	Original Exit Sensor	D1	6/6
S12	6	Original Registration Sensor	E1	6/6
S13	12	Pick-up Roller Sensor	A10	6/6
S14	18	LG Sensor	A10	6/6
S15	17	A4 SEF Sensor	A10	6/6
S16	16	B5 SEF Sensor	B10	6/6
S17	15	Bottom Plate HP Sensor	B10	6/6
S18	14	Original Set Sensor	B10	6/6
S19	-	LT/A4 Trailing Edge Sensor	C10	6/6
Motors				
STP1	10	Pick-up Roller Lift Motor	B3	6/6
DCSM1	23	Transport Motor	B1	6/6
DCSM2	20	Feed Motor	C10	6/6
DCSM3	-	Pull-out Motor	D10	6/6
DCSM4	22	Original Exit Motor	D10	6/6
DCSM5	-	Scanning Motor	E10	6/6
DCSM6	21	Bottom Plate Lift Motor	E10	6/6
Switches				
SW1	-	Feed Cover Interlock Switch	F10	6/6
SW2	-	Lift Interlock Switch	F10	6/6

RICOH MP9003SP/7503/6503 Pin Assignment Lists

Harness No.	Harness P/N	CN (From)				Signal Info.				Relay				CN (To)									
		No.	Device	Pin No.	Signal Name	DIR	L	H	Harness P/N	No.	Device	Pin No.	Signal Name	DIR	L	H							
28	D2235418	CN253	IOB	A1	Duplex Reverse Solenoid: +24VS	P			D2234980	CN730	1	Duplex Reverse Solenoid											
				A2	Duplex Reverse Solenoid: Drive	O	OFF	ON			2	Duplex Junction Gate Solenoid											
				A3	Duplex Junction Gate Solenoid: +24VS	P					3	Duplex UNISetDetection											
				A4	Duplex Junction Gate Solenoid: Drive	O	OFF	ON			4	Duplex Entrance Sensor											
				A5	Duplex UNISetDetection: Input	I	Set	Not Set			5	Duplex Invert Sensor											
				A6	Duplex UNISetDetection: GND	G					6	Duplex Transport Sensor 1											
				A7	Duplex Entrance Sensor: +5V	P					7	Jogger Fence HP Sensor											
				A8	Duplex Entrance Sensor: Input	I	Paper Not Detected	Paper Detected			8	Duplex Transport Sensor 2											
				A9	Duplex Entrance Sensor: GND	G					9	Duplex Transport Sensor 3											
				A10	Duplex Invert Sensor: +5V	P					10	Duplex Jogger Motor											
				A11	Duplex Invert Sensor: Input	I	Paper Detected	Paper Not Detected			11	NC											
				A12	Duplex Invert Sensor: GND	G					12	NC											
				A13	Duplex Transport Sensor 1: +5V	P					13	NC											
				A14	Duplex Transport Sensor 1: Input	I	Paper Detected	Paper Not Detected			14	NC											
				A15	Duplex Transport Sensor 1: GND	G					15	NC											
				B1	Jogger Fence HP Sensor: +5V	P					16	NC											
				B2	Jogger Fence HP Sensor: Input	I	Without Feeler	With Feeler			17	NC											
				B3	Jogger Fence HP Sensor: GND	G					18	NC											
				B4	Duplex Transport Sensor 2: +5V	P					19	NC											
				B5	Duplex Transport Sensor 2: Input	I	Paper Detected	Paper Not Detected			20	NC											
				B6	Duplex Transport Sensor 2: GND	G					21	NC											
				B7	Duplex Transport Sensor 3: +5V	P					22	NC											
				B8	Duplex Transport Sensor 3: Input	I	Paper Detected	Paper Not Detected			23	NC											
				B9	Duplex Transport Sensor 3: GND	G					24	NC											
				B10	Duplex Jogger Motor: +24VS	P					25	NC											
				B11	Duplex Jogger Motor: APhaseDrive	O	OFF	ON			26	NC											
				B12	Duplex Jogger Motor: -APhaseDrive	O	OFF	ON			27	NC											
				B13	Duplex Jogger Motor: -BPhaseDrive	O	OFF	ON			28	NC											
				B14	Duplex Jogger Motor: BPhaseDrive	O	OFF	ON			29	NC											
				B15	Duplex Jogger Motor: +24VS	P					30	NC											
							NC				31	NC											
							NC				32	NC											
				29	D2234980	CN730	IOB Relay D2235418 CN730	1			Feed-out Entrance Sensor: +5V	P			D2234497	CN979	1	Feed-out Entrance Sensor					
								2			Feed-out Entrance Sensor: Input	I	Paper Detected	Paper Not Detected			2	Feed-out Exit Sensor					
								3			Feed-out Entrance Sensor: GND	G					3	Jam LED (D1/E1): +5V					
								4			Feed-out Exit Sensor: +5V	P					4	Jam LED (D1/E1): Drive	O	Light Off	Light Off		
								5			Feed-out Exit Sensor: Input	I	Paper Detected	Paper Not Detected			5	Jam LED (D2/D3): +5V	P				
								6			Feed-out Exit Sensor: GND	G					6	Jam LED (D2/D3): Drive	O	Light Off	Light Off		
								7			Jam LED (D1/E1): +5V	P					7	Fusing Exit Knob D1/E1 (With Turn Sensor): +5V	P				
								8			Jam LED (D1/E1): Drive	O	Light Off	Light Off			8	Fusing Exit Knob D1/E1 (With Turn Sensor): Input	I	Not Detect	Detected		
								9			Jam LED (D2/D3): +5V	P					9	Fusing Exit Knob D1/E1 (With Turn Sensor): GND	G				
								10			Jam LED (D2/D3): Drive	O	Light Off	Light Off			10	Fusing Inner Cover Fan: Drive	O	OFF	ON		
								11			Fusing Exit Knob D1/E1 (With Turn Sensor): +5V	P					11	Fusing Inner Cover Fan: Lock	I	Lock	Rotate		
								12			Fusing Exit Knob D1/E1 (With Turn Sensor): Input	I	Not Detect	Detected			12	Fusing Inner Cover Fan: +24V	P				
								13			Fusing Exit Knob D1/E1 (With Turn Sensor): GND	G					13	NC	N				
								14			Fusing Inner Cover Fan: Drive	O	OFF	ON			14	Fusing Release Motor: +24VS	P				
								15			Fusing Inner Cover Fan: Lock	I	Lock	Rotate			15	Fusing Release Motor: +24VS	P				
								16			Fusing Inner Cover Fan: +24V	P					16	Fusing Release Motor: A	O				
								17			NC	N					17	Fusing Release Motor: XA	O				
								18			Fusing Release Motor: +24VS	P					18	Fusing Release Motor: B	O				
								19			Fusing Release Motor: +24VS	P					19	Fusing Release Motor: XB	O				
								20			Fusing Release Motor: A	O					20	Dummy Line	N				
								21			Fusing Release Motor: XA	O					21	Dummy Line	N				
								22			Fusing Release Motor: B	O					22	Fusing Pressure Release Sensor: +5V	P				
								23			Fusing Release Motor: XB	O					23	Fusing Pressure Release Sensor: Input	I	Not Release	Release		
								24			Dummy Line	N					24	Fusing Pressure Release Sensor: GND	G				
								25			Dummy Line	N					25	Fusing Junction Gate Solenoid: Drive	O	OFF	ON		
								26			Fusing Pressure Release Sensor: +5V	P					26	Fusing Junction Gate Solenoid: +24VS	P				
								27			Fusing Pressure Release Sensor: Input	I	Not Release	Release			27	Fusing Junction Gate Solenoid: Drive	O	OFF	ON		
								28			Fusing Pressure Release Sensor: GND	G					28	Fusing Junction Gate Solenoid: +24VS	P				
								29			Fusing Junction Gate Solenoid: Drive	O	OFF	ON			29	Paper Exit UNI Set Detection: Input	I	Set	Not Set		
								30			Fusing Junction Gate Solenoid: +24VS	P					30	Paper Exit UNI Set Detection: GND	G				
								31			Paper Exit UNI Set Detection: Input	I	Set	Not Set			31	Web End Sensor: +5V	P				
								32			Paper Exit UNI Set Detection: GND	G					32	Web End Sensor: Input	I	Not Release	Web End		
								33			Web End Sensor: +5V	P					33	Web End Sensor: GND	G				
								34			Web End Sensor: Input	I	Not Release	Web End			34	Web Motor: Drive	P	OFF	ON		
								35			Web End Sensor: GND	G					35	Web Motor: +5V	O				
								36			Web Motor: Drive	P	OFF	ON			36	NC	N				
								37			Web Motor: +5V	O					37	NC	N				
													NC				38	NC	N				
													NC				39	NC	N				
													NC				40	NC	N				
													NC				41	NC	N				
													NC				42	NC	N				
													NC				43	NC	N				
													NC				44	NC	N				
													NC				45	NC	N				
													NC				46	NC	N				
													NC				47	NC	N				
													NC				48	NC	N				
													NC				49	NC	N				
													NC				50	NC	N				
													NC				51	NC	N				
													NC				52	NC	N				
													NC				53	NC	N				
													NC				54	NC	N				
													NC				55	NC	N				
													NC				56	NC	N				
													NC				57	NC	N				
													NC				58	NC	N				
													NC				59	NC	N				
													NC				60	NC	N				
													NC				61	NC	N				
													NC				62	NC	N				
													NC				63	NC	N				
													NC				64	NC	N				
													NC				65	NC	N				
													NC				66	NC	N				
													NC				67	NC	N				
													NC				68	NC	N				
			NC						69	NC	N												
			NC						70	NC	N												
			NC						71	NC	N												
			NC						72	NC	N												
			NC						73	NC	N												
			NC						74	NC	N												
			NC						75	NC	N												
			NC						76	NC	N												
			NC						77	NC	N												
			NC						78	NC	N												
			NC						79	NC	N												
			NC						80	NC	N												
			NC						81	NC	N												
			NC						82	NC	N												
			NC						83	NC	N												
			NC						84	NC	N												
			NC						85	NC	N												
			NC						86	NC	N												
			NC						87	NC	N												
			NC						88	NC	N												
			NC						89	NC	N												
			NC						90	NC	N												
			NC						91	NC	N												
			NC						92	NC	N												
			NC						93	NC	N												
			NC						94	NC	N												
			NC						95	NC	N												
			NC						96	NC	N												
			NC						97	NC	N												
			NC						98	NC	N												
			NC						99	NC	N												
			NC						100	NC	N												

Harness No.	Harness P/N	CN (From)				Signal Info.				Relay				CN (To)			
		No.	Device	Pin No.	Signal Name	DIR	L	H	Harness P/N	No.	Device	Pin No.	Signal Name	DIR	L	H	
32	D2235422	CN254	IOB	A1	Duplex Inverter Motor: ENC A	I			D2234983	CN769	1	Duplex Inverter Motor					
				A2	Duplex Inverter Motor: ENC B	I					2	Duplex Transport Motor					
				A3	Duplex Inverter Motor: +5V	P					3	Duplex Transport Motor: ENC A	I				
				A4	Duplex Inverter Motor: CW/CCW	O	CW	CCW			4	Duplex Transport Motor: ENC B	I				
				A5	Duplex Inverter Motor: PWM	O	OFF	ON			5	Duplex Transport Motor: +5V	P				
				A6	Duplex Inverter Motor: BRAKE	O					6	Duplex Transport Motor: CW/CCW	O	CW	CCW		

RICOH MP9003SP/7503/6503 Pin Assignment Lists

Harness No.	Harness P/N	CN (From)		Signal Info.				Relay	CN (To)					
		No.	Device	Pin No.	Signal Name	DIR	L		H	No.	Device	Pin No.		
15	D2235416	CN271	JOB	A1	NC	N								
				A2	NC	N								
				A3	NC	N								
				A4	NC	N								
				A5	NC	N								
				A6	NC	N								
				A7	NC	N								
				A8	NC	N								
				A9	Key Counter: GND	G					NC885		4	
				A10	Key Counter/SetDetection: Input	I	Not Set	Set				Key Counter	3	
				A11	Key Counter: +24V	P							2	
				A12	Key Counter: Drive	O	Count	Not Count					1	
				A13	NC	O	Light Off	Light Off				NC	1	
				A14	NC	P						NC	1	
				A15	Internal Temperature Sensor: Temperature	I					D2235438	NC871	Internal Temperature Sensor	2
				A16	Internal Temperature Sensor: GND	G							1	
				A17	Toner Bottle Fan: +24V	P						NC886	Toner Bottle Fan	3
				A18	Toner Bottle Fan: Lock	I	Lock	Rotate					2	
				A19	Toner Bottle Fan: Drive	O	OFF	ON					1	
				B1	Charge Cleaner Motor: Drive (CCW+)	O	CCW	CW			D2232496	NC883	Charge Cleaner Motor	20
				B2	Charge Cleaner Motor: Drive (CW+)	O	ON	OFF					19	
				B3	ID Sensor: +5V	P							18	
				B4	ID Sensor: LEDDrive	O							17	
				B5	ID Sensor: Input	I							16	
				B6	PCU Fan: +24V	P							15	
				B7	PCU Fan: Lock	I	Lock	Rotate					14	
				B8	PCU Fan: Drive	O	OFF	ON					13	
				B9	QL (Quinching Lamp): +24V	P							12	
				B10	QL (Quinching Lamp): Drive	O	OFF	ON					11	
				B11	PTL: +24V	P							10	
				B12	PTL: Drive	O	OFF	ON					9	
				B13	Jam LED(C1): Drive	O	Light Off	Light Off					8	
B14	Jam LED(C1): +5V	P							7					
B15	NC	N							6					
B16	Potential Sensor: +24VS	P							5					
B17	Potential Sensor: Input	I							4					
B18	Potential Sensor: GND	G							3					
B19	Potential Sensor: GND	G							2					
			NC						1					
			NC						1					
			NC						1					
			Heat Exhaust Fan: +24V	P				NC876	Heat Exhaust Fan	4				
			Heat Exhaust Fan: Lock	I	Rotate	Lock			3					
			Heat Exhaust Fan: GND	G					2					
			Heat Exhaust Fan: Change Speed	O					1					
			Main Exhaust Fan: +24V	P				NC879	Main Exhaust Fan	4				
			Main Exhaust Fan: Lock	I	Rotate	Lock			3					
			Main Exhaust Fan: GND	G					2					
			Main Exhaust Fan: Change Speed	O					1					
			Main Intake Fan: +24V	P				NC878	Main Intake Fan	4				
			Main Intake Fan: Lock	O	Rotate	Lock			3					
			Main Intake Fan: GND	G					2					
			Main Intake Fan: Change Speed	O					1					
			Drum Fan: +24V	P				NC881	Drum Fan	3				
			Drum Fan: Lock	I	Lock	Rotate			2					
			Drum Fan: Drive	O	OFF	ON			1					
			Development Unit Fan1: +24V	P			D2231186	NC677	Development Unit Fan1	6				
			Development Unit Fan1: Lock	O	Lock	Rotate			5					
			Development Unit Fan1: Drive	O	OFF	ON			4					
			Development Unit Fan2: +24V	P					3					
			Development Unit Fan2: Lock	I	Lock	Rotate			2					
			Development Unit Fan2: Drive	O	OFF	ON			1					
			Grid PP Leak Detection: Input	I	Normal	Error		NC801	Grid PP	6				
			GridPP: PWM Output	O					5					
			Charge PP Leak Detection: Input	I	Normal	Error			4					
			Charge PP: PWM Output	O					3					
			HVP: GND	G					2					
			HVP: +24VS	P					1					
			Toner Exit Moto rRotate Detection Sensor: GND	G				NC882	Toner Exit Moto rRotate Detection Sensor	3				
			Toner Exit Moto rRotate Detection Sensor: Input	I	Not Detected	Detected			2					
			Toner Exit Moto rRotate Detection Sensor: +5V	P					1					
			NC	N					1					
			NC	N					1					
			SCI: G-MAC Data Output Signal	I				NC400		11				
			SCI: G-MAC Data Input Signal	O					10					
			SCI: G-MAC Clock Signal	O					9					
			SCI: G-MAC Chip Select Signal	O					8					
			APCSignal	O					7					
			G-MAC Error Signal	I					6					
			Door Detection Signal	I					5					
			GND	G					4					
			GND	G					3					
			SV Power	P					2					
			SV Power	P					1					
			Main Power DC Push SW State Monitoring	I				NC870	PW BTN N	2				
			GND	G					1					
			GND	G				NC863	Lift	3				
			Platen ADF Sensor Signal	I					2					
			AKS: 5VE Power	P					1					
			MSENS1 (Human Detection Sensor) Power (+3.3VE)	P				NC691		5				
			Motion Sensor Signal	I					4					
			GND	G					3					
			Motion Sensor Signal	O					2					
			Motion Sensor Signal	O					1					
			Development Unit Fan1: 24V					NC676	Development Unit Fan1	3				
			Development Unit Fan1: Lock						2					
			Development Unit Fan1: Drive						1					
			Development Unit Fan2: 24V					NC675	Development Unit Fan2	3				
			Development Unit Fan2: Lock						2					
			Development Unit Fan2: Drive						1					

Harness No.	Harness P/N	CN (From)		Signal Info.				Relay	CN (To)					
		No.	Device	Pin No.	Signal Name	DIR	L		H	No.	Device	Pin No.		
18	D2232496	NC883	JOB Relay D2235416 CN883	1	CCM: CW				D2232489	NC684	CCM	15		
				2	CCM: CW							14		
				3	ID Sensor: +5V								13	
				4	ID Sensor: LEDDrive								12	
				5	ID Sensor: Input								11	
				6	PCU Fan: +24V								10	
				7	PCU Fan: Lock								9	
				8	PCU Fan: Drive								8	
				9	QL (Quinching Lamp): +24V								7	
				10	QL (Quinching Lamp): Drive								6	
				11	PTL: +24V								5	
				12	PTL: Drive								4	
				13	Jam LED(C1): Drive								3	
				14	Jam LED(C1): +5V								2	
				15	NC								1	
				16	Potential Sensor: +24VS						D2232448	NC685	Potential Sensor	4
				17	Potential Sensor: Input								3	
				18	Potential Sensor: GND								2	
				19	Potential Sensor: GND								1	
							NC						1	
			CCM: CW					NC687	CCM	2				
			CCM: CW						1					
			ID Sensor: +5V					NC688	ID Sensor	3				
			ID Sensor: LEDDrive						2					
			ID Sensor: Input						1					
			PCU Fan: +24V					NC689	PCU Fan	3				
			PCU Fan: Lock						2					
			PCU Fan: Drive						1					
			QL (Quinching Lamp): +24V					D2232495	NC686	QL (Quinching Lamp)	2			
			QL (Quinching Lamp): Drive						1					
			PTL: +24V						1					
			PTL: Drive					NC670	PTL	2				
			PTL: Drive						1					
			Jam LED(C1): Drive					D2235473	NC671	Jam LED(C1)	2			
			Jam LED(C1): +5V						1					
			NC						1					
			NC						1					
			QL (Quinching Lamp): +24V					NC660	QL (Quinching Lamp)	2				
			QL (Quinching Lamp): Drive						1					
			Jam LED(C1): Drive					NC672	Jam LED(C1)	2				
			Jam LED(C1): +5V						1					
			+24V Power					NC714		7				
			+24V Power						6					
			GND						5					
			GND						4					
			Polygon Motor On						3					
			Polygon Motor Ready						2					
			Polygon Moto Clock						1					
			Synchronized Signal					NC862	Synchronized Detection Board	3				
			+5V Power						2					
			GND						1					
			Potential Sensor: +24VS					NC1008	Potential Sensor	2				
			Potential Sensor: Input						1					
			Potential Sensor: GND						1					
			Potential Sensor: GND						1					
			SENS VDD					NC762	MSENS1 (Human Detection Sensor)	6				
			GND						5					
			SENS SIG1						4					
			SOI CLK						3					
			SPI DAT						2					
			CSI N						1					
			SENS VDD					NC763	MSENS1 (Human Detection Sensor)	6				
			GND						5					
			SENS SIG2						4					
			SOI CLK						3					
			SPI DAT						2					
			CS2 N						1					
			Internal Temperature Sensor: Temperature					NC977	Internal Temperature Sensor	2				
			Internal Temperature Sensor: GND						1					
			G											

RICOH MP9003SP/7503/6503 Pin Assignment Lists

Harness No.	Harness P/N	CN (From)			Signal Info.			Relay	Harness P/N	CN (To)										
		No.	Device	Pin No.	Signal Name	DIR	L			H	No.	Device	Pin No.							
1	D2235417	CN257	JOB	1	Registration Motor:ENC A	I	-	-	CN654	Registration Motor	8									
				2	Registration Motor:ENC B	I	-	-			7									
				3	Registration Motor:+5V	P	-	-			6									
				4	Registration Motor: CW/CCW	O	OFF	ON			5									
				5	Registration Motor: PWM	O	OFF	ON			4									
				6	Registration Motor: BRAKE	O	Release	Brake			3									
				7	Registration Motor: GND	G	-	-			2									
				8	Registration Motor: +24VS	P	-	-			1									
				9	Relay Motor: ENC A	I	-	-			CN655	Relay Motor	8							
				10	Relay Motor: ENC B	I	-	-					7							
				11	Relay Motor: +5V	P	-	-					6							
				12	Relay Motor: CW/CCW	O	OFF	ON					5							
				13	Relay Motor: PWM	O	OFF	ON					4							
				14	Relay Motor: BRAKE	O	Release	Brake					3							
				15	Relay Motor: GND	G	-	-					2							
				16	Relay Motor: +24VS	P	-	-					1							
				CN264	-	-	-	1					Controller Fan: Lock	P	-	-	CN933	Controller Fan	3	
								2					Controller Fan: Drive	O	Lock	Rotate			2	
								3			Controller Fan: GND	G	-	-	1					
								4			GND	G	-	-	CN116	BICU			8	
								5			NC	N	-	-					7	
								6			NC	N	-	-					6	
7	Power Set Signal	I	-					-	5											
8	JOB Start Signal	O	-					-	4											
9	Interrupt: VODKA3	O	-					-	3											
10	Interrupt: VODKA2	O	-					-	2											
11	Interrupt: VODKA1	O	-					-	1											
12	NC	N	-	-	CN805	Key Card	9													
13	Key Card: +5V	P	-	-			13													
14	Key Card: Copyable	I	Copyable	Uncopyable			12													
15	Key Card: b0 (Size)	O	(Combination)	(Combination)			11													
16	Key Card: b1 (Size)	O	(Combination)	(Combination)			10													
17	Key Card: b2 (Size)	O	(Combination)	(Combination)			9													
18	Key Card: b3 (Size)	O	(Combination)	(Combination)			8													
19	Key Card: b4 (Mode)	O	(Combination)	(Combination)			7													
20	Key Card: b5 (Mode)	O	(Combination)	(Combination)			6													
21	Key Card: b6 (Duplex)	O	(Combination)	(Combination)			5													
22	Key Card: b7 (Motor)	O	(Combination)	(Combination)	4															
23	Key Card: GND	G	-	-	3															
24	Key Card: Count	O	OFF	ON	2															
25	Key Card: +24V	P	-	-	1															
CN276	-	-	-	1	CAPCNT Start	I	Start	Sleep	D2235466	CN949	CAPCNT	11								
				2	GND	G	-	-				10								
				3	GND	G	-	-				9								
				4	Output Switch	O	-	-				8								
				5	Door Open Detection	O	-	-				7								
				6	Fusing Dual Monitoring	O	-	-				6								
				7	Discharge and Charge forced Stop	I	-	-				5								
				8	Serial RXD	O	-	-				4								
				9	Serial TXD	O	-	-				3								
				10	Unit Set Detection	I	-	-				2								
CN277	-	-	-	1	SetDetection(for MP 6503 SP)	I	-	-	D2232764	CN743	Registration Sensor	19								
				2	Registration Sensor: GND	G	-	-				18								
				3	Registration Sensor: Input	I	Paper Detected	Paper Not Detected				17								
				4	Registration Sensor: +5V	P	-	-				16								
				5	Bypass Paper End Sensor: GND	G	-	-				Bypass Paper End Sensor	15							
				6	Bypass Paper End Sensor: Input	I	Paper Detected	Paper Not Detected					14							
				7	Bypass Paper End Sensor: +5V	P	-	-					13							
				8	Relay Sensor: GND	G	-	-					12							
				9	Relay Sensor: Input	I	Paper Detected	Paper Not Detected				Relay Sensor	11							
				10	Relay Sensor: +5V	P	-	-					10							
				11	Bypass Feed Clutch: +24V	P	-	-					9							
				12	Bypass Feed Clutch: Drive	O	OFF	ON					8							
				13	Bypass Pick-up Solenoid: +24V	P	-	-				Bypass Pick-up Solenoid	7							
				14	Bypass Pick-up Solenoid: Drive	O	OFF	ON					6							
				15	Jam LED (B1): Drive	O	Light Off	Light Off				Jam LED (B1)	5							
				16	Jam LED (B1): +5V	P	-	-					4							
				17	Jam LED (B2): Drive	O	Light Off	Light Off				Jam LED (B2)	3							
				18	Jam LED (B2): +5V	P	-	-					2							
				19	Jam LED (C2): Drive	O	Light Off	Light Off				Jam LED (C2)	1							
				20	Jam LED (C2): +5V	P	-	-					19							
				21	Guide Plate Sensor: +24V	P	-	-				Guide Plate Sensor	18							
				22	Guide Plate Sensor: Drive	O	OFF	ON					17							
23	Duplex Fan: +24V	P	-	-	D2231187	CN663	Duplex Fan	3												
24	Duplex Fan: Lock	I	Lock	Rotate				2												
25	Duplex Fan: Drive	O	OFF	ON	D2232762	CN745	Guide Plate Open Sensor	3												
26	Guide Plate Open Sensor: GND	G	-	-				2												
27	Guide Plate Open Sensor: Input	I	Closed	Open	D2234499	CN720	Option: Exit full sensor	2												
28	Guide Plate Open Sensor: +5V	P	-	-				1												
29	Exit full sensor: GND	G	-	-				D2234499	CN742	Bypass Paper Size Detection Board	3									
30	Exit full sensor: +5V	P	-	-							2									
31	Bypass Paper Size Detection Board: GND	G	-	-				D2234499	CN742	Bypass Paper Size Detection Board	1									
32	Bypass Paper Size Detection Board: Input	I	-	-							1									
33	Bypass Paper Size Detection Board: +3.3V	P	-	-				-	-	-	1									
34	Bypass paper length sensor: GND	G	-	-							CN744	Bypass paper length sensor (EXP only)	4							
35	Bypass paper length sensor: Input	I	Paper Not Detected	Paper Detected				3												
36	Bypass paper length sensor: +5V	P	-	-				2												
37	NC	N	-	-	1															
38	NC	N	-	-	D2232762	CN680	Toner Motor Lock Sensor	3												
1	Toner Motor Lock Sensor: GND	G	-	-				2												
2	Toner Motor Lock Sensor: Input	I	Not Detect	Detected				1												
3	Toner Motor Lock Sensor: +5V	P	-	-				1												
4	NC	N	-	-				1												
5	NC	N	-	-				1												
6	NC	N	-	-				1												
7	Development PPRReverse Bias Relay	O	OFF	ON				CN602	Development PP	5										
8	Development PP: Error Detection	I	Normal	Error						4										
9	Development PP: PWM Output	O	-	-				3												
10	Development PP: +24VS	P	-	-	2															
11	Development PP: GND	G	-	-	D2233812	CN694	Transfer/Separation Solenoid	11												
12	Transfer/Separation Solenoid (Attraction coil): Drive	O	OFF	ON				10												
13	Transfer/Separation Solenoid: +24VS	P	-	-				9												
14	Transfer/Separation Solenoid (Retaining Coil): Drive	O	OFF	ON				8												
15	Transfer PP: GND	G	-	-				7												
16	Transfer PP: +24VS	P	-	-				6												
17	Transfer PP: Voltage PInput	I	-	-				5												
18	Transfer PP: Current PInput	I	-	-				4												
19	Transfer PP: PWM Output	O	-	-				3												
20	C1 Open Sensor: GND	G	-	-				D2233812	CN694	Transfer/Separation Solenoid	11									
21	C1 Open Sensor: Input	I	Lever Open	Lever Close	10															
22	C1 Open Sensor: +5V	P	-	-	9															
23	C1 Open Sensor: GND	G	-	-	8															

Harness No.	Harness P/N	CN (From)			Signal Info.			Relay	Harness P/N	CN (To)				
		No.	Device	Pin No.	Signal Name	DIR	L			H	No.	Device	Pin No.	
1	D2235417	-	JOB	1	NC	N	-	-	D2232764	CN741	-	14	NC	14
				2	NC	N	-	-				13	NC	13
				3	NC	N	-	-				12	Toner Bottle Motor	12
				4	Toner Bottle Motor: Drive	O	OFF	ON				11	NC	11
				5	Toner Bottle Motor: +24VS	P	-	-				10	NC	10
				6	Toner End Sensor: +5V	P	-	-				9	Toner End Sensor	9
				7	Toner End Sensor: Input	I	Toner Not Detected	Toner Detected				8	NC	8
				8	Toner End Sensor: GND	G	-	-				7	Total Counter	7
				9	Total Counter: +24V	P	-	-				6	Total Counter	6
				10	Total Counter: Trigger	O	Count	Not Count				5	TD Sensor	5
				11	TD Sensor: VCNT Output	O	-	-				4	NC	4
				12	TD Sensor: +24V	P	-	-				3	NC	3
				13	TD Sensor: Input	I	-	-				2	NC	2
				14	TD Sensor: GND	G	-	-				1	NC	1
				15	NC	N	-	-				14	NC	14
				16	NC	N	-	-				13	NC	13
				17	NC	N	-	-				12	NC	12
				18	Fusing Exit Motor: LockDetection	O	OFF	ON				11	NC	11
				19	Fusing Exit Motor: Clock	CW	CCW	10				NC	10	
				20	Fusing Exit Motor: Release	O	OFF	ON				9	NC	9
				21	NC	N	-	-				8	NC	8
				22	NC	N	-	-				7	NC	7
23	NC	N	-	-	6	NC	6							
24	NC	N	-	-	5	NC	5							
-	-	-	-	1	NC	N	-	-	-	-	-	11	NC	11
				2	NC	N	-	-				10	NC	10
				3	NC	N	-	-				9	NC	9
				4	NC	N	-	-				8	NC	8
				5	NC	N	-	-				7	NC	7
				6	NC	N	-	-				6	NC	6
				7	NC	N	-	-				5	NC	5
				8	NC	N	-	-				4	NC	4
				9	NC	N	-	-				3	NC	3
				10	NC	N	-	-				2	NC	2
				11	NC	N	-	-				1	NC	1
				12	NC	N	-	-				14	NC	14
				13	NC	N	-	-				13	NC	13
				14	NC	N	-	-				12	NC	12
				15	NC	N	-	-				11	NC	11
				16	NC	N	-	-				10	NC	10
				17	NC	N	-	-				9	NC	9
				18	NC	N	-	-				8	NC	8
				19	NC	N	-	-				7	NC	7
				20	NC	N	-	-				6	NC	6
				21	NC	N	-	-				5	NC	5
				22	NC	N	-	-				4	NC	4
23	NC	N	-	-	3	NC	3							
24	NC	N	-	-	2	NC	2							
-	-	-	-	1	NC	N	-	-	-	-	-	11	NC	11
				2	NC	N	-	-				10	NC	10
				3	NC	N	-	-				9	NC	9
				4	NC	N	-	-				8	NC	8
				5	NC	N	-	-				7	NC	7
				6	NC	N	-	-				6	NC	6
				7	NC	N	-	-				5	NC	5
				8	NC	N	-	-				4	NC	4
				9	NC	N	-	-				3	NC	3
				10	NC	N	-	-				2	NC	2
				11	NC	N	-	-				1	NC	1
				12	NC	N	-	-				14	NC	14
				13	NC	N	-	-				13	NC	13
				14	NC	N	-	-				12	NC	12
				15	NC	N	-	-				11	NC	11
				16	NC	N	-	-				10	NC	10
				17	NC	N	-	-				9	NC	9
				18	NC	N	-	-				8	NC	8
				19	NC	N	-	-				7	NC	7
				20	NC	N	-	-				6	NC	6
				2										

RICOH MP9003SP/7503/6503 Pin Assignment Lists

Harness No.	Harness P/N	CN (From)		Signal Info.		Relay	CN (To)			
		No.	Device	Pin No.	Signal Name		DIR	L	H	No.
59	D2235505	CN308	RYB	1	ADF_GND	D2235506	CN881	8		
				2	ADF_GND			7		
				3	ADF_GND			6		
				4	ADF_GND			5		
				5	ADF +24V			4		
				6	ADF +24V			3		
				7	ADF +24V			2		
				8	ADF +24V			1		
				9	NC			-		
				10	NC			-		
		CN305				1	Development Motor +24VS	CN850		1
						2	Development Motor_GND			2
						3	Development Motor +5V			3
						4	Development Motor_GND			4
						5	Development Motor_Trigger			5
						6	Toner Supply CL_Drive			6
						7	NC			7
						8	Development Motor_LockDetection			8
						9	Development Motor_Clock			9
						10	Development Motor			10
		CN307				1	Drum Motor +24VS	CN851		1
						2	Drum Motor_GND			2
						3	Drum Motor +5V			3
						4	Drum Motor_GND			4
						5	Drum Motor_Trigger			5
						6	Drum Motor_GW/CCW			6
						7	Drum Motor_LockDetection			7
						8	Drum Motor_Clock			8
						9	NC			9
						10	NC			10
		CN307				9	Fusing Exit Motor +24VS	D2235503	CN852	7
						10	Fusing Exit Motor_GND			6
						11	Fusing Exit Motor +5V			5
						12	Fusing Exit Motor_GND			4
						13	Fusing Exit Motor_Trigger			3
						14	Fusing Exit Motor_LockDetection			2
						15	Fusing Exit Motor_Clock			1
						16	NC			-
						17	NC			-
						18	NC			-
		CN309				1	IOB +5V	CN250		1
						2	IOB +24V			2
						3	IOB +24V			3
						4	IOB_GND			4
						5	IOB +24VS			5
6	IOB_GND					6				
7	IOB_GND					7				
8	IOB_GND					8				
9	IOB_GND					9				
10	IOB +24VS					10				
CN310				1	BICU +5V	CN129		1		
				2	BICU_GND			2		
				3	BICU_GND			3		
				4	BICU +24V			4		
				5	BICU +24VS			5		
				6	BICU_GND			6		
				7	BICU_GND			7		
				8	BICU_GND			8		
				9	BICU_GND			9		
				10	BICU_GND			10		
CN311				1	BICU +24VS	CN128		1		
				2	BICU_GND			2		
				3	BICU +5VX			3		
				4	BICU_GND			4		
				5	BICU_GND			5		
				6	BICU +5VX			6		
				7	NC			7		
				8	NC			8		
				9	NC			9		
				10	NC			10		
CN312				1	GND	CN130		1		
				2	NC			2		
				3	PONENG1 N			3		
				4	+5V			4		
				5	+5VX			5		
				6	+5VX			6		
				7	GND			7		
				8	GND			8		
				9	GND			9		
				10	GND			10		
60	D2235501	CN300		1	+5V	CN911		1		
				2	+5V			2		
				3	+5VX			3		
				4	+5VX			4		
				5	GND			5		
				6	GND			6		
				7	GND			7		
				8	GND			8		
				9	NC			9		
				10	NC			10		
CN303				1	NC	CN912		1		
				2	GND			2		
				3	GND			3		
				4	+24V			4		
				5	+24V			5		
				6	+24V			6		
				7	NC			7		
				8	GND			8		
				9	GND			9		
				10	GND			10		
CN314				1	PONENG1 N	CN915		1		
				2	GND			2		
				3	GND			3		
				4	GND			4		
				5	GND			5		
				6	GND			6		
				7	GND			7		
				8	GND			8		
				9	GND			9		
				10	GND			10		
61	D2235506	CN880	ADFRelay D6355630 CN901	1	ADF PowerON Signal	CN105		1		
				2	GND			2		
				3	5V Power			3		
				4	ADF TXD Signal Reading Gate Signal			4		
				5	ADF UART TX (Main-ADF)			5		
				6	ADF Original SdDetection Signal			6		
				7	ADF UART Receive(ADF-Main)			7		
				8	ADF 5VE Power			8		
				9	ADF 24V Power			9		
				10	ADF 24V Power			10		
CN303				1	NC	CN912		1		
				2	GND			2		
				3	GND			3		
				4	+24V			4		
				5	+24V			5		
				6	+24V			6		
				7	NC			7		
				8	GND			8		
				9	GND			9		
				10	GND			10		
101	D2235503	CN652	RYBRelay D2235505 CN652	1	Fusing Exit Motor +24VS	CN653	Fusing Exit Motor	1		
				2	Fusing Exit Motor_GND			2		
				3	Fusing Exit Motor_5V			3		
				4	Fusing Exit Motor_GND			4		
				5	Fusing Exit Motor_Trigger			5		
				6	NC			6		
				7	NC			7		
				8	Fusing Exit Motor_LockDetection			8		
				9	Fusing Exit Motor_Clock			9		
				10	Fusing Exit Motor			10		

Harness No.	Harness P/N	CN (From)		Signal Info.		Relay	CN (To)							
		No.	Device	Pin No.	Signal Name		DIR	L	H	No.	Device	Pin No.		
42	D2235480	CN258	IOB	A1	Paper Feed Motor 4: ENC A	D2235481	CN780	A16						
				A2	Paper Feed Motor 4: ENC B			A15						
				A3	Paper Feed Motor 4: +5V			A14						
				A4	Paper Feed Motor 4: CW/CCW			A13						
				A5	Paper Feed Motor 4: PWM			A12						
				A6	Paper Feed Motor 4: BRAKE			A11						
				A7	Paper Feed Motor 4: GND			A10						
				A8	Paper Feed Motor 4: +24VS			A9						
				A9	Paper Feed Motor 3: ENC A			A8						
				A10	Paper Feed Motor 3: ENC B			A7						
				A11	Paper Feed Motor 3: +5V			A6						
				A12	Paper Feed Motor 3: CW/CCW			A5						
				A13	Paper Feed Motor 3: PWM			A4						
				A14	Paper Feed Motor 3: BRAKE			A3						
				A15	Paper Feed Motor 3: GND			A2						
				A16	Paper Feed Motor 3: +24VS			A1						
				B1	Paper Feed Motor 2: ENC A			B16						
				B2	Paper Feed Motor 2: ENC B			B15						
				B3	Paper Feed Motor 2: +5V			B14						
				B4	Paper Feed Motor 2: CW/CCW			B13						
				B5	Paper Feed Motor 2: PWM			B12						
				B6	Paper Feed Motor 2: BRAKE			B11						
				B7	Paper Feed Motor 2: GND			B10						
				B8	Paper Feed Motor 2: +24VS			B9						
				B9	Paper Feed Motor 2: ENC A			B8						
				B10	Paper Feed Motor 2: ENC B			B7						
				B11	Paper Feed Motor 2: +5V			B6						
				B12	Paper Feed Motor 2: CW/CCW			B5						
				B13	Paper Feed Motor 2: PWM			B4						
				B14	Paper Feed Motor 2: BRAKE			B3						
				B15	Paper Feed Motor 2: GND			B2						
				B16	Paper Feed Motor 2: +24VS			B1						
				CN260						1	Tandem Set Detection: Right	D2236652	CN811	1
										2	Side Fence Motor: B			2
										3	Side Fence Motor: -B			3
										4	Side Fence Motor: -A			4
										5	Side Fence Motor: A			5
										6	Side Fence Motor: +24V			6
										7	Side Fence Open/Close Sensor: GND			7
										8	Side Fence Open/Close Sensor			8
										9	Side Fence Open/Close Sensor: +5V			9
										10	Tandem Tray Down Sensor: GND			10
				T104						1	Tandem Tray Down Sensor			11
										2	Tandem Tray Down Sensor +5V			12
										3	Side Fence HP Sensor: GND			13
4	Side Fence HP Sensor	14												
5	Side Fence HP Sensor: +5V	15												
6	GND	16												
7	Tray 3 Near End Sensor	17												
8	Tray 3 Near End Sensor: GND	18												
9	Tray 1 Paper Height Sensor 3	19												
10	Bottom Plate Lift Motor3: Up	20												
CN261				1	Bottom Plate Lift Motor3: Down			1						
				2	Tray 4 Near End Sensor			2						
				3	Tray 4 Near End Sensor: GND			3						
				4	Tray 1 Paper Height Sensor 4			4						
				5	Bottom Plate Lift Motor4: Up			5						
				6	Bottom Plate Lift Motor4: Down			6						
				7	N.C.			7						
				8	N.C.			8						
				9	N.C.			9						
				10	N.C.			10						
CN267				1	Tandem Near End Sensor			5						
				2	Tandem Near End Sensor: GND			4						
				3	Tray 1 Paper Height Sensor 1			3						
				4	Bottom Plate Lift Motor1: Up			2						
				5	Bottom Plate Lift Motor1: Down			1						
				6	Tray 2 Near End Sensor			5						
				7	Tray 2 Near End Sensor: GND			4						
				8	Tray 1 Paper Height Sensor 2			3						
				9	Bottom Plate Lift Motor2: Up			2						
				10	Bottom Plate Lift Motor2: Down			1						
D2234581				1	N.C.	D2234581	CN781	16						
				2	N.C.			15						
				3	N.C.			14						
				4	N.C.			13						
				5	N.C.			12						
				6	N.C.			11						
				7	N.C.			10						
				8	N.C.			9						
				9	N.C.			8						
				10	N.C.			7						
D2236671				1	Paper Feed Sensor3: GND			16						
				2	Paper Feed Sensor3			15						
				3	Paper Feed Sensor3: +5V			14						
				4	Vertical Transport Sensor3: GND			13						
				5	Vertical Transport Sensor3			12						
				6	Vertical Transport Sensor3: 5V			11						
				7	Pick-up Solenoid3: +24V			10						
				8	Pick-up Solenoid3			9						
				9	Paper End Sensor3: GND			8						
				10	Paper End Sensor3			7						
D2236671				1	Paper End Sensor3: +5V			6						
				2	Lift Sensor3: GND			5						
				3	Lift Sensor3			4						
				4	Lift Sensor3: +5V			3						
				5	Reverse Release Solenoid3: +24V			2						
				6	Reverse Release Solenoid3			1						
				7	Paper Feed Sensor4: GND			32						
				8	Paper Feed Sensor4			31						
				9	Paper Feed Sensor4: +5V			30						
				10	Vertical Transport Sensor4: GND			29						
D2236671				1	Vertical Transport Sensor4			28						
				2	Vertical Transport Sensor4: +5V			27						
				3	Pick-up Solenoid4: +24V			26						
				4	Pick-up Solenoid4			25						
				5	Paper End Sensor4: GND			24						
				6	Paper End Sensor4			23						
				7	Paper End Sensor4: +5V			22						
				8	Lift Sensor4: GND			21						
				9	Lift Sensor4			20						
				10	Lift Sensor4: +5V			19						
D2236671				1	Reverse Release Solenoid4: +24V			18						
				2	Reverse Release Solenoid4			17						
				3	N.C.			16						
				4	GND			15						
				5	Tandem Set Detection: Left			14						
				6	Rear Fence Motor: OUT1			13						
				7	Rear Fence Motor: OUT2			12						
				8	Rear Fence HP Sensor: GND			11						
				9	Rear Fence HP Sensor			10						
				10	Rear Fence HP Sensor: +5V			9						
CN262				1	Tandem Set Detection: GND			7						
				2	Pressure Sensor: GND			6						
				3	Pressure Sensor			5						
				4	Pressure Sensor: +5V			4						
				5	Pressure Sensor			3						
				6	N.C.			2						
				7	N.C.			1						
				8	N.C.			-						
				9	N.C.			-						
				10	N.C.			-						
CN262				1	Left Tray Paper End Sensor			13						
				2	Left Tray Paper End Sensor: GND			14						
				3	Left Tray Paper End Sensor: +5V			15						
				4	Tandem Tray Lock Solenoid: +24V			16						
				5	Tandem Tray Lock Solenoid			17						
				6	Tandem Left Tray Lock Solenoid: +24V			18						
				7	Tandem Left Tray Lock Solenoid			19						
				8	Tray Type Detect: GND			20						
				9	Tray Type Detect			21						
				10	N.C.			22						

RICOH MP9003SP/7503/6503 Pin Assignment Lists

Harness No.	Harness P/N	CN (From)				Signal Info.				Relay				CN (To)											
		No.	Device	Pin No.	Signal Name	DIR	L	H	Harness P/N	No.	Device	Pin No.	Signal Name	DIR	L	H									
42	D2235480	CN286	IOB	1	Tray 2 Paper Size Detection Switch: GND	G			D2236619	CN815	Tray 2 Paper Size Detection Switch	6													
				2	Tray 2 Paper Size Detection Switch: 5	I	(Combination)	(Combination)				5													
				3	Tray 2 Paper Size Detection Switch: 4	I	(Combination)	(Combination)				4													
				4	Tray 2 Paper Size Detection Switch: 3	I	(Combination)	(Combination)				3													
				5	Tray 2 Paper Size Detection Switch: 2	I	(Combination)	(Combination)				2													
				6	Tray 2 Paper Size Detection Switch: 1	I	(Combination)	(Combination)				1													
				7	Paper Feed Sensor2: GND	G						D2235481	CN783	Paper Feed Sensor2	8										
				8	Paper Feed Sensor2: +5V	P	Paper Not Detected	Paper Detected							7										
				9	Paper Feed Sensor2: +5V	P									6										
				10	Vertical Transport Sensor2: GND	G									5										
				11	Vertical Transport Sensor2: +5V	I	Paper Not Detected	Paper Detected							4										
				12	Vertical Transport Sensor2: +5V	I									3										
				13	Pick-up Solenoid2: +24V	P									D2235481	CN782	Paper End Sensor2	2							
				14	Pick-up Solenoid2	O	Stop	Drive										1							
				15	Paper End Sensor2: GND	G												24							
				16	Paper End Sensor2: +5V	I	Paper Detected	Paper Not Detected										23							
				17	Paper End Sensor2: +5V	P												22							
				18	Lift Sensor2: GND	G												21							
	19	Lift Sensor2	I	Up	Not Up	20																			
	20	Lift Sensor2: +5V	P			19																			
	21	Reverse Release Solenoid2: +24V	P			18																			
	22	Reverse Release Solenoid2	O	Stop	Drive	17																			
	23	N.C.	N			16																			
	24	N.C.	N			15																			
	25	N.C.	N			14																			
	26	N.C.	N			13																			
	27	N.C.	N			12																			
	28	N.C.	N			11																			
	CN283	-	-	-	1	PFU Fan1: +24VS	P			D2235481	CN782	PFU Fan1	12												
					2	PFU Fan1: Lock	I	Lock	Rotate				11												
					3	PFU Fan1: Drive	O	Stop	Drive				10												
					4	PFU Fan2: +24VS	P						9												
					5	PFU Fan2: Lock	I	Lock	Rotate				8												
					6	PFU Fan2: Drive	O	Stop	Drive				7												
7					PFU Fan3: +24VS	P			6																
8					PFU Fan3: Lock	I	Lock	Rotate	5																
9					PFU Fan3: Drive	O	Stop	Drive	4																
10					PFU Fan4: +24VS	P			3																
11					PFU Fan4: Lock	I	Lock	Rotate	2																
12					PFU Fan4: Drive	O	Stop	Drive	1																
CN289					-	-	-	1	Tray 3 Paper Size Detection Switch: GND				G			D2236619	CN828	Tray 3 Paper Size Detection Switch	6						
								2	Tray 3 Paper Size Detection Switch: 5				I	(Combination)	(Combination)				5						
								3	Tray 3 Paper Size Detection Switch: 4				I	(Combination)	(Combination)				4						
								4	Tray 3 Paper Size Detection Switch: 3				I	(Combination)	(Combination)				3						
	5	Tray 3 Paper Size Detection Switch: 2	I	(Combination)				(Combination)	2																
	6	Tray 3 Paper Size Detection Switch: 1	I	(Combination)				(Combination)	1																
	7	Tray 4 Paper Size Detection Switch: GND	G						D2236619	CN829	Tray 4 Paper Size Detection Switch	6													
	8	Tray 4 Paper Size Detection Switch: 5	I	(Combination)				(Combination)				5													
	9	Tray 4 Paper Size Detection Switch: 4	I	(Combination)				(Combination)				4													
	10	Tray 4 Paper Size Detection Switch: 3	I	(Combination)				(Combination)				3													
	11	Tray 4 Paper Size Detection Switch: 2	I	(Combination)				(Combination)				2													
	12	Tray 4 Paper Size Detection Switch: 1	I	(Combination)				(Combination)				1													
	13	Temperature Sensor: Temperature	I									D2235481	CN785	Temperature Sensor	4										
	14	Temperature Sensor: GND	G												3										
	15	Jam LED(A): Drive	O	Light Off				Light Off							2										
	16	Jam LED(A): +5V	P												1										
17	N.C.	N			0																				
18	Paper Feed Sensor1: GND	G			CN784	Paper Feed Sensor1	16																		
19	Paper Feed Sensor1: +5V	P	Paper Not Detected	Paper Detected			15																		
20	Paper Feed Sensor1: +5V	P					14																		
21	Vertical Transport Sensor1: GND	G					13																		
22	Vertical Transport Sensor1: +5V	I	Paper Not Detected	Paper Detected			12																		
23	Vertical Transport Sensor1: +5V	P					11																		
24	Pick-up Solenoid1: +24V	P					10																		
25	Pick-up Solenoid1	O	Stop	Drive			9																		
26	Paper End Sensor1: GND	G					8																		
27	Paper End Sensor1: +5V	I	Paper Detected	Paper Not Detected			7																		
28	Paper End Sensor1: +5V	P					6																		
29	Lift Sensor1: GND	G					5																		
30	Lift Sensor1	I	Up	Not Up			4																		
31	Lift Sensor1: +5V	P					3																		
32	Reverse Release Solenoid1: +24V	P					2																		
33	Reverse Release Solenoid1	O	Stop	Drive			1																		
34	N.C.	N			0																				

Harness No.	Harness P/N	CN (From)				Signal Info.				Relay				CN (To)												
		No.	Device	Pin No.	Signal Name	DIR	L	H	Harness P/N	No.	Device	Pin No.	Signal Name	DIR	L	H										
43	D2235481	CN781	IOB Relay D2235480 CN781	17	Paper Feed Sensor 4: GND	G			D2236355	CN804	Paper Feed Sensor4	9														
				18	Paper Feed Sensor 4	I						8														
				19	Paper Feed Sensor 4: 5V	P						7														
				20	Vertical Transport Sensor 4: GND	G						6														
				21	Vertical Transport Sensor 4	I						5														
				22	Vertical Transport Sensor 4: 5V	P						4														
				23	Pick-up Solenoid4: 24V	P						3														
				24	Pick-up Solenoid4	O						2														
				25	Paper End Sensor 4: GND	G						D2236319	CN808	Paper End Sensor4	8											
				26	Paper End Sensor 4	I									7											
				27	Paper End Sensor 4: 5V	P									6											
				28	Lift Sensor 4: GND	G									5											
				29	Lift Sensor 4	I									4											
				30	Lift Sensor 4: 5V	P									3											
				31	Reverse Release Solenoid4: 24V	P									2											
				32	Reverse Release Solenoid4	O									1											
				CN782	-	-	IOB Relay D2235480 CN782	1							PFU Fan1: +24VS	P			D2236424	CN790	PFU Fan1	9				
								2							PFU Fan1: Lock	I						8				
	3	PFU Fan1: Drive	O							7																
	4	PFU Fan2: +24VS	P							6																
	5	PFU Fan2: Lock	I							5																
	6	PFU Fan2: Drive	O							4																
	7	PFU Fan3: +24VS	P							3																
	8	PFU Fan3: Lock	I							2																
	9	PFU Fan3: Drive	O							1																
	10	PFU Fan4: +24VS	P							CN794	PFU Fan4				3											
	11	PFU Fan4: Lock	I									2														
	12	PFU Fan4: Drive	O									1														
	13	Paper End Sensor 2: GND	G									D2236319	CN806	Paper End Sensor2	8											
	14	Paper End Sensor 2	I												7											
	15	Paper End Sensor 2: 5V	P												6											
	16	Lift Sensor 2: GND	G												5											
	17	Lift Sensor 2	I			4																				
	18	Lift Sensor 2: 5V	P			3																				
19	Reverse Release Solenoid2: 24V	P			2																					
20	Reverse Release Solenoid2	O			1																					
21	N.C.	N			D2236355	CN802	Paper Feed Sensor2	8																		
22	N.C.	N						7																		
23	N.C.	N						6																		
24	N.C.	N						5																		
25	N.C.	N						4																		
26	N.C.	N						3																		
27	N.C.	N						2																		
28	N.C.	N						1																		
CN783	-	-	IOB Relay D2235480 CN783	1				Paper Feed Sensor 2: GND	G			D2236355	CN802	Paper Feed Sensor2	8											
				2				Paper Feed Sensor 2	I						7											
				3				Paper Feed Sensor 2: 5V	P						6											
				4				Vertical Transport Sensor 2: GND	G						5											
				5				Vertical Transport Sensor 2	I						4											
				6				Vertical Transport Sensor 2: 5V	P						3											
				7				Pick-up Solenoid2: 24V	P						2											
				8				Pick-up Solenoid2	O						1											
				CN784	-	-	IOB Relay D2235480 CN784	1	Paper Feed Sensor 1: GND	G						D2236355	CN801	Paper Feed Sensor1	9							
								2	Paper Feed Sensor 1	I									8							
								3	Paper Feed Sensor 1: 5V	P									7							
								4	Vertical Transport Sensor 1: GND	G									6							
								5	Vertical Transport Sensor 1	I									5							
								6	Vertical Transport Sensor 1: 5V	P									4							
								7	Pick-up Solenoid1: 24V	P									3							
								8	Pick-up Solenoid1	O									2							
9	Paper End Sensor 1: GND	G							D2236319	CN805	Paper End Sensor1	8														
10	Paper End Sensor 1	I										7														
11	Paper End Sensor 1: 5V	P										6														
12	Lift Sensor 1: GND	G										5														
13	Lift Sensor 1	I										4														
14	Lift Sensor 1: 5V	P										3														
15	Reverse Release Solenoid1: 24V	P										2														
16	Reverse Release Solenoid1	O										1														
CN785	-	-	IOB Relay D2235480 CN785	1	Temperature Sensor: Temperature	I						D2235476	CN700	Jam LED(A)	2											
				2	Temperature Sensor: GND	G									1											
				3	Jam LED(A): Drive	O									0											
				4	Jam LED(A): +5V	P									0											
				5	Vertical Transport Sensor 1	I									CN791	PFU Fan1	3									
				6	Vertical Transport Sensor 1: 5V	P											2									
				7	Pick-up Solenoid1: 24V	P											1									
				8	Pick-up Solenoid1	O											0									
				9	Paper End Sensor 1: GND	G			D2236319	CN805	Paper End Sensor1						8									
				10	Paper End Sensor 1	I											7									
				11	Paper End Sensor 1: 5V	P											6									
				12	Lift Sensor 1: GND	G											5									
				13	Lift Sensor 1	I											4									
				14	Lift Sensor 1: 5V	P											3									
				15	Reverse Release Solenoid1: 24V	P											2									
				16	Reverse Release Solenoid1	O											1									
47	D2236424	CN790	IOB Relay D2235481 CN790	1	Temperature Sensor: Temperature	I						D2236355	CN698	Temperature Sensor			2									
				2	Temperature Sensor: GND	G											1									
				3	Jam LED(A): Drive	O											D2235476	CN700	Jam LED(A)	2						
				4	Jam LED(A): +5V	P														1						
				5	Vertical Transport Sensor 1	I									CN791	PFU Fan1				3						

RICOH MP9003SP/7503/6503 Pin Assignment Lists

Harness No.	Harness P/N	CN (From)				Signal Info.				Relay Harness P/N	CN (To)			
		No.	Device	Pin No.	Signal Name	DIR	L	H	No.		Device	Pin No.	Signal Name	
54	D2236619	CN815	IOB Relay D2235480 CN829	1	Tray 1 Paper Size Detection Switch CGND					CN882	Tray 4 Paper Size Detection Switch	6		
				2	Tray 1 Paper Size Detection Switch 5							5		
				3	Tray 1 Paper Size Detection Switch 4							4		
				4	Tray 1 Paper Size Detection Switch 3							3		
				5	Tray 1 Paper Size Detection Switch 2							2		
				6	Tray 1 Paper Size Detection Switch 1							1		
57	D2236355	CN801	IOB Relay D2235481 CN801	1	—							—		
				2	Paper Feed Sensor:CGND					CN845	Paper Feed Sensor1 (Tray1 Paper Feed Unit)	3		
				3	Paper Feed Sensor:VCC							2		
				4	Paper Feed Sensor:VCC							1		
				5	Vertical Transport Sensor:CGND					CN844	Vertical Transport Sensor1 (Tray1 Paper Feed Unit)	3		
				6	Vertical Transport Sensor							2		
				7	Vertical Transport Sensor:VCC							1		
				8	Pick-up Solenoid:VAA					CN846	Pick-up Solenoid1 (Tray1 Paper Feed Unit)	2		
				9	Pick-up Solenoid							1		
57	D2236355	CN801	IOB Relay D2235481 CN802	1	—							—		
				2	Paper Feed Sensor:CGND					CN845	Paper Feed Sensor2 (Tray2 Paper Feed Unit)	3		
				3	Paper Feed Sensor:VCC							2		
				4	Paper Feed Sensor:VCC							1		
				5	Vertical Transport Sensor:CGND					CN844	Vertical Transport Sensor2 (Tray2 Paper Feed Unit)	3		
				6	Vertical Transport Sensor							2		
				7	Vertical Transport Sensor:VCC							1		
				8	Pick-up Solenoid:VAA					CN846	Pick-up Solenoid2 (Tray2 Paper Feed Unit)	2		
				9	Pick-up Solenoid							1		
57	D2236355	CN801	IOB Relay D2235481 CN803	1	—							—		
				2	Paper Feed Sensor:CGND					CN845	Paper Feed Sensor3 (Tray3 Paper Feed Unit)	3		
				3	Paper Feed Sensor:VCC							2		
				4	Paper Feed Sensor:VCC							1		
				5	Vertical Transport Sensor:CGND					CN844	Vertical Transport Sensor3 (Tray3 Paper Feed Unit)	3		
				6	Vertical Transport Sensor							2		
				7	Vertical Transport Sensor:VCC							1		
				8	Pick-up Solenoid:VAA					CN846	Pick-up Solenoid3 (Tray3 Paper Feed Unit)	2		
				9	Pick-up Solenoid							1		
57	D2236355	CN801	IOB Relay D2235481 CN804	1	—							—		
				2	Paper Feed Sensor:CGND					CN845	Paper Feed Sensor4 (Tray4 Paper Feed Unit)	3		
				3	Paper Feed Sensor:VCC							2		
				4	Paper Feed Sensor:VCC							1		
				5	Vertical Transport Sensor:CGND					CN844	Vertical Transport Sensor4 (Tray4 Paper Feed Unit)	3		
				6	Vertical Transport Sensor							2		
				7	Vertical Transport Sensor:VCC							1		
				8	Pick-up Solenoid:VAA					CN846	Pick-up Solenoid4 (Tray4 Paper Feed Unit)	2		
				9	Pick-up Solenoid							1		
55	D2236319	CN809	IOB Relay D2235481 CN805	1	Paper End Sensor:CGND					CN840	Paper End Sensor1 (Tray1 Paper Feed Unit)	3		
				2	Paper End Sensor:VCC							2		
				3	Paper End Sensor:VCC							1		
				4	Lift Sensor:CGND					CN841	Lift Sensor1 (Tray1 Paper Feed Unit)	3		
				5	Lift Sensor:VCC							2		
				6	Lift Sensor:VCC							1		
				7	Reverse Release Solenoid:VAA					CN842	Reverse Release Solenoid1 (Tray1 Paper Feed Unit)	2		
				8	Reverse Release Solenoid							1		
55	D2236319	CN809	IOB Relay D2235481 CN806	1	Paper End Sensor:CGND					CN840	Paper End Sensor2 (Tray2 Paper Feed Unit)	3		
				2	Paper End Sensor:VCC							2		
				3	Paper End Sensor:VCC							1		
				4	Lift Sensor:CGND					CN841	Lift Sensor2 (Tray2 Paper Feed Unit)	3		
				5	Lift Sensor:VCC							2		
				6	Lift Sensor:VCC							1		
				7	Reverse Release Solenoid:VAA					CN842	Reverse Release Solenoid2 (Tray2 Paper Feed Unit)	2		
				8	Reverse Release Solenoid							1		
55	D2236319	CN809	IOB Relay D2235481 CN807	1	Paper End Sensor:CGND					CN840	Paper End Sensor3 (Tray3 Paper Feed Unit)	3		
				2	Paper End Sensor:VCC							2		
				3	Paper End Sensor:VCC							1		
				4	Lift Sensor:CGND					CN841	Lift Sensor3 (Tray3 Paper Feed Unit)	3		
				5	Lift Sensor:VCC							2		
				6	Lift Sensor:VCC							1		
				7	Reverse Release Solenoid:VAA					CN842	Reverse Release Solenoid3 (Tray3 Paper Feed Unit)	2		
				8	Reverse Release Solenoid							1		
55	D2236319	CN809	IOB Relay D2235481 CN808	1	Paper End Sensor:CGND					CN840	Paper End Sensor4 (Tray4 Paper Feed Unit)	3		
				2	Paper End Sensor:VCC							2		
				3	Paper End Sensor:VCC							1		
				4	Lift Sensor:CGND					CN841	Lift Sensor4 (Tray4 Paper Feed Unit)	3		
				5	Lift Sensor:VCC							2		
				6	Lift Sensor:VCC							1		
				7	Reverse Release Solenoid:VAA					CN842	Reverse Release Solenoid4 (Tray4 Paper Feed Unit)	2		
				8	Reverse Release Solenoid							1		
58	D2235476	CN700	IOB Relay D2235481	1	Jam LED (A) : Drive					CN899	Jam LED (A)	2		
				2	Jam LED (A) : +5V							1		
56	D2236322	CN860	IOB Relay D2235481 CN850	1	Paper Feed Motor:ENC A					CN850	Paper Feed Motor	7		
				2	ENC B							6		
				3	—							5		
				4	—:CW/CCW							4		
				5	—:PWM							3		
				6	—:BRAKE							2		
				7	—:GND							1		
				8	—:24VS							—		
56	D2236322	CN860	IOB Relay D2235481 CN851	1	Paper Feed Motor:ENC A					CN850	Paper Feed Motor 2	8		
				2	ENC B							7		
				3	—:Vcc							6		
				4	—:CW/CCW							5		
				5	—:PWM							4		
				6	—:BRAKE							3		
				7	—:GND							2		
				8	—:24VS							1		
56	D2236322	CN860	IOB Relay D2235481 CN852	1	Paper Feed Motor:ENC A					CN850	Paper Feed Motor 3	8		
				2	ENC B							7		
				3	—:Vcc							6		
				4	—:CW/CCW							5		
				5	—:PWM							4		
				6	—:BRAKE							3		
				7	—:GND							2		
				8	—:24VS							1		
56	D2236322	CN860	IOB Relay D2235481 CN853	1	Paper Feed Motor:ENC A					CN850	Paper Feed Motor 4	8		
				2	ENC B							7		
				3	—:Vcc							6		
				4	—:CW/CCW							5		
				5	—:PWM							4		
				6	—:BRAKE							3		
				7	—:GND							2		
				8	—:24VS							1		
46	D2235602	CN945	ACDRVRelay D2235600 D2255600 CN945 CN946	1	Paper Bank Heater-Upper L					CN890	Paper Bank Heater-Upper	1		
				2	Paper Bank Heater-Upper N							2		
				1	Paper Bank Heater-Lower L					CN891	Paper Bank Heater-Lower	1		
				2	Paper Bank Heater-Lower N							2		

Harness No.	Harness P/N	CN (From)				Signal Info.				Relay Harness P/N	CN (To)			
		No.	Device	Pin No.	Signal Name	DIR	L	H	No.		Device	Pin No.	Signal Name	
44	D2235700	CN258	IOB	A1	Paper Feed Motor 4: ENC A	I	-	-		D2235701	CN780	Paper Feed Motor 4	A16	
				A2	Paper Feed Motor 4: ENC B	I	-	-					A15	
				A3	Paper Feed Motor 4: +5V	O	-	-					A14	
				A4	Paper Feed Motor 4: CW/CCW	O	CW	CCW					A13	
				A5	Paper Feed Motor 4: PWM	O	OFF	ON					A12	
				A6	Paper Feed Motor 4: BRAKE	O	Release	Brake					A11	
				A7	Paper Feed Motor 4: GND	G	-	-					A10	
				A8	Paper Feed Motor 4: +24VS	P	-	-					A9	
				A9	Paper Feed Motor 3: ENC A	I	-	-					A8	
				A10	Paper Feed Motor 3: ENC B	I	-	-					A7	
				A11	Paper Feed Motor 3: +5V	P	-	-					A6	
				A12</										

RICOH MP9003SP/7503/6503 Pin Assignment Lists

Harness No.	Harness P/N	CN (From)	No.	Device	Signal Info.			Relay Harness P/N	CN (To)	No.	Device	Pin No.				
					Pin No.	Signal Name	DIR						L	H		
44	D2235700	CN263	IOB	1	PFU Fan1 :+24VS	P			D2235701	CN782	PFU Fan1	12				
				2	PFU Fan1 :Lock	I	Lock	Rotate								
				3	PFU Fan1 :Drive	O	Stop	Drive								
				4	NC	P										
				5	NC	I	Lock	Rotate								
				6	NC	O	Stop	Drive								
				7	PFU Fan3 :+24VS	P										
				8	PFU Fan3 :Lock	I	Lock	Rotate								
				9	PFU Fan3 :Drive	O	Stop	Drive								
				10	PFU Fan4 :+24VS	P										
				11	PFU Fan4 :Lock	I	Lock	Rotate								
				12	PFU Fan4 :Drive	O	Stop	Drive								
				CN267	D2235700	CN267	IOB	1	Paper Feed Sensor3 :GND	G			D2235701	CN781	Paper Feed Sensor3	16
								2	Paper Feed Sensor3	I	Paper Not Detected	Paper Detected				
								3	Paper Feed Sensor3 :+5V	P						
								4	Vertical Transport Sensor3 :GND	G						
								5	Vertical Transport Sensor3	I	Paper Not Detected	Paper Detected				
								6	Vertical Transport Sensor3 :5V	P						
								7	Pick-up Solenoid3 :+24V	P						
								8	Pick-up Solenoid3	O	Stop	Drive				
								9	Paper End Sensor3 :GND	G						
								10	Paper End Sensor3	I	Paper Detected	Paper Not Detected				
								11	Paper End Sensor3 :+5V	P						
								12	Lift Sensor3 :GND	G						
								13	Lift Sensor3	I	Up	Not Up				
								14	Lift Sensor3 :+5V	P						
								15	Reverse Release Solenoid3 :+24V	P						
								16	Reverse Release Solenoid3	O	Stop	Drive				
								17	Paper Feed Sensor4 :GND	G						
								18	Paper Feed Sensor4	I	Paper Not Detected	Paper Detected				
								19	Paper Feed Sensor4 :+5V	P						
								20	Vertical Transport Sensor4 :GND	G						
								21	Vertical Transport Sensor4	I	Paper Not Detected	Paper Detected				
								22	Vertical Transport Sensor4 :+5V	P						
23	Pick-up Solenoid4 :+24V	P														
24	Pick-up Solenoid4	O	Stop					Drive								
25	Paper End Sensor4 :GND	G														
26	Paper End Sensor4	I	Paper Detected					Paper Not Detected								
27	Paper End Sensor4 :+5V	P														
28	Lift Sensor4 :GND	G														
29	Lift Sensor4	I	Up					Not Up								
30	Lift Sensor4 :+5V	P														
31	Reverse Release Solenoid4 :+24V	P														
32	Reverse Release Solenoid4	O	Stop					Drive								
CN269	D2235700	CN269	IOB					1	Tray 3 Paper Size Detection Switch :GND	G			D2236619	CN828	Tray 3 Paper Size Detection Switch	6
								2	Tray 3 Paper Size Detection Switch :5	I	(Combination)	(Combination)				
				3	Tray 3 Paper Size Detection Switch :4	I	(Combination)	(Combination)								
				4	Tray 3 Paper Size Detection Switch :3	I	(Combination)	(Combination)								
				5	Tray 3 Paper Size Detection Switch :2	I	(Combination)	(Combination)								
				6	Tray 3 Paper Size Detection Switch :1	I	(Combination)	(Combination)								
				7	Tray 4 Paper Size Detection Switch :GND	G			D2236619	CN829	Tray 4 Paper Size Detection Switch	6				
				8	Tray 4 Paper Size Detection Switch :5	I	(Combination)	(Combination)								
				9	Tray 4 Paper Size Detection Switch :4	I	(Combination)	(Combination)								
				10	Tray 4 Paper Size Detection Switch :3	I	(Combination)	(Combination)								
				11	Tray 4 Paper Size Detection Switch :2	I	(Combination)	(Combination)								
				12	Tray 4 Paper Size Detection Switch :1	I	(Combination)	(Combination)								
				13	Temperature Sensor :Temperature	I			D2235701	CN785	Temperature Sensor	4				
				14	Temperature Sensor :GND	G										
				15	Jam LED (A) :Drive	O	Light Off	Light On								
				16	Jam LED (A) :+5V	P										
				17	NC	P										
				18	Paper Feed Sensor1 :GND	G			D2235701	CN784	Paper Feed Sensor1	16				
				19	Paper Feed Sensor1	I	Paper Not Detected	Paper Detected								
				20	Paper Feed Sensor1 :+5V	P										
				21	Vertical Transport Sensor1 :GND	G										
				22	Vertical Transport Sensor1	I	Paper Not Detected	Paper Detected								
				23	Vertical Transport Sensor1 :+5V	P										
				24	Pick-up Solenoid1 :+24V	P										
				25	Pick-up Solenoid1	O	Stop	Drive								
				26	Paper End Sensor1 :GND	G										
				27	Paper End Sensor1	I	Paper Detected	Paper Not Detected								
				28	Paper End Sensor1 :+5V	P										
				29	Lift Sensor1 :GND	G										
				30	Lift Sensor1	I	Up	Not Up								
				31	Lift Sensor1 :+5V	P										
				32	Reverse Release Solenoid1 :+24V	P										
				33	Reverse Release Solenoid1	O	Stop	Drive								
				34	NC	N										

Harness No.	Harness P/N	CN (From)	No.	Device	Signal Info.			Relay Harness P/N	No.	Device	Pin No.									
					Pin No.	Signal Name	DIR					L	H							
45	D2235701	CN785	IOB Relay D2235700 CN785	1	Temperature Sensor :Temperature	I			CN698	Temperature Sensor	2									
				2	Temperature Sensor :CGND	G														
				3	Jam LED (A) :Drive	O			D2235476	CN700	Jam LED (A)	2								
				4	Jam LED (A) :+5V	P														
				CN782	D2235700	CN782	IOB Relay D2235700 CN782	1	PFU Fan1 :+24VS	P			D2236425	CN780	PFU Fan1	9				
								2	PFU Fan1 :Lock	I	Lock	Rotate								
								3	PFU Fan1 :Drive	O	Stop	Drive								
								4	NC	P										
								5	NC	I	Lock	Rotate								
								6	NC	O	Stop	Drive								
								7	PFU Fan3 :+24VS	P										
								8	PFU Fan3 :Lock	I	Lock	Rotate								
								9	PFU Fan3 :Drive	O	Stop	Drive								
								10	PFU Fan4 :+24VS	P										
								11	PFU Fan4 :Lock	I	Lock	Rotate								
								12	PFU Fan4 :Drive	O	Stop	Drive								
								CN780	D2235700	CN780	IOB Relay D2235700 CN780	1	Paper Feed Motor 4 :ENC A	I			D2236322	CN853	Paper Feed Motor 4	7
												2	Paper Feed Motor 4 :ENC B	I						
												3	Paper Feed Motor 4 :+5V	P						
												4	Paper Feed Motor 4 :CW/CCW	P						
												5	Paper Feed Motor 4 :PWM	P						
												6	Paper Feed Motor 4 :BRAKE	P						
												7	Paper Feed Motor 4 :GND	G						
												8	Paper Feed Motor 4 :+24VS	P						
												9	Paper Feed Motor 3 :ENC A	I			D2236322	CN852	Paper Feed Motor 3	8
												10	Paper Feed Motor 3 :ENC B	I						
												11	Paper Feed Motor 3 :+5V	P						
												12	Paper Feed Motor 3 :CW/CCW	P						
												13	Paper Feed Motor 3 :PWM	P						
												14	Paper Feed Motor 3 :BRAKE	P						
												15	Paper Feed Motor 3 :GND	G						
												16	Paper Feed Motor 3 :+24VS	P						
												17	Paper Feed Motor 2 :ENC A	I			D2236491	CN851	Paper Feed Motor 2	8
												18	Paper Feed Motor 2 :ENC B	I						
19	Paper Feed Motor 2 :+5V	P																		
20	Paper Feed Motor 2 :CW/CCW	P																		
21	Paper Feed Motor 2 :PWM	P																		
22	Paper Feed Motor 2 :BRAKE	P																		
23	Paper Feed Motor 2 :GND	G																		
24	Paper Feed Motor 2 :+24VS	P																		
25	Paper Feed Motor 2 :ENC A	I			D2236322	CN850	Paper Feed Motor					8								
26	Paper Feed Motor 2 :ENC B	I																		
27	Paper Feed Motor 2 :+5V	P																		
28	Paper Feed Motor 2 :CW/CCW	P																		
29	Paper Feed Motor 2 :PWM	P																		
30	Paper Feed Motor 2 :BRAKE	P																		
31	Paper Feed Motor 2 :GND	G																		
32	Paper Feed Motor 2 :+24VS	P																		
33	Paper Feed Motor 2 :ENC A	I																		
34	Paper Feed Motor 2 :ENC B	I																		
35	Paper Feed Motor :+5V	P																		
36	Paper Feed Motor :CW/CCW	P																		
37	Paper Feed Motor :PWM	P																		
38	Paper Feed Motor :BRAKE	P																		
39	Paper Feed Motor :GND	G																		
40	Paper Feed Motor :+24VS	P																		
48	D2236425	CN790	IOB Relay D2235701 CN790	1	PFU Fan1 :+24VS	P			CN791	PFU Fan1	3									
				2	PFU Fan1 :Lock	I	Lock	Rotate												
				3	PFU Fan1 :Drive	O	Stop	Drive												
				4	NC	P														
				5	NC	I	Lock	Rotate												
				6	NC	O	Stop	Drive												
				7	PFU Fan3 :+24VS	P			CN793	PFU Fan3	2									
				8	PFU Fan3 :Lock	I	Lock	Rotate												
				9	PFU Fan3 :Drive	O	Stop	Drive												
				49	D2236716	CN813	IOB Relay D2235700 CN813	1	Right Tray Set Detection	I			CN813	Right Tray Set Detection	22					
								2	Front Side Fence Open Sensor :CGND	G			CN854	Front Side Fence Open Sensor	3					
								3	Front Side Fence Open Sensor	I										
								4	Front Side Fence Open Sensor :VCC	P										
								5	Front Side Fence Closed Sensor :CGND	G			CN855	Front Side Fence Closed Sensor	3					
								6	Front Side Fence Closed Sensor	I										
								7	Front Side Fence Closed Sensor :VCC	P										
								8	Rear Side Fence Open Sensor :CGND	G			CN856	Rear Side Fence Open Sensor	3					
								9	Rear Side Fence Open Sensor	I										
								10	Rear Side Fence Open Sensor :VCC	P										
								11	Rear Side Fence Closed Sensor :CGND	G			CN857	Rear Side Fence Closed Sensor	3					
								12	Rear Side Fence Closed Sensor	I										
								13	Rear Side Fence Closed Sensor :VCC	P										
								14	Tray 1 Paper Height Sensor1 :CGND	G			CN858	Tray 1 Paper Height Sensor1	3					
								15	Tray 1 Paper Height Sensor1	I										
								16	Tray 1 Paper Height Sensor1 :VCC	P										
								17	Tray 1 Paper Height Sensor2 :CGND	G			CN859	Tray 1 Paper Height Sensor2	3					
								18	Tray 1 Paper Height Sensor2	I										
								19	Tray 1 Paper Height Sensor2 :VCC	P										
								20	Tandem Tray Down Sensor :CGND	G			CN861	Tandem Tray Down Sensor	3					
								21	Tandem Tray Down Sensor	I										
								22	Tandem Tray Down Sensor :VCC	P										
								23	Tandem Tray Down Sensor :VCC	P										
								24	Tandem Near End Sensor :CGND	G			CN862	Tandem Near End Sensor	3					
								25	Tandem Near End Sensor	I										
26	Tandem Near End Sensor :VCC	P																		
27	Tandem Near End Sensor :VCC	P																		
28	Right Tray Paper Sensor :CGND	G							CN863	Right Tray Paper Sensor	3									
29	Right Tray Paper Sensor	I																		
30	Right Tray Paper Sensor :VCC	P																		
31	Front Side Fence Solenoid :VAA	P							CN864	Front Side Fence Solenoid	2									
32	Front Side Fence Solenoid	I																		
33	Rear Side Fence Solenoid :VAA	P																		

RICOH MP9003SP/7503/6503 Pin Assignment Lists

Harness No.	Harness P/N	CN (From)			Signal Info.			Relay			CN (To)			
		No.	Device	Pin No.	Signal Name	DIR	L	H	Harness P/N	No.	Device	Pin No.		
57	D2236355	CN801	IOB Relay D2235701 CN801	1	—									
				2	Paper Feed Sensor:CGND					CN845	Paper Feed Sensor1 (Tray1 Paper Feed Unit)	3		
				3	Paper Feed Sensor:VCC									
				4	Paper Feed Sensor:VCC									
				5	Vertical Transport Sensor:CGND					CN844	Vertical Transport Sensor3 (Tray1 Paper Feed Unit)	2		
				6	Vertical Transport Sensor:VCC									
				7	Vertical Transport Sensor:VCC									
				8	Pick-up Solenoid:VAA					CN846	Pick-up Solenoid1 (Tray1 Paper Feed Unit)	2		
				9	Pick-up Solenoid									
57	D2236355	CN801	IOB Relay D2235701 CN803	1	—									
				2	Paper Feed Sensor:CGND					CN845	Paper Feed Sensor3 (Tray3 Paper Feed Unit)	2		
				3	Paper Feed Sensor:VCC									
				4	Paper Feed Sensor:VCC									
				5	Vertical Transport Sensor:CGND					CN844	Vertical Transport Sensor3 (Tray3 Paper Feed Unit)	1		
				6	Vertical Transport Sensor:VCC									
				7	Vertical Transport Sensor:VCC									
				8	Pick-up Solenoid:VAA					CN846	Pick-up Solenoid3 (Tray3 Paper Feed Unit)	2		
				9	Pick-up Solenoid									
57	D2236355	CN801	IOB Relay D2235701 CN804	1	—									
				2	Paper Feed Sensor:CGND					CN845	Paper Feed Sensor4 (Tray4 Paper Feed Unit)	3		
				3	Paper Feed Sensor:VCC									
				4	Paper Feed Sensor:VCC									
				5	Vertical Transport Sensor:CGND					CN844	Vertical Transport Sensor4 (Tray4 Paper Feed Unit)	3		
				6	Vertical Transport Sensor:VCC									
				7	Vertical Transport Sensor:VCC									
				8	Pick-up Solenoid:VAA					CN846	Pick-up Solenoid4 (Tray4 Paper Feed Unit)	2		
				9	Pick-up Solenoid									
55	D2236319	CN809	IOB Relay D2235701 CN805	1	—									
				2	Paper End Sensor:CGND					CN840	Paper End Sensor1 (Tray1 Paper Feed Unit)	2		
				3	Paper End Sensor:VCC									
				4	Paper End Sensor:VCC									
				5	Lift Sensor:CGND					CN841	Lift Sensor1 (Tray1 Paper Feed Unit)	3		
				6	Lift Sensor:VCC									
				7	Reverse Release Solenoid:VAA					CN842	Reverse Release Solenoid1 (Tray1 Paper Feed Unit)	1		
				8	Reverse Release Solenoid									
				9	Reverse Release Solenoid									
55	D2236319	CN809	IOB Relay D2235701 CN807	1	—									
				2	Paper End Sensor:CGND					CN840	Paper End Sensor3 (Tray3 Paper Feed Unit)	2		
				3	Paper End Sensor:VCC									
				4	Paper End Sensor:VCC									
				5	Lift Sensor:CGND					CN841	Lift Sensor3 (Tray3 Paper Feed Unit)	3		
				6	Lift Sensor:VCC									
				7	Reverse Release Solenoid:VAA					CN842	Reverse Release Solenoid3 (Tray3 Paper Feed Unit)	2		
				8	Reverse Release Solenoid									
				9	Reverse Release Solenoid									
55	D2236319	CN809	IOB Relay D2235701 CN808	1	—									
				2	Paper End Sensor:CGND					CN840	Paper End Sensor4 (Tray4 Paper Feed Unit)	3		
				3	Paper End Sensor:VCC									
				4	Paper End Sensor:VCC									
				5	Lift Sensor:CGND					CN841	Lift Sensor4 (Tray4 Paper Feed Unit)	3		
				6	Lift Sensor:VCC									
				7	Reverse Release Solenoid:VAA					CN842	Reverse Release Solenoid4 (Tray4 Paper Feed Unit)	2		
				8	Reverse Release Solenoid									
				9	Reverse Release Solenoid									
58	D2235476	CN700	IOB Relay D2235701	1	Jam LED(A): Drive				CN699	Jam LED(A)	2			
				2	Jam LED(A): +5V									
56	D2236322	CN860	IOB Relay D2235701 CN850	1	Paper Feed Motor:ENG A					CN850	Paper Feed Motor	8		
				2	—:ENG B									
				3	—:Vcc									
				4	—:CW/CCW									
				5	—:PWM									
				6	—:BRAKE									
				7	—:GND									
				8	—:24VS									
56	D2236322	CN860	IOB Relay D223491 CN861	1	Paper Feed Motor:ENG A					CN850	Paper Feed Motor 2	8		
				2	—:ENG B									
				3	—:Vcc									
				4	—:CW/CCW									
				5	—:PWM									
				6	—:BRAKE									
				7	—:GND									
				8	—:24VS									
56	D2236322	CN860	IOB Relay D2235701 CN852	1	Paper Feed Motor:ENG A					CN850	Paper Feed Motor 3	8		
				2	—:ENG B									
				3	—:Vcc									
				4	—:CW/CCW									
				5	—:PWM									
				6	—:BRAKE									
				7	—:GND									
				8	—:24VS									
56	D2236322	CN860	IOB Relay D2235701 CN853	1	Paper Feed Motor:ENG A					CN850	Paper Feed Motor 4	8		
				2	—:ENG B									
				3	—:Vcc									
				4	—:CW/CCW									
				5	—:PWM									
				6	—:BRAKE									
				7	—:GND									
				8	—:24VS									
46	D2235602	CN845	ACDRV/Relay D2235600 D2255600	1	Paper Bank Heater-Upper.L					CN890	Paper Bank Heater-Upper	1		
				2	Paper Bank Heater-Upper.N									
				1	Paper Bank Heater-Lower.L					CN891	Paper Bank Heater-Lower	1		
				2	Paper Bank Heater-Lower.N									
		CN846	CN845	ACDRV/Relay D2235600 D2255600	CN846	1	Paper Bank Heater-Upper.L							
						2	Paper Bank Heater-Upper.N							
						1	Paper Bank Heater-Lower.L							
						2	Paper Bank Heater-Lower.N							
65	D2234160	CN1	ACDRV	2	Thermostat					TS	Thermostat	—		
				5	Thermostat									
				1	Fusing Lamp1					CN2	Fusing Lamp1	1		
				4	Fusing Lamp2					CN4	Fusing Lamp2	1		
				—	Thermostat					(Terminal) CN3	Thermostat	1		
				3	HEATER H-1					CN8	HEATER	1		
				6	HEATER L-1					(D2234176) CN9	HEATER	1		
				12	Reed SW					CN5	Reed SW	1		
		CN1	Charger/Discharger	CN1	IOB	9	Thermistor:Center:Detection					CN6	Thermistor:Center	2
						10	Thermistor:Center:Compensation							
						11	Thermistor:Center:GND							
						18	Thermistor:Rear:5V					CN7	Thermistor:Rear	1
						19	Thermistor:Rear:GND							
						16	Set Detection					T2	Set Detection	—
						G	Earth					T1	Earth	—
						1	Thermostat							
72	D0664155	CN1	ACDRV	2	Thermostat					TS	Thermostat	—		
				3	Fusing Lamp1					CN2	Fusing Lamp1	1		
				4	Fusing Lamp2					CN4	Fusing Lamp2	1		
				—	Thermostat					(Terminal) CN3	Thermostat	1		
				5	Reed SW					CN5	Reed SW	1		
				10	Reed SW									
				7	Thermistor1(Detection)					CN7	Thermistor1	2		
				12	Thermistor1(GND)									
		13	Thermistor1(Compensation)											
		6	Thermistor2					CN6	Thermistor2	1				
		11	Thermistor2											
		14	Contact Detection					T2	Contact Detection	—				
		G	Earth					T1	Earth	—				

Harness No.	Harness P/N	CN (From)			Signal Info.			Relay			CN (To)					
		No.	Device	Pin No.	Signal Name	DIR	L	H	Harness P/N	No.	Device	Pin No.				
66	D2255600	CN989	ACDRV	1	AC L.PSU						CN901	PSU	1			
				2	NC											
				3	AC N.PSU											
				1	Drum Heater L						CN892	Drum Heater	3			
				2	Paper Bank Heater-Upper L						D2235602	CN845	Paper Bank Heater-Upper	1		
				3	Paper Bank Heater-Lower L						CN846	—	1			
				4	Drum Heater N						CN892	Drum Heater	2			
				5	Paper Bank Heater-Upper N						D2235602	CN845	Paper Bank Heater-Upper	2		
				6	Paper Bank Heater-Lower N						CN846	—	2			
				1	Scanner Heater L						CN893	Scanner Heater	1			
		CN991	IOB	CN991	IOB	2	NC									
						3	Scanner Heater N						CN893	Scanner Heater	2	
						1	HT1 2/L									
						2	HT1/N						D2234160	CN610	HT1 2	3
						1	HT2/N						D0664155		4	
						2	NC									
						—	HT1/L						CN610	—	2	
						1	HT2/L									
						1	Thermistor:Center:Compensation:Input									
						2	NC									
3	Thermistor:Center:Detection:Input															
4	Thermistor:Center:Detection:GND															
5	NC															
6	Fusing Unit: Set Detection															
7	Fusing Exit Jam Sensor: Input															
8	Fusing Exit Jam Sensor: GND															
9	Thermistor:Rear: Input															
10	Thermistor:Rear: GND															
1	GND															
73	D2235600	CN988	ACDRV	1	AC L.PSU						CN901	PSU	1			
				2	NC											
				3	AC N.PSU											
				1	Drum Heater L						CN892	Drum Heater	3			
				2	Paper Bank Heater-Upper L						D2235602	CN845	Paper Bank Heater-Upper	1		
				3	Paper Bank Heater-Lower L						CN846	—	1			
				4	Drum Heater N						CN892	Drum Heater	2			
				5	Paper Bank Heater-Upper N						D2235602	CN845	Paper Bank Heater-Upper	2		

