

	CN540	BICU CN540	1	GND	G	D1965269 CN67		D1965269 CN67-CN77 (TD Sensor K)	6	
			2	TD Sensor: K: Fout	<-				5	
			3	TD Sensor +3.3V	P				4	
			4	TD Sensor: K: SEL	->				3	
			5	TD Sensor: SDA	<-/->				2	
			6	TD Sensor: SCL	->				1	
			7	GND	G				6	
			8	TD Sensor: C: Fout	<-				5	
			9	TD Sensor +3.3V	P				4	
			10	TD Sensor: C: SEL	->				3	
			11	TD Sensor: SDA	<-/->				2	
			12	TD Sensor: SCL	->				1	
			13	N.C.	N					
			14	N.C.	N					
			15	GND	G				6	
			16	TD Sensor: M: Fout	<-				5	
			17	TD Sensor +3.3V	P				4	
			18	TD Sensor: M: SEL	->				3	
			19	TD Sensor: SDA	<-/->				2	
			20	TD Sensor: SCL	->				1	
			21	GND	G				6	
			22	TD Sensor: Y: Fout	<-				5	
			23	TD Sensor +3.3V	P				4	
			24	TD Sensor: Y: SEL	->				3	
			25	TD Sensor: SDA	<-/->				2	
			26	TD Sensor: SCL	->				1	
1-2	D1965246	CN519	BICU CN519	1	N.C.	N			Registration Clutch	2
				2	Registration Clutch: +24VS_LPS	P				1
				3	Registration Clutch: Control	->				2
				4	Paper Feed Clutch: +24VS_LPS	P				1
				5	Paper Feed Clutch: Control	->				11
				6	Fusing Motor: CLK	->				10
				7	Fusing Motor: Brake	->				9
				8	Fusing Motor: Rotatory Direction	->				8
				9	Fusing Motor: Start	<-				7
				10	Fusing Motor: Lock	<-				6
				11	N.C.	N				5
				12	N.C.	N				4
					N.C.	N				3
					N.C.	N				2
				13	Fusing Motor: GND	G				1
				14	Fusing Motor: GND	G				5
				15	Fusing Motor: +24VS	P				4
				16	Fusing Motor: +24VS	P				3
				17	N.C.	N				2
				18	Duplex Clutch: +24VS_LPS	P				1
				19	Duplex Clutch: Control	->				5
				20	Bypass Feed Clutch: +24VS_LPS	P				4
				21	Bypass Feed Clutch: Control	->				2
				22	Paper Transport Motor: CLK	->				1
				23	Paper Transport Motor: Brake	->				11
				24	Paper Transport Motor: Rotatory Direction	->				10
				25	Paper Transport Motor: Start	->				9
				26	Paper Transport Motor: Lock	<-				8
				27	N.C.	N				7
				28	N.C.	N				6
					N.C.	N				5
					N.C.	N				4
		29	Paper Transport Motor: GND	G	3					
		30	Paper Transport Motor: GND	G	2					
		31	Paper Transport Motor: +24VS	P	1					
		32	Paper Transport Motor: +24VS	P	7					
		CN559	BICU CN559	1	N.C.	N			Paper Feed Unit (Drawer)	6
				2	N.C.	N				5
				3	N.C.	N				4
				1	Paper Feed Unit: RXD	<-				3
				2	Paper Feed Unit: TXD	->				2
				3	GND	G				1
				4	+5V	P				8
					N.C.	N				7
					N.C.	N				6
				5	GND	G				5
				6	GND	G				4
				7	GND	G				3
				8	+24V	P				2
				9	+24V	P				1
				10	+24V	P				2
				11	GND	G				1
12	Tray Paper End Sensor			<-	2					
13	GND			G	3					
14	Paper Feed Sensor	<-	2							
15	+5V	P	1							
16	GND	G	3							
17	Registration Sensor	P	2							
18	+5V	P	1							
19	Right Cover Sensor	<-	2							
20	GND	G	1							
CN560	BICU CN560	1	+24VS_LPS	P			HVP T1/T2	10		
		2	GND	G				9		
		3	HVP: TTS: SC Search	<-				8		
		4	HVP: Paper Transfer: FB	<-				7		
		5	HVP: Paper Transfer: +: PWM	->				6		
		6	HVP: Paper Transfer: -: PWM	->				5		
		7	HVP: ITB: K: PWM	->				4		
		8	HVP: ITB: C: PWM	->				3		
		9	HVP: ITB: M: PWM	->				2		
		10	HVP: ITB: Y: PWM	->				1		

1-6	D1965250	CN38	Relay CN38	2 1	Right Cover Sensor GND	<- G			Right Cover Sensor	2 1	
1-7	D1965251	CN561	BICU CN561	1	HVP: Charger DC: M: PWM	->		CN801	HVP C/B	11	
				2	HVP: Charger DC: C: PWM	->	10				
				3	HVP: Charger DC: K: PWM	->	9				
				4	HVP: Charger AC: Y: PWM	->	8				
				5	HVP: Charger AC: M: PWM	->	7				
				6	HVP: Charger AC: C: PWM	->	6				
				7	HVP: Charger AC: K: PWM	->	5				
				8	HVP: Charger AC: Frequency	->	4				
				9	N.C.	N	3				
				10	GND	G	2				
				11	+24VS1	P	1				
				12	HVP: Charger AC: K: FB	<-	22				
				13	HVP: Charger AC: C: FB	<-	21				
				14	HVP: Charger AC: M: FB	<-	20				
				15	HVP: Charger AC: Y: FB	<-	19				
				16	N.C.	N	18				
				17	HVP: CB: SC Search	<-	17				
				18	HVP: Development: C: PWM	->	16				
				19	HVP: Development: K: PWM	->	15				
				20	HVP: Development: M: PWM	->	14				
				21	HVP: Development: Y: PWM	->	13				
				22	HVP: Charger DC: Y: PWM	->	12				
1-8	D1965252	CN32	Relay CN17	2 1	Waste Toner Bottle Set Sensor: Set Sensor GND	<- G			Waste Toner Bottle Set Sensor	2 1	
1-9	D1175253	CN56	Relay CN36	6	N.C.	N			Fusing Thermopile	4	
				5	5V	P				3	
				5	GND	G				2	
				4	Fusing Thermopile: FB	<-				1	
				3	GND	G					
				2	Fusing Exit Sensor	<-				3	
				1	+5V	P				2	
1-10	D1175254	CN10	Relay CN10	11	+24VS1	P	D1175254	CN42	[1-36] D1176397 CN42-CN3	2	
				10	ID Sensor Shutter Solenoid: Control	->			ID Sensor Shutter Solenoid	1	
				9	GND	G			[1-36] D1176397 CN42-CN3	9	
				8	ID Sensor: R: PWM	->			ID Sensor	8	
				7	ID Sensor_R FB	<-				7	
				6	ID Sensor_C FB	<-				6	
				5	+5V	P				5	
				4	ID Sensor: C: PWM	->				4	
				3	ID Sensor_C FB	<-				3	
				2	ID Sensor_F FB	<-				2	
1	ID Sensor: F: PWM	->			1						
1-11	D1965255	D196525 5 CN31	Relay CN31	9	ITB Contact Motor: Control A	->			ITB Contact Motor	2	
				8	ITB Contact Motor: Control B	->				1	
				7	GND	G					
				6	ITB Contact HP Sensor	<-				3	
				5	+5V	P				2	
				4	GND	G				1	
				3	Tray Set Sensor	<-				2	
		2	N.C.	N				1			
		1	N.C.	N							
		D196525 5 CN34	Relay CN34	8	GND	G	D1175248	CN39	D1175248 CN39	2	
				7	Tray Paper End Sensor	<-			(Tray Paper End Sensor)	1	
				6	GND	G			D1175248 CN39	3	
				5	Paper Feed Sensor	<-			(Paper Feed Sensor)	2	
				4	+5V	P				1	
3	GND			G							
2	Registration Sensor			<-			D1175248 CN39		3		
1	+5V	P			(Registration Sensor)	2					
1-12	D1175256	CN8	Relay CN8	6 5 4 3 2 1	GND Waste Toner Full Sensor +5V GND Tray Lift Sensor +5V	G <- P G <- P		CN73	Waste Toner Full Sensor	3 2 1	
								CN9	Tray Lift Sensor	3 2 1	
1-13	D1965258	D196524 6 CN81	Relay CN81	4 3 2 1	DC_SW_ON Signal N.C. N.C. GND	<- N N G			DCSW	2 1	
1-14	D1965279 (MP C306 Series)	D196527 5 CN70	Relay CN70	17	Pressure Roller Thermistor (Center): GND	G	D1964311 or D1964312 or D1964313 or D1964314	Drawer	D1964311 or D1964312 or D1964313 or D1964314 Drawer-CN	2	
				16	Pressure Roller Thermistor (Center): FB	<-				Fusing UNIT: Pressure Roller Thermistor (Center)	1
				15	Pressure Roller Thermistor (Rear): GND	G				D1964311 or D1964312 or D1964313 or D1964314 Drawer-CN	2
				14	Pressure Roller Thermistor (Rear): FB	<-				Fusing UNIT: Pressure Roller Thermistor (Rear)	1
				13	Pressure Roller Thermistor (Front): GND	G				D1964311 or D1964312 or D1964313 or D1964314 Drawer-CN	2
				12	Pressure Roller Thermistor (Front): FB	<-				Fusing UNIT: Pressure Roller Thermistor (Front)	1
					N.C.	N					
					N.C.	N					
					N.C.	N					
				11	NC Sensor 1/GND	G				D1964311 or D1964312 or D1964313 or D1964314 Drawer-CN	3
				10	NC Sensor 1/Detection	<-				D1964311 or D1964312 or D1964313 or D1964314 Drawer-CN	2
				9	NC Sensor 1/Compensation	<-				Fusing UNIT: NC Sensor 1	1
				8	N.C.	N					
					N.C.	N					
					N.C.	N					
					N.C.	N					
					N.C.	N					
		7	GND (MP C306 Series)	G		D1964311 or D1964312 or D1964313 or D1964314 Drawer-CN					
		6	GND (MP C406 Series)	G		Fusing UNIT: Generation Detection 2					
		5	N.C.	N		D1964311 or D1964312 or D1964313 or D1964314 Drawer-CN	-				
			N.C.	N		Fusing UNIT: Fusing Unit Region Detection	-				
		4	Fusing Unit Region Detection: NA, TWN	<-		D1964311 or D1964312 or D1964313 or D1964314 Drawer-CN	2				
		3	Fusing Unit Region Detection: EU	<-		Fusing UNIT: Fusing Unit New Detection	1				
		2	Fusing Unit New Detection: GND	G		D1964311 or D1964312 or D1964313 or D1964314 Drawer-CN	2				
1	Fusing Unit New Detection	->		Fusing UNIT: Fusing Unit New Detection	1						
				D1964311 or D1964312 or D1964313 or D1964314 Drawer-CN	1						
				Fusing UNIT: Fusing Heater/L							
				D1964311 or D1964312 or D1964313 or D1964314 Drawer-CN	1						
				Fusing UNIT: Fusing Heater (Center)/N							
				Ground Wire	-						
				N.C.							
				N.C.							

1-15	D1175260	CN601	PSU CN601	1	AC IN L	<-	INLET	Inlet	L	
				2	AC_IN_N	<-			E	
					EARTH	G			N	
1-17	D1965262	CN565	BICU CN565	1	+24VS	P		Interlock SW	2	
				2	+24VS_LPS	P			1	
		CN610	PSU CN610	1	+24VL	P			2	
				2	+24VL_LPS	P			1	
1-18	D1965263	CN566	PSU CN300	1	GND	G	CN611	PSU (AC) CN611	5	
				2	GND	G			4	
				3	+24V_LPS	P			3	
				4	GND	G	CN613	PSU (AC) CN613	2	
				5	+24V	P			1	
				6	GND	G			4	
				7	GND	G	3			
				8	+5V	P	2			
				9	+5VX	P	1			
		CN504	BICU CN504	1	GND	G	CN612	PSU (AC) CN612	2	
				2	PONENG Signal	<-			1	
1-19	D1965264	CN602	PSU CN602	1	AC Voltage Detection/N	<-	CN12	ACVB	3	
					N.C.	N			2	
				2	AC Voltage Detection/L	<-			1	
2-1	D1965265	CN600	PSU CN600	1	Anti-condensation Heater (Mainframe)/N	->		Anti-condensation Heater (Mainframe)	2	
				2	Anti-condensation Heater (Optional Paper Feed Ur	->			Anti-condensation Heater (Optional Paper Feed	2
				3	N.C.	N				
				4	Anti-condensation Heater (Mainframe)/L	<-			Anti-condensation Heater (Mainframe)	1
				5	Anti-condensation Heater (Optional Paper Feed Ur	<-			Anti-condensation Heater (Optional Paper Feed	1
	T2				<-		Anti-condensation Heater (Optional Paper Feed	-		

Unit Harness

1-21	D1965240	D196527 5 CN35	Relay CN35	1	N.C.	N		Paper Exit Sensor		
				2	N.C.	N				
				3	GND	G			3	
				4	Paper Exit Sensor	<-			2	
				5	5V	P			1	
1-22	D1965241	D196527 5 CN41	Relay CN41	1	N.C.	N		Fusing Entrance Sensor		
				2	N.C.	N				
				3	N.C.	N				
				4	GND	G			3	
				5	Fusing Entrance Sensor	<-			2	
				6	+5V	P			1	
				7	GND	G			Duplex Exit Sensor	3
				8	Duplex Exit Sensor	<-				2
				9	+5V	P				1
				10	N.C.	N				
				11	N.C.	N				
1-23	D1175242	D196527 5 CN48	Relay CN41	1	GND	G		Duplex Entrance Sensor	3	
				2	Duplex Entrance Sensor	<-			2	
				3	+5V	P			1	
1-24	D1175243	D196527 5 CN7	Relay CN7	1	GND	G		Bypass Paper Width sensor	3	
				2	Bypass Paper Width sensor	<-			2	
				3	+5V	P			1	
				4	GND	G			Bypass Paper End sensor	3
				5	Bypass Paper End sensor	<-				2
				6	+5V	P			1	
				7	+24VS2	P			Bypass Lift Clutch	2
				8	Bypass Lift Clutch: Control	->				1
				9	GND	G			Bypass Lift Sensor	3
				10	Bypass Lift Sensor	<-				2
				11	+5V	P				1
1-25	D2141468	CN114	BICU CN114	1	GND	G	CN3	SUB	15	
				2	GND	G			14	
				3	GND	G			13	
				4	SDMODE_N	O			12	
				5	-	I			11	
				6	Engine Power Signal	O			10	
				7	V:Power: Notification	O			9	
				8	Status Transition Request for Energy Save Key	I			8	
				9	USB Host Power Signal for Controller	O			7	
				10	-	O			6	
				11	-	P			5	
				12	+5VX_LPS2	P			4	
				13	+5VX_LPS2	P			3	
				14	+5VX_LPS1	P			2	
				15	+5VX_LPS1	P			1	
1-26	D1963121	D196526 9 CN74-77	Relay CN74-77	1	GND	G		TD Sensor (Y/M/C/K - MP C306 Series)	6	
				2	Front	<-			5	
				3	+3.3V	P			4	
				4	SEL	->			3	
				5	SDA	<-/->			2	
				6	SCL	->			1	
1-27	D1965230	CN221	BICU CN221	1	Cyan: LD1: Data +	O		LDB (K, C)	1	
				2	Cyan: LD1: Data -	O			2	
				3	GND	G			3	
				4	GND	G			4	
				5	Cyan: LD1: Intensity Adjustment DAC	O			5	
				6	GND	G			6	
				7	GND	G			7	
				8	GND	G			8	
				9	GND	G			9	
				10	GND	G			10	
				11	Cyan: LD1: APC Control	O			11	
				12	Cyan: LD1: LD Off	O			12	
				13	LD Power	P			13	
				14	LD Power	P			14	
				15	Black, Cyan: LD Error Search	I			15	
				16	Black, Cyan: LD5V Power Error Search	I			16	
				17	Black: Leading Edge Synchronus Detection Signal	I			17	
				18	LD Power	P			18	
				19	LD Power	P			19	
				20	Black: LD1: LD Off	O			20	
				21	Black: LD1: APC Control	O			21	
				22	GND	G			22	
				23	GND	G			23	
				24	GND	G			24	
				25	GND	G			25	
				26	Black: LD1: Intensity Adjustment DAC	O			26	
				27	GND	G			27	
				28	GND	G			28	
				29	Black: LD1: Data +	O			29	
				30	Black: LD1: Data -	O			30	

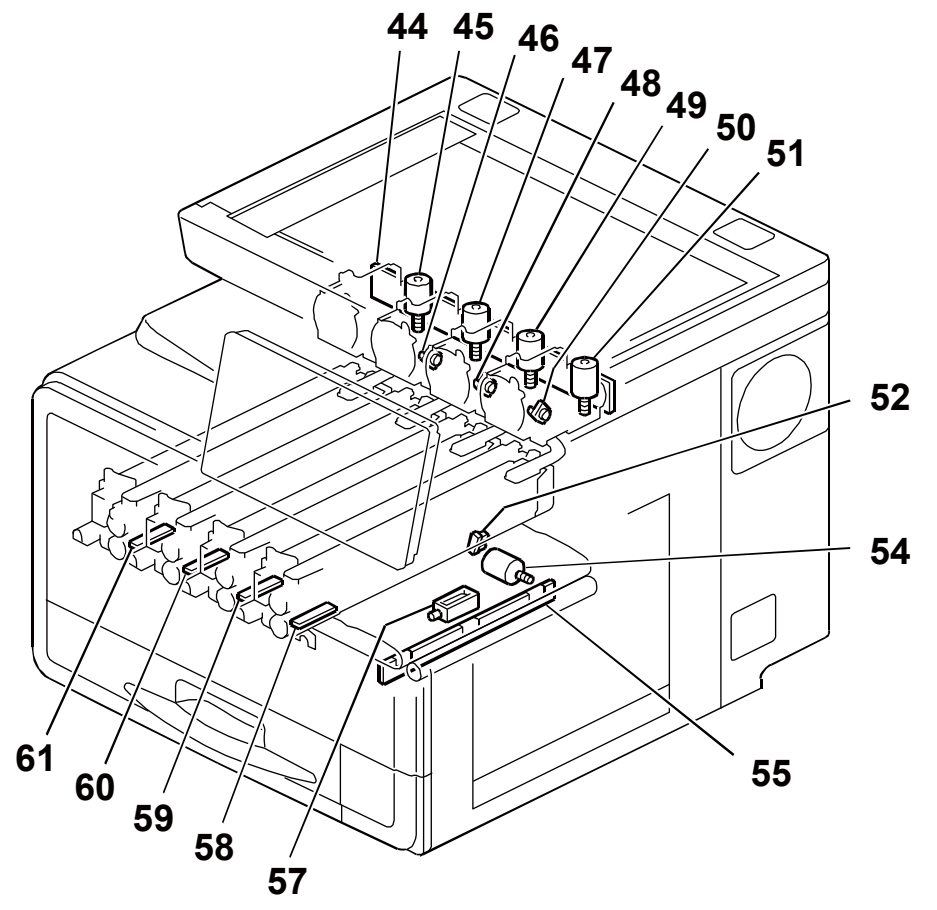
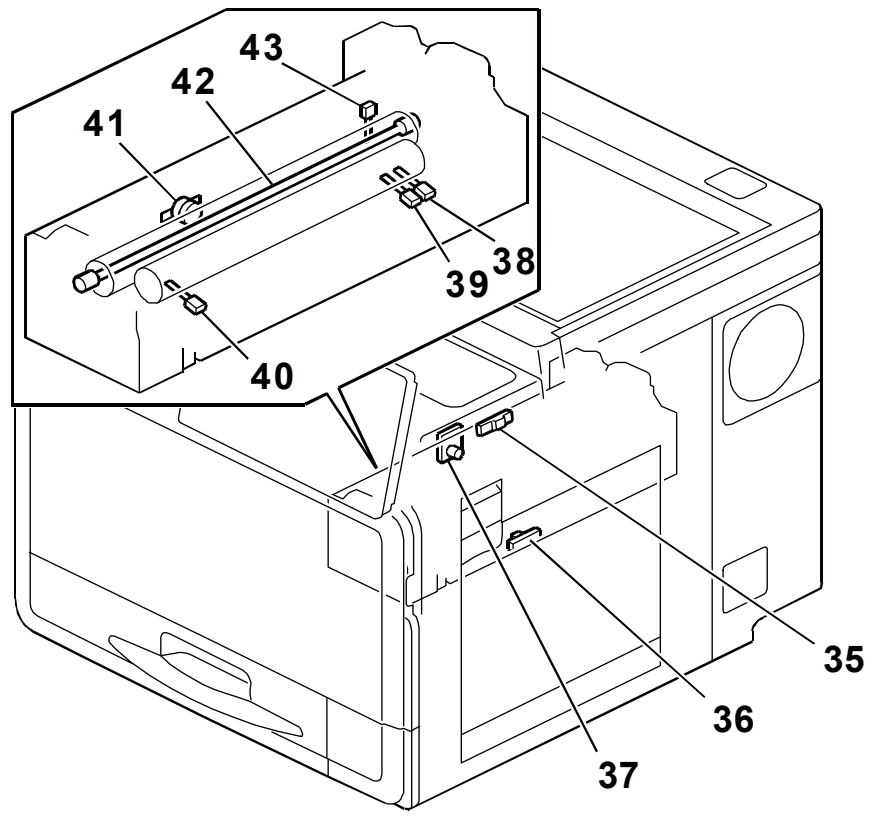
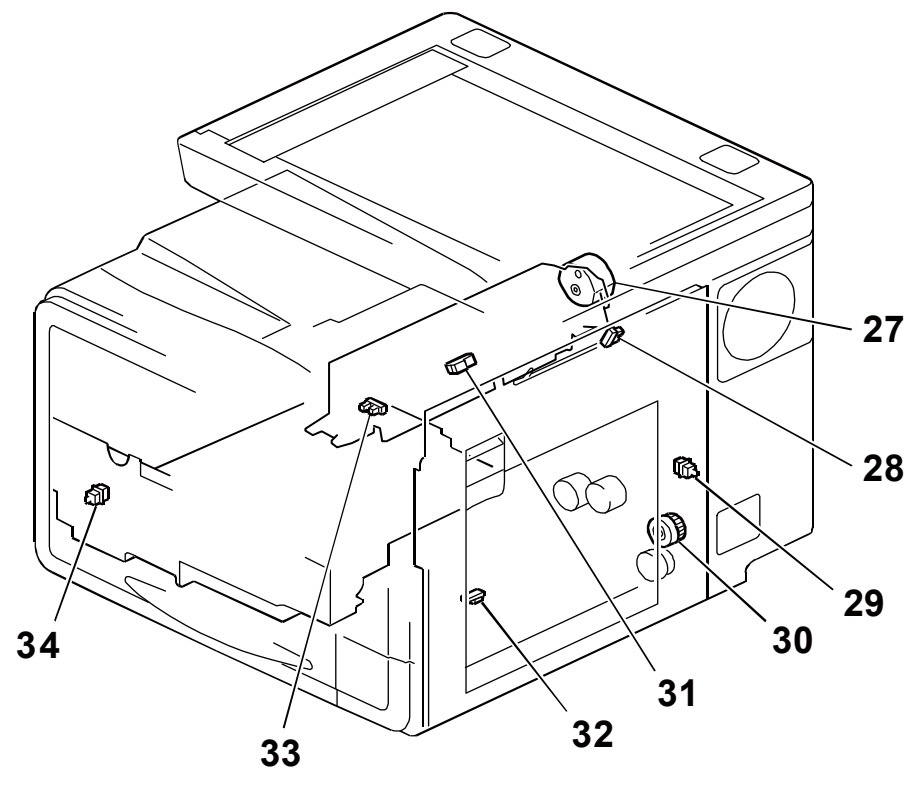
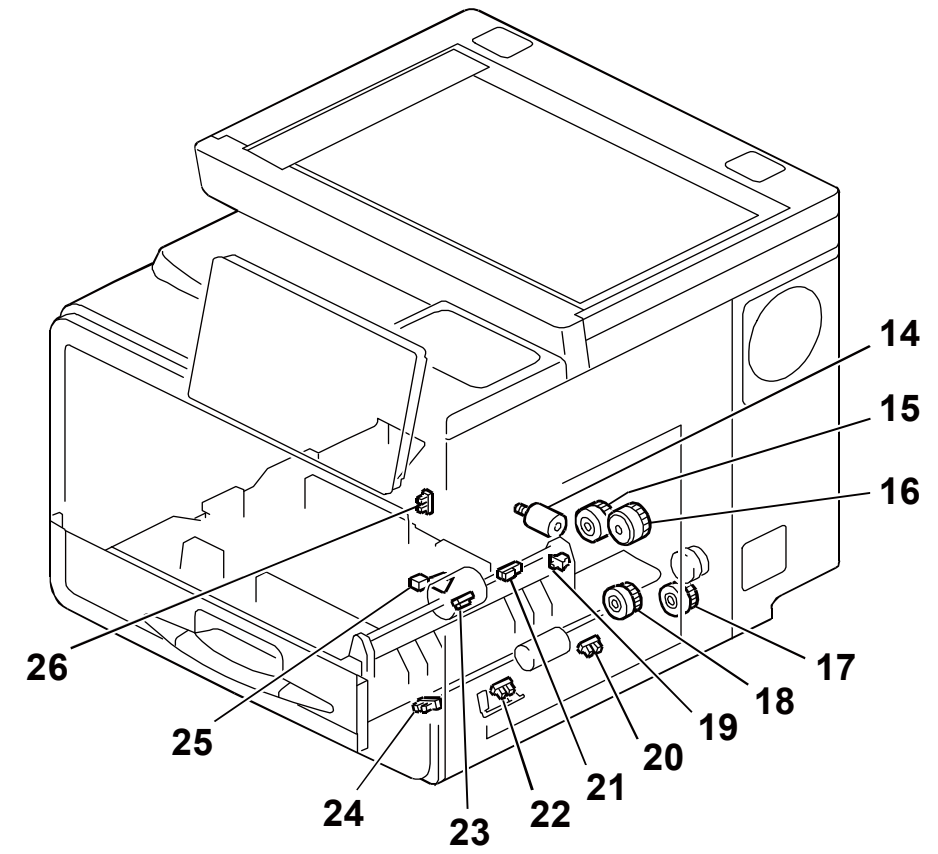
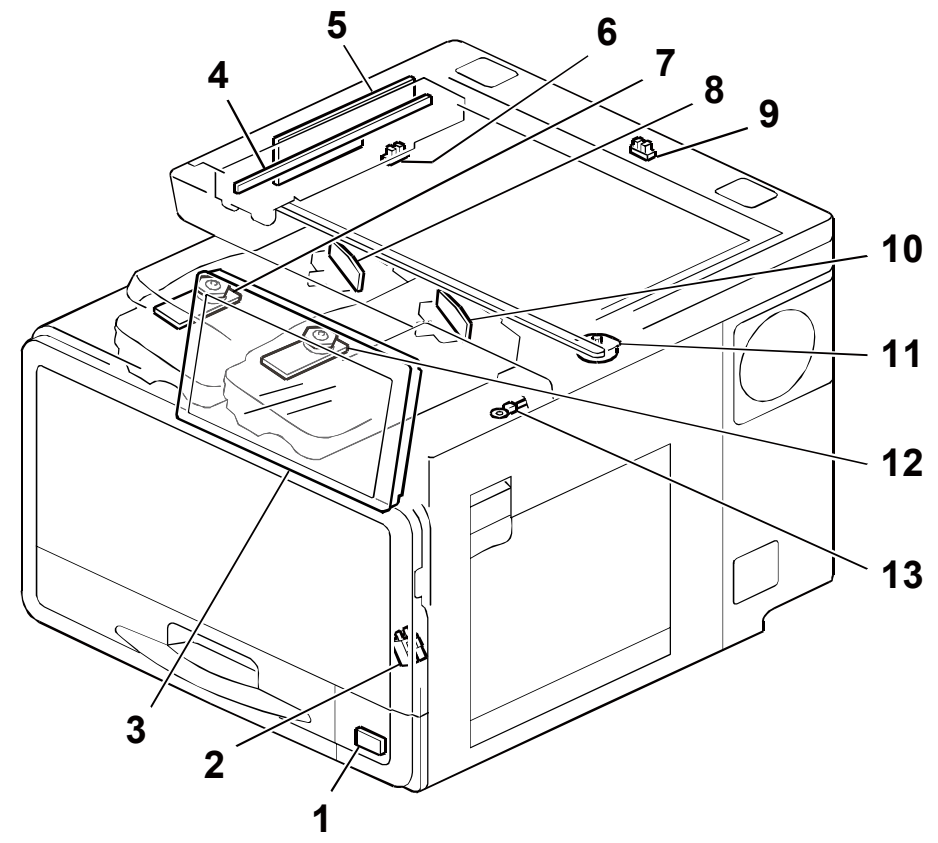
1-28	D1965231 (MP C306 Series)	CN222	BICU CN222	1	Yellow: LD1: Data +	O		LDB (M, Y)	1
				2	Yellow: LD1: Data -	O			2
				3	GND	G			3
				4	GND	G			4
				5	Yellow: LD1: Intensity Adjustment DAC	O			5
				6	GND	G			6
				7	GND	G			7
				8	GND	G			8
				9	GND	G			9
				10	GND	G			10
				11	Yellow: LD1: APC Control	O			11
				12	Yellow: LD1: LD Off	O			12
				13	LD Power	P			13
				14	LD Power	P			14
				15	Magenta, Yellow: LD Error Search	I			15
				16	Pull Down Process in BICU	G			16
				17	Magenta: Leading Edge Synchronus Detection Sig	I			17
				18	LD Power	P			18
				19	LD Power	P			19
				20	Magenta: LD1: LD Off	O			20
				21	Magenta: LD1: APC Control	O			21
				22	GND	G			22
				23	GND	G			23
				24	GND	G			24
				25	GND	G			25
				26	Magenta: LD1: Intensity Adjustment DAC	O			26
				27	GND	G			27
				28	GND	G			28
				29	Magenta: LD1: Data +	O			29
				30	Magenta: LD1: Data -	O			30
1-29	D1175200	CN401	BICU CN401	1	GND	G	CN1	SBU CN1	40
				2	GND	G			39
				3	CCD, EF Power	P			38
				4	CCD, EF Power	P			37
				5	CCD Driver Power Source	P			36
				6	CCD Driver Power Source	P			35
				7	GND	G			34
				8	Analog Signal R	<-			33
				9	GND	G			32
				10	Analog Signal G or BW_odd	<-			31
				11	GND	G			30
				12	Analog Signal B or BW_even	<-			29
				13	GND	G			28
				14	Differential Buffer Power Source	P			27
				15	Differential Buffer Power Source	P			26
				16	SW (Color/Mono)	->			25
				17	GND	G			24
				18	CP Pulse	->			23
				19	CP Pulse	->			22
				20	GND	G			21
				21	RS Pulse	->			20
				22	RS Pulse	->			19
				23	GND	G			18
				24	PH2 Pulse	->			17
				25	PH2 Pulse	->			16
				26	GND	G			15
				27	PH1 Pulse	->			14
				28	PH1 Pulse	->			13
				29	SBU Connection Detection	I			12
				30	SH2, SH3 (for BW)	->			11
				31	SH1 (for RGB)	->			10
				32	12VON/OFF Control	->			9
				33	LED Power	P			8
				34	LED Power	P			7
				35	LED Control 5	<-			6
				36	LED Control 4	<-			5
				37	LED Control 3	<-			4
				38	LED Control 2	<-			3
				39	LED Control 1	<-			2
				40	GND	G			1
1-30	D1175202	CN403	BICU CN403	1	Scanner Motor_B	<-/->		Scanner Motor	4
				2	Scanner Motor_A	<-/->			3
				3	Scanner Motor_/B	<-/->			2
				4	Scanner Motor_/A	<-/->			1
1-31	D1175203	CN404	BICU CN404	1	GND	G		ARDF/Platen Cover Sensor	3
				2	ARDF/Platen Cover Sensor	<-			2
				3	Power: +5VE (PONSENS)	P			1
				4	GND	G		Scanner HP Sensor	3
				5	Scanner HP Sensor	<-			2
				6	Power: +5V (Scanner)	P			1
1-32	D1175205	CN402	BICU CN402	1	ARDF Reverse Solenoid	<-	D6065212 CN101	D6065212 CN101	1
				2	ARDF Feed Solenoid	<-			2
				3	Power: +24V	P			3
				4	Power: +24V	P			4
				5	DF Connection Detection	<-			5
				6	ARDF Feed Cover Sensor	<-			6
				7	ARDF Original Set Sensor	<-			7
				8	Power: +5VE (PONSENS)	P			8
				9	GND	G			9
				10	GND	G			10
				11	Registration Sensor	<-			11
				12	Power: +5V (Scanner)	P			12
				13	Encoder_A	<-			13
				14	DCM motor (-)	<-/->			14
				15	Encoder_B	<-			15
				16	DCM motor (+)	<-/->			16

1-40	D6065213	CN2	DFRB CN2	1	DCM motor (-)	<-/->		ARDF Motor	6
				2	DCM motor (+)	<-/->			5
				3	Power: +5V (Scanner)	P			4
				4	GND	G			3
				5	Encoder_B	<-			2
				6	Encoder_A	<-			1
1-41	D2141469	CN112	BICU CN112	1	+5V	P	CN2	SUB	1
				2	USB Data Signal -	<-/->			2
				3	USB Data Signal +	<-/->			3
					NC	N			4
				4	GND	G			5

Option Harness

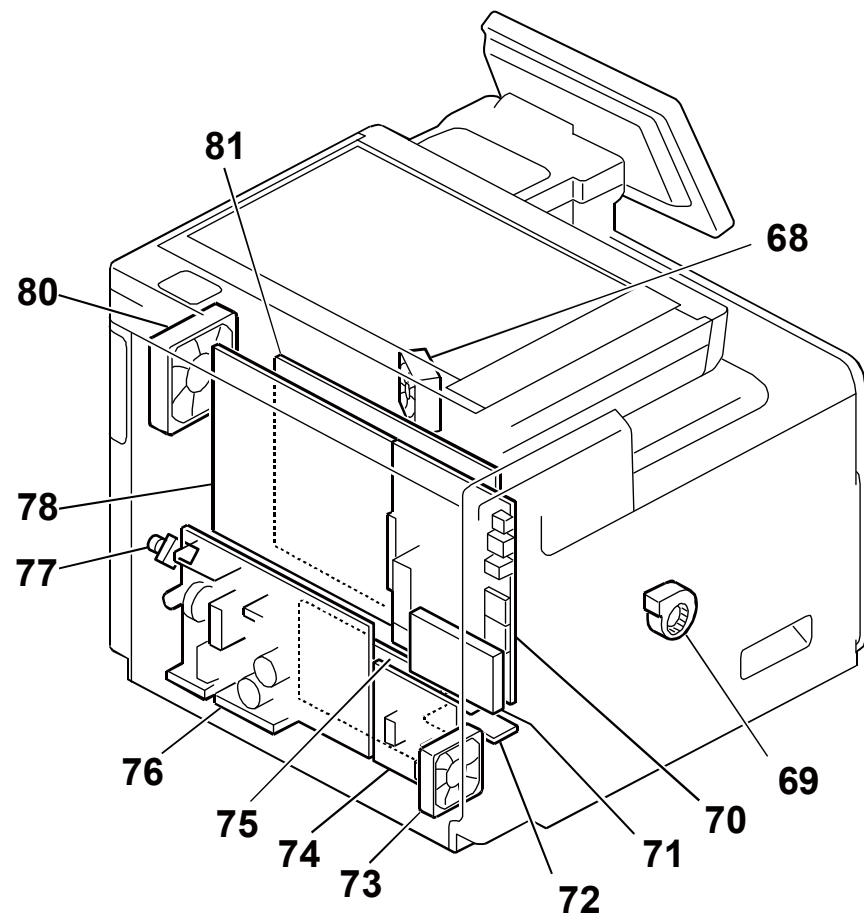
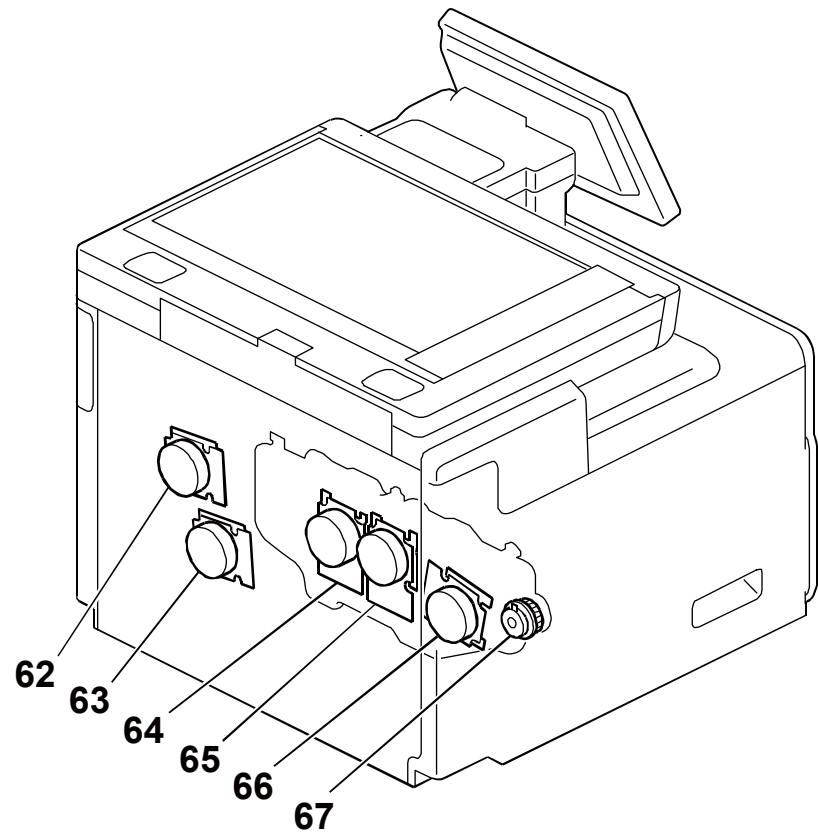
2-3	D1175239	CN516	Key Counter	1	GND	G	CN76	Key Counter Relay	4
				2	Key Counter: Set Sensor 1	<-			3
				3	24VforCounter	P			2
				4	Key Counter: Control	O			1
2-5	D5745300	CN527	BICU CN527	1	GND	G	CN	1-Bin Tray Paper Remaining Sensor	3
				2	1-Bin Tray Paper Remaining Sensor	<-			2
				3	+5VE_LPS	P			1
				4	GND	G	CN	1-Bin Tray Exit Sensor	3
				5	1-Bin Tray Exit Sensor	<-			2
				6	+5V	P	1		
				7	1-Bin Tray Set sensor	<-	CN527	1-Bin Tray Set sensor	8
				9	+5VE_LPS	P	CN	1-Bin LED	2
				10	1-Bin LED	->		1	
				11	NC	N			
				2-6	B8705510	CN570	BICU CN570	1	+5V
2	Key Card: Set Sensor	<-	12						
3	b0 (Size 1)	->	11						
4	b1 (Size 2)	->	10						
5	b2 (Size 3)	->	9						
6	b3 (Size4)	->	8						
7	b4 (Mode 1)	->	7						
8	b5 (Mode 2)	->	6						
9	b6 (Duplex)	->	5						
10	b7 (Motor)	->	4						
11	GND	G	3						
12	Key Card: Control	->	2						
13	24VforCounter	P	1						

MP C306/C406 Series ELECTRICAL COMPONENT LAYOUT (1/2)



MP C306/C406 Series

ELECTRICAL COMPONENT LAYOUT (2/2)



Symbol	Index No.	Description	P to P
Sensors			
S1	24	Bypass Tray Bottom Plate Lift Cam HP Sensor	B9
S2	20	Bypass Paper End Sensor	B9
S3	22	Bypass Paper Width Sensor	B9
S4	28	Duplex Entrance Sensor	B9
S5	36	Fusing Entrance Sensor	B9
S6	32	Duplex Exit Sensor	B9
S7	35	Fusing Exit Sensor	C9
S8	37	Fusing Thermopile	C9
S9	61	Toner Density Sensor (μ sensor):K	E9
S10	60	Toner Density Sensor (μ sensor):C	E9
S11	59	Toner Density Sensor (μ sensor):M	E9
S12	58	Toner Density Sensor (μ sensor):Y	E9
S13	55	ID Sensor	D1
S14	52	ITB Contact Sensor	B1
S15	25	Paper End Sensor	C1
S16	23	Paper Feed Sensor	C1
S17	9	ARDF/Platen Cover Sensor	G7
S19	21	Registration Sensor	C1
S20	6	Scanner HP Sensor	G7
S21	1	Temperature/Humidity Sensor	E7
S22	46	Toner End Sensor:C	E9
S23	48	Toner End Sensor:M	E9
S24	50	Toner End Sensor:Y	E9
S25	33	Waste Toner Full Sensor	A2
S26	26	Tray Lift Sensor	A2
S27	31	Paper Exit Sensor	C9

Symbol	Index No.	Description	P to P
PCBs			
PCB1	72	ACVB	F4
PCB2	78	BiCU	D5
PCB3	70	Controller Board	A6
PCB4	81	Power Pack (Development)	E2
PCB5	75	Power Pack (Transfer)	A2
PCB6	44	Bottle ID Chip Contact Board	D7
PCB7	8	LD Board (K,C)	F8
PCB8	10	LD Board (M,Y)	F8
PCB9	74	PSU (AC)	F2
PCB10	5	SBU	F7
PCB11	76	PSU (DC)	G3

Symbol	Index No.	Description	P to P
Solenoids			
SOL1	57	Shutter Solenoid	D1
SOL2	27	Paper Exit Rotary Solenoid	C9

Symbol	Index No.	Description	P to P
Switches			
SW1,2	2	Interlock Switches	G1
SW3	77	Main Power Switch(DC Switch)	C1
SW4	29	Right Cover Sensor	B2
SW5	19	Paper Tray Sensor	A2
SW6	34	Waste Toner Bottle Set Switch	E2

Symbol	Index No.	Description	P to P
Motors			
M1	64	Development Motor (CMY)	D3
M2	66	Drum Motor (K)	D3
M3	65	Drum Motor (CMY)	D3
M4	62	Fusing Motor	C3
M5	54	ITB Contact Motor	B1
M6	63	Paper Transport Motor	C3
M7	7	Polygon Motor (K.C)	E8
M8	12	Polygon Motor (M.Y)	F8
M9	11	Scanner Motor	G7
M10	45	Toner Supply Motor (K)	D9
M11	47	Toner Supply Motor (C)	D9
M12	49	Toner Supply Motor (M)	D9
M13	51	Toner Supply Motor (Y)	D9
M14	14	Tray Lift Motor	A2

Symbol	Index No.	Description	P to P
Fans			
FAN1	73	PSU Fan	D2
FAN2	69	PCDU Cooling Duct Fan	D2
FAN3	80	Exhaust Fan	C9
FAN4	68	LD Unit Cooling Fan	E8

Symbol	Index No.	Description	P to P
Clutches			
CL1	18	Bypass Tray Bottom Plate Lifting-up Cam Clutch	B9
CL2	17	Bypass Feed Clutch	C2
CL3	67	Development Clutch (K)	D3
CL4	30	Duplex Clutch	C2
CL5	15	Paper Feed Clutch	C3
CL6	16	Registration Clutch	C2

Symbol	Index No.	Description	P to P
Thermistors			
TH1	39	Pressure Roller Thermistor (Front)	C9
TH2	38	Pressure Roller Thermistor (Rear)	C9
TH3	40	Pressure Roller Thermistor (Center)	C9
TH4	13	Image Creation Temperature Sensor (thermistor)	E8
TH5	43	Fusing Thermistor (NC Sensor)	D9

Symbol	Index No.	Description	P to P
Thermostat			
TS1	41	Thermostat	-

Symbol	Index No.	Description	P to P
Lamps			
L1	42	Fusing Lamp	D9
L2	4	Scanner Carriage (LED)	F2

Symbol	Index No.	Description	P to P
Other			
OT1	3	Operation Panel	F3
OT2	71	HDD	A8

D3BE (ARDF) POINT TO POINT DIAGRAM

ARDF Relay Board (PCB1)

6P

DCM motor (-)	1
DCM motor (+)	2
Power: +5V (Scanner)	3
GND	4
Encoder_B	5
Encoder_A	6

CN2

1
6

D6065213

6
1

CN1



ARDF Transport Motor

16P

1	ARDF Reverse Solenoid
2	ARDF Feed Solenoid
3	Power: +24V
4	Power: +24V
5	DF Connection Detection
6	ARDF Feed Cover Sensor
7	ARDF Original Set Sensor
8	Power: +5VE (PONSENS)
9	GND
10	GND
11	Registration Sensor
12	Power: +5V (Scanner)
13	Encoder_A
14	DCM motor (-)
15	Encoder_B
16	DCM motor (+)

D6065212

CN

16
1

CN1

10P

ARDF Reverse Solenoid	1
Power: +24V	2
ARDF Feed Solenoid	3
Power: +24V	4
GND	5
ARDF Feed Cover Sensor	6
Power: +5V (Scanner)	7
GND	8
ARDF Original Set Sensor	9
Power: +5VE (PONSENS)	10

CN4

1
10

D6065211

2
1

CN

JCN

CN



ARDF Feed Solenoid



ARDF Reverse Solenoid

3
1

CN

1

S1

ARDF Feed Cover Sensor

3
1

CN

1

S2

ARDF Original Sensor

3P

GND	1
Registration Sensor	2
Power: +5V (Scanner)	3

CN3

1
3

D6065210

3
1

CN301

S3

ARDF Registration Sensor

Main Machine

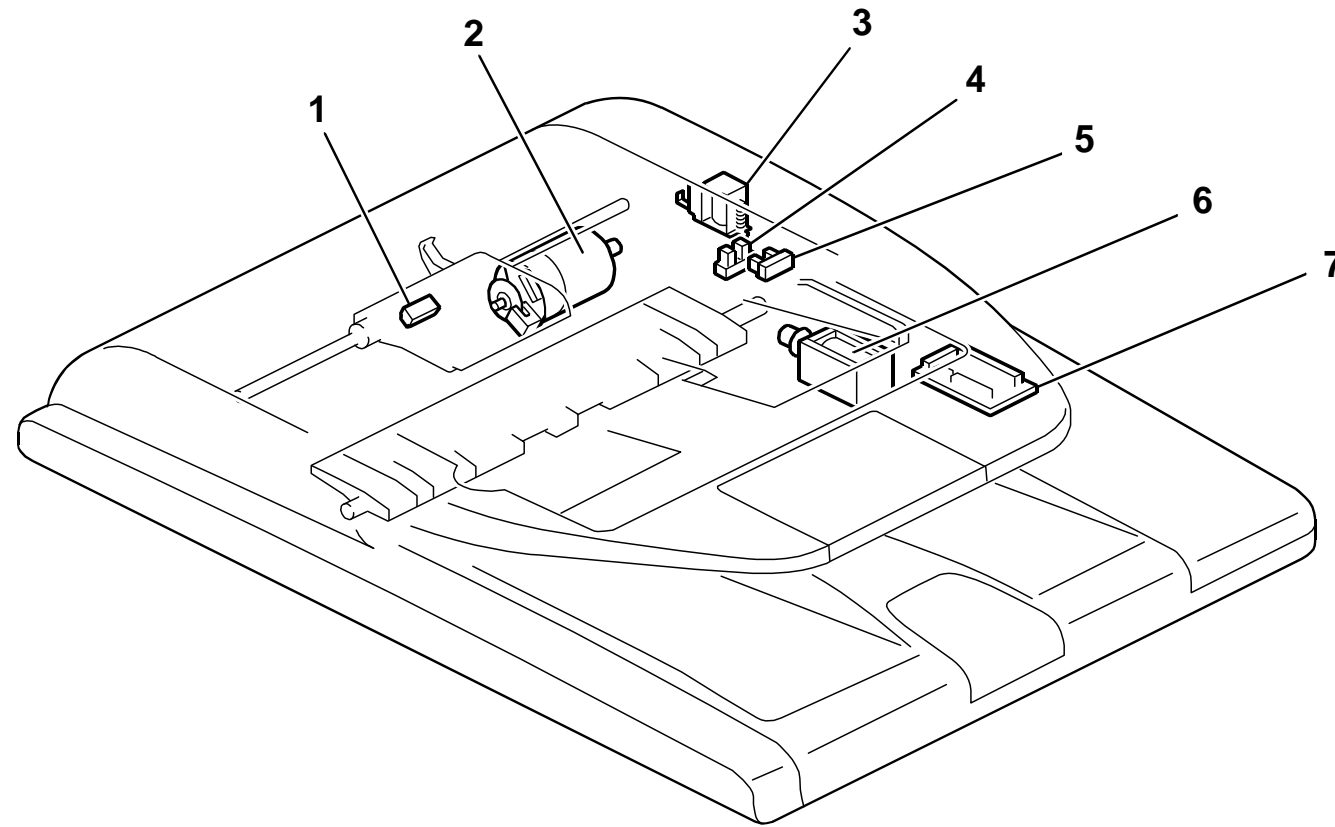
A
B
C
D
E
F
G

A
B
C
D
E
F
G

1 2 3 4 5 6 7 8 9 10

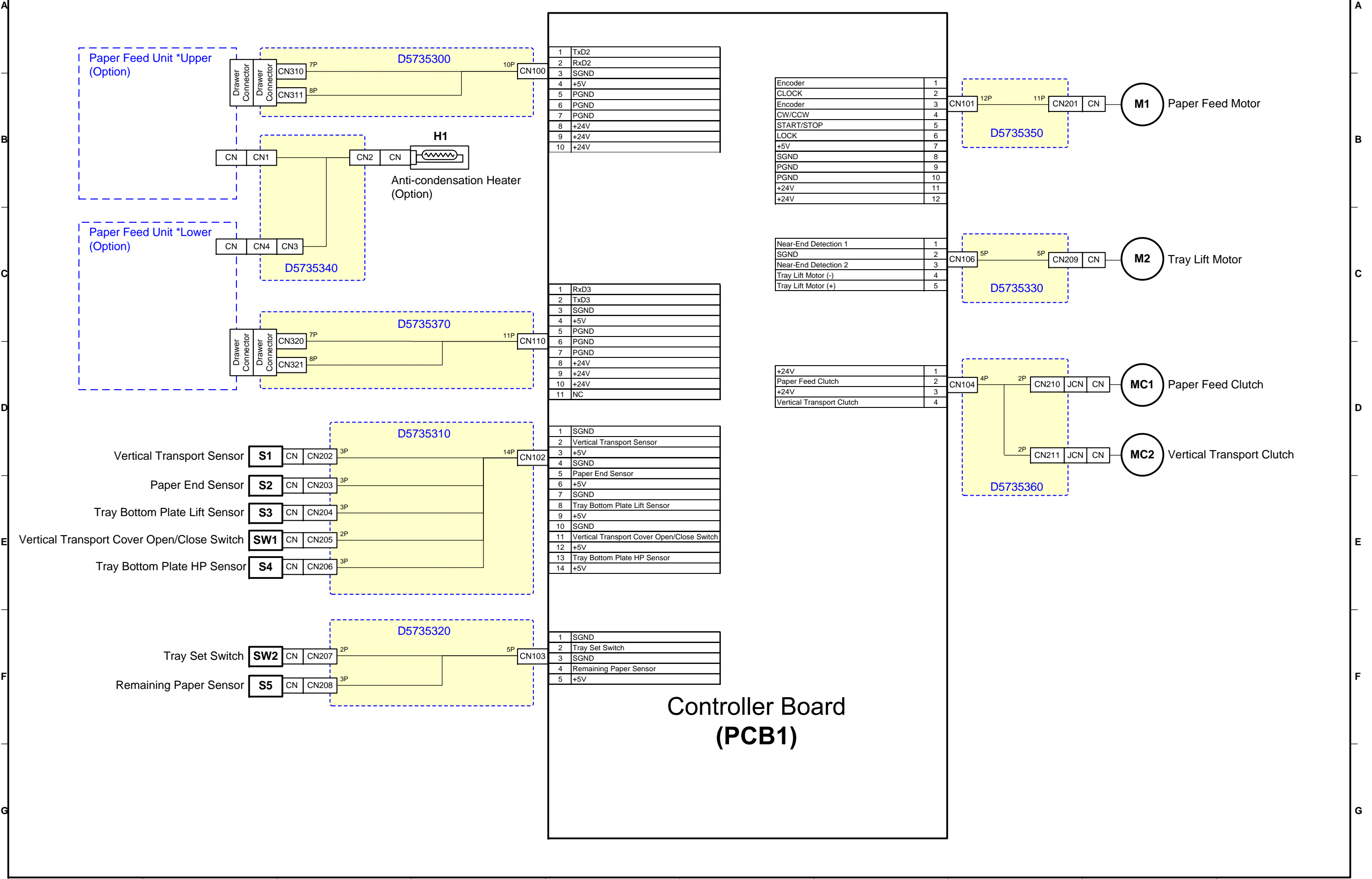
1 2 3 4 5 6 7 8 9 10

ELECTRICAL COMPONENT LAYOUT (D3BE)



Symbol	Index No.	Description	P to P
Sensors			
S1	4	ADF Cover Sensor	E8
S2	5	Original Set Sensor	E8
S3	1	ARDF Registration Sensor	F8
Motor			
M1	2	ARDF Drive Motor	C9
Solenoids			
SOL1	3	ARDF Pick-up Solenoid	D8
SOL2	6	ARDF Reverse Solenoid	D8
PCB			
PCB1	7	ADF Relay Board	B4

D573 (Paper Feed Unit) POINT TO POINT DIAGRAM



1	TxD2
2	RxD2
3	SGND
4	+5V
5	PGND
6	PGND
7	PGND
8	+24V
9	+24V
10	+24V

Encoder	1
CLOCK	2
Encoder	3
CW/CCW	4
START/STOP	5
LOCK	6
+5V	7
SGND	8
PGND	9
PGND	10
+24V	11
+24V	12

Near-End Detection 1	1
SGND	2
Near-End Detection 2	3
Tray Lift Motor (-)	4
Tray Lift Motor (+)	5

1	RxD3
2	TxD3
3	SGND
4	+5V
5	PGND
6	PGND
7	PGND
8	+24V
9	+24V
10	+24V
11	NC

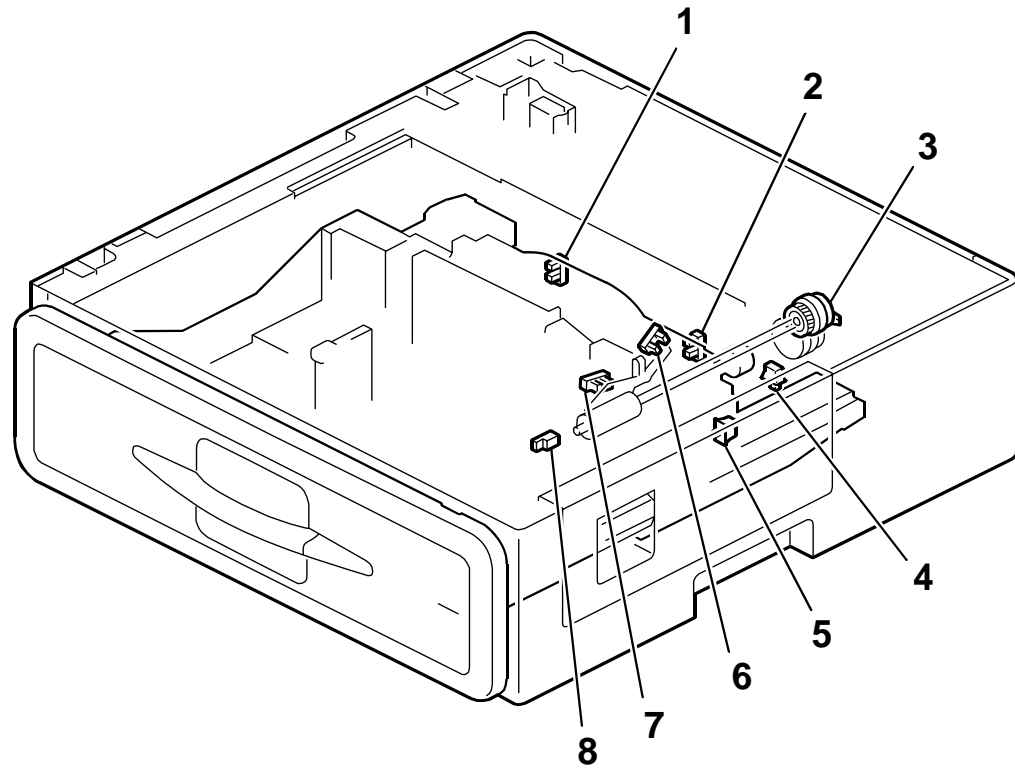
+24V	1
Paper Feed Clutch	2
+24V	3
Vertical Transport Clutch	4

1	SGND
2	Vertical Transport Sensor
3	+5V
4	SGND
5	Paper End Sensor
6	+5V
7	SGND
8	Tray Bottom Plate Lift Sensor
9	+5V
10	SGND
11	Vertical Transport Cover Open/Close Switch
12	+5V
13	Tray Bottom Plate HP Sensor
14	+5V

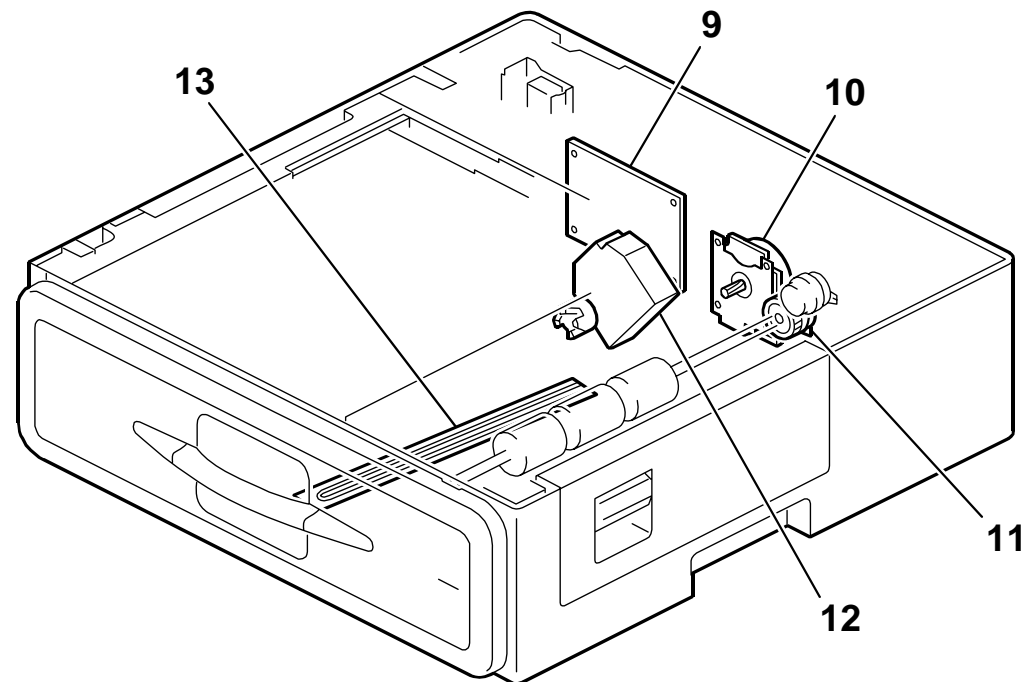
1	SGND
2	Tray Set Switch
3	SGND
4	Remaining Paper Sensor
5	+5V

Controller Board (PCB1)

ELECTRICAL COMPONENT LAYOUT (D573)



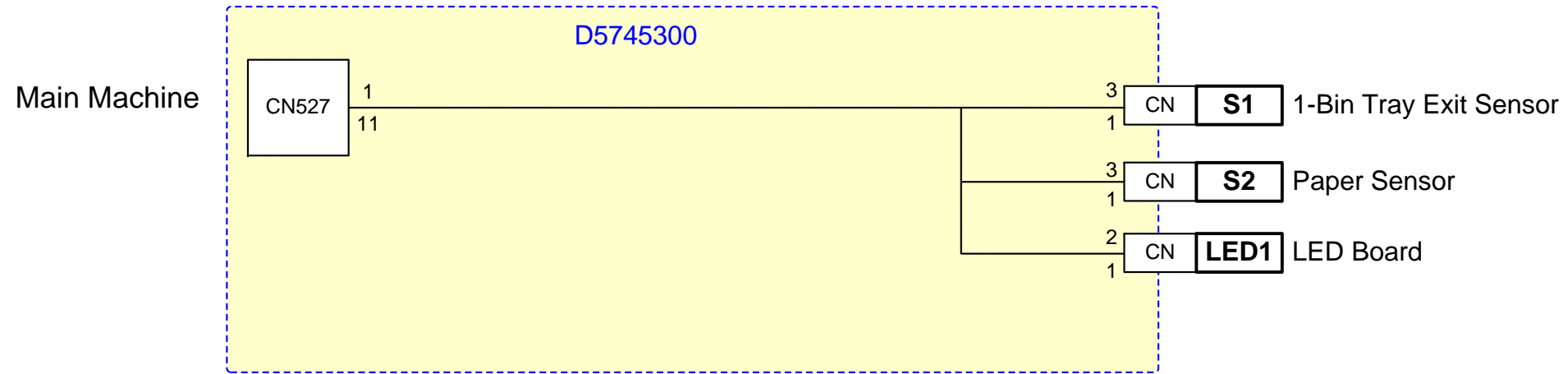
D573D104.Wmf



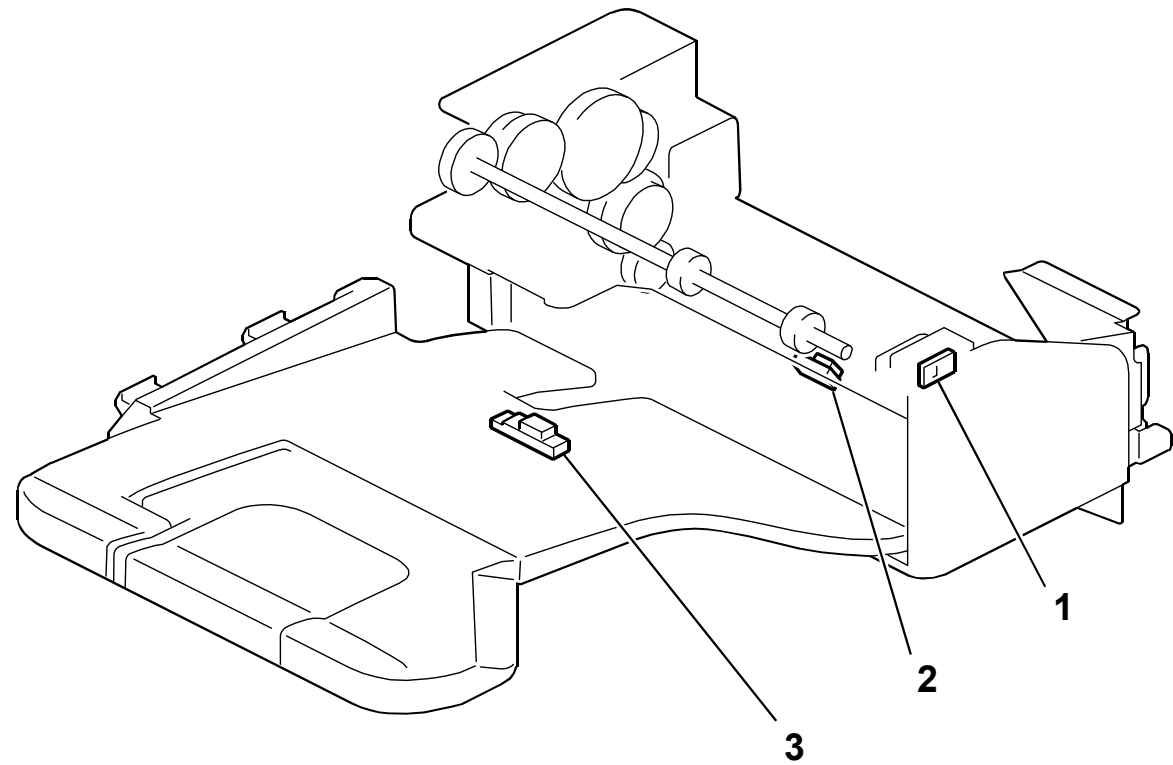
D573D103.Wmf

Symbol	Index No.	Description	P to P
Sensors			
S1	8	Vertical Transport Sensor	D2
S2	6	Paper End Sensor	E2
S3	1	Tray Bottom Plate Lift Sensor	E2
S4	2	Tray Bottom Plate HP Sensor	E2
S5	7	Remaining Paper Sensor	F2
Switches			
SW1	4	Vertical Transport Cover Open/Close Switch	E2
SW2	5	Tray Set Switch	F2
PCB			
PCB1	9	Controller Board	F6
Motors			
M1	10	Paper Feed Motor	B9
M2	12	Tray Lift Motor	C9
Magnetic Clutches			
MC1	11	Paper Feed Clutch	D9
MC2	3	Vertical Transport Clutch	D9
Other			
H1	13	Anti-condensation Heater	B4

D574 (1Bin Tray) POINT TO POINT DIAGRAM



ELECTRICAL COMPONENT LAYOUT (D574)



Symbol	Index No.	Description	P to P
Sensors			
S1	2	ADF Cover Sensor	C7
S2	3	Original Set Sensor	C7
Other			
LED1	1	ADF Relay Board	D7