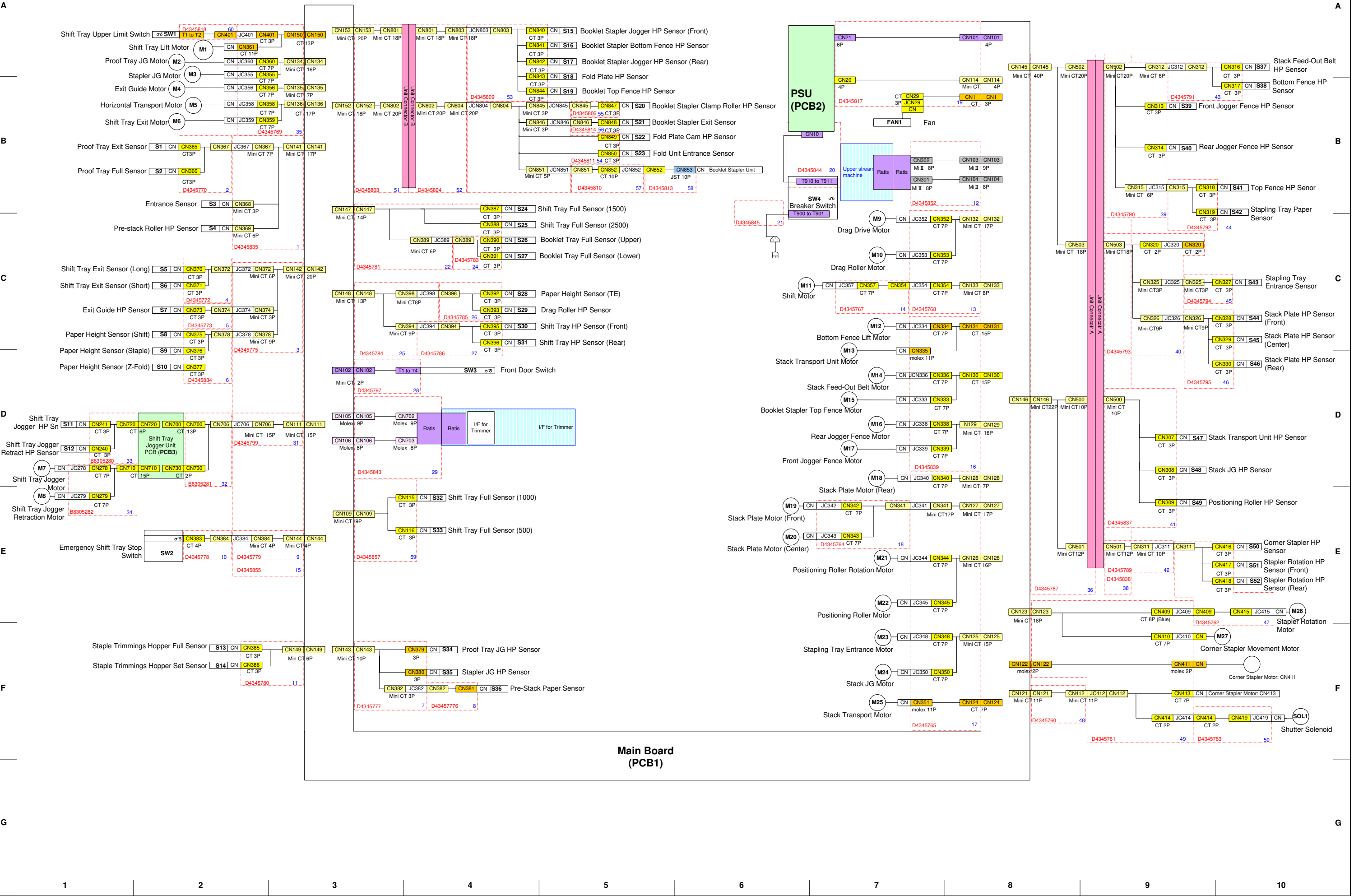
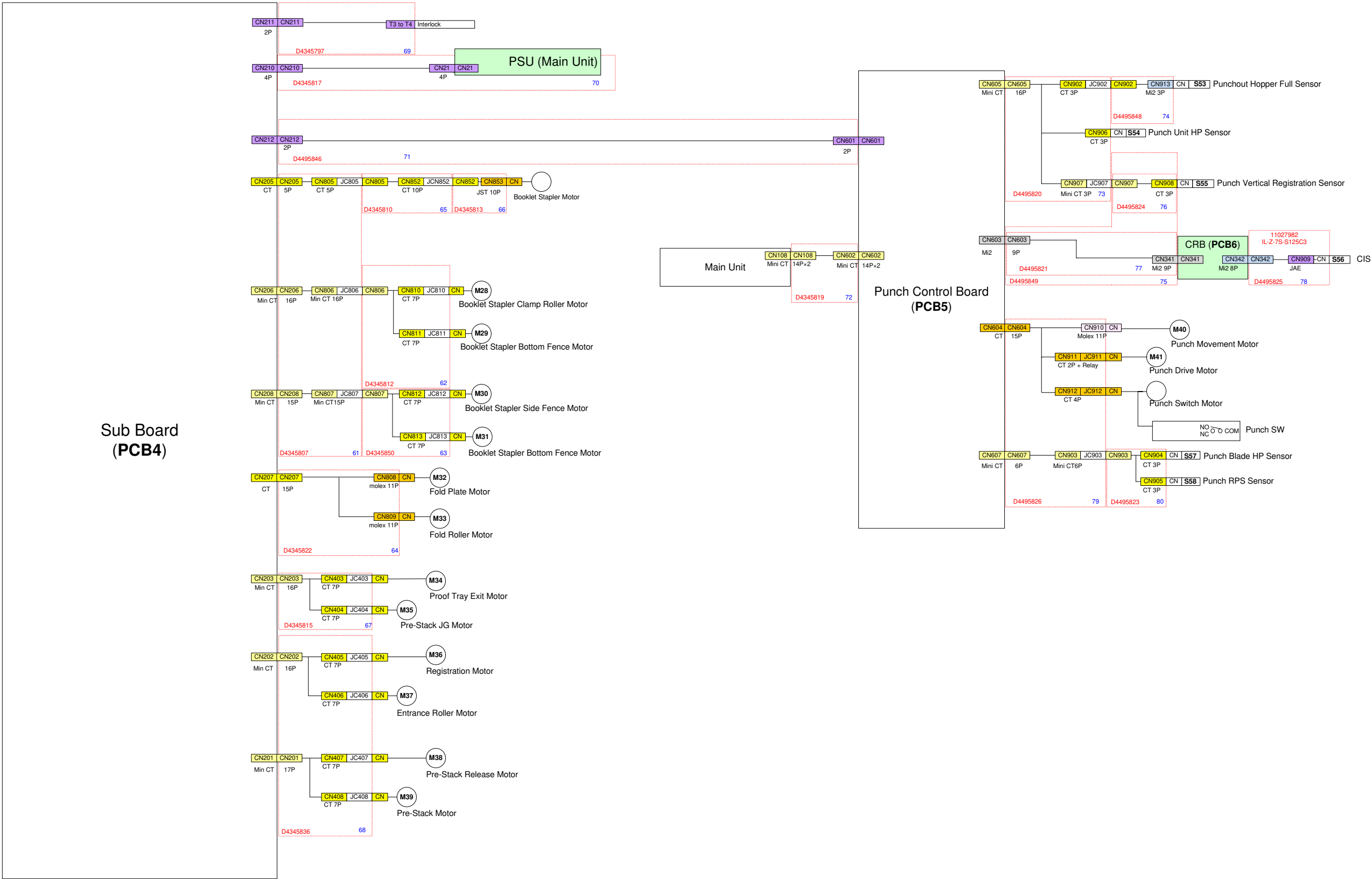


D434 POINT TO POINT DIAGRAM (1/2)



D434 POINT TO POINT DIAGRAM (2/2)



D434 ELECTRICAL COMPONENT LAYOUT (1/2)

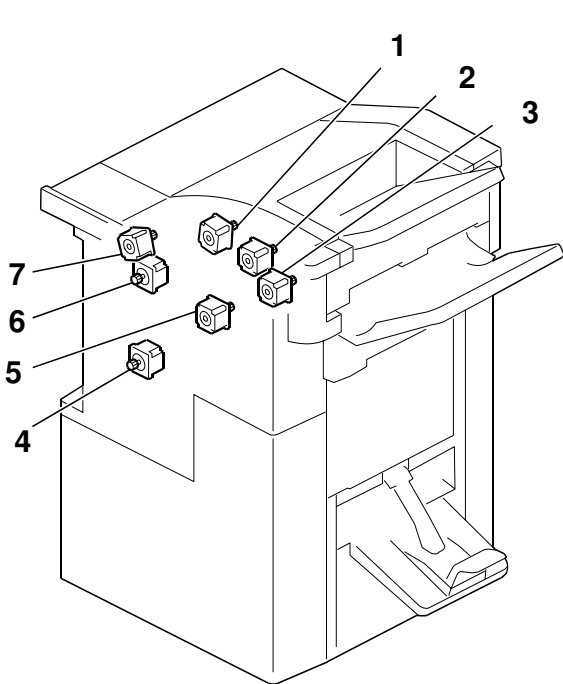


Fig.-1 d434d201

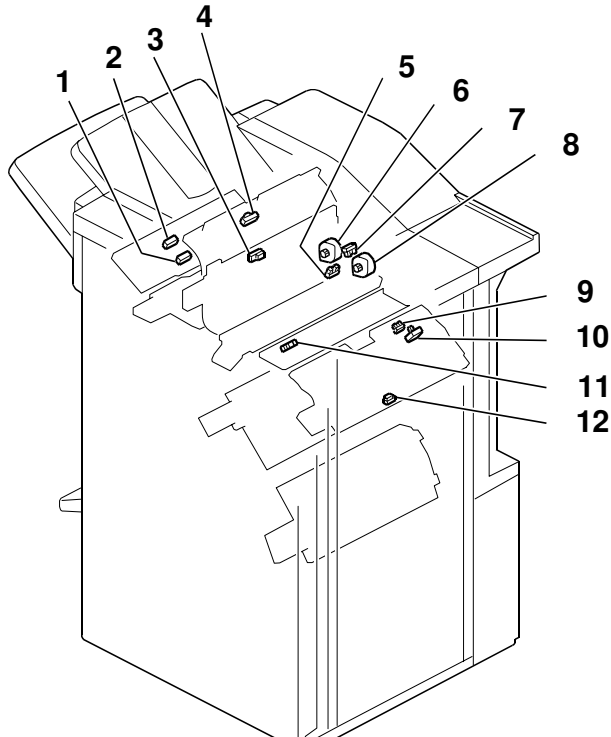


Fig.-2 d434d202

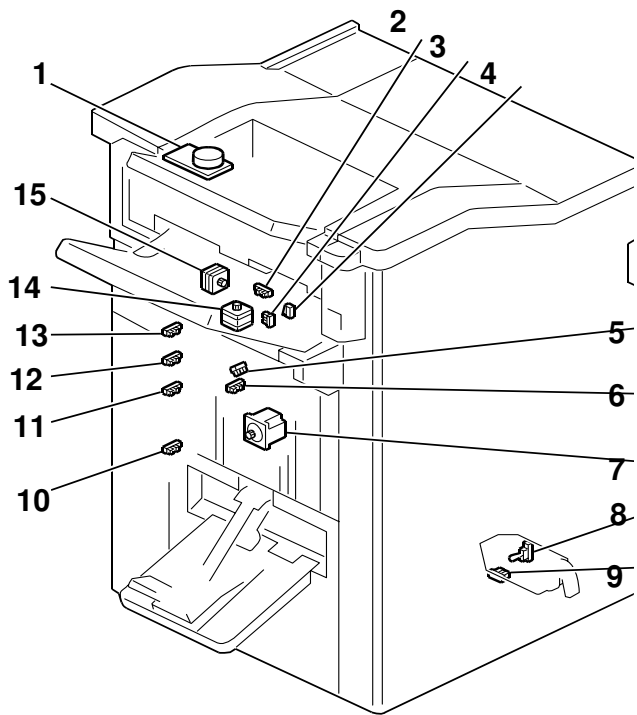


Fig.-3 d434d203

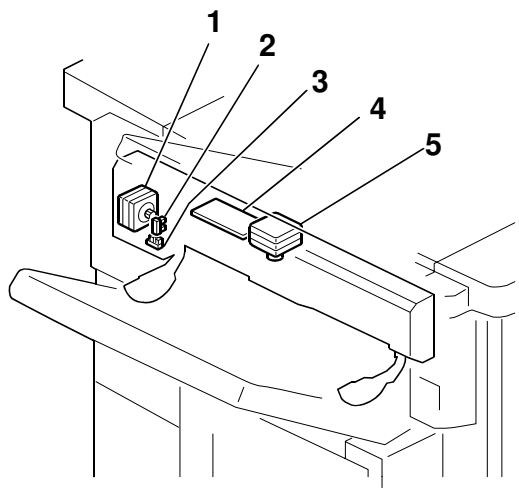


Fig.-4 d434d204

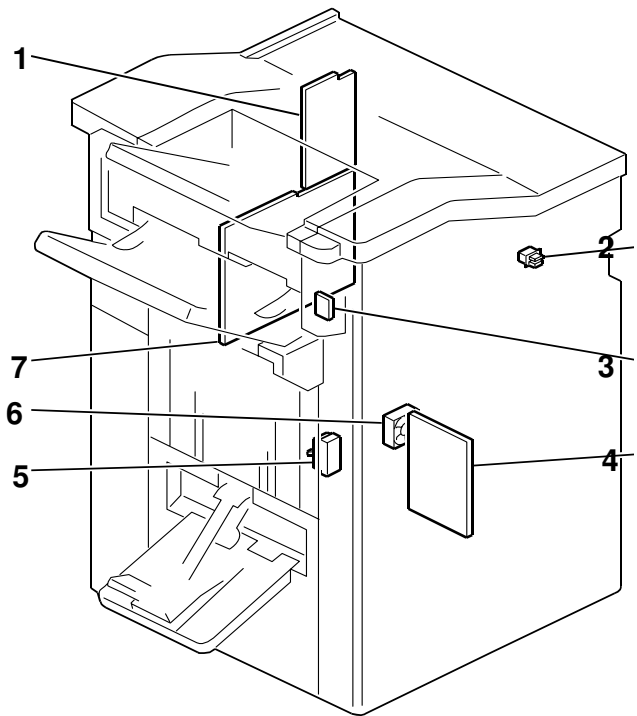


Fig.-5 d434d205

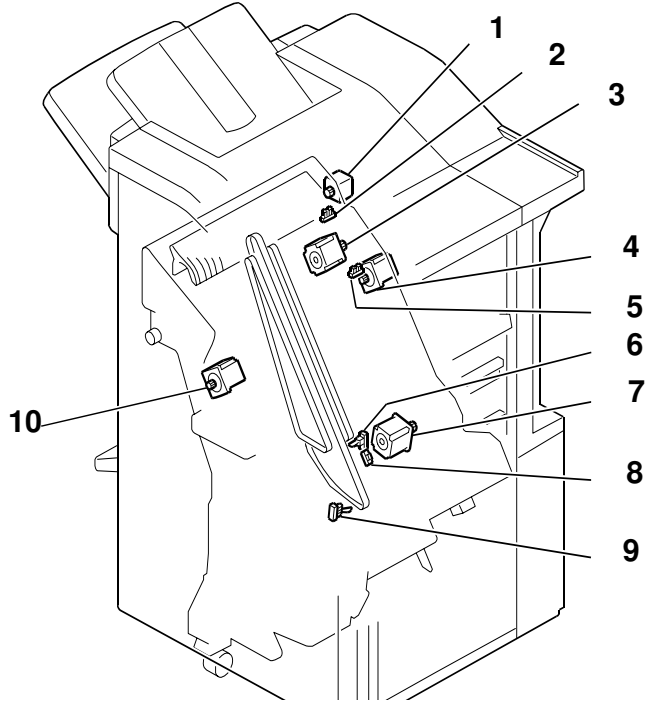


Fig.-6 d434d206

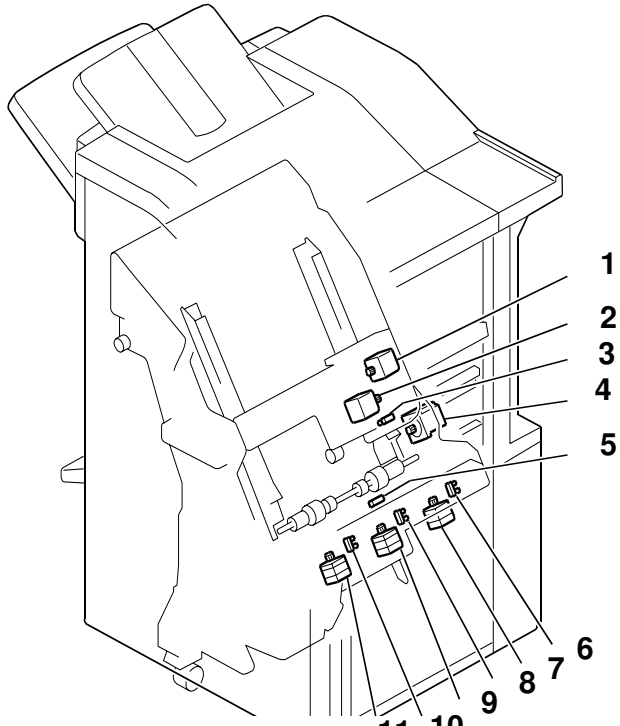


Fig.-7 d434d207

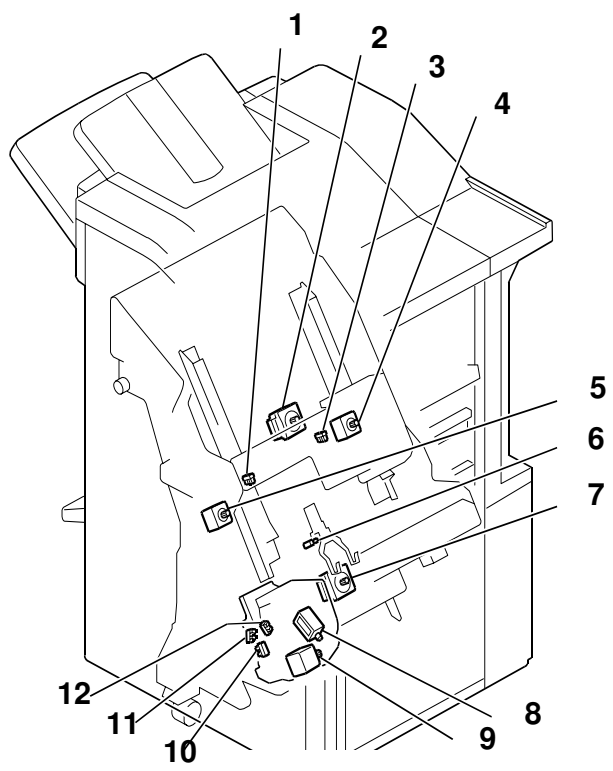


Fig.-8 d434d208

D434 ELECTRICAL COMPONENT LAYOUT (2/2)

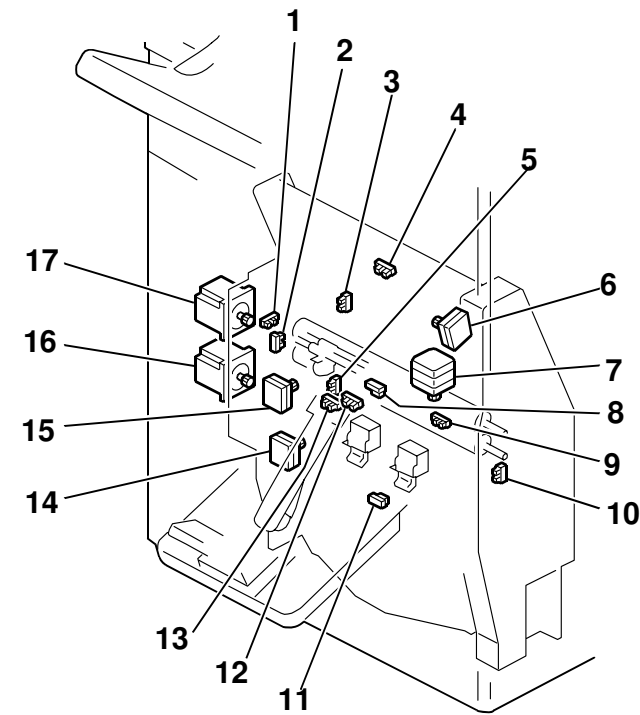


Fig.-9 d434d209

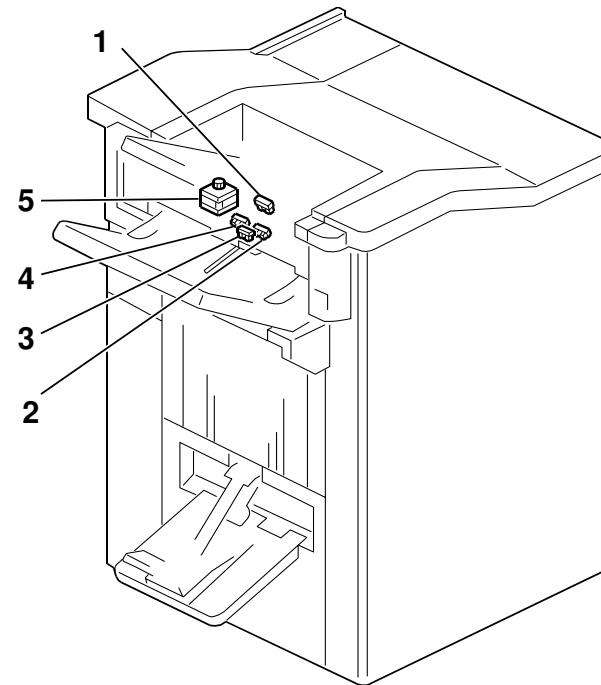


Fig.-10 d434d210

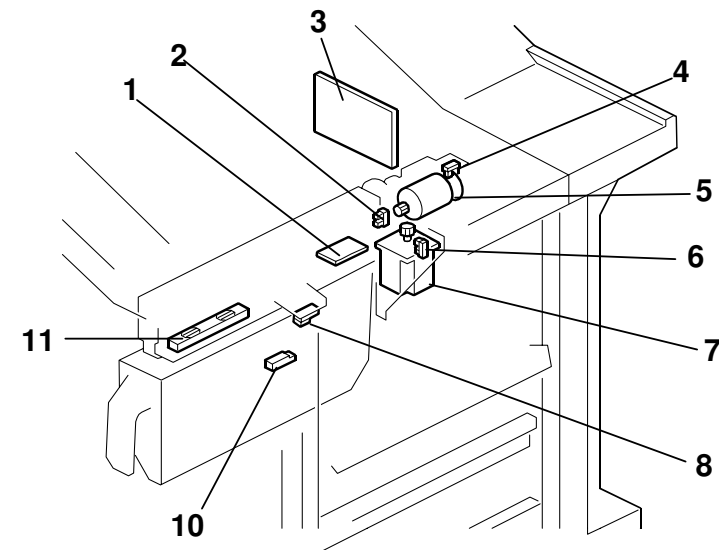


Fig.-11 d449d201

Symbol	Index No.	Description	P to P	Page
Motors				
M1	F3-1	Shift Tray Lift Motor	A2	1/2
M2	F2-6	Proof Tray JG Motor	A2	1/2
M3	F2-8	Stapler JG Motor	A2	1/2
M4	F10-5	Exit Guide Motor	B2	1/2
M5	F1-5	Horizontal Transport Motor	B2	1/2
M6	F1-3	Shift Tray Exit Motor	B2	1/2
M7	F4-5	Shift Tray Jogger Motor	D1	1/2
M8	F4-1	Shift Tray Jogger Retraction Motor	E1	1/2
M9	F3-14	Drag Drive Motor	C7	1/2
M10	F3-15	Drag Roller Motor	C7	1/2
M11	F3-7	Shift Motor	C7	1/2
M12	F8-2	Bottom Fence Lift Motor	C7	1/2
M13	F6-4	Stack Transport Unit Motor	D7	1/2
M14	F6-10	Stack Feed-Out Belt Motor	D7	1/2
M15	F6-7	Booklet Stapler Top Fence Motor	D7	1/2
M16	F8-4	Rear Jogger Fence Motor	D7	1/2
M17	F8-5	Front Jogger Fence Motor	D7	1/2
M18	F7-7	Stack Plate Motor (Rear)	D7	1/2
M19	F7-11	Stack Plate Motor (Front)	E7	1/2
M20	F7-9	Stack Plate Motor (Center)	E7	1/2
M21	F7-2	Positioning Roller Rotation Motor	E7	1/2
M22	F7-1	Positioning Roller Motor	E7	1/2
M23	F7-4	Stapling Tray Entrance Motor	F7	1/2
M24	F6-1	Stack JG Motor	F7	1/2
M25	F6-3	Stack Transport Motor	F7	1/2
M26	F8-9	Stapler Rotation Motor	E10	1/2
M27	F8-7	Corner Stapler Movement Motor	F10	1/2
M28	F9-7	Booklet Stapler Clamp Roller Motor	C4	2/2
M29	F9-6	Booklet Stapler Bottom Fence Motor	C4	2/2
M30	F9-15	Booklet Stapler Side Fence Motor	D4	2/2
M31	F9-14	Booklet Stapler Bottom Fence Motor	D4	2/2
M32	F9-16	Fold Plate Motor	D4	2/2
M33	F9-17	Fold Roller Motor	D4	2/2
M34	F1-2	Proof Tray Exit Motor	E4	2/2
M35	F1-1	Pre-Stack JG Motor	E4	2/2
M36	F1-7	Registration Motor	E4	2/2
M37	F1-6	Entrance Roller Motor	E4	2/2
M38	F2-10	Pre-Stack Release Motor	G4	2/2
M39	F1-4	Pre-Stack Motor	G4	2/2
M40	F11-7	Punch Movement Motor	C9	2/2
M41	F11-5	Punch Drive Motor	C9	2/2
PCBs				
PCB1	F5-7	Main Board	G5	1/2
PCB2	F4-4	Shift Tray Jogger Unit PCB	D2	1/2
PCB3	F5-4	PSU	B6	1/2
PCB4	F5-1	Sub Board	D2	2/2
PCB5	F11-3	Punch Control Board	C7	2/2
PCB6	F11-1	CRB	C9	2/2
Solenoid				
SOL1	F8-8	Shutter Solenoid	F10	1/2
Switches				
SW1	F3-4	Shift Tray Upper Limit Switch	A2	1/2
SW2	F5-3	Emergency Shift Tray Stop Switch	E2	1/2
SW3	F5-2	Front Door Switch	D4	1/2
SW4	F5-5	Breaker Switch	B7	1/2
Fan				
FAN1	F5-6	FAN1	B7	1/2

Symbol	Index No.	Description	P to P	Page
Sensors				
S1	F2-3	Proof Tray Exit Sensor	B2	1/2
S2	F2-4	Proof Tray Full Sensor	B2	1/2
S3	F2-12	Entrance Sensor	B2	1/2
S4	F2-9	Pre-stack Roller HP Sensor	C2	1/2
S5	F2-2	Shift Tray Exit Sensor (Long)	C2	1/2
S6	F2-1	Shift Tray Exit Sensor (Short)	C2	1/2
S7	F10-1	Exit Guide HP Sensor	C2	1/2
S8	F10-2	Paper Height Sensor (Shift)	C2	1/2
S9	F10-3	Paper Height Sensor (Staple)	D2	1/2
S10	F10-4	Paper Height Sensor (Z-Fold)	D2	1/2
S11	F4-2	Shift Tray Jogger HP Sensor	D2	1/2
S12	F4-3	Shift Jogger Fence Retract HP Sensor	D2	1/2
S13	F3-9	Staple Trimmings Hopper Full Sensor	F2	1/2
S14	F3-8	Staple Trimmings Hopper Set Sensor	F2	1/2
S15	F9-10	Booklet Stapler Jogger HP Sensor	A5	1/2
S16	F9-11	Booklet Stapler Bottom Fence HP	A5	1/2
S17	F9-5	Booklet Stapler Jogger HP Sensor	A5	1/2
S18	F9-3	Fold Plate HP Sensor	A5	1/2
S19	F9-4	Booklet Top Fence HP Sensor	B5	1/2
S20	F9-2	Booklet Stapler Clamp Roller HP Sensor	B5	1/2
S21	F9-8	Booklet Stapler Exit Sensor	B5	1/2
S22	F9-1	Fold Plate Cam HP Sensor	B5	1/2
S23	F9-9	Fold Unit Entrance Sensor	B5	1/2
S24	F3-11	Shift Tray Full Sensor (1500)	B5	1/2
S25	F3-10	Shift Tray Full Sensor (2500)	B5	1/2
S26	F9-12	Booklet Tray Full Sensor (Upper)	C4	1/2
S27	F9-13	Booklet Tray Full Sensor (Lower)	C4	1/2
S28	F3-2	Paper Height Sensor (TE)	C4	1/2
S29	F3-3	Drag Roller HP Sensor	C4	1/2
S30	F3-6	Shift Tray HP Sensor (Front)	C4	1/2
S31	F3-5	Shift Tray HP Sensor (Rear)	C4	1/2
S32	F3-12	Shift Tray Full Sensor (1000)	E4	1/2
S33	F3-13	Shift Tray Full Sensor (500)	E4	1/2
S34	F2-7	Proof Tray JG HP Sensor	F4	1/2
S35	F2-5	Stapler JG HP Sensor	F4	1/2
S36	F2-11	Pre-Stack Paper Sensor	F4	1/2
S37	F6-9	Stack Feed-Out Belt HP Sensor	A10	1/2
S38	F8-6	Bottom Fence HP Sensor	B10	1/2
S39	F8-1	Front Jogger Fence HP Sensor	B9	1/2
S40	F8-3	Rear Jogger Fence HP Sensor	B9	1/2
S41	F6-6	Top Fence HP Sensor	B10	1/2
S42	F6-8	Stapling Tray Paper Sensor	B10	1/2
S43	F7-5	Stapling Tray Entrance Sensor	C10	1/2
S44	F7-10	Stack Plate HP Sensor (Front)	C10	1/2
S45	F7-8	Stack Plate HP Sensor (Center)	C10	1/2
S46	F7-6	Stack Plate HP Sensor (Rear)	D10	1/2
S47	F6-5	Stack Transport Unit HP Sensor	D9	1/2
S48	F6-2	Stack JG HP Sensor	D9	1/2
S49	F7-3	Positioning Roller HP Sensor	E9	1/2
S50	F8-10	Corner Stapler HP Sensor	E10	1/2
S51	F8-11	Stapler Rotation HP Sensor (Front)	E10	1/2
S52	F8-12	Stapler Rotation HP Sensor (Rear)	E10	1/2
S53	F11-11	Punchout Hopper Full Sensor	B9	2/2
S54	F11-6	Punch Unit HP Sensor	B8	2/2
S55	F11-8	Punch Vertical Registration Sensor	B9	2/2
S56	F11-11	CIS	C10	2/2
S57	F11-2	Punch Blade HP Sensor	D9	2/2
S58	F11-4	Punch RPS Sensor	D9	2/2

Harness No.	P/N		CN (FROM)			Signal Information				Relay Harness P/N	CN (To)		
			No.	From	Pin No.	Signal	Direction	L	H		No.	To	Pin No.
1	D4345835		CN141	MAIN	1	GND2	-	-	-	D4345770	CN367	-	7
					2	Proof Tray Exit Sensor	←	No paper	Paper				6
					3	5V	-	-	-				5
					4	GND2	-	-	-				3
					5	Proof Tray Full Sensor	←	No paper	Paper				2
					6	5V	-	-	-				1
					7	N.C	-	-	-	-	CN368	Entrance Sensor	-
					8	GND2	-	-	-				3
					9	Entrance Sensor	←	No paper	Paper				2
					10	5V	-	-	-	-	CN369	Pre-stack Roller HP Sensor	1
					11	GND2	-	-	-				3
					12	Pre-stack Roller HP Sensor	←	No paper	Paper				2
					13	5V	-	-	-				1
2	D4345770		CN367	MAIN	1	GND2	-	-	-	-	CN365	Proof Tray Exit Sensor	3
					2	Proof Tray Exit Sensor	←	No paper	Paper				2
					3	5V	-	-	-				1
					4	N.C	-	-	-				-
					5	GND2	-	-	-		CN366	Proof Tray Full Sensor	3
					6	Proof Tray Full Sensor	←	No paper	Paper				2
					7	5V	-	-	-				1
3	D4345775		CN142	MAIN	1	GND2	-	-	-	D4345772	CN372	-	6
					2	Shift Tray Exit Sensor (Long)	←	No paper	Paper				5
					3	5V	-	-	-				4
					4	GND2	-	-	-				3
					5	Shift Tray Exit Sensor (Short)	←	No paper	Paper				2
					6	5V	-	-	-				1
					7	N.C	-	-	-	D4345773	CN374	-	-
					8	GND2	-	-	-				3
					9	Exit Guide HP Sensor	←	No HP	HP				2
					10	5V	-	-	-				1
					11	N.C	-	-	-	D4345834	CN378	-	-
					12	GND2	-	-	-				9
					13	Paper Height Sensor (Shift)	←	No height	Height				8
					14	5V	-	-	-				7
					15	GND2	-	-	-				6
					16	Paper Height Sensor (Staple)	←	No height	Height				5
					17	5V	-	-	-				4
					18	GND2	-	-	-				3
					19	Paper Height Sensor (Z-Fold)	←	No height	Height				2
					20	5V	-	-	-				1
4	D4345772		CN372	D4345775	1	GND2	-	-	-	-	CN370	Shift Tray Exit Sensor	3
					2	Shift Tray Exit Sensor (Long)	←	No paper	Paper				2
					3	5V	-	-	-				1
					4	GND2	-	-	-	-	CN371	Shift Tray Exit Sensor	3
					5	Shift Tray Exit Sensor (Short)	←	No paper	Paper				2
5	D4345773		CN374	D4345775	6	5V	-	-	-	-	CN373	Exit Guide HP Sensor	1
					1	GND2	-	-	-				3
					2	Exit Guide HP Sensor	←	No HP	HP				2
6	D4345834		CN378	D4345775	3	5V	-	-	-	-	CN375	Paper Height Sensor	1
					1	GND2	-	-	-				3
					2	Paper Height Sensor (Shift)	←	No height	Height				2
					4	GND2	-	-	-	-	CN376	Paper Height Sensor	3
					5	Paper Height Sensor (Staple)	←	No height	Height				2
					6	5V	-	-	-				1
					7	GND2	-	-	-	-	CN377	Paper Height Sensor (Z-Fold)	3
					8	Paper Height Sensor (Z-Fold)	←	No height	Height				2
					9	5V	-	-	-				1
7	D4345777		CN143	MAIN	1	GND2	-	-	-	-	CN379	Proof Tray JG HP Sensor	3
					2	Proof Tray JG HP Sensor	←	No H.P	H.P				2
					3	5V	-	-	-				1
					4	GND2	-	-	-	-	CN380	Stapler JG HP Sensor	3
					5	Stapler JG HP Sensor	←	No H.P	H.P				2
					6	5V	-	-	-				1
					7	N.C	-	-	-				-
					8	GND2	-	-	-	D4345776	CN382	-	3
					9	Pre-Stack Paper Sensor	←	No paper	Paper				2
					10	5V	-	-	-				1
8	D4345776		CN382	MAIN	1	GND2	-	-	-	-	CN381	Pre-Stack Paper Sensor	3
					2	Pre-Stack Paper Sensor	←	No paper	Paper				2
					3	5V	-	-	-				1
9	D4345779		CN144	MAIN	1	5V	-	-	-	D4345778	CN384	-	4
					2	STOP_LED	→	OFF	Lit				3
					3	STOP_SW	←	OFF	ON				2
					4	GND2	-	-	-				1
10	D4345778		CN384	D4345779	1	5V	-	-	-	-	CN383	Emergency Shift Tray Stop Switch	4
					2	STOP_LED	→	OFF	Lit				3
					3	STOP_SW	←	OFF	ON				2
					4	GND2	-	-	-				1
11	D4345780		CN149	MAIN	1	GND2	-	-	-	-	CN385	Staple Trimmings Hopper	3
					2	Staple Hopper Full Sensor	←	-	Full				2
					3	5V	-	-	-				1
					4	GND2	-	-	-	-	CN386	Staple Trimmings Hopper	3
					5	Staple Hopper Set Sensor	←	Not set	Set				2
					6	5V	-	-	-				1
12	D4345852		CN103	MAIN	1	N.C	-	-	-	-	CN302	Lattice Connector	-
					2	24V_PPC	-	-	-				8
					3	24V_PPC	-	-	-				7
					4	24V_PPC	-	-	-				6
					6	24V_PPC	-	-	-				5
					6	GND_PPC	-	-	-				4
					7	GND_PPC	-	-	-				3
					8	GND_PPC	-	-	-				2
			CN104	MAIN	9	GND_PPC	-	-	-	-	CN301	Lattice Connector	1
					1	GNDIO	-	-	-				-
					2	GNDIO	-	-	-				8
					3	5VIF	-	-	-				7
					4	5VIF	-	-	-				6
					5	RXD (to FIN)	←	-	-				5
					6	N.C	-	-	-				4
					7	TXD (from FIN)	→	-	-				3
					8	N.C	-	-	-				2

Harness No.	P/N		CN (FROM)			Signal Information				Relay Harness P/N	CN (To)		
			No.	From	Pin No.	Signal	Direction	L	H		No.	To	Pin No.
13	D4345768		CN132	MAIN	1	24V	-	-	-	-	CN352	Drag Drive Motor	7
					2	24V	-	-	-				6
					3	N.C	-	-	-				5
					4	Drag Drive Motor A	→	OFF	ON				4
					5	Drag Drive Motor AB	→	OFF	ON				3
					6	Drag Drive Motor B	→	OFF	ON				2
					7	Drag Drive Motor BB	→	OFF	ON				1
					8	N.C	-	-	-		-	-	-
					9	N.C	-	-	-		-	-	-
					10	24V	-	-	-		CN353	Drag Roller Motor	7
					11	24V	-	-	-				6
					12	N-C	-	-	-				5
					13	Drag Roller Motor A	→	OFF	ON				4
					14	Drag Roller Motor AB	→	OFF	ON				3
					15	Drag Roller Motor B	→	OFF	ON				2
					16	Drag Roller Motor BB	→	OFF	ON				1
					17	N.C	-	-	-		-	-	-
			CN133	MAIN	1	24V	-	-	-	D4345767	CN354	-	7
					2	24V	-	-	-				6
					3	N.C	-	-	-				5
					4	Shift Motor A	→	OFF	ON				4
					5	Shift Motor AB	→	OFF	ON				3
					6	Shift Motor B	→	OFF	ON				2
					7	Shift Motor BB	→	OFF	ON				1
					8	N.C	-	-	-		-	-	-
14	D4345767		CN354	D434768	1	24V	-	-	-	-	CN357	Shift Motor	7
					2	24V	-	-	-				6
					3	N.C	-	-	-				5
					4	Shift Motor A	→	OFF	ON				4
					5	Shift Motor AB	→	OFF	ON				3
					6	Shift Motor B	→	OFF	ON				2
					7	Shift Motor BB	→	OFF	ON				1
						N.C	-	-	-		-	-	-
15	D4345855	D4345799	CN111	MAIN	1	24V	-	-	-	-	CN305	B8305281	15
					2	GND1	-	-	-				14
					3	5V	-	-	-				13
					4	GND2	-	-	-				12
					5	Shift Tray Jogger Motor CLK	→	-	-				11
					6	Shift Tray Jogger Motor CW	→	P	P				10
					7	Shift Tray Jogger Motor ON	→	P	P				9
					8	Shift Tray Jogger Retraction Motor CLK	→	-	-				8
					9	Shift Tray Jogger Retraction Motor CW	→	P	P				7
					10	Shift Tray Jogger Retraction Motor ON	→	P	P				6
					11	Shift Tray Jogger HP Sn	→	No H.P	H.P				5
					12	Shift Tray Jogger Retract HP Sensor	→	No H.P	H.P				4
					13	Shift Tray Jogger Unit Detect	→	No detect	Detect				3
					14	Shift Tray Jogger Unit EN	←	-	-				2
					15	GND2	-	-	-				1
		D4345775	CN142	MAIN	1	GND2	-	-	-	-	CN372	D4345772	6
					2	Shift Tray Exit Sensor (Long)	←	No paper	Paper				5
					3	5V	-	-	-				4
					4	GND2	-	-	-				3
					5	Shift Tray Exit Sensor (Short)	←	No paper	Paper				2
					6	5V	-	-	-	-	CN374	D4345773	1
					7	N.C	-	-	-				-
					8	GND2	-	-	-				3
					9	Exit Guide HP Sensor	←	No HP	HP				2
					10	5V	-	-	-				1
					11	N.C	-	-	-	-	CN378	D4345834	-
					12	GND2	-	-	-				9
					13	Paper Height Sensor (Shift)	←	No height	Height				8
					14	5V	-	-	-				7
					15	GND2	-	-	-				6
					16	Paper Height Sensor (Staple)	←	No height	Height				5
					17	5V	-	-	-				4
					18	GND2	-	-	-				3
					19	Paper Height Sensor (Z-Fold)	←	No height	Height				2
					20	5V	-	-	-				1
		D4345779	CN144	MAIN	1	5V	-	-	-	-	CN384	D4345778	4
					2	STOP_LED	→	OFF	Lit				3
					3	STOP_SW	←	OFF	ON				2
					4	GND2	-	-	-				1

Harness No.	P/N	CN (FROM)			Signal Information				Relay Harness P/N	CN (To)			
		No.	From	Pin No.	Signal	Direction	L	H		No.	To	Pin No.	
16	D4345839	CN131	MAIN	1	24VSW1	-	-	-	-	CN334	Bottom Fence Lift Motor	7	
				2	24VSW1	-	-	-				6	
				3	N.C	-	-	-				5	
				4	Stack Transport Unit Motor A	→	OFF	ON	-	CN334	Bottom Fence Lift Motor	4	
				5	Stack Transport Unit Motor AB	→	OFF	ON				3	
				6	Stack Transport Unit Motor B相	→	OFF	ON				2	
				7	Stack Transport Unit Motor BB	→	OFF	ON	-	-	-	1	
				8	N.C	-	-	-				-	
				9	24VSW1	-	-	-	-	CN335	Stack Transport Unit Motor	3	
				10	24VSW1	-	-	-				9	
				11	N.C	-	-	-				-	
				12	Stack Transport Unit Motor A	→	OFF	ON	-	CN335	Stack Transport Unit Motor	1	
				13	Stack Transport Unit Motor AB	→	OFF	ON				5	
				14	Stack Transport Unit Motor B	→	OFF	ON				7	
				15	Stack Transport Unit Motor BB	→	OFF	ON	-	CN336	Stack Feed-Out Belt Motor	11	
		1	24VSW1	-	-	-	-	CN336				Stack Feed-Out Belt Motor	7
		2	24VSW1	-	-	-							6
		3	N.C	-	-	-							5
		4	Stack Feed-Out Belt Motor A	→	OFF	ON	-	CN336	Stack Feed-Out Belt Motor	4			
		5	Stack Feed-Out Belt Motor AB	→	OFF	ON				3			
		6	Stack Feed-Out Belt Motor B	→	OFF	ON				2			
		7	Stack Feed-Out Belt Motor BB	→	OFF	ON	-	-	-	1			
		8	N.C	-	-	-				-			
		9	24VSW1	-	-	-	-	CN333	Booklet Stapler Top Fence Motor	7			
		10	24VSW1	-	-	-				6			
		11	N.C	-	-	-				5			
		12	Booklet Stapler Top Fence Motor A	→	OFF	ON	-	CN333	Booklet Stapler Top Fence Motor	4			
		13	Booklet Stapler Top Fence Motor AB	→	OFF	ON				3			
		14	Booklet Stapler Top Fence Motor B	→	OFF	ON				2			
		15	Booklet Stapler Top Fence Motor BB	→	OFF	ON	-	CN338	Rear Jogger Fence Motor	1			
		1	24VSW1	-	-	-				-	CN338	Rear Jogger Fence Motor	7
		2	24VSW1	-	-	-							6
		3	N.C	-	-	-							5
		4	Rear Jogger Fence Motor A	→	OFF	ON	-	CN338	Rear Jogger Fence Motor	4			
		5	Rear Jogger Fence Motor AB	→	OFF	ON				3			
		6	Rear Jogger Fence Motor B	→	OFF	ON				2			
		7	Rear Jogger Fence Motor BB	→	OFF	ON	-	-	-	1			
		8	N.C	-	-	-				-			
		9	N.C	-	-	-	-	CM339	Front Jogger Fence Motor	-			
		10	24VSW1	-	-	-				7			
		11	24VSW1	-	-	-				6			
		12	N.C	-	-	-	-	CM339	Front Jogger Fence Motor	5			
		13	Front Jogger Fence Motor A	→	OFF	ON				4			
		14	Front Jogger Fence Motor AB	→	OFF	ON				3			
		15	Front Jogger Fence Motor B	→	OFF	ON				2			
						16	Front Jogger Fence Motor BB	→	OFF	ON			

Harness No.	P/N	CN (FROM)			Signal Information				Relay Harness P/N	CN (To)		
		No.	From	Pin No.	Signal	Direction	L	H		No.	To	Pin No.
17	D4345765	CN128	MAIN	1	24VSW1	-	-	-	-	CN340	Stack Plate Motor (Rear)	7
				2	24VSW1	-	-	-				5
				3	N.C	-	-	-				6
				4	Stack Plate Motor (Rear) A	→	OFF	ON				4
				5	Stack Plate Motor (Rear) AB	→	OFF	ON				3
				6	Stack Plate Motor (Rear) B	→	OFF	ON				2
				7	Stack Plate Motor (Rear) BB	→	OFF	ON				1
		CN127	MAIN	1	24VSW1	-	-	-	D4345764	CN341	-	17
				2	24VSW1	-	-	-				16
				3	N.C	-	-	-				15
				4	Stack Plate Motor (Front) A	→	OFF	ON				14
				5	Stack Plate Motor (Front) AB	→	OFF	ON				13
				6	Stack Plate Motor (Front) B	→	OFF	ON				12
				7	Stack Plate Motor (Front) BB	→	OFF	ON				11
				8	N.C	-	-	-				10
				9	24VSW1	-	-	-				9
				10	24VSW1	-	-	-				8
				11	N.C	-	-	-				7
				12	Stack Plate Motor (Center) A	→	OFF	ON				6
				13	Stack Plate Motor (Center) AB	→	OFF	ON				5
				14	Stack Plate Motor (Center) B	→	OFF	ON				4
				15	Stack Plate Motor (Center) BB	→	OFF	ON				3
				16	N.C	-	-	-				2
				17	N.C	-	-	-				1
		CN126	MAIN	1	24VSW1	-	-	-	-	CN344	Positioning Roller Rotation Motor	7
				2	24VSW1	-	-	-				6
				3	N.C	-	-	-				5
				4	Positioning Roller Rotation Motor A	→	OFF	ON				4
				5	Positioning Roller Rotation Motor AB	→	OFF	ON				3
				6	Positioning Roller Rotation Motor B	→	OFF	ON				2
				7	Positioning Roller Rotation Motor BB	→	OFF	ON				1
				8	N.C	-	-	-		-	-	-
				9	24VSW1	-	-	-		CN345	Positioning Roller Motor	7
				10	24VSW1	-	-	-				6
				11	N.C	-	-	-				5
				12	Positioning Roller Motor A	→	OFF	ON				4
				13	Positioning Roller Motor AB	→	OFF	ON				3
				14	Positioning Roller Motor B	→	OFF	ON				2
				15	Positioning Roller Motor BC	→	OFF	ON				1
				16	N.C	-	-	-		-	-	-
		CN125	MAIN	1	24VSW1	-	-	-	-	CN348	Stapling Tray Entrance Motor	15
				2	24VSW1	-	-	-				14
				3	N.C	-	-	-				13
				4	Stapling Tray Entrance Motor A	→	OFF	ON				12
				5	Stapling Tray Entrance Motor AB	→	OFF	ON				11
				6	Stapling Tray Entrance Motor B	→	OFF	ON				10
				7	Stapling Tray Entrance Motor BB	→	OFF	ON				9
				8	N.C	-	-	-		-	-	8
				9	24VSW1	-	-	-		CN350	Stack JG Motor	7
				10	24VSW1	-	-	-				6
				11	N.C	-	-	-				5
				12	Stack JG Motor A	→	OFF	ON				4
				13	Stack JG Motor AB	→	OFF	ON				3
				14	Stack JG Motor B	→	OFF	ON				2
				15	Stack JG Motor BC	→	OFF	ON				1
		CN124	MAIN	1	24VSW1	-	-	-	-	CN351	Stack Transport Motor	7
				2	24VSW1	-	-	-				6
				3	N.C	-	-	-				5
				4	Stack Transport Motor A	→	OFF	ON				4
				5	Stack Transport Motor AB	→	OFF	ON				3
				6	Stack Transport Motor B	→	OFF	ON				2
				7	Stack Transport Motor BB	→	OFF	ON				1
18	D4345764	CN341	D4345765	1	24VSW1	-	-	-	-	CN342	Stack Plate Motor (Front)	17
				2	24VSW1	-	-	-				16
				3	N.C	-	-	-				15
				4	Stack Plate Motor (Front) A	→	OFF	ON				14
				5	Stack Plate Motor (Front) AB	→	OFF	ON				13
				6	Stack Plate Motor (Front) B	→	OFF	ON				12
				7	Stack Plate Motor (Front) BB	→	OFF	ON				11
				8	N.C	-	-	-		-	-	10
				9	24VSW1	-	-	-		CN343	Stack Plate Motor (Center)	9
				10	24VSW1	-	-	-				8
				11	N.C	-	-	-				7
				12	Stack Plate Motor (Center) A	→	OFF	ON				6
				13	Stack Plate Motor (Center) AB	→	OFF	ON				5
				14	Stack Plate Motor (Center) B	→	OFF	ON				4
				15	Stack Plate Motor (Center) BB	→	OFF	ON				3
				16	N.C	-	-	-		-	-	2
				17	N.C	-	-	-		-	-	1
19	D4345817	CN101	MAIN	1	24V	-	-	-	-	CN21	PSU	1
				2	N.C	-	-	-				2
				3	N.C	-	-	-				3
				4	GND1	-	-	-				4
		CN210	Sub_PCB	1	Sub_24V	-	-	-	-	CN21	PSU	3
				4	Sub_GND	-	-	-				6
		CN114	MAIN	4	FAN_ON	-	-	-	-	CN20	PSU	1
				3	GND2	-	-	-				2
				2	FAN_DETECT	←	Stop	Rotate				3
				1	24V_Enable	→	OFF	ON				4
		CN29	FAN	1	24V	-	-	-	-	CN1	MAIN	3
				2	FAN_DETECT	→	Stop	Rotate				2
				3	GND1	-	-	-				1
20	D4345844	CN10	PSU	1	LINE	-	-	-	-	T910	Breaker	-
				2	Neutral	-	-	-		T911		-
21	D4345845	T900	Breaker	-	LINE	-	-	-	-	-	Inlet	-
		T901		-	Neutral	-	-	-	-	-		-

Harness No.	P/N	CN (FROM)			Signal Information				Relay Harness P/N	CN (To)		
		No.	From	Pin No.	Signal	Direction	L	H		No.	To	Pin No.
22	D4345781	CN147	MAIN	1	GND2	-	-	-	D4345782	CN387	Shift Tray Full Sensor	7
				2	Shift Tray Full Sensor	←	Not full	Full				6
				3	5V	-	-	-				5
				-	-	-	-	-		CN388	Shift Tray Full Sensor	4
				4	GND2	-	-	-				3
				5	Shift Tray Full Sensor	←	Not full	Full				2
				6	5V	-	-	-	D4345783	CN389	-	1
				7	N.C	-	-	-				-
				8	N.C	-	-	-				-
				9	GND2	-	-	-				6
				10	Booklet Tray Full Sensor (Upper)	←	Not full	Full				5
				11	5V	-	-	-				4
				12	GND2	-	-	-				3
				13	Booklet Tray Full Sensor (Lower)	←	Not full	Full				2
				14	5V	-	-	-				1
24	D4345883	CN389	D4345781	1	GND2	-	-	-	-	CN390	Booklet Tray Full Sensor	3
				2	Booklet Tray Full Sensor (Upper)	←	Not full	Full				2
				3	5V	-	-	-				1
				4	GND2	-	-	-		CN391	Booklet Tray Full Sensor	3
				5	Booklet Tray Full Sensor (Lower)	←	Not full	Full				2
				6	5V	-	-	-				1
25	D4345784	CN148	MAIN	1	GND2	-	-	-	D4345785	CN398	-	8
				2	Paper Height Sensor (TE)	←	No Height	Height				7
				3	5V	-	-	-				6
				-	N.C	-	-	-				5
				-	N.C	-	-	-				4
				4	GND2	-	-	-	D4345786	CN394	-	3
				5	Drag Roller HP Sensor	←	No HP	HP				2
				6	5V	-	-	-				1
				7	N.C	-	-	-				-
				8	GND2	-	-	-				9
				9	Shift Tray HP Sensor (Front)	←	No HP	HP				8
				10	5V	-	-	-				7
				-	N.C	-	-	-				6
				-	N.C	-	-	-				5
				-	N.C	-	-	-				4
				11	GND2	-	-	-				3
				12	Shift Tray HP Sensor (Rear)	←	No HP	HP				2
				13	5V	-	-	-				1
26	D4345785	CN398	D4345784	1	GND2	-	-	-	-	CN392	Shift Tray HP Sensor (Rear)	3
				2	Shift Tray HP Sensor (Rear)	←	No HP	HP				2
				3	5V	-	-	-				1
				4	N.C	-	-	-		CN393	Drag Roller HP Sensor	-
				5	N.C	-	-	-				-
				6	GND2	-	-	-				3
				7	Drag Roller HP Sensor	←	No HP	HP				2
27	D4345786	CN394	D4345784	8	5V	-	-	-	-	CN395	Shift Tray HP Sensor (Front)	1
				1	GND2	-	-	-				3
				2	Shift Tray HP Sensor (Front)	←	No HP	HP				2
				3	5V	-	-	-				1
				4	N.C	-	-	-				-
				5	N.C	-	-	-		CN396	Paper Height Sensor	-
				6	N.C	-	-	-				-
				7	GND2	-	-	-				3
				8	Paper Height Sensor (TE)	←	No Height	Height				2
28	D4345797	CN102	MAIN	1	24V	-	-	-	-	T1	Interlock SW1	-
				2	24VSW1	-	-	-		T2		-
		CN211	MAIN	1	24V	-	-	-	-	T3	Interlock SW2	-
				2	24VSW2	-	-	-		T4		-
29	D4345843	CN105	MAIN	1	GND1	-	-	-	-	CN702	Lattice connentor	9
				2	GND1	-	-	-				8
				3	GND1	-	-	-				7
				4	GND1	-	-	-				6
				5	24V	-	-	-				5
				6	24V	-	-	-				4
				7	24V	-	-	-				3
				8	24V	-	-	-				2
				9	N.C	-	-	-				1
		CN106	MAIN	1	GND2	-	-	-	-	CN703	Lattice connentor	8
				2	RXD	←	-	-				7
				3	GND2	-	-	-				6
				4	TXD	→	-	-				5
				5	5V	-	-	-				4
				6	5VI	-	-	-				3
32	B8305281	CN706	D4345799	7	GND	-	-	-	-	CN700	Shift Tray Unit PCB	2
				8	GND	-	-	-				1
				1	24V	-	-	-				13
				2	GND1	-	-	-				12
				3	5V	-	-	-				11
				4	GND2	-	-	-				10
				5	Shift Tray Jogger M CLK	→	-	-				9
				6	Shift Tray Jogger M CW	→	CW	CCW				8
				7	Shift Tray Jogger M ON	→	ON	HOLD				7
				8	Shift Tray Jogger Retract M CLK	→	-	-				6
				9	Shift Tray Jogger Retract M CW	→	CW	CCW				5
				10	Shift Tray Jogger Retract M ON	→	ON	HOLD				4
				11	Shift Tray Jogger HP Sn	→	No HP	HP				3
				12	Shift Tray Jogger Retract HP Sensor	←	No HP	HP				2
				13	Shift Tray Jogger Unit detect	←	Detect	No detect		CN730	Shift Tray Unit PCB	1
				14	Shift Tray Jogger Unit Enable	→	OFF	ON				2
				15	GND2	-	-	-				1

Harness No.	P/N	CN (FROM)			Signal Information				Relay Harness P/N	CN (To)		
		No.	From	Pin No.	Signal	Direction	L	H		No.	To	Pin No.
33	B8305280	CN720	Shift Tray Unit PCB	1	GND2	-	-	-	-	CN241	Shift Tray Jogger HP Sn	3
				2	Shift Tray Jogger HP Sn	←	No HP	HP				2
				3	5V	-	-	-				1
				4	GND2	-	-	-		CN240	Shift Tray Jogger Retract HP	3
				5	Shift Tray Jogger Retract HP Sensor	←	No HP	HP				2
				6	5V	-	-	-				1
34	B8305282	CN710	Shift Tray Unit PCB	1	24V	-	-	-	-	CN278	Shift Tray Jogger Motor	7
				2	24V	-	-	-				6
				3	N.C	-	-	-				5
				4	A	→	ON	OFF				4
				5	AB	→	ON	OFF				3
				6	B	→	ON	OFF				2
				7	BB	→	ON	OFF				1
				8	N.C	-	-	-	-	CN279	Shift Tray Jogger Retraction Motor	-
				9	24V	-	-	-	7			
				10	24V	-	-	-	6			
				11	N.C	-	-	-	5			
				12	A	→	ON	OFF	4			
				13	AB	→	ON	OFF	3			
				14	B	→	ON	OFF	2			
				15	BB	→	ON	OFF	1			
35	D4345769	CN134	MAIN	1	24V	-	-	-	-	CM360	Proof Tray JG Motor	7
				2	24V	-	-	-				6
				3	N.C	-	-	-				5
				4	A	→	OFF	ON				4
				5	AB	→	OFF	ON				3
				6	B	→	OFF	ON				2
				7	BB	→	OFF	ON				1
				8	N.C	-	-	-	-	CN355	Stapler JG Motor	-
				9	N.C	-	-	-	-			-
				10	24V	-	-	-	7			
				11	24V	-	-	-	6			
				12	N.C	-	-	-	5			
				13	A	→	OFF	ON	4			
				14	AB	→	OFF	ON	3			
				15	B	→	OFF	ON	2			
				16	BB	→	OFF	ON	1			
		CN135	MAIN	1	24V	-	-	-	-	CN356	Exit Guide Motor	7
				2	24V	-	-	-				6
				3	N.C	-	-	-				5
				4	A	→	OFF	ON				4
				5	AB	→	OFF	ON				3
				6	B	→	OFF	ON				2
				7	BB	→	OFF	ON				1
		CN136	MAIN	1	24V	-	-	-	-	CN358	Horizontal Transport Motor	7
				2	24V	-	-	-				6
				3	N.C	-	-	-				5
				4	A	→	OFF	ON				4
				5	AB	→	OFF	ON				3
				6	B	→	OFF	ON				2
				7	BB	→	OFF	ON				1
				8	N.C	-	-	-	-	CN359	Shift Tray Exit Motor	-
				9	N.C	-	-	-	-			-
				10	24V	-	-	-	7			
				11	24V	-	-	-	6			
				12	N.C	-	-	-	5			
				13	A	→	OFF	ON	4			
				14	AB	→	OFF	ON	3			
				15	B	→	OFF	ON	2			
				16	BB	→	OFF	ON	1			
				17	N.C	-	-	-	-	D4345818	CN401	-
		1	T1	-	-	-	3					
		2	T2	-	-	-	2					
		3	Motor_CLK	→	-	-	1					
		4	N.C	-	-	-	2					
		5	Motor_CCW/CW	→	CW	CCW	3					
		6	Motor_START/STOP	→	STOP	START	4					
		7	Motor_LOCK	←	UNLOCK	LOCK	5					
		8	5V	-	-	-	6					
		9	GND2	-	-	-	7					
		10	GND1	-	-	-	8					
		11	GND1	-	-	-	9					
		12	24V	-	-	-	10					
		13	24V	-	-	-	11					

Harness No.	P/N	CN (FROM)			Signal Information				Relay Harness P/N	CN (To)		
		No.	From	Pin No.	Signal	Direction	L	H		No.	To	Pin No.
36	D4345787	CN145	MAIN	1	GND2	-	-	-	-	CN502	Unit Connector A	20
				2	Stack Feed-Out Belt HP Sensor	←	No HP	HP				19
				3	5V	-	-	-				18
				4	GND2	-	-	-				17
				5	Bottom Fence HP Sensor	←	No HP	HP				16
				6	5V	-	-	-				15
				7	N.C	-	-	-				14
				8	GND2	-	-	-				13
				9	Front Jogger Fence HP Sensor	←	No HP	HP				12
				10	5V	-	-	-				11
				11	GND2	-	-	-				10
				12	Rear Jogger Fence HP Sensor	←	No HP	HP				9
				13	5V	-	-	-				8
				14	N.C	-	-	-				7
				15	GND2	-	-	-				6
				16	Top Fence HP Senor	←	No HP	HP				5
				17	5V	-	-	-				4
				18	GND2	-	-	-				3
				19	Stapling Tray Paper Sensor	←	No Paper	Paper				2
				20	5V	-	-	-				1
				21	N.C	-	-	-	-	-	-	-
				22	GND2	-	-	-	-	CN503	Unit Connector A	18
				23	Stapling Tray Unit detect	←	No detet	Detect				17
				24	5V	-	-	-				16
				25	N.C	-	-	-				15
				26	GND2	-	-	-				14
				27	Stapling Tray Entrance Sensor	←	No Paper	Paper				13
				28	5V	-	-	-				12
				29	N.C	-	-	-				11
				30	GND2	-	-	-				10
				31	Stack Plate HP Sensor (Front)	←	No HP	HP				9
				32	5V	-	-	-				8
				33	GND2	-	-	-				7
				34	Stack Plate HP Sensor (Center)	←	No HP	HP				6
				35	5V	-	-	-				5
				36	GND2	-	-	-				4
				37	Stack Plate HP Sensor (Rear)	←	No HP	HP				3
				38	5V	-	-	-				2
				39	N.C	-	-	-				1
				40	N.C	-	-	-	-	-	-	-
39	D4345790	CN146	MAIN	1	N.C	-	-	-	-	CN500	Unit Connector A	10
				2	GND2	-	-	-				9
				3	Stack Transport Unit HP Sensor	←	No HP	HP				8
				4	5V	-	-	-				7
				5	GND2	-	-	-				6
				6	Stack JG HP Sensor	←	No HP	HP				5
				7	5V	-	-	-				4
				8	GND2	-	-	-				3
				9	Positioning Roller HP Sensor	←	No HP	HP				2
				10	5V	-	-	-				1
				11	N.C	-	-	-	-	-	-	-
				12	-	-	-	-	-	CN501	Unit Connector A	12
				13	GND2	-	-	-				11
				14	Corner Stapler HP Sensor	←	No HP	HP				10
				15	5V	-	-	-				9
				16	GND2	-	-	-				8
				17	Stapler Rotation HP Sensor (Front)	←	No HP	HP				7
				18	5V	-	-	-				6
				19	N.C	-	-	-				5
				20	GND2	-	-	-				4
				21	Stapler Rotation HP Sensor (Rear)	←	No HP	HP				3
40	D4345793	CN502	Unit Connector	1	5V	-	-	-	D4345791	CN312	-	2
				2	GND2	-	-	-				1
				3	Stack Feed-Out Belt HP Sensor	←	No HP	HP				5
				4	5V	-	-	-				4
				5	GND2	-	-	-				3
				6	Bottom Fence HP Sensor	←	No HP	HP				2
				7	5V	-	-	-				1
				8	N.C	-	-	-	-	-	-	-
				9	GND2	-	-	-	-	CN313	Front Jogger Fence HP	3
				10	Front Jogger Fence HP Sensor	←	No HP	HP				2
				11	5V	-	-	-				1
				12	GND2	-	-	-	-	CN314	Rear Jogger Fence HP	3
				13	Rear Jogger Fence HP Sensor	←	No HP	HP				2
				14	5V	-	-	-				1
				15	N.C	-	-	-	-	-	-	-
				16	GND2	-	-	-	D4345792	CN315	-	6
				17	Top Fence HP Sensor	←	No HP	HP				5
				18	5V	-	-	-				4
				19	GND2	-	-	-				3
				20	Stapling Tray Paper Sensor	←	No Paper	Paper				2
40	D4345793	CN503	Unit Connector	1	5V	-	-	-	D4345793	CN320	-	2
				2	Stapling Tray Unit detect	←	No detet	Detect				1
				3	5V	-	-	-	-	-	-	-
				4	N.C	-	-	-	-	-	-	-
				5	GND2	-	-	-	D4345794	CN325	-	3
				6	Stapling Tray Entrance Sensor	←	No Paper	Paper				2
				7	5V	-	-	-				1
				8	N.C	-	-	-	-	-	-	-
				9	GND2	-	-	-	D4345795	CN326	-	9
				10	Stack Plate HP Sensor (Front)	←	No HP	HP				8
				11	5V	-	-	-				7
				12	GND2	-	-	-				6
				13	Stack Plate HP Sensor (Center)	←	No HP	HP				5
				14	5V	-	-	-				4
				15	GND2	-	-	-				3
				16	Stack Plate HP Sensor (Rear)	←	No HP	HP				2
				17	5V	-	-	-				1
				18	N.C	-	-	-	-	-	-	-
		CN320	Unit Connector	2	GND2	-	-	-	-	CN321	Stapling Tray Unit detect	1
				1	Stapling Tray Unit detect	←	No detet	Detect				2

Harness No.	P/N	CN (FROM)			Signal Information				Relay Harness P/N	CN (To)		
		No.	From	Pin No.	Signal	Direction	L	H		No.	To	Pin No.
41	D4345837	CN500	It Connector	1	N・C	-	-	-	-	-	-	-
				2	GND2	-	-	-	-	-	-	3
				3	Stack Transport Unit HP Sensor	←	No HP	HP	-	CN307	Stack Transport Unit HP	2
				4	5V	-	-	-	-	-	-	1
				5	GND2	-	-	-	-	-	-	3
				6	Stack JG HP Sensor	←	No HP	HP	-	CN308	Stack JG HP Sensor	2
				7	5V	-	-	-	-	-	-	1
				8	GND2	-	-	-	-	-	-	3
				9	Positioning Roller HP Sensor	←	No HP	HP	-	CN309	Positioning Roller HP Sensor	2
				10	5V	-	-	-	-	-	-	1
42	D4345789	CN501	It Connector	1	N・C	-	-	-	-	-	-	-
				2	GND2	-	-	-	-	-	-	10
				3	Corner Stapler HP Sensor	←	No HP	HP	-	-	-	9
				4	5V	-	-	-	-	-	-	8
				5	GND2	-	-	-	-	-	-	7
				6	Stapler Rotation HP Sensor (Front)	←	No HP	HP	-	D4345762	CN311	6
				7	5V	-	-	-	-	-	-	5
				8	N.C	-	-	-	-	-	-	4
				9	GND2	-	-	-	-	-	-	3
				10	Stapler Rotation HP Sensor (Rear)	←	No HP	HP	-	-	-	2
				11	5V	-	-	-	-	-	-	1
				12	N.C	-	-	-	-	-	-	-
43	D4345791	CN312	D4345790	1	GND2	-	-	-	-	-	-	3
				2	Stack Feed-Out Belt HP Sensor	←	No HP	HP	-	CN316	Stack Feed-Out Belt HP	2
				3	5V	-	-	-	-	-	-	1
				4	GND2	-	-	-	-	-	-	3
				5	Bottom Fence HP Sensor	←	No HP	HP	-	CN317	Fence HP Sensor	2
				6	5V	-	-	-	-	-	-	1
44	D4345792	CN315	D4345790	1	GND2	-	-	-	-	-	-	3
				2	Top Fence HP Sensor	←	No HP	HP	-	CN318	Top Fence HP Sensor	2
				3	5V	-	-	-	-	-	-	1
				4	GND2	-	-	-	-	-	-	3
				5	Stapling Tray Paper Sensor	←	No Paper	Paper	-	CN319	Tray Paper Sensor	2
				6	5V	-	-	-	-	-	-	1
45	D4345794	CN325	D4345793	1	GND2	-	-	-	-	-	-	3
				2	Stapling Tray Entrance Sensor	←	No Paper	Paper	-	CN327	Stapling Tray Entrance	2
				3	5V	-	-	-	-	-	-	1
46	D4345795	CN326	D4345793	1	GND2	-	-	-	-	-	-	3
				2	Stack Plate HP Sensor (Front)	←	No HP	HP	-	CN328	Stack Plate HP Sensor	2
				3	5V	-	-	-	-	-	-	1
				4	GND2	-	-	-	-	-	-	3
				5	Stack Plate HP Sensor (Center)	←	No HP	HP	-	CN329	Plate HP Sensor	2
				6	5V	-	-	-	-	-	-	1
				7	GND2	-	-	-	-	-	-	3
				8	Stack Plate HP Sensor (Rear)	←	No HP	HP	-	CN330	Stack Plate HP Sensor	2
				9	5V	-	-	-	-	-	-	1
47	D4345762	CN311	D4545789	1	GND2	-	-	-	-	-	-	3
				2	Corner Stapler HP Sensor	←	No HP	HP	-	JC416	Corner Stapler HP Sensor	2
				3	5V	-	-	-	-	-	-	1
				4	GND2	-	-	-	-	-	-	3
				5	Stapler Rotation HP Sensor (Front)	←	No HP	HP	-	JC417	Stapler Rotation HP Sensor	2
				6	5V	-	-	-	-	-	-	1
				7	N.C	-	-	-	-	-	-	-
				8	GND2	-	-	-	-	-	-	3
				9	Stapler Rotation HP Sensor (Rear)	←	No HP	HP	-	JC418	ステープル斜め HPSN	2
				10	5V	-	-	-	-	-	-	1
		CN409	D4345761	1	24VSW1	-	-	-	-	-	-	7
				2	24VSW2	-	-	-	-	-	-	6
				3	N.C	-	-	-	-	-	-	5
				4	A	→	OFF	ON	-	CN415	Stapler Rotation Motor	4
				5	AB	→	OFF	ON	-	-	-	3
				6	B	→	OFF	ON	-	-	-	2
				7	BB	→	OFF	ON	-	-	-	1
				8	N.C	-	-	-	-	-	-	-
48	D4345760	CN121	MAIN	-	-	-	-	-	-	-	-	11
				1	5V	-	-	-	-	-	-	10
				2	Self Priming SN	←	Ready	Un-Ready	-	-	-	9
				3	N.C	-	-	-	-	-	-	8
				4	GND2	-	-	-	-	-	-	7
				5	Stapler HP SN	←	No HP	HP	-	D4345761	CN412	6
				6	Staple End SN	←	No end	End	-	-	-	5
				7	N.C	-	-	-	-	-	-	4
				8	GND2	-	-	-	-	-	-	3
				9	Shutter Solenoid	←	-	-	-	-	-	2
				10	24VSW1	-	-	-	-	-	-	1
		CN123	MAIN	1	24VSW1	-	-	-	-	-	-	8
				2	24VSW1	-	-	-	-	-	-	7
				3	N.C	-	-	-	-	-	-	6
				4	Stapler Rotation Motor A	→	OFF	ON	-	D4345762	CN409	5
				5	Stapler Rotation Motor AB	→	OFF	ON	-	-	-	4
				6	Stapler Rotation Motor B	→	OFF	ON	-	-	-	3
				7	Stapler Rotation Motor BB	→	OFF	ON	-	-	-	2
				8	N.C	-	-	-	-	-	-	1
				9	24VSW1	-	-	-	-	-	-	7
				10	24VSW1	-	-	-	-	-	-	6
				11	N.C	-	-	-	-	-	-	5
				12	A	→	OFF	ON	-	-	-	4
				13	AB	→	OFF	ON	-	-	-	3
				14	B	→	OFF	ON	-	-	-	2
				15	BB	→	OFF	ON	-	-	-	1
				16	N.C	-	-	-	-	-	-	-
				17	N.C	-	-	-	-	-	-	-
				18	N.C	-	-	-	-	-	-	-
		CN122	MAIN	1	Corner Stapler M -	→	OFF	ON	-	-	-	2
				2	Corner Stapler M +	→	OFF	ON	-	CN411	Corner Stapler Motor	1
		CN412	D4345760	1	N.C	-	-	-	-	-	-	11
				2	5V	-	-	-	-	-	-	10
				3	Self Priming SN	←	Ready	Un-Ready	-	-	-	9
				4	N.C	-	-	-	-	-	-	8
				5	GND2	-	-	-	-	-	-	7
				6	Stapler HP SN	←	No HP	HP	-	CN413	Corner Stapler Motor	6
				7	Staple End SN	←	No end	End	-	-	-	5
				8	N.C	-	-	-	-	-	-	4
				9	GND2	-	-	-	-	-	-	3
				10	Shutter Solenoid	←	OFF	ON	-	-	-	2
				11	24VSW1	-	-	-	-	D4345763	CN414	1
49	D4345761	CN123	MAIN	1	24VSW1	-	-	-	-	-	-	8
				2	24VSW1	-	-	-	-	-	-	7
				3	N.C	-	-	-	-	-	-	6
				4	Stapler Rotation Motor A	→	OFF	ON	-	-	-	5
				5	Stapler Rotation Motor AB	→	OFF	ON	-	-	-	4
				6	Stapler Rotation Motor B	→	OFF	ON	-	-	-	3
				7	Stapler Rotation Motor BB	→	OFF	ON	-	-	-	2
				8	N.C	-	-	-	-	-	-	1
				9	24VSW1	-	-	-	-	-	-	7
				10	24VSW1	-	-	-	-	-	-	6
				11	N.C	-	-	-	-	-	-	5
				12	A	→	OFF	ON	-	-	-	4
				13	AB	→	OFF	ON	-	-	-	3
				14	B	→	OFF	ON	-	-	-	2
				15	BB	→	OFF	ON	-	-	-	1
				16	N.C	-	-	-	-	-	-	-
				17	N.C	-	-	-	-	-	-	-
				18	N.C	-	-	-	-	-	-	-
		CN122	MAIN	1	Corner Stapler M -	→	OFF	ON	-	-	-	2
				2	Corner Stapler M +	→	OFF	ON	-	CN411	Corner Stapler Motor	1
				1	N.C	-	-	-	-	-	-	11
				2	5V	-	-	-	-	-	-	10
				3	Self Priming SN	←	Ready	Un-Ready	-	-	-	9
				4	N.C	-	-	-	-	-	-	8</

Harness No.	P/N	CN (FROM)			Signal Information				Relay Harness P/N	CN (To)					
		No.	From	Pin No.	Signal	Direction	L	H		No.	To	Pin No.			
50	D4345763	CN414	D4345761	1	Shutter Solenoid	-	-	-	-	CN419	Shutter Solenoid	2			
51	D4345803	CN153	MAIN	2	24VSW1	-	-	-	-	-	CN802	Unit Connector B	1		
				1	GND2	-	-	-	20						
				2	Booklet Stapler Clamp Roller HP Sensor	←	No HP	HP	19						
				3	5V	-	-	-	18						
				4	GND2	-	-	-	17						
				5	Booklet Stapler Exit Sensor	←	No Paper	Paper	16						
				6	5V	-	-	-	15						
				7	N.C	-	-	-	14						
				8	GND2	-	-	-	13						
				9	Fold Plate Cam HP Sensor	←	No HP	HP	12						
				10	5V	-	-	-	11						
				11	N.C	-	-	-	10						
				12	GND2	-	-	-	9						
				13	Fold Unit Entrance Sensor	←	No Paper	Paper	8						
				14	5V	-	-	-	7						
				15	5V	-	-	-	6						
				16	Staple End SN2	←	No End	End	5						
				17	GND2	-	-	-	4						
				18	Staple End SN1	←	No End	End	3						
				19	Stapler HP SN	←	No HP	HP	2						
		20		N.C	-	-	-	1							
		CN152		1	GND2	-	-	-	-	CN801	Unit Connector B	18			
				2	Booklet Stapler Jogger HP Sensor (Front)	←	No HP	HP				17			
				3	5V	-	-	-				16			
				4	GND2	-	-	-				15			
				5	Booklet Stapler Bottom Fence HP Sensor	←	No HP	HP				14			
				6	5V	-	-	-				13			
				7	N.C	-	-	-				12			
				8	GND2	-	-	-				11			
				9	Booklet Stapler Jogger HP Sensor (Rear)	←	No HP	HP				10			
				10	5V	-	-	-				9			
				11	N.C	-	-	-				8			
				12	GND2	-	-	-				7			
				13	Fold Plate HP Sensor	←	No HP	HP				6			
				14	5V	-	-	-				5			
				15	GND2	-	-	-				4			
				16	Booklet Top Fence HP Sensor	←	No HP	HP				3			
				17	5V	-	-	-				2			
				52	D4345804	CN802	UNITコネクタB	1				GND2	-	-	-
		2						Booklet Stapler Clamp Roller HP Sensor	←	No HP	HP	19			
3	5V	-	-					-	18						
4	GND2	-	-					-	17						
5	Booklet Stapler Exit Sensor	←	No Paper					Paper	16						
6	5V	-	-					-	15						
7	N.C	-	-					-	14						
8	GND2	-	-					-	13						
9	Fold Plate Cam HP Sensor	←	No HP					HP	12						
10	5V	-	-					-	11						
11	N.C	-	-					-	10						
12	GND2	-	-					-	9						
13	Fold Unit Entrance Sensor	←	No Paper					Paper	8						
14	5V	-	-					-	7						
15	5V	-	-					-	6						
16	Staple End SN2	←	No End					End	5						
15	GND2	-	-					-	4						
18	Staple End SN1	←	No End					End	3						
19	Stapler HP SN	←	No HP					HP	2						
20	N.C	-	-					-	1						
CN801	UNITコネクタB	1	GND2			-	-	-	D4345809	CN803	-	18			
		2	Booklet Stapler Jogger HP Sensor (Front)			←	No HP	HP				17			
		3	5V			-	-	-				16			
		4	GND2			-	-	-				15			
		5	Booklet Stapler Bottom Fence HP Sensor			←	No HP	HP				14			
		6	5V			-	-	-				13			
		7	N.C			-	-	-				12			
		8	GND2			-	-	-				11			
		9	Booklet Stapler Jogger HP Sensor (Rear)			←	No HP	HP				10			
		10	5V			-	-	-				9			
		11	N.C			-	-	-				8			
		12	GND2			-	-	-				7			
		13	Fold Plate HP Sensor			←	No HP	HP				6			
		14	5V			-	-	-				5			
		15	GND2			-	-	-				4			
		16	Booklet Top Fence HP Sensor			←	No HP	HP				3			
		17	5V			-	-	-				2			
		18	N.C			-	-	-				1			
53	D4345809	CN803	D4345804	1	GND2	-	-	-	-	CN840	Booklet Stapler Jogger HP Sensor (Front)	3			
				2	Booklet Stapler Jogger HP Sensor (Front)	←	No HP	HP				2			
				3	5V	-	-	-				1			
				4	GND2	-	-	-		CN841	Booklet Stapler Bottom Fence HP Sensor	3			
				5	Booklet Stapler Bottom Fence HP Sensor	←	No HP	HP				2			
				6	5V	-	-	-				1			
				7	N.C	-	-	-		-	-	-	-	3	
				8	GND2	-	-	-		CN842	Booklet Stapler Jogger HP Sensor (Rear)	-			
				9	Booklet Stapler Jogger HP Sensor (Rear)	←	No HP	HP				2			
				10	5V	-	-	-				1			
				11	N.C	-	-	-		CN843	Fold Plate HP Sensor	-			
				12	GND2	-	-	-				3			
				13	Fold Plate HP Sensor	←	No HP	HP				2			
				14	5V	-	-	-		CN844	Booklet Top Fence HP Sensor	1			
				15	GND2	-	-	-				3			
				16	Booklet Top Fence HP Sensor	←	No HP	HP				2			
				17	5V	-	-	-		-	-	-	1		
				18	N.C	-	-	-		-	-	-	-		

Harness No.	P/N	CN (FROM)			Signal Information				Relay Harness P/N	CN (To)					
		No.	From	Pin No.	Signal	Direction	L	H		No.	To	Pin No.			
54	D4345811	CN804	D4345804	1	GND2	-	-	-	D4345806	CN845	-	3			
				2	Booklet Stapler Clamp Roller HP Sensor	←	No HP	HP				2			
				3	5V	-	-	-				D4345814	CM846	-	1
				4	GND2	-	-	-							4
				5	Booklet Stapler Exit Sensor	←	No Paper	Paper	3						
				6	5V	-	-	-	2						
				7	N.C	-	-	-	-	CN849	Fold Plate Cam HP Sensor	1			
				8	GND2	-	-	-				3			
				9	Fold Plate Cam HP Sensor	←	No HP	HP				2			
				10	5V	-	-	-				1			
				11	N.C	-	-	-	-	-	-	-	-		
				12	GND2	-	-	-	-	CN850	Fold Unit Entrance Sensor	3			
				13	Fold Unit Entrance Sensor	←	No Paper	Paper				2			
				14	5V	-	-	-				1			
				15	5V	-	-	-				5			
				16	Staple End SN2	←	No End	End	D4345810	CN851	-	4			
				17	GND2	-	-	-				3			
				18	Staple End SN1	←	No End	End				2			
				19	Stapler HP SN	←	No HP	HP				1			
				20	N.C	-	-	-	-	-	-	-			
55	D4345806	CN845	D4345811	3	GND2	-	-	-	-	CN847	Booklet Stapler Clamp Roller HP Sensor	3			
				2	Booklet Stapler Clamp Roller HP Sensor	←	No HP	HP				2			
				1	5V	-	-	-				1			
56	D4345814	CN846	D4345811	4	GND2	-	-	-	-	CN848	Booklet Stapler Exit Sensor	3			
				3	Booklet Stapler Exit Sensor	←	No Paper	Paper				2			
				2	5V	-	-	-				1			
				1	N.C	-	-	-				-			
57	D4345810	CN851	D4345811	1	5V	-	-	-	D4345813	CN852	-	10			
				2	Staple End SN2	-	-	-				9			
				3	GND2	-	-	-				8			
				4	Staple End SN1	-	-	-				7			
				5	Stapler HP SN	-	-	-				6			
		CN805		1	DCM+	-	-	-				5			
				2	DCM+	-	-	-				4			
				3	-	-	-	-				3			
				4	N.C	-	-	-				2			
				5	DCM-	-	-	-				1			
58	D4345813	CN852	D4345810	1	5V	-	-	-	-	CN853	Booklet Stapler Motor	10			
				2	Staple End SN2	←	OFF	ON				9			
				3	GND2	-	-	-				8			
				4	Staple End SN1	←	OFF	ON				7			
				5	Stapler HP SN	←	OFF	ON				6			
				6	DCM+	-	-	-				5			
				7	DCM+	-	-	-				4			
				8	-	-	-	-				3			
				9	N.C	-	-	-				2			
				10	DCM-	-	-	-				1			
59	D4345857	CN109	Unit Connected	1	GND2	-	-	-	-	CN115	Shift Tray Full Sensor	3			
				2	Shift Tray Full Sensor (1000)	←	No full	Full				2			
				3	5V	-	-	-				1			
				4	GND2	-	-	-	-	CN116	Shift Tray Full Sensor	3			
				5	Shift Tray Full Sensor (500)	←	No full	Full				2			
				6	5V	-	-	-				1			
				7	N.C	-	-	-	-	-	-	-			
				8	N.C	-	-	-				-			
				9	N.C	-	-	-				-			
60	D4345818	CN401	D4345769	1	T1	-	-	-	-	T1 - T2	Shift Tray Upper Limit	3			
				2	N.C	-	-	-				2			
				3	T2	-	-	-				1			

Harness No.	P/N	CN (FROM)			Signal Information				Relay Harness P/N	CN (To)		
		No.	From	Pin No.	Signal	Direction	L	H		No.	To	Pin No.
61	D4345807	CN205	SUB	1	DCM+	-	-	-	D4345810	CN805	-	5
				2	DCM+	-	-	-				4
				3	N.C	-	-	-				3
				4	DCM-	-	-	-				2
				5	DCM-	-	-	-				1
		CN206	SUB	1	24VSW2	-	-	-	D4345812	CN806	-	16
				2	24VSW2	-	-	-				15
				3	N.C	-	-	-				14
				4	Booklet Stapler Clamp Roller Motor A	→	OFF	ON				13
				5	Booklet Stapler Clamp Roller Motor AB	→	OFF	ON				12
				6	Booklet Stapler Clamp Roller Motor B	→	OFF	ON				11
				7	Booklet Stapler Clamp Roller Motor BB	→	OFF	ON				10
				8	N.C	-	-	-				9
				9	N.C	-	-	-				8
				10	24VSW2	-	-	-				7
				11	24VSW2	-	-	-				6
				12	N.C	-	-	-				5
				13	Booklet Stapler Bottom Fence Motor A	→	OFF	ON				4
				14	Booklet Stapler Bottom Fence Motor AB	→	OFF	ON				3
				15	Booklet Stapler Bottom Fence Motor B	→	OFF	ON				2
				16	Booklet Stapler Bottom Fence Motor BB	→	OFF	ON				1
		CN208	SUB	1	24VSW2	-	-	-	D4345850	CN807	-	15
				2	24VSW2	-	-	-				14
				3	N.C	-	-	-				13
				4	Booklet Stapler Side Fence Motor A	→	OFF	ON				12
				5	Booklet Stapler Side Fence Motor AB	→	OFF	ON				11
				6	Booklet Stapler Side Fence Motor B	→	OFF	ON				10
				7	Booklet Stapler Side Fence Motor BB	→	OFF	ON				9
				8	N.C	-	-	-				8
				9	24VSW2	-	-	-				7
				10	24VSW2	-	-	-				6
				11	N.C	-	-	-				5
				12	Booklet Stapler Bottom Fence Motor A	→	OFF	ON				4
				13	Booklet Stapler Bottom Fence Motor AB	→	OFF	ON				3
				14	Booklet Stapler Bottom Fence Motor B	→	OFF	ON				2
				15	Booklet Stapler Bottom Fence Motor BB	→	OFF	ON				1
62	D4345812	CN806	D4345807	1	24VSW2	-	-	-	-	CN810	Booklet Stapler Clamp Roller Motor	7
				2	24VSW2	-	-	-				6
				3	N.C	-	-	-				5
				4	Booklet Stapler Clamp Roller Motor A	→	OFF	ON				4
				5	Booklet Stapler Clamp Roller Motor AB	→	OFF	ON				3
				6	Booklet Stapler Clamp Roller Motor B	→	OFF	ON				2
				7	Booklet Stapler Clamp Roller Motor BB	→	OFF	ON				1
				8	N.C	-	-	-	-	-	-	-
				9	N.C	-	-	-	-	-	-	-
				10	24VSW2	-	-	-	-	CN811	Booklet Stapler Bottom Fence Motor	7
				11	24VSW2	-	-	-				6
				12	N.C	-	-	-				5
				13	Booklet Stapler Bottom Fence Motor A	→	OFF	ON				4
				14	Booklet Stapler Bottom Fence Motor AB	→	OFF	ON				3
				15	Booklet Stapler Bottom Fence Motor B	→	OFF	ON				2
63	D4345850	CN807	D4345807	16	Booklet Stapler Bottom Fence Motor BB	→	OFF	ON				1
				15	24VSW2	-	-	-	-	CN812	Booklet Stapler Side Fence Motor	7
				14	24VSW2	-	-	-				6
				13	N.C	-	-	-				5
				12	Booklet Stapler Side Fence Motor A	→	OFF	ON				4
				11	Booklet Stapler Side Fence Motor AB	→	OFF	ON				3
				10	Booklet Stapler Side Fence Motor B	→	OFF	ON				2
				9	Booklet Stapler Side Fence Motor BB	→	OFF	ON				1
				8	N.C	-	-	-	-	-	-	-
				7	24VSW2	-	-	-	-	CN813	Booklet Stapler Bottom Fence Motor	7
				6	24VSW2	-	-	-				6
				5	N.C	-	-	-				5
				4	Booklet Stapler Bottom Fence Motor A	→	OFF	ON				4
				3	Booklet Stapler Bottom Fence Motor AB	→	OFF	ON				3
				2	Booklet Stapler Bottom Fence Motor B	→	OFF	ON				2
64	D4345822	CN207	SUB	1	Booklet Stapler Bottom Fence Motor BB	→	OFF	ON	-	CN808	Fold Plate Motor	1
				2	24VSW2	-	-	-				9
				3	N.C	-	-	-				-
				4	Fold Plate Motor A	→	OFF	ON				5
				5	Fold Plate Motor AB	→	OFF	ON				7
				6	Fold Plate Motor B	→	OFF	ON				11
				7	Fold Plate Motor BB	→	OFF	ON				-
				8	N.C	-	-	-	-	CN809	Fold Roller Motor	3
				9	24VSW2	-	-	-				9
				10	24VSW2	-	-	-				-
				11	N.C	-	-	-				1
				12	Fold Roller Motor A	→	OFF	ON				5
				13	Fold Roller Motor AB	→	OFF	ON				7
				14	Fold Roller Motor B	→	OFF	ON				11
				15	Fold Roller Motor BB	→	OFF	ON				-
67	D4345815	CN203	SUB	1	24V	-	-	-	-	CN403	Proof Tray Exit Motor	7
				2	24V	-	-	-				6
				3	N.C	-	-	-				5
				4	Proof Tray Exit Motor A	→	OFF	ON				4
				5	Proof Tray Exit Motor AB	→	OFF	ON				3
				6	Proof Tray Exit Motor B	→	OFF	ON				2
				7	Proof Tray Exit Motor BB	→	OFF	ON				1
				8	N.C	-	-	-	-	-	-	-
				9	N.C	-	-	-	-	-	-	-
				10	24V	-	-	-	-	CN404	Pre-Stack JG Motor	7
				11	24V	-	-	-				6
				12	N.C	-	-	-				5
				13	Pre-Stack JG Motor A	→	OFF	ON				4
				14	Pre-Stack JG Motor AB	→	OFF	ON				3
				15	Pre-Stack JG Motor B	→	OFF	ON				2
				16	Pre-Stack JG Motor BB	→	OFF	ON				1

Harness No.	P/N	CN (FROM)			Signal Information				Relay Harness P/N	CN (To)		
		No.	From	Pin No.	Signal	Direction	L	H		No.	To	Pin No.
68	D4345836	CN201	SUB	1	24V	-	-	-	-	CN407	Pre-Stack Release Motor	7
				2	24V	-	-	-				6
				3	N.C	-	-	-				5
				4	Pre-Stack Release Motor A	→	OFF	ON				4
				5	Pre-Stack Release Motor AB	→	OFF	ON				3
				6	Pre-Stack Release Motor B	→	OFF	ON				2
				7	Pre-Stack Release Motor BB	→	OFF	ON				1
				8	N.C	-	-	-	-	-	-	-
				9	N.C	-	-	-	-	-	-	-
				10	24V	-	-	-	-	CN408	Pre-Stack Motor	7
				11	24V	-	-	-				6
				12	N.C	-	-	-				5
				13	Pre-Stack Motor A	→	OFF	ON				4
				14	Pre-Stack Motor AB	→	OFF	ON				3
				15	Pre-Stack Motor B	→	OFF	ON				2
				16	Pre-Stack Motor BB	→	OFF	ON				1
				17	N.C	-	-	-	-	-	-	-
		CN202	SUB	1	24V	-	-	-	-	CN405	Registration Motor	7
				2	24V	-	-	-				6
				3	N.C	-	-	-				5
				4	Registration Motor A	→	OFF	ON				4
				5	Registration Motor AB	→	OFF	ON				3
				6	Registration Motor B	→	OFF	ON				2
				7	Registration Motor BB	→	OFF	ON				1
				8	N.C	-	-	-	-	-	-	-
				9	24V	-	-	-	-	CN406	Entrance Roller Motor	7
				10	24V	-	-	-				6
				11	N.C	-	-	-				5
				12	Entrance Roller Motor A	→	OFF	ON				4
				13	Entrance Roller Motor AB	→	OFF	ON				3
				14	Entrance Roller Motor B	→	OFF	ON				2
				15	Entrance Roller Motor BB	→	OFF	ON				1
69	D4345797	CN211	SUB	1	24V	-	-	-	-	T1	Interlock SW	-
				2	24VSW2	-	-	-		T2		-
		CN102	SUB	1	24V	-	-	-	-	T3	Interlock SW	-
				2	24VSW1	-	-	-		T4		-
71	D4495846	CN212	SUB	1	24VSW2	-	-	-	-	CN601	Punch	2
				2	GND1	-	-	-				1
72	D4345819	CN108	MAIN	1	Punch Movement Motor CLK	→	-	-	-	CN602	Punch	28
				2	Punch Movement Motor	→	ON	HOLD				27
				3	Punch Movement Motor	→	ENABLE	DISABLE				26
				4	Punch Movement Motor	→	CW	CCW				25
				5	Punch PWM	→	-	-				24
				6	Punch Drive Motor IN1	→	-	-				23
				7	Punch Drive Motor IN2	→	-	-				22
				8	Punch Switch Motor IN	→	-	-				21
				9	CIS Select 1	→	-	-				20
				10	CIS Select 2	→	-	-				19
				11	ADJ Mode	→	-	-				18
				12	LED PWM	→	-	-				17
				13	Comparator PWM	→	-	-				16
				14	P_edge Trigger	→	-	-				15
				15	P_edge	←	-	-				14
				16	Punch SW	←	2 Holes	3 Holes/4				13
				17	Punchout Hopper Full Sensor	←	No full	Full				12
				18	Punch Unit HP Sensor	←	No HP	HP				11
				19	Punch Blade HP Sensor	←	HP	No HP				10
				20	Punch RPS Sensor	←	-	-				9
				21	Punch Unit Detect Sensor	←	Detect	No detect				8
				22	Punch Type 1	←	-	-				7
				23	Punch Type 2	←	-	-				6
				24	Punch Vertical Registration	←	No detect	Detect				5
				25	GND2	-	-	-				4
				26	GND2	-	-	-				3
				27	5V	-	-	-				2
				28	5V	-	-	-				1

Harness No.		P/N		CN (FROM)			Signal Information				Relay	CN (To)			
				No.	From	Pin No.	Signal		Direction	L	H	Harness P/N	No.	To	Pin No.
73	D4495820		CN605	Punch	1	5V	-	-	-	D4345848	CN902	-	3		
					2	Punchout Hopper Full	←	No full	Full					2	
					3	GND2	-	-	-					1	
					11	GND2	-	-	-	-	CN906	Punch Unit HP Sensor	3		
					12	Punch Unit HP Sensor	←	No HP	HP				2		
					13	5V	-	-	-				1		
					14	GND2	-	-	-	D4345824	CN907	-	3		
					15	Punch Vertical	←	Not detected	Detect					2	
16	5V	-	-	-	1										
74	D4495848		CN902	D4495820	1	5V	-	-	-	-	CN913	Punchout Hopper Full	3		
					2	Punchout Hopper Full	←	No full	Full				2		
					3	GND2	-	-	-				1		
76	D4495824		CN907	D4495820	1	GND2	-	-	-	-	CN908	Punch Vertical Registrat	3		
					2	Punch Vertical	←	Not detected	Detect				2		
					3	5V	-	-	-				1		
75	77	D4495849	D4495821	CN603	Punch	1	24VSW1	-	-	-	-	CN341	CIS Relay Board	9	
						2	LED PWM	→	-	-				8	
						3	5V	-	-	-				7	
						4	CIS_CLK	→	-	-				6	
						5	CIS_SYNC	→	-	-				5	
						6	GND2	-	-	-				4	
						7	CIS_D	←	-	-				3	
						8	COMP_TH	-	-	-				2	
						9	CIS_A	←	-	-				1	
	76	D4495824	CN907	Punch	1	GND2	-	-	-	-	CN908	Punch Vertical Registrat	3		
					2	Punch Vertical	←	Not detected	Detect				2		
					3	5V	-	-	-				1		
78	D4495825		CN341	CIS Relay Board	2	24VSW1	-	-	-	-	CN909	CIS	7		
					3	LED_PWM	-	-	-				6		
					4	5V	-	-	-				5		
					5	CIS_CLK	-	-	-				4		
					6	CIS_SYNC	-	-	-				3		
					7	GND2	-	-	-				2		
					8	CIS_AD	-	-	-				1		
					79	D4495826		CN604	Punch				1	24V	-
2	24V	-	-	-						9					
3	N.C	-	-	-						-					
4	A	→	OFF	ON						1					
5	XB	→	OFF	ON						5					
6	B	→	OFF	ON						7					
7	XB	→	OFF	ON						11					
8	FG	-	-	-						-	T1	-	-		
9	Punch Drive Motor M-	→	OFF	ON										2	
10	N.C	-	-	-										-	
11	Punch Drive Motor M+	→	OFF	ON						-	CN911	Punch Drive Motor	1		
12	Punch Switch Motor M-	→	OFF	ON									4		
13	Punch Switch Motor M+	→	OFF	ON									3		
14	T1	-	-	-									2		
15	T2	-	-	-									1		
80	D4495823		CN903	D4495826	CN607	Punch	1	GND2	-	D4495823	CN903	-	6		
							2	Punch Blade HP Sensor	←				HP	No HP	5
							3	5V	-				-	-	4
							4	GND2	-				-	-	3
							5	Punch RPS Sensor	←				-	-	2
							6	5V	-				-	-	1
80	D4495823		CN903	D4495826			1	5V	-	-	CN904	Punch RPS Sensor	3		
							2	Punch RPS Sensor	←				-	-	2
							3	GND2	-				-	-	1
							4	5V	-		-	-	CN905	Punch Blade HP	3
							5	Punch Blade HP Sensor	←		HP	No HP			2
							6	GND2	-		-	-			1