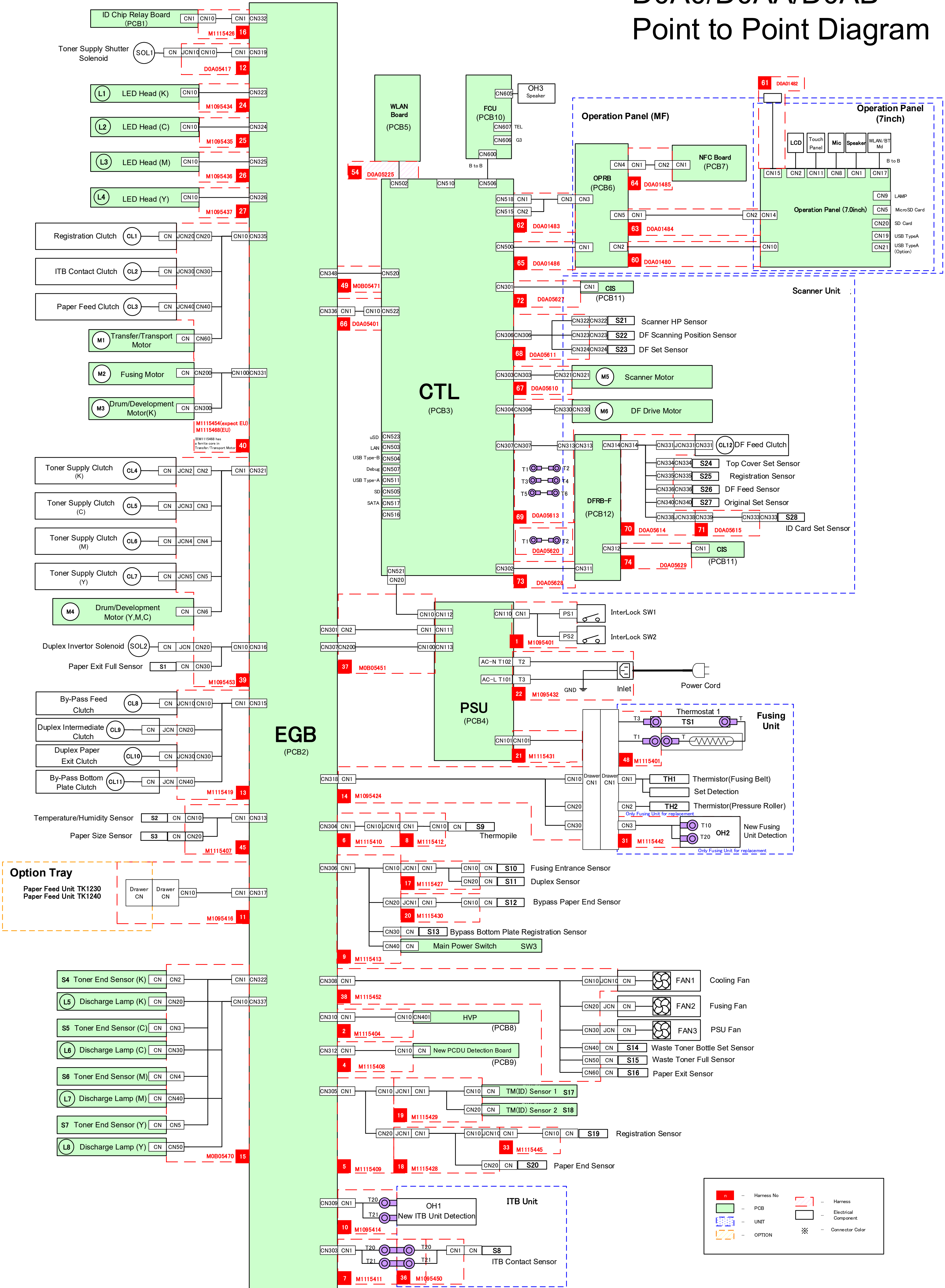


D0A0/D0AA/D0AB

Point to Point Diagram



M0B0 Point to Point Diagram



Legend for the harness diagram symbols:

-  -- Harness No
-  -- PCB
-  -- UNIT
-  -- OPTION
-  -- Harness
-  -- Electrical Component
-  -- Connector Color

D0A0/D0AA/D0AB/M0B0 Pin Assignment List

Harne ss	Harness P/N	CN (FROM)				Signal Info.				Relay Harness P/N	CN (TO)							
		No.	Destination No.	Device	Pin No.	Signal Name	Direction	L	H		No.	Destination No.	To Connector	Pin No.				
1	M1095401	CN1	CN110	PSU	1	+24V		-		-	PS1 PS2	-	Interlock SW1	1-1				
					2	+24V		-					Interlock SW2	2-1				
					3	N.C.		-					-	-				
					4	+24VS2		-					Interlock SW2	2-2				
					5	+24VS1		-					Interlock SW1	1-2				
2	M1115404	CN1	CN310	EGB	1	+24VS LPS		-		-	CN10	CN401	HVP	20				
					2	GND		-						19				
					3	HVP_ERR2_N	←	Error	Normal					18				
					4	HVP_ERR1_N	←	Error	Normal					17				
					5	CLBION_P	→	Stop	Drive					16				
					6	PWM_T2_+	→	Stop	Drive					15				
					7	PWM_T2_-	→	Stop	Drive					14				
					8	PWM_R_Y	→	Stop	Drive					13				
					9	PWM_R_M	→	Stop	Drive					12				
					10	PWM_R_C	→	Stop	Drive					11				
					11	PWM_R_K	→	Stop	Drive					10				
					12	PWM_T1	→	Stop	Drive					9				
					13	PWM_DV_Y	→	Stop	Drive					8				
					14	PWM_DV_M	→	Stop	Drive					7				
					15	PWM_DV_C	→	Stop	Drive					6				
					16	PWM_DV_K	→	Stop	Drive					5				
					17	PWM_C_Y	→	Stop	Drive					4				
					18	PWM_C_M	→	Stop	Drive					3				
					19	PWM_C_C	→	Stop	Drive					2				
					20	PWM_C_K	→	Stop	Drive					1				
4	M1115408	CN1	CN312	EGB	1	SEN_PCDUSET_Y_P	←	Not Set	Set	-	CN10	CN	New PCDU Detection Board	9				
					2	SEN_PCDUNEW_Y_P	←	Old	New					8				
					3	SEN_PCDUSET_M_P	←	Not Set	Set					7				
					4	SEN_PCDUNEW_M_P	←	Old	New					6				
					5	+24VS LPS		-						5				
					6	SEN_PCDUSET_C_P	←	Not Set	Set					4				
					7	SEN_PCDUNEW_C_P	←	Old	New					3				
					8	SEN_PCDUSET_K_P	←	Not Set	Set					2				
					9	SEN_PCDUNEW_K_P	←	Old	New					1				
5	M1115409	CN1	CN305	EGB	1	+3.3V		-		M1115429	CN10	JCN1	TM(ID) Sensor 1	5				
					2	GND		-						4				
					3	SEN_TM0PWM	→	OFF	ON					3				
					4	SEN_TM0D_A	←		Analog					2				
					5	SEN_TM0R_A	←		Analog					1				
					6	+3.3V		-					TM(ID) Sensor 2	5				
					7	GND		-						4				
					8	SEN_TM1PWM	→	OFF	ON					3				
					9	SEN_TM1D_A	←		Analog					2				
					10	SEN_TM1R_A	←		Analog					1				
					-	N.C.		-					M1115428 M1115445	CN20	JCN1	Registration Sensor	4	
					11	GND		-									3	
					12	SEN_REG_N	←	Paper Detected	Paper Not Detected								2	
					13	+5V_ODM		-								1		
					14	GND		-								Paper End Sensor	3	
					15	SEN_PAPEND_N	←	Paper Detected	Paper Not Detected								2	
					16	+5V		-		1								
6	M1115410	CN1	CN304	EGB	1	+5V_TMP		-		M1115412	JCN10	CN1	Thermopile	3				
					2	GND		-						2				
					3	TMP_A	←		Analog					1				
7	M1115411	CN1	CN303	EGB	1	+24VS LPS		-		M1095450	T20	T20	ITB Contact Sensor	2				
					2	SEN_1TCSP	←	Contact	Not Contact					1				
8	M1115412	CN1	JCN10		-	N.C.		-		-	CN10	CN	Thermopile	4				
					1	+5V_TMP		-						3				
					2	GND		-						2				
					3	TMP_A	←		Analog					1				
9	M1115413	CN1	CN306	EGB	1	GND		-		M1115427	CN10	JCN1	Fusing Entrance Sensor	3				
					2	SEN_PAPERON_P	←	Paper Detected	Paper Not Detected					2				
					3	+5V_ODM		-						1				
					4	GND		-					Duplex Entrance Sensor	3				
					5	SEN_DUP_N	←	Paper Detected	Paper Not Detected					2				
					6	+5V_ODM		-						1				
					7	GND		-		M1115430	CN20	JCN1	Bypass Paper End Sensor	3				
					8	SEN_HAND_N	←	Paper Detected	Paper Not Detected					2				
					9	+5V		-						1				
					10	GND		-		-	CN30	CN	Bypass Bottom Plate Registration Sensor	3				
					11	SEN_HAND_BP_P	←	Down	Up					2				
					12	+5V		-						1				
					13	PW_BTN_N	←	-	-	-	CN40	CN	Main Power Switch	2				
					14	GND		-						1				
10	M1095414	CN1	CN309	EGB	1	+24VS LPS		-		-	T20	-	New ITB Unit Detection	1				
					2	N.C.		-						-	-			
					3	SEN_MID_NEW_P	←	Old	New					1				
11	M1095416 (P2/MF2)	CN1	CN317	EGB	1	+5V		-		-	CN10	Drawer CN	Option Tray (Paper Feed Unit TK1240)	12				
					2	MCLK	→	-	-					11				
					3	GND		-						10				
					4	SCK	→	-	-					9				
					5	SID	←	-	-					8				
					6	SOD	→	-	-					7				
					7	GND		-						6				
					8	GND		-						5				
					9	+24VS LPS		-						4				
					10	+24VS LPS		-						3				
					-	N.C.		-						2				
					-	N.C.		-						1				
12	D0A05417	CN1	CN319	EGB	1	+24VS LPS		-						-	JCN10	CN	Toner Supply Shutter Solenoid	2
					2	SOL_UPCOVER_P	→	Stop	Drive									1
13	M1115419	CN1	CN315	EGB	1	+24V LPS		-		-	JCN10	CN	By-Pass Feed Clutch	2				
					2	CL_HAND_P	→	Stop	Drive					1				
					3	+24V LPS		-		-	CN20	JCN	Duplex Intermediate Clutch	2				
					4	CL_DUP_MID_P	→	Stop	Drive					1				
					5	+24V LPS		-		-	JCN30	CN	Duplex Paper Exit Clutch	3				
					-	N.C.		-						2				
					6	CL_DUP_OUT_P	→	Stop	Drive				1					
					-	N.C.		-		-	CN40	JCN	By-Pass Bottom Plate Clutch	3				
					7	+24V LPS		-						2				
					8	CL_HAND_PLA_P	→	Stop	Drive				1					
14	M1095424	CN1	CN318	EGB	1	SEN_FUSET_N	←	Set	Not Set	-	CN10	Drawer CN1	Fusing Set Detection	6				
					2	GND		-						5				
					3	NC_TH_RESERVE_A	←		Analog					4				
					4	GND		-						3				
					5	TH_FU_EDGE_A	←		Analog					2				
					6	GND		-						1				
					7	TH_HEAT_A	←		Analog				-	CN20	Thermistor(Pressure Roller)	4		
					8	GND		-								3		
					9	TH_EDGE_A	←		Analog							2		
					10	GND		-								1		
					11	+24VS2		-								New Fusing Unit Detection	2	
					12	SEN_FU_NEW_P	←	Old	New								1	
15	M0B05470	CN1	CN322	EGB	1	GND		-					-	CN2	CN		Toner End Sensor (K)	4
					2	SEN_TE_K_A	←		Analog							3		
					3	GND		-					2					
					4	SEN_TEON0_P	→	OFF	ON				1					
					5	GND		-		-	CN3	CN	Toner End Sensor (C)	4				
					6	SEN_TE_C_A	←		Analog					3				
					7	GND		-					2					
					8	SEN_TEON1_P	→	OFF	ON				1					
					9	GND		-		-	CN4	CN	Toner End Sensor (M)	4				
					10	SEN_TE_M_A	←		Analog					3				
					11	GND		-					2					
					12	SEN_TEON1_P	→	OFF	ON				1					
					13	GND		-		-	CN5	CN	Toner End Sensor (Y)	4				
					14	SEN_TE_Y_A	←		Analog					3				
					15	GND		-					2					
					16	SEN_TEON1_P	→	OFF	ON				1					
		CN10	CN337	EGB	1	QLBK_P	→	OFF	ON	-	CN20	CN	Discharge Lamp (Y)	2				
					2	+24V LPS		-						1				
					3	QLCOL_P	→	OFF	ON	-	CN30	CN	Discharge Lamp (M)	2				
					4	+24V LPS		-						1				
					5	QLCOL_P	→	OFF	ON	-	CN40	CN	Discharge Lamp (C)	2				
					6	+24V LPS		-						1				
					7	QLCOL_P	→	OFF	ON	-	CN50	CN	Discharge Lamp (K)	2				
					8	+24V LPS		-						1				

D0A0/D0AA/D0AB/M0B0 Pin Assignment List

Harness	Harness P/N	CN (FROM)				Signal Info.				Relay Harness P/N	CN (TO)				
		No.	Destination No.	Device	Pin No.	Signal Name	Direction	L	H		No.	Destination No.	To Connector	Pin No.	
16	M1115426	CN1	CN332	EGB	1	GND		-		-	CN10	CN1	ID Chip Relay Board	4	
					2	ID.SDA		-						3	
					3	ID.SCL	→	-						2	
					4	+3.3V.ID2		-						1	
17	M1115427	JCN1	CN10		1	GND		-		-	CN10	CN	Fusing Entrance Sensor	3	
					2	SEN.PAPERON.P	←	Paper Detected	Paper Not Detected					2	
					3	+5V.ODM		-						1	
					4	GND		-						3	
					5	SEN.DUP.N	←	Paper Detected	Paper Not Detected	2					
					6	+5V.ODM		-		1					
18	M1115428	JCN1	CN20		-	NC		-		M1115445	JCN10	CN1	Registration Sensor	4	
					1	GND		-						3	
					2	SEN.REG.N	←	Paper Detected	Paper Not Detected					2	
					3	+5V.ODM		-						1	
					4	GND		-		3					
					5	SEN.PAPEND.N	←	Paper Detected	Paper Not Detected	2					
19	M1115429	JCN1	CN10		6	+5V		-		-	CN10	CN	TM(ID) Sensor 1	1	
					1	+3.3V		-						5	
					2	GND		-						4	
					3	SEN.TM0PWM	→	OFF	ON					3	
					4	SEN.TM0R.A	←	Analog		2					
					5	SEN.TM0D.A	←	Analog		1					
					6	+3.3V		-		5					
					7	GND		-		4					
					8	SEN.TM1PWM	→	OFF	ON	3					
					9	SEN.TM1R.A	←	Analog		2					
20	M1115430	JCN1	CN20		10	SEN.TM1D.A	←	Analog		1					
					1	GND		-		3					
					2	SEN.HAND.N	←	Paper Detected	Paper Not Detected	2					
21	M1115431	CN101	CN101	PSU	3	+5V		-		-	Drawer CN1	-	Fusing Drawer(PSU)	1	
				-	N.C.		-		-						
				2	AC.N.HT		-		2						
				3	AC.L.HT		-		4						
				-	N.C.		-		3						
22	M1095432	T1	EARTH	PSU	1	EARTH		-		-	Earth	-	Inlet	3	
		T2	AC-N101		1	AC.IN.N		-						Inlet-N	1
		T3	AC-L102		1	AC.IN.L		-						Inlet-L	2
24	M1095434	-	CN323	EGB	1	GND		-		-	CN10	-	LEDA(K)	26	
				2	LEDA.K.CLK+	→	-		25						
				3	LEDA.K.CLK-	→	-		24						
				4	GND		-		23						
				5	LEDA.K.LOAD	→	-		22						
				6	LEDA.K.HSYNC.N	→	-		21						
				7	LEDA.K.DAT07	→	-		20						
				8	LEDA.K.DAT06	→	-		19						
				9	LEDA.K.DAT05	→	-		18						
				10	LEDA.K.DAT04	→	-		17						
				11	LEDA.K.DAT03	→	-		16						
				12	LEDA.K.DAT02	→	-		15						
				13	LEDA.K.DAT01	→	-		14						
				14	LEDA.K.DAT00	→	-		13						
				15	LEDA.K.STRB.N	→	-		12						
				16	LEDA.K.SCK	→	-		11						
				17	LEDA.K.SI	←	-		10						
				18	+3.3V		-		9						
				19	GND		-		8						
				20	+5V.LED		-		7						
				21	GND		-		6						
				22	+5V.LED		-		5						
				23	GND		-		4						
				24	+5V.LED		-		3						
				25	GND		-		2						
				26	+5V.LED		-		1						
25	M1095435	-	CN324	EGB	1	GND		-		-	CN10	-	LEDA(C)	26	
				2	LEDA.C.CLK+	→	-		25						
				3	LEDA.C.CLK-	→	-		24						
				4	GND		-		23						
				5	LEDA.C.LOAD	→	-		22						
				6	LEDA.C.HSYNC.N	→	-		21						
				7	LEDA.C.DAT07	→	-		20						
				8	LEDA.C.DAT06	→	-		19						
				9	LEDA.C.DAT05	→	-		18						
				10	LEDA.C.DAT04	→	-		17						
				11	LEDA.C.DAT03	→	-		16						
				12	LEDA.C.DAT02	→	-		15						
				13	LEDA.C.DAT01	→	-		14						
				14	LEDA.C.DAT00	→	-		13						
				15	LEDA.C.STRB.N	→	-		12						
				16	LEDA.C.SCK	→	-		11						
				17	LEDA.C.SI	←	-		10						
				18	+3.3V		-		9						
				19	GND		-		8						
				20	+5V.LED		-		7						
				21	GND		-		6						
				22	+5V.LED		-		5						
				23	GND		-		4						
				24	+5V.LED		-		3						
				25	GND		-		2						
				26	+5V.LED		-		1						
26	M1095436	-	CN325	EGB	1	GND		-		-	CN10	-	LEDA(M)	26	
				2	LEDA.M.CLK+	→	-		25						
				3	LEDA.M.CLK-	→	-		24						
				4	GND		-		23						
				5	LEDA.M.LOAD	→	-		22						
				6	LEDA.M.HSYNC.N	→	-		21						
				7	LEDA.M.DAT07	→	-		20						
				8	LEDA.M.DAT06	→	-		19						
				9	LEDA.M.DAT05	→	-		18						
				10	LEDA.M.DAT04	→	-		17						
				11	LEDA.M.DAT03	→	-		16						
				12	LEDA.M.DAT02	→	-		15						
				13	LEDA.M.DAT01	→	-		14						
				14	LEDA.M.DAT00	→	-		13						
				15	LEDA.M.STRB.N	→	-		12						
				16	LEDA.M.SCK	→	-		11						
				17	LEDA.M.SI	←	-		10						
				18	+3.3V		-		9						
				19	GND		-		8						
				20	+5V.LED		-		7						
				21	GND		-		6						
				22	+5V.LED		-		5						
				23	GND		-		4						
				24	+5V.LED		-		3						
				25	GND		-		2						
				26	+5V.LED		-		1						
27	M1095437	-	CN326	EGB	1	GND		-		-	CN10	-	LEDA(Y)	26	
				2	LEDA.Y.CLK+	→	-		25						
				3	LEDA.Y.CLK-	→	-		24						
				4	GND		-		23						
				5	LEDA.Y.LOAD	→	-		22						
				6	LEDA.Y.HSYNC.N	→	-		21						
				7	LEDA.Y.DAT07	→	-		20						
				8	LEDA.Y.DAT06	→	-		19						
				9	LEDA.Y.DAT05	→	-		18						
				10	LEDA.Y.DAT04	→	-		17						
				11	LEDA.Y.DAT03	→	-		16						
				12	LEDA.Y.DAT02	→	-		15						
				13	LEDA.Y.DAT01	→	-		14						
				14	LEDA.Y.DAT00	→	-		13						
				15	LEDA.Y.STRB.N	→	-		12						
				16	LEDA.Y.SCK	→	-		11						
				17	LEDA.Y.SI	←	-		10						
				18	+3.3V		-		9						
				19	GND		-		8						
				20	+5V.LED		-		7						
				21	GND		-		6						
				22	+5V.LED		-		5						
				23	GND		-		4						
				24	+5V.LED		-		3						
				25	GND		-		2						
				26	+5V.LED		-		1						

D0A0/D0AA/D0AB/M0B0 Pin Assignment List

Harne ss	Harness P/N	CN (FROM)				Signal Info.				Relay Harness P/N	CN (TO)								
		No.	Destination No.	Device	Pin No.	Signal Name	Direction	L	H		No.	Destination No.	To Connector	Pin No.					
31	M1115442	CN3	CN1 Drawer(PSU)	Fusing Drawer	1	+24VS2		-		-	T10	-	New Fusing Unit Detection	1					
33	M1115445	CN1	JCN10		2	SEN_FU_NEW_P	←	Old	New	-	T20	-	Registration Sensor	1					
					1	N.C.		-		-	-								
					2	GND		-											
					3	SEN_REG_N	←	Paper Detected	Paper Not Detected										
					4	+5V ODM		-											
36	M1095450	T20	T20		1	+24VS LPS		-		-	CN1	CN	ITB Contact Sensor	1					
		T21	T21		1	SEN_1TCSP	←	-	-			2							
37	M0B05451	CN2	CN301	EGB	1	GND		-		-	CN1	CN111	PSU	10					
					2	+24VS LPS		-						9					
					3	GND		-						8					
					4	+24V LPS		-						7					
					5	GND		-						6					
					6	+24VS2		-						5					
					7	GND		-						4					
					8	GND		-						3					
					9	+24VS1		-						2					
					10	+24VS1		-						1					
		CN20	CN302	CTL	1	GND		-		-	-	CN10	CN112	PSU	4				
					2	GND		-			3								
					3	+5VX		-			2								
					4	+5VX		-			1								
		CN200	CN307	EGB	1	HT_TRG_P	→	-		-	-	CN100	CN113	PSU	6				
					2	ACV	←	-			5								
					3	ZEROX1_N	←	-			4								
					4	FUHT_RLY_TRG1_P	→	-			3								
					5	PONENG_N	→	-			2								
					6	GND		-			1								
38	M1115452	CN1	CN308	EGB	1	FAN_MIN_P	→	Stop	Drive	-	JCN10	CN	Cooling Fan	3					
					2	FAN_MINLOCK_N	←	Normal	Error					2					
					3	GND		-						1					
					4	FAN_FU_P	→	Stop	Drive	-	CN20	JCN	Fusing Fan	3					
					5	FAN_FULOCK_N	←	Normal	Error					2					
					6	GND		-						1					
					7	FAN_PSU_P	→	Stop	Drive	-	CN30	JCN	PSU Fan	3					
					8	FAN_PSULOCK_N	←	Normal	Error					2					
					9	GND		-						1					
					10	SEN_TONERBTL_N	←	Set	Not Set	-	CN40	CN	Waste Toner Bottle Set Sensor	2					
					11	GND		-						1					
					12	GND		-		-	CN50	CN	Waste Toner Full Sensor	3					
					13	SEN_TONERFULL_P	←	Full	Not Full					2					
					14	+5V ODM		-						1					
					15	GND		-		-	CN60	CN	Paper Exit Sensor	3					
					16	SEN_PAPOUT_N	←	Paper Detected	Paper Not Detected					2					
					17	+5V ODM		-						1					
39	M1095453	CN1	CN321	EGB	1	+24V LPS		-		-	JCN2	CN	Toner Supply Clutch (K)	2					
					2	CL_TR_K_P	→	Stop	Drive					1					
					3	+24V LPS		-		-	JCN3	CN	Toner Supply Clutch (C)	2					
					4	CL_TR_C_P	→	Stop	Drive					1					
					5	+24V LPS		-		-	JCN4	CN	Toner Supply Clutch (M)	2					
					6	CL_TR_M_P	→	Stop	Drive					1					
					7	+24V LPS		-		-	JCN5	CN	Toner Supply Clutch (Y)	2					
					8	CL_TR_Y_P	→	Stop	Drive					1					
					9	DM_COLGAIN	→	Half Speed	Std Speed	-	CN6	CN	Drum/Development Motor (Y,M,C)	11					
					10	DM_COLCLK	→	Stop	Drive					10					
					11	DM_COLBK_P	→	Stop	Drive					9					
					12	DM_COLON_N	→	Start	Stop					8					
					13	DM_COLLOCK_N	←	Normal	Error					7					
					14	GND		-						6					
					15	GND		-						5					
					16	GND		-						4					
					17	+24VS1		-						3					
					18	+24VS1		-						2					
					19	+24VS1		-						1					
		CN10	CN316	EGB	1	+24V LPS		-		-	-	CN20	JCN	Paper Exit Reverse Drive Solenoid	2				
					2	SOL_PAPOUT_P	→	Stop	Drive		1								
					3	GND		-		-	CN30	CN	Paper Exit Full Sensor	3					
					4	SEN_PEFULL_N	←	Paper Detected	Paper Not Detected					2					
					5	+5V ODM		-						1					
40	M1115454 (NA,TWN,CHN) M1115468 (EU)	CN10	CN335	EGB	1	+24V LPS		-		-	JCN20	CN	Registration Clutch	2					
					2	CL_REG_P	→	Stop	Drive					1					
					3	+24V LPS		-		-	JCN30	CN	ITB Contact Clutch	2					
					4	CL_1TCSP_P	→	Stop	Drive					1					
					5	+24V LPS		-		-	JCN40	CN	Paper Feed Clutch	3					
					6	CL_PAP_P	→	Stop	Drive					2					
					-	N.C.		-						1					
					7	+24V LPS		-		-	-	-	-	-					
					8	CL_MID_P	→	-			CN60	CN	Transfer/Transport Motor	-					
					9	DM_MIDFEEDGAIN	→	Half Speed	Std Speed	-				10					
					10	DM_MIDFEEDCLK	→	-						9					
					11	DM_MIDFEEDBK_P	→	Stop	Drive					8					
					12	DM_MIDFEEDCW	→	Forward	Reverse					7					
					13	DM_MIDFEEDON_N	→	Start	Stop					6					
					14	DM_MIDFEEDLOCK_N	←	Drive	Stop					5					
					15	GND		-						4					
					16	GND		-						3					
					17	+24VS2		-						2					
					18	+24VS2		-						1					
		CN100	CN331	EGB	1	DM_FUGAIN	→	Half Speed	Std Speed	-	CN200	CN	Fusing Motor	9					
					2	DM_FUCLK	→	-						8					
					3	GND	-	Forward	Reverse					7					
					4	DM_FUON_N	→	Start	Stop					6					
					5	DM_FULOCK_N	←	Drive	Stop					5					
					6	GND		-						4					
					7	GND		-						3					
					8	+24VS1		-						2					
					9	+24VS1		-						1					
					10	DM_BWGAIN	→	Half Speed	Std Speed	-	CN300	CN	Drum/Development Motor (K)	10					
					11	DM_BWCLK	→	-						9					
					12	DM_BWBK_P	→	Stop	Drive					8					
45	M1115407	CN1	CN313	EGB	1	SEN_TEMP_A	←	-	Analog	-	CN10	CN	Temperature/Humidity Sensor	4					
					2	GND		-						3					
					3	SEN_HUM_A	←	-	Analog					2					
					4	+3.3V		-						1					
					5	SEN_PSIZEO_N	←	-	-	-	CN20	CN	Paper Size Sensor	4					
					6	GND		-						3					
					7	SEN_PSIZE1_N	←	-	-					2					
					8	SEN_PSIZE2_N	←	-	-					1					
					48	M1115401	CN1 Drawer (Fusing)	CN1 Drawer (PSU)	Fusing Drawer (PSU)	1	N.C.		-		-	-	-	Fusing Heater	-
										2	AC_N_LHT		-		-	T1	T	1	
										3	N.C.		-		-	-	-	Thermostat 1	-
										4	AC_L_LHT		-		-	T3	-	-	

D0A0/D0AA/D0AB Pin Assignment List

Harne ss	Harness P/N	CN (FROM)				Signal Info.				Relay Harness P/N	CN (TO)				
		No.	Destination No.	Device	Pin No.	Signal Name	Direction	L	H		No.	Destination No.	To Connector	Pin No.	
49	M0B05471	CN348	-	EGB	1	+5VX		-		-	CN520	-	CTL	50	
					2	+5VX		-						49	
					3	+5VX		-						48	
					4	+5VX		-						47	
					5	+5VX		-						46	
					6	+5VX		-						45	
					7	PONENG_N	←		-					44	
					8	PW_BTN_N	→		-					43	
					9	GND		-						42	
					10	VDET_EPCI	→		-					41	
					11	TIMER_UP1_N	←		-					40	
					12	TIMER_UP0_N	←		-					39	
					13	PREQ_N	←		-					38	
					14	ENG_ENABLE_N	←		-					37	
					15	FUKKI	←		-					36	
					16	TIMER_UP2_N	←		-					35	
					17	ENGRDY_N	→		-					34	
					18	IREADY_N	→		-					33	
					19	STATUS	→		-					32	
					20	GND		-						31	
					21	COMMAND	←		-					30	
					22	VFGATE0_N	→		-					29	
					23	VFGATE1_N	→		-					28	
					24	VFGATE2_N	→		-					27	
					25	VFGATE3_N	→		-					26	
					26	MLSYNC_N	→		-					25	
					27	GND		-						24	
					28	CLK_IP	←		-					23	
					29	GND		-						22	
					30	IPDAT30	←		-					21	
					31	IPDAT31	←		-					20	
					32	IPDAT32	←		-					19	
					33	IPDAT33	←		-					18	
					34	GND		-						17	
					35	IPDAT20	←		-					16	
					36	IPDAT21	←		-					15	
					37	IPDAT22	←		-					14	
					38	IPDAT23	←		-					13	
					39	GND		-						12	
					40	IPDAT10	←		-					11	
					41	IPDAT11	←		-					10	
					42	IPDAT12	←		-					9	
					43	IPDAT13	←		-					8	
					44	GND		-						7	
					45	IPDAT00	←		-					6	
					46	IPDAT01	←		-					5	
					47	IPDAT02	←		-					4	
					48	IPDAT03	←		-					3	
					49	GND		-						2	
					50	IPLGATE_N	←		-					1	
54	D0A05225 M0B05225	CN502	-	CTL	1	Reserved (WLAN_REQ_N)		-		-	J3	-	WLAN	16	
					2	WLAN_PD_N	→	Power OFF	Power ON					15	
					3	3.3VE	-	-						14	
					4	GND	-	-						13	
					5	SD_WLAN_CLK	→	-						12	
					6	GND	-	-						11	
					7	SD_WLAN_DATA3	↔	-						10	
					8	SD_WLAN_DATA2	↔	-						9	
					9	SD_WLAN_DATA1	↔	-						8	
					10	SD_WLAN_DATA0	↔	-						7	
					11	SD_WLAN_CMD	↔	-						6	
					12	N.C.	-	-						5	
					13	N.C.	-	-						4	
					14	N.C.	-	-						3	
					15	N.C.	-	-						2	
					60	D0A01480	CN10	-	Operation Panel (7.0inch)					1	VBUS
2	D-	↔	-							2					
3	D+	↔	-							3					
4	ID (MLT_TLG_N)	↔	Interrupt Detection	Normal						4					
5	GND		-							5					
6	MicB_SSRX-	↔	-							6					
7	MicB_SSRX+	↔	-							7					
8	GND_DRAIN		-							8					
9	MicB_SSTX-	→	-							9					
10	MicB_SSTX+	→	-							10					
61	D0A01482	CN15	-	OPRB	1	VBUS	-	-		-	CN2	CN1	NFC Board	1	
					2	D-	↔	-						2	
					3	D+	↔	-						3	
					4	ID	-	-						4	
					5	GND		-						5	
62	D0A01483	CN1	CN518	CTL	1	GND		-		-	CN3	-	OPRB	15	
					2	GND		-						14	
					3	GND		-						13	
					4	SCR_EN	→	Not CTL	CTL					12	
					5	SC672_DET	←	Not Detected	Detected					11	
					6	SC672_ERR1	↔	Replace CTL	Replace Cables					10	
					7	5VX		-						9	
					8	5VX		-						8	
					9	5VX		-						7	
					10	N.C.		-						-	
62		CN2	CN515	CTL	11	MLT_TLG_N	↔	Interrupt Detection	Normal	-	CN3	-	OPRB	6	
					1	3.3VE		-						5	
					2	I2C_NFC_SDA	↔	-						4	
					3	I2C_NFC_SCL	↔	-						3	
					4	NFC_REQ_N	←	Interrupt Detection	Normal					2	
D0A01484	CN2	CN14	Operation Panel (7.0inch)	5	GND		-		-	CN1	CN5	OPRB	1		
				6	N.C.		-						-		
				1	VBUS		-						9		
				2	VBUS		-						8		
				3	VBUS		-						7		
				4	SC672_ERR1	↔	Replace CTL	Replace Cables					6		
				5	SC672_DET_N	→	Not Detected	Detected				5			
D0A05485	CN1	CN4	OPRB	6	SCR_EN	←	Not CTL	CTL	-	CN2	CN1	NFC	4		
				7	GND		-						3		
				8	GND		-						2		
				9	GND		-						1		
				1	3.3VE		-						5		
				2	I2C_SDA	↔	-						4		
				3	I2C_SCL	→	-					3			
65	D0A01486	CN500	-	CTL	4	IRQ_N	←	Interrupt Detection	Normal	-	CN10	CN522	CTL	2	
					5	GND		-						1	
					1	VBUS		-						5	
					2	D-	↔	-						2	
					D0A05401	CN1	CN336	EGB	3				D+	↔	-
4	ID (MLT_TLG_N)	↔	Interrupt Detection	Normal					4						
5	GND		-						5						
6	MicB_SSRX-	↔	-						6						
D0A05610	CN303	CN303	CTL	7	MicB_SSRX+	↔	-		-	CN321	CN321	Scanner Motor	7		
				8	GND_DRAIN		-						8		
				9	MicB_SSTX-	→	-						9		
				10	MicB_SSTX+	→	-					10			
66	D0A05401	-	-	-	1	N.C.		-		-	CN10	CN522	CTL	5	
					1	GND		-						4	
					2	GND		-						3	
					3	+24V_LPS		-					2		
67	D0A05610	CN303	CN303	CTL	4	+24V_LPS		-		-	CN321	CN321	Scanner Motor	2	
					1	A	↔	-						4	
					2	B-	↔	-						3	
					3	A-	↔	-					2		
68	D0A05610	CN303	CN303	CTL	4	B-	↔	-		-	CN321	CN321	Scanner Motor	1	
					1	A	↔	-						4	
					2	B-	↔	-						3	
					3	A-	↔	-					2		

MOB0 Pin Assignment List

Harne ss	Harness P/N	CN (FROM)				Signal Info.				Relay Harness P/N	CN (TO)												
		No.	Destination No.	Device	Pin No.	Signal Name	Direction	L	H		No.	Destination No.	To Connector	Pin No.									
49	M0B05471	CN348	-	EGB	1	+5VX		-		-	CN520	-	CTL	50									
					2	+5VX		-						49									
					3	+5VX		-						48									
					4	+5VX		-						47									
					5	+5VX		-						46									
					6	+5VX		-						45									
					7	PONENG_N	←		-					44									
					8	PW_BTN_N	→		-					43									
					9	GND		-						42									
					10	VDET_EPCI	→		-					41									
					11	TIMER_UP1_N	←		-					40									
					12	TIMER_UP0_N	←		-					39									
					13	PREQ_N	←		-					38									
					14	ENG_ENABLE_N	←		-					37									
					15	FUKKI	←		-					36									
					16	TIMER_UP2_N	←		-					35									
					17	ENGRDY_N	→		-					34									
					18	IREADY_N	→		-					33									
					19	STATUS	→		-					32									
					20	GND		-						31									
					21	COMMAND	←		-					30									
					22	VFGATE0_N	→		-					29									
					23	VFGATE1_N	→		-					28									
					24	VFGATE2_N	→		-					27									
					25	VFGATE3_N	→		-					26									
					26	MLSYNC_N	→		-					25									
					27	GND		-						24									
					28	CLK_IP	←		-					23									
					29	GND		-						22									
					30	IPDAT30	←		-					21									
					31	IPDAT31	←		-					20									
					32	IPDAT32	←		-					19									
					33	IPDAT33	←		-					18									
					34	GND		-						17									
					35	IPDAT20	←		-					16									
					36	IPDAT21	←		-					15									
					37	IPDAT22	←		-					14									
					38	IPDAT23	←		-					13									
					39	GND		-						12									
					40	IPDAT10	←		-					11									
					41	IPDAT11	←		-					10									
					42	IPDAT12	←		-					9									
					43	IPDAT13	←		-					8									
					44	GND		-						7									
					45	IPDAT00	←		-					6									
					46	IPDAT01	←		-					5									
					47	IPDAT02	←		-					4									
					48	IPDAT03	←		-					3									
					49	GND		-						2									
					50	IPLGATE_N	←		-					1									
50	M0B01480	CN1	CN501	CTL	1	FG.OPU		-		-	CN3	CN3	OPRB	15									
					2	GND		-						14									
					3	PANEL_IRQ_N	←	Interrupt Detection	Normal					13									
					4	OPE_RST_N	→	Reset	Normal					12									
					5	N.C.		-						11									
					6	N.C.(PW_BTN_N)	-		-					10									
					7	3.3VE		-						9									
					8	UART_RXD	↔		-					8									
					9	5VE		-						7									
					10	UART_TXD	↔		-					6									
		CN2	CN515	CTL	1	3.3VE		-						5									
					2	I2C.SDA	↔		-					4									
					3	I2C.SCL	→		-					3									
					4	IRQ_N	←	Interrupt Detection	Normal					2									
					5	GND		-						1									
					6	N.C.		-						-									
					51	M0B01481	CN500	-	CTL					1	VBUS		-		-	CN1	-	OPRB	1
														2	D-	↔		-					2
														3	D+	↔		-					3
														4	ID		-						4
														5	GND		-						5
														6	MicB_SSRX-(N.C.)		-						-
														7	MicB_SSRX+(N.C.)		-						-
														8	GND_DRAIN(N.C.)		-						-
														9	MicB_SSTX-(N.C.)		-						-
														10	MicB_SSTX+(N.C.)		-						-
52	M0B01482	CN1	CN1	Operation Panel (4-line LCD)	1	UART_TXD	↔			-	CN2	CN4	OPRB	10									
					2	5VE		-						9									
					3	UART_RXD	↔		-					8									
					4	3.3VE		-						7									
					5	N.C.(PW_BTN_N)	-		-					6									
					6	N.C.		-						5									
					7	OPE_RST_N	←	Reset	Normal					4									
					8	PANEL_IRQ_N	→	Interrupt Detection	Normal					3									
					9	GND		-						2									
					10	FG.OPU		-						1									
53	M0B01483	CN1	CN5	OPRB	1	3.3VE		-		-	CN2	CN1	NFC Board	5									
					2	I2C.SDA	↔		-					4									
					3	I2C.SCL	→		-					3									
					4	IRQ_N	←	Interrupt Detection	Normal					2									
					5	GND		-						1									
54	M0B05225	CN502	-	CTL	1	Reserved (WLAN_REQ_N)	-		-	-	J3	-	WLAN	16									
					2	WLAN_PD_N	→	Power OFF	Power ON					15									
					3	3.3VE	-		-					14									
					4	GND	-		-					13									
					5	SD_WLAN_CLK	→		-					12									
					6	GND	-		-					11									
					7	SD_WLAN_DATA3	↔		-					10									
					8	SD_WLAN_DATA2	↔		-					9									
					9	SD_WLAN_DATA1	↔		-					8									
					10	SD_WLAN_DATA0	↔		-					7									
					11	SD_WLAN_CMD	↔		-					6									
					12	N.C.	-		-					5									
					13	N.C.	-		-					4									
					14	N.C.	-		-					3									
					15	N.C.	-		-					2									
					16	GND	-		-					1									

D0A0/D0AA/D0AB Pin Assignment List

Harne ss	Harness P/N	CN (FROM)				Signal Info.				Relay Harness P/N	CN (TO)								
		No.	Destination No.	Device	Pin No.	Signal Name	Direction	L	H		No.	Destination No.	To Connector	Pin No.					
68	D0A05611	CN306	CN306	CTL	1	GND		-		-	CN322	CN322	Scanner HP Sensor	3					
					2	FB.HPS.N	←	HP Outside	HP Inside					2					
					3	+5V.SCN		-						1					
					4	GND		-		-	CN323	CN323	DF Scanning Position Sensor	3					
					5	FB.DFS.N	←	DFP Outside	DFP Inside					2					
					6	+5V.SCN		-						1					
					7	GND		-		-	CN324	CN324	DF Set Sensor	3					
					8	AKS	←	Cover Open	Cover Close					2					
					9	+5VE.Z		-						1					
					69	D0A05613	CN304	CN304	CTL	1	DF.MOT.M	↔	-		-	CN330	CN330	DF Drive Motor	6
										2	DF.MOT.P	↔	-						5
										3	+5V.SCN		-						4
										4	GND		-						3
										5	ENC.B	←	-						2
										6	ENC.A	←	-						1
CN307	CN307	CTL	1	SCN.CL			←	ON	OFF	-	CN313	CN313	DFRB	14					
			2	+24V.CL				-						13					
			3	+5VE.Z				-						12					
			4	DF.DOC.N			←	Paper Not Detected	Paper Detected					11					
			5	GND.D				-						10					
			6	DF.SET.N			←	Paper Detected	Paper Not Detected					9					
			7	DF.CVR.N			←	Cover Open	Cover Close					8					
			8	GND.D				-						7					
			9	+5V.SCN				-						6					
			10	DF.REG.N			←	Paper Not Detected	Paper Detected					5					
			11	GND.D				-						4					
			12	DF.FEED.N			←	Paper Not Detected	Paper Detected					3					
			13	GND.D				-						2					
			14	DF.DOCM.N			←	Paper Detected	Paper Not Detected					1					
T1	-	-	1	FG				-		-	T2	-	FG	1					
T3	-	-	1	FG				-		-	T4	-	FG	1					
T5	-	-	1	FG				-		-	T6	-	FG	1					
70	D0A05614	CN314	CN314	DFRB			1	SCL.CL	←	ON	OFF	-	JCN331	CN331	DF Feed Clutch	2			
							2	+24V.CL		-						1			
							3	N.C.		-						-			
							4	N.C.		-						-			
					5	N.C.		-		-	CN340	CN340	Original Set Sensor	3					
					6	GND.D		-						2					
					7	DF.SET.N	←	Paper Detected	Paper Not Detected					1					
					8	+5VE.Z		-						3					
					9	GND.D		-		-	CN334	CN334	Top Cover Set Sensor	2					
					10	DF.CVR.N	←	Cover Open	Cover Close					1					
					11	+5V.SCN		-						3					
					12	GND.D		-						2					
					13	DF.REG.N	←	Paper Not Detected	Paper Detected	-	CN335	CN335	Registration Sensor	1					
					14	+5V.SCN		-						3					
					15	GND.D		-						2					
					16	DF.FEED.N	←	Paper Not Detected	Paper Detected	-	CN336	CN336	DF Feed Sensor	1					
					17	+5V.SCN		-						3					
					18	GND.D		-						2					
					19	DF.DOCM.N	←	Paper Detected	Paper Not Detected					1					
					71	D0A05615	CN339	JCN338		20	+5V.SCN		-		-	CN333	CN333	Bypass Paper End Sensor	3
1	GND.D		-							2									
2	DF.DOCM.N	←	Paper Detected	Paper Not Detected						1									
72	D0A05627	CN301	-	CTL	1	FB.LED2.ANODE	→	-		-	CN1	-	CIS	20					
					2	FB.LED2.R	←	OFF	ON					19					
					3	FB.LED2.B	←	OFF	ON					18					
					4	FB.LED2.G	←	OFF	ON					17					
					5	FB.LED1.ANODE	→	-						16					
					6	FB.LED1.R	←	OFF	ON					15					
					7	FB.LED1.B	←	OFF	ON					14					
					8	FB.LED1.G	←	OFF	ON					13					
					9	GND		-						12					
					10	FB.VOUT2	←	-	Analog					11					
					11	GND		-						10					
					12	FB.VOUT1	←	-	Analog					9					
					13	GND		-						8					
					14	FB.VOUT0	←	-	Analog					7					
					15	FB.MODE	→	-						6					
					16	GND		-						5					
					17	FB.VCC		-						4					
					18	FB.REF		-						3					
					19	FB.SP	→	-						2					
					73	D0A05628	CN302	-	CTL					20	FB.CLK	→	-		-
1	DF.LED2.ANODE	→	-							20									
2	DF.LED2.R	←	OFF	ON						19									
3	DF.LED2.B	←	OFF	ON						18									
4	DF.LED2.G	←	OFF	ON						17									
5	DF.LED1.ANODE	→	-							16									
6	DF.LED1.R	←	OFF	ON						15									
7	DF.LED1.B	←	OFF	ON						14									
8	DF.LED1.G	←	OFF	ON						13									
9	GND		-							12									
10	DF.VOUT2	←	-	Analog						11									
11	GND		-							10									
12	DF.VOUT1	←	-	Analog						9									
13	GND		-							8									
14	DF.VOUT0	←	-	Analog						7									
15	DF.MODE	→	-							6									
16	GND		-							5									
17	DF.VCC		-							4									
18	DF.REF		-							3									
19	DF.SP	→	-							2									
74	D0A05629	CN312	-	DFRB	20	DF.CLK	→	-		-	CN1	-	CIS	1					
					1	DF.LED2.ANODE	→	-						20					
					2	DF.LED2.R	←	OFF	ON					19					
					3	DF.LED2.B	←	OFF	ON					18					
					4	DF.LED2.G	←	OFF	ON					17					
					5	DF.LED1.ANODE	→	-						16					
					6	DF.LED1.R	←	OFF	ON					15					
					7	DF.LED1.B	←	OFF	ON					14					
					8	DF.LED1.G	←	OFF	ON					13					
					9	GND		-						12					
					10	DF.VOUT2	←	-	Analog					11					
					11	GND		-						10					
					12	DF.VOUT1	←	-	Analog					9					
					13	GND		-						8					
					14	DF.VOUT0	←	-	Analog					7					
					15	DF.MODE	→	-						6					
					16	GND		-						5					
					17	DF.VCC		-						4					
					18	DF.REF		-						3					
					19	DF.SP	→	-						2					
20	DF.CLK	→	-		1														

M0B0/D0A0/D0AA/D0AB ELECTRICAL COMPONENT LAYOUT

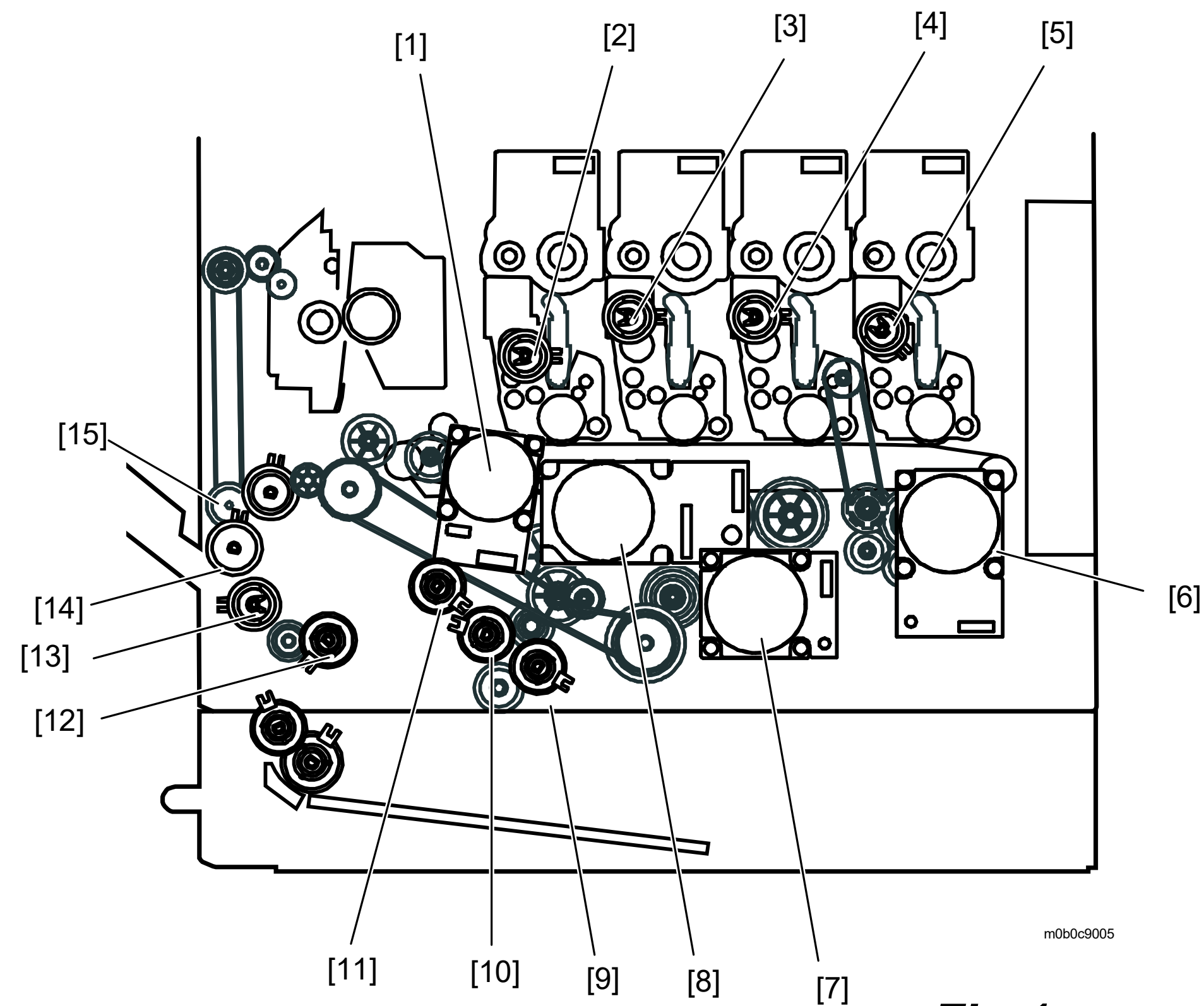


Fig.1

m0b0c9005

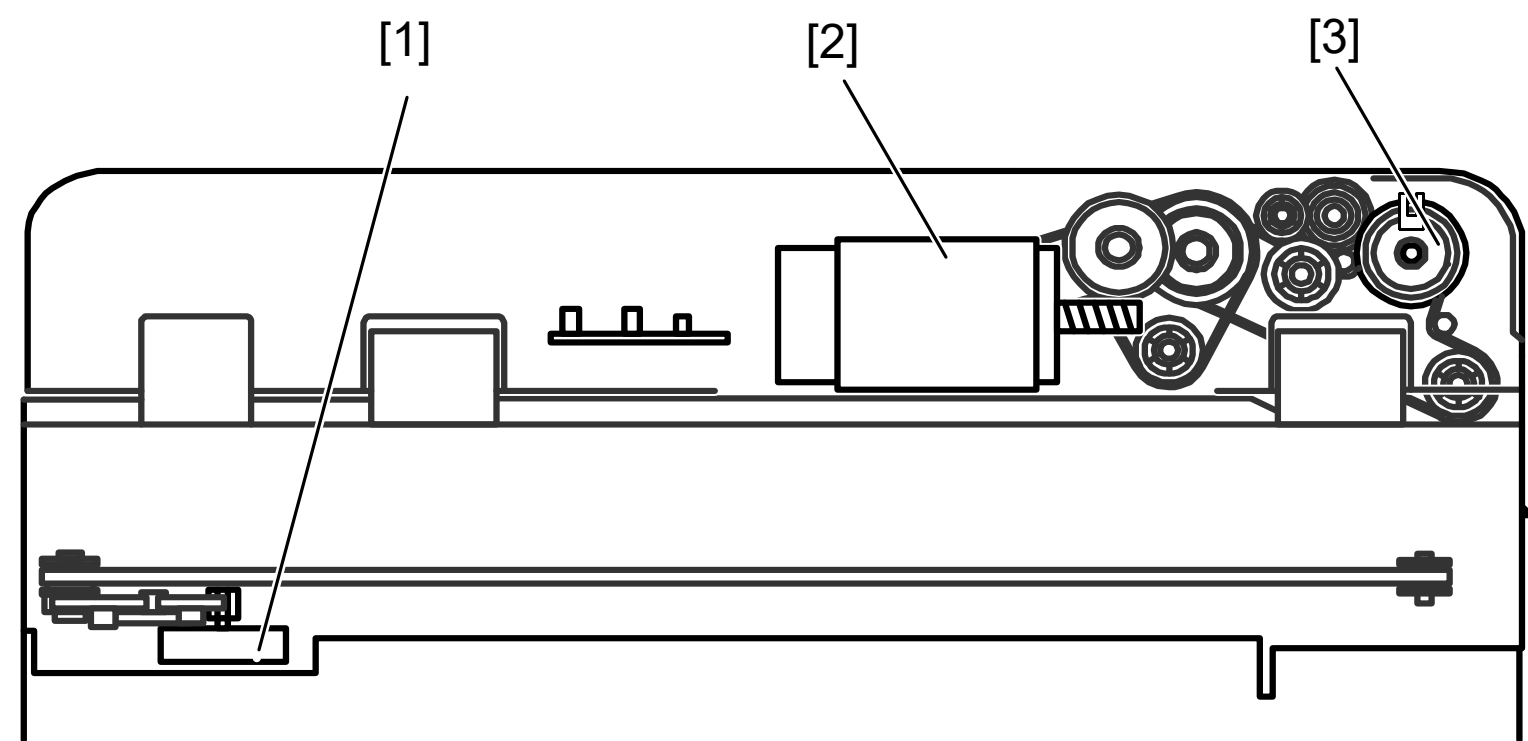


Fig.2

m0b0c9006

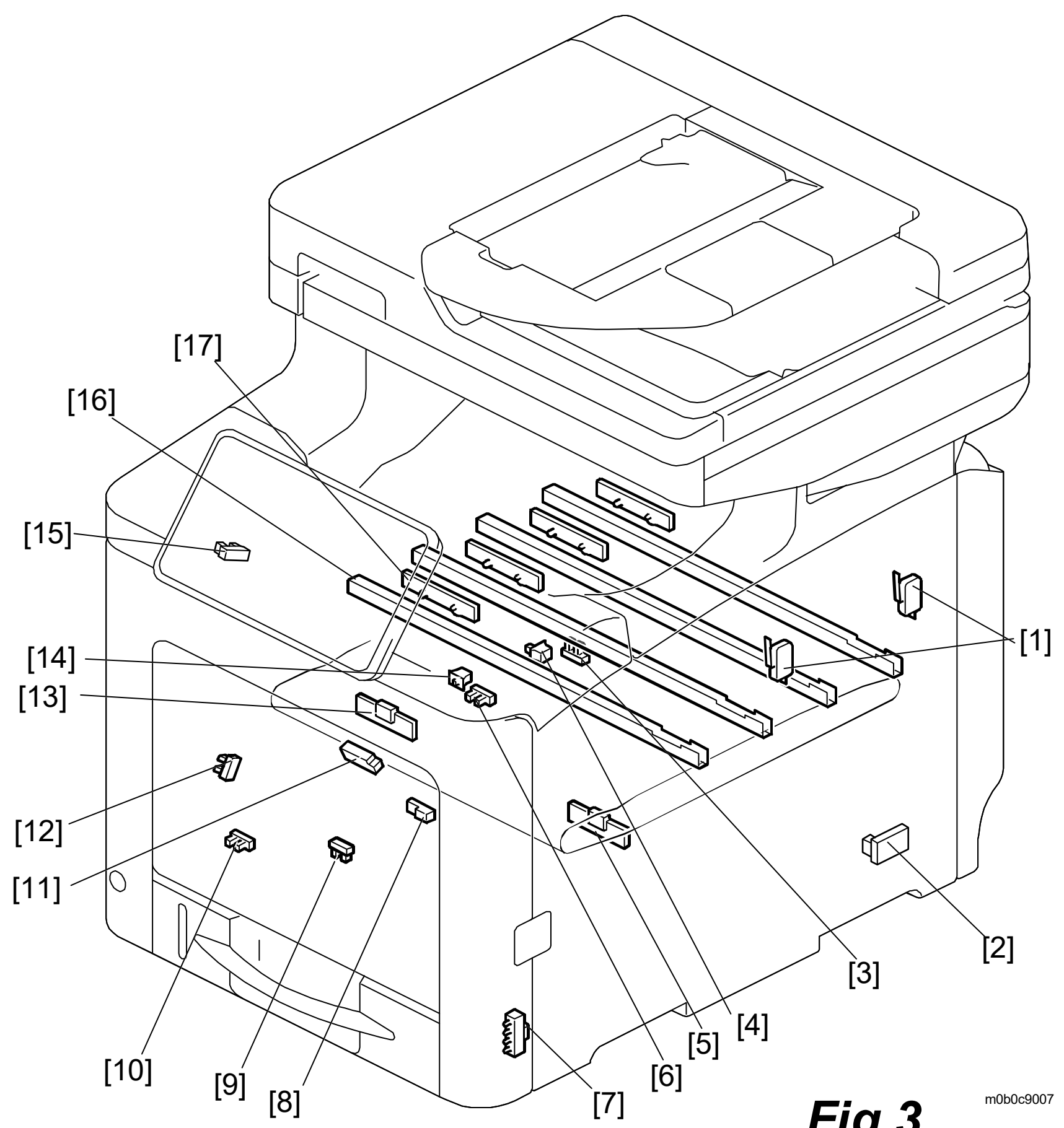


Fig.3

m0b0c9007

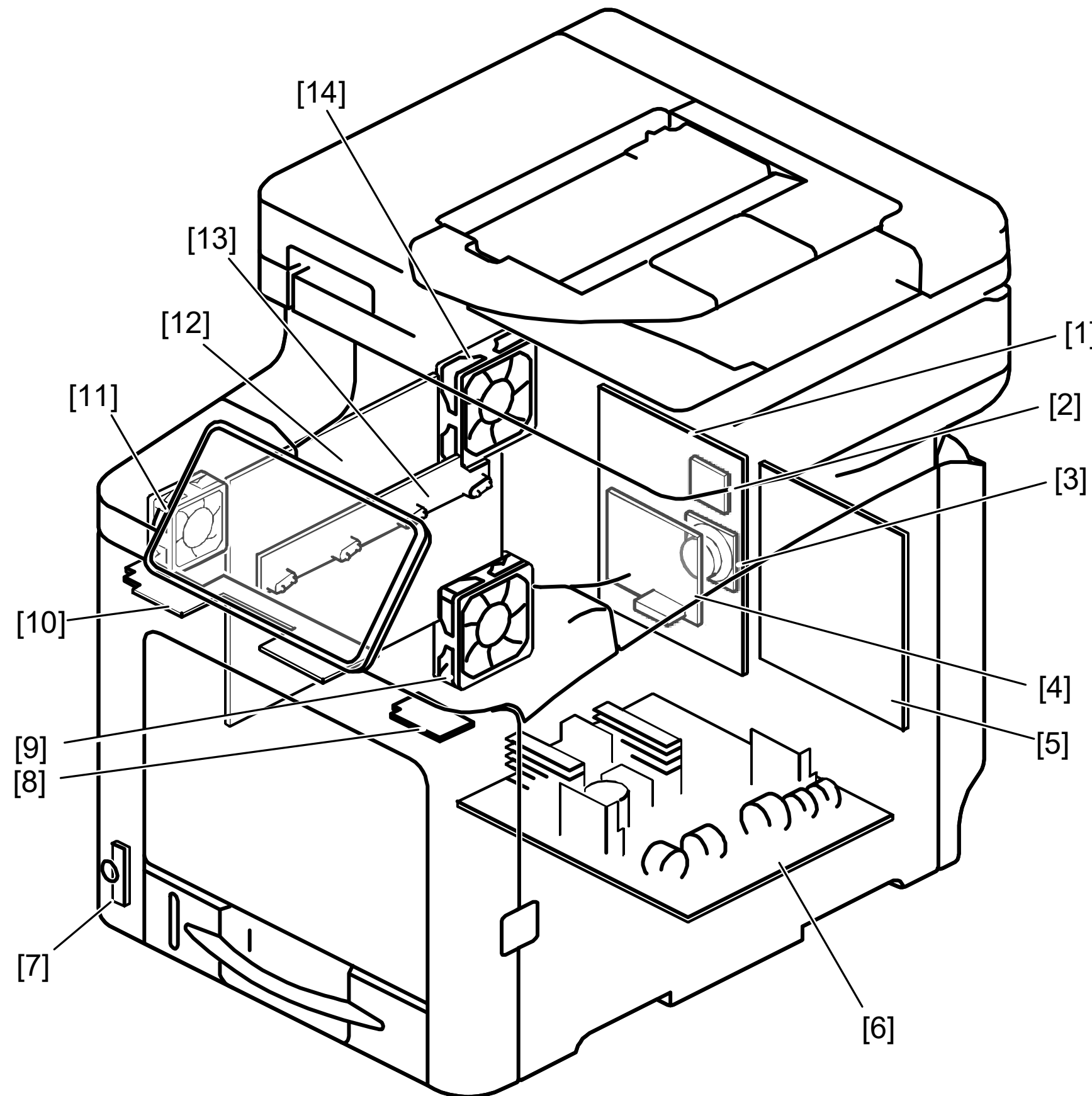


Fig.4

m0b0c9008

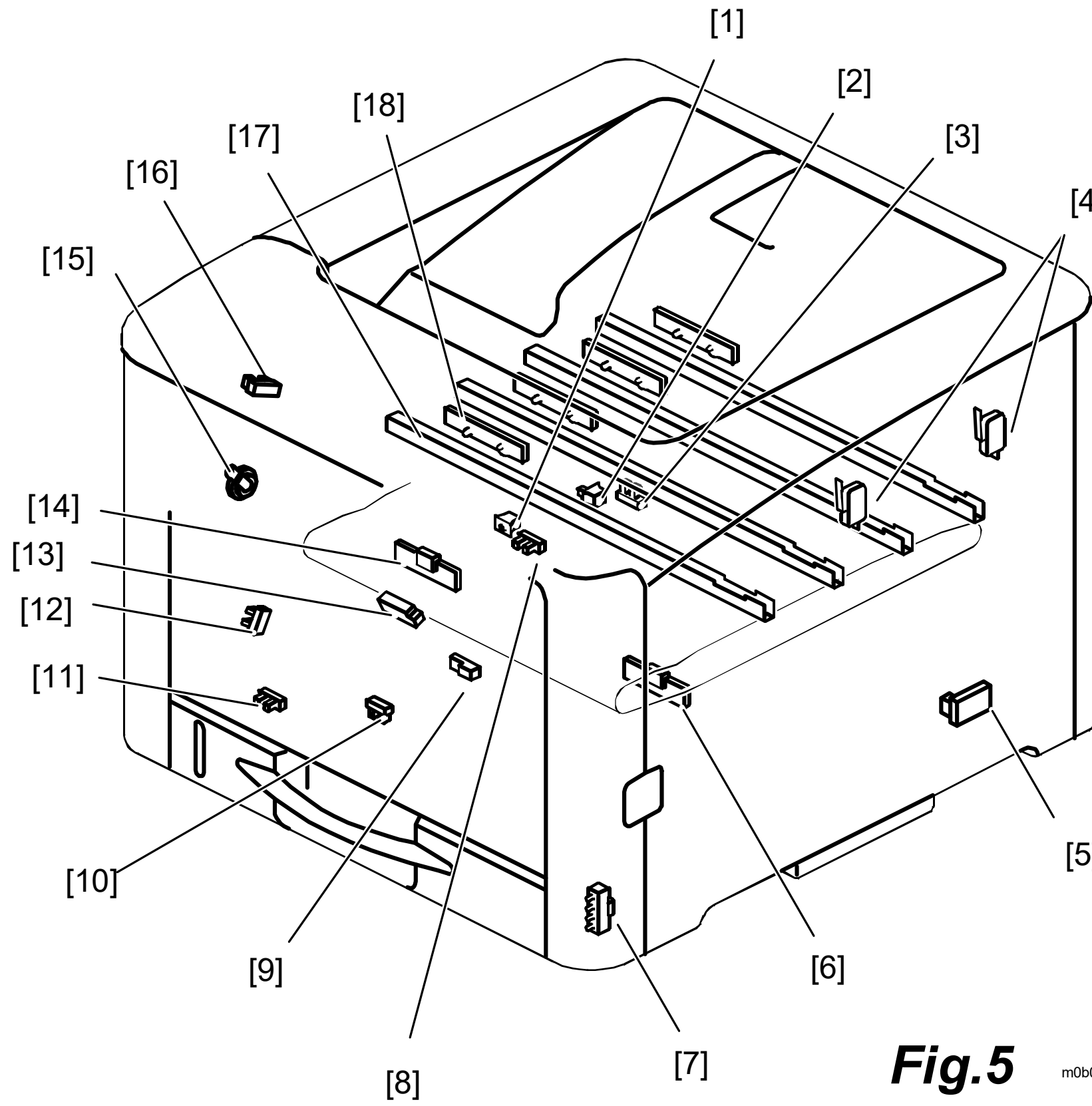


Fig.5

m0b0c9009

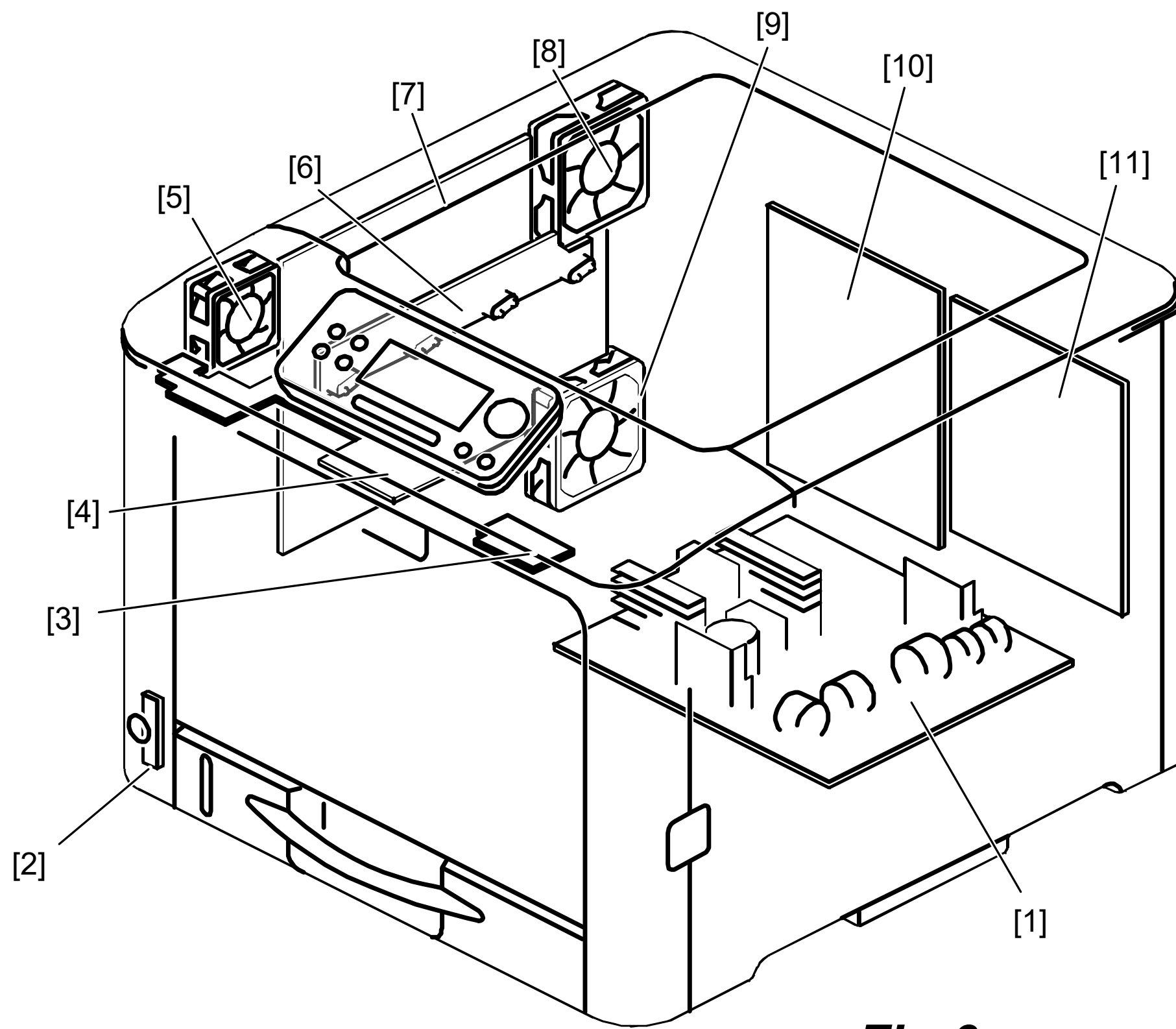


Fig.6

m0b0c9010

M0B0/D0A0/D0AA/D0AB ELECTRICAL COMPONENT LAYOUT

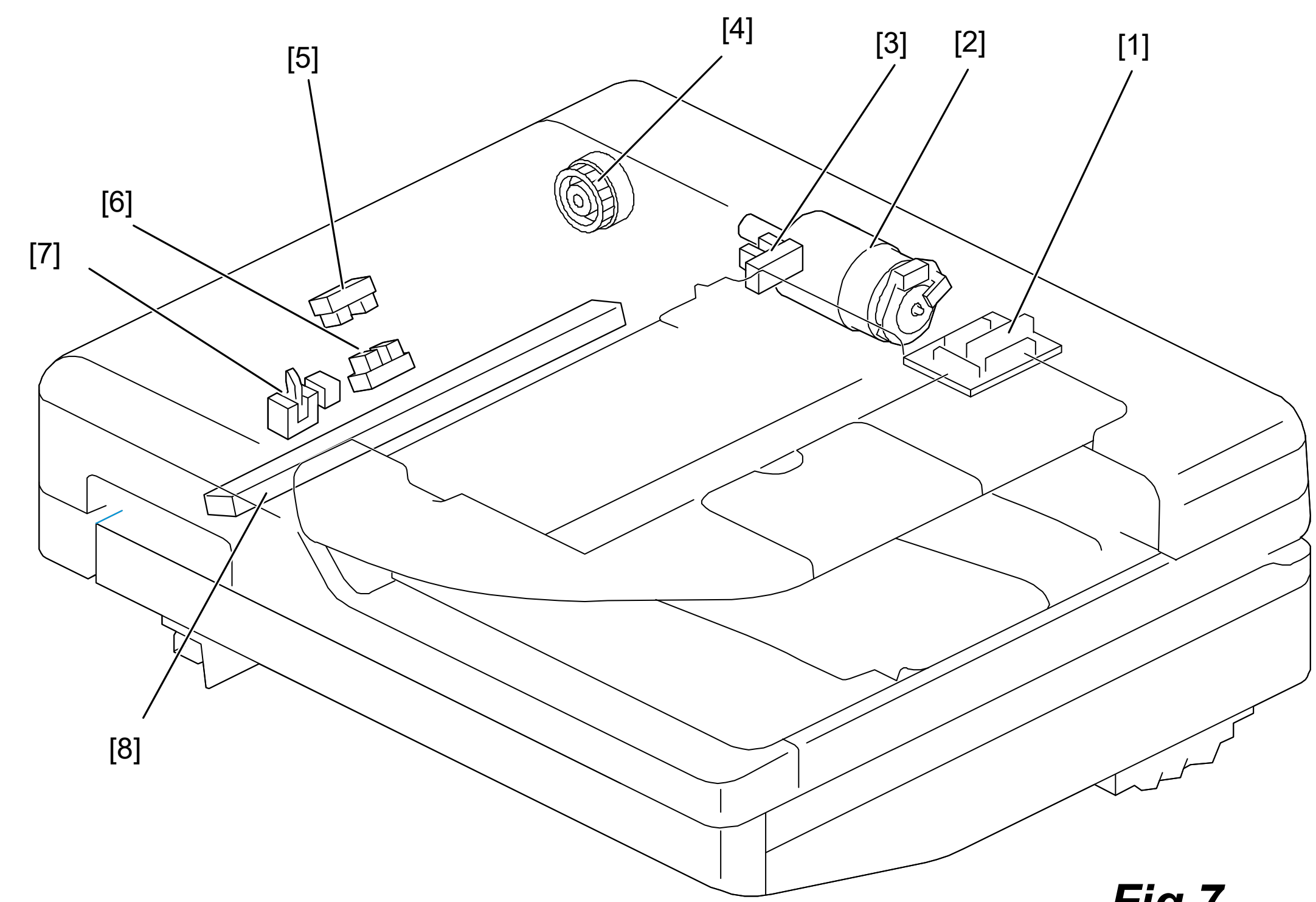


Fig.7

m0b0c9012

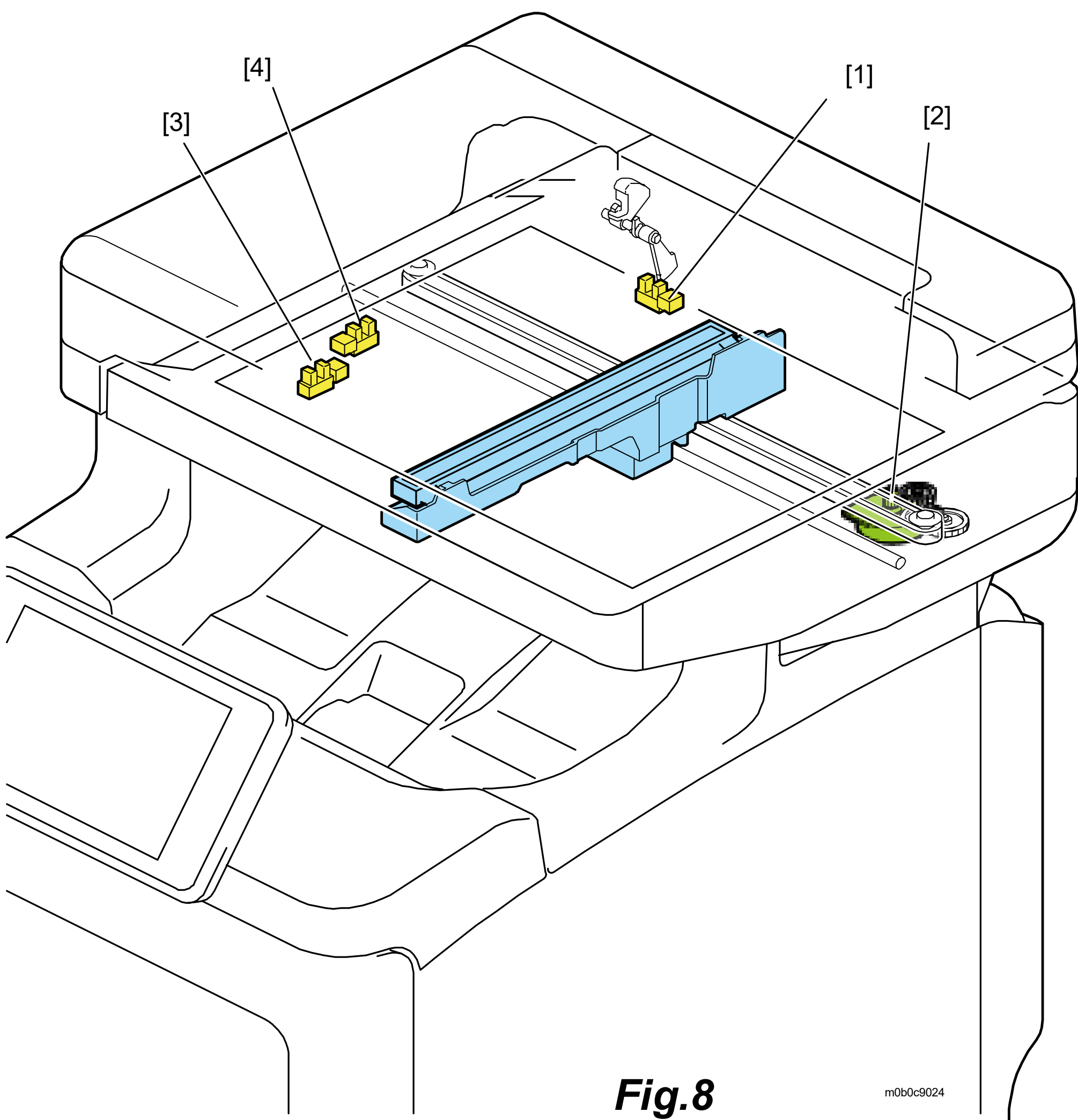


Fig.8

m0b0c9024

Symbol	Index No.	Description	P to P
Sensors			
S1	Fig.3-3 Fig.5-3	Paper Exit Full Sensor	G6
S2	Fig.3-2 Fig.5-5	Temperature/Humidity Sensor	G7
S3	Fig.3-7 Fig.5-7	Paper Size Sensor	G8
S4	Fig.3-17 Fig.5-18	Toner End Sensor (K)	G9
S5	Fig.3-17 Fig.5-18	Toner End Sensor (C)	G9
S6	Fig.3-17 Fig.5-18	Toner End Sensor (M)	G10
S7	Fig.3-17 Fig.5-18	Toner End Sensor (Y)	G10
S8	Fig.3-4	ITB Contact Sensor	D11
S9	-	Thermopile	D7
S10	Fig.5-13	Fusing Entrance Sensor	D8
S11	Fig.3-9 Fig.5-10	Duplex Sensor	D8
S12	Fig.3-10 Fig.5-11	Bypass Paper End Sensor	D8
S13	-	Bypass Bottom Plate Registration Sensor	E8
S14	Fig.3-14 Fig.5-1	Waste Toner Bottle Set Sensor	C9
S15	Fig.3-6 Fig.5-2,8	Waste Toner Full Sensor	C9
S16	Fig.3-15 Fig.5-16	Paper Exit Sensor	C9
S17	Fig.3-5,13 Fig.5-6,14	TM(ID) Sensor 1	D10
S18	Fig.3-5,13 Fig.5-6,14	TM(ID) Sensor 2	D10
S19	Fig.3-8 Fig.5-9	Registration Sensor	C10
S20	Fig.3-12 Fig.5-12	Paper End Sensor	D10
S21	Fig.8-3	Scanner HP Sensor	C3
S22	Fig.8-4	DF Scanning Position Sensor	C4
S23	Fig.7-3 Fig.8-1	DF Set Sensor	C4
S24	-	Top Cover Set Sensor	B5
S25	Fig.7-5	Registration Sensor	B5
S26	-	DF Feed Sensor	B5
S27	Fig.7-6	Original Set Sensor	B5
S28	Fig.7-7	ID Card Set Sensor	B5
Motors			
M1	Fig.1-1	Transfer/Transport Motor	G4
M2	Fig.1-7	Fusing Motor	G4
M3	Fig.1-6	Drum/Development Motor (K)	G4
M4	Fig.1-8	Drum/Development Motor (Y,M,C)	G6
M5	Fig.2-1	Scanner Motor	C4
M6	Fig.2-2	DF Drive Motor	C4
Clutches			
CL1	Fig.1-11	Registration Clutch	G3
CL2	Fig.1-9	ITB Contact Clutch	G3
CL3	Fig.1-10	Paper Feed Clutch	G3
CL4	Fig.1-5	Toner Supply Clutch (K)	G5
CL5	Fig.1-4	Toner Supply Clutch (C)	G5
CL6	Fig.1-3	Toner Supply Clutch (M)	G5
CL7	Fig.1-2	Toner Supply Clutch (Y)	G6

Symbol	Index No.	Description	P to P
PCBs			
PCB1	-	ID Chip Relay Board	G1
PCB2	Fig.4-5 Fig.6-11	EGB	F4
PCB3	Fig.4-1 Fig.6-10	CTL	E4
PCB4	Fig.4-6 Fig.6-18	PSU	D7
PCB5	Fig.4-2	WLAN Board	E2
PCB6	Fig.4-10 Fig.6-4	OPRB(Operation Panel Relay Board)	C2
PCB7	Fig.4-8 Fig.6-3	NFC Board	B2
PCB8	Fig.4-12 Fig.6-7	HVP	D9
PCB9	Fig.4-13 Fig.6-6	New PCDU Detection Board	D9
PCB10	Fig.4-4	FCU	D2
PCB11	Fig.7-8	CIS	C3, B5
PCB12	Fig.7-1	DFRB	C5
Solenoids			
SOL1	-	Toner Supply Shutter Solenoid	G1
SOL2	-	Duplex Invertor Solenoid	G6
Switches			
SW1	Fig.3-1 Fig.5-4	InterLock SW 1	C6
SW2	Fig.3-1 Fig.5-4	InterLock SW 2	C6
SW3	Fig.4-7 Fig.6-2	Main Power Switch	D8
Thermistors			
TH1	-	Thermistor(Fusing Belt)	C7
TH2	-	Thermistor(Pressure Roller)	C7
Thermostats			
TS1	-	Thermostat 1	C7
Lamps			
L1	-	LED Head (K)	G2
L2	-	LED Head (C)	G2
L3	-	LED Head (M)	G2
L4	-	LED Head (Y)	G2
L5	Fig.3-16 Fig.5-17	Discharge Lamp (K)	G9
L6	Fig.3-16 Fig.5-17	Discharge Lamp (C)	G9
L7	Fig.3-16 Fig.5-17	Discharge Lamp (M)	G10
L8	Fig.3-16 Fig.5-17	Discharge Lamp (Y)	G10
FANs			
FAN1	Fig.4-14 Fig.6-8	Cooling Fan	C9
FAN2	Fig.4-11 Fig.6-5	Fusing Fan	C9
FAN3	Fig.4-9 Fig.6-9	PSU Fan	C9