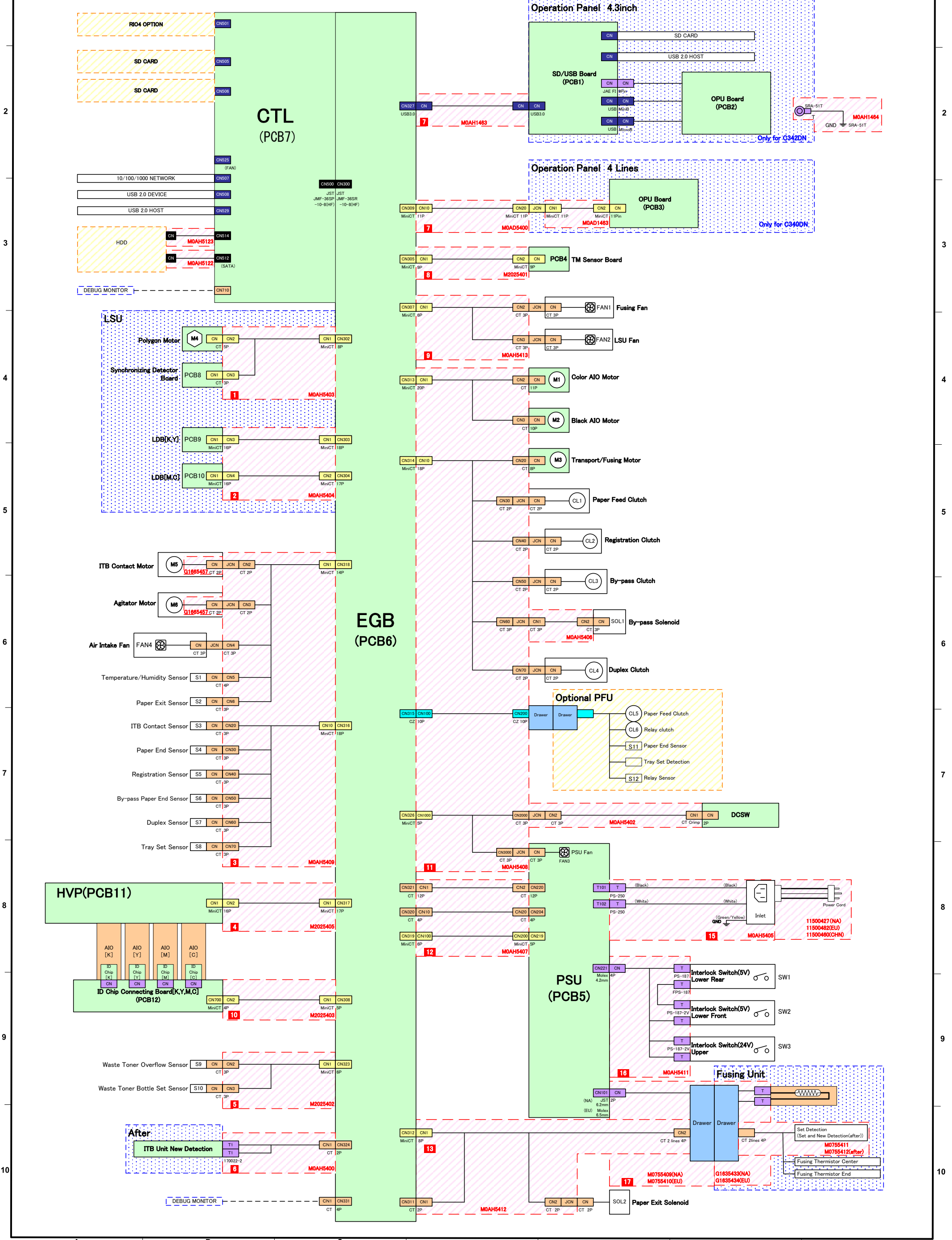


SP C340DN/ SP C342DN Point to Point Diagram

CN	CT	CN	Drawer	CN	Harness No	CN	Harness
CN	mini CT	CN	External/F	CN	PCB	CN	Electrical Component
CN	M II	CN	B to B	CN	UNIT	CN	Connector Color
CN	mini M II	CN	Other	CN	OPTION		
CN	CZ						



SP C340DN/ SP C342DN Pin Assignment Lists (1/3)

Harness No.	Harness P/N	CN (From)			Signal Info.				Relay Harness P/N	CN (To)																
		No.	Device	Pin No.	Signal Name	Direction	L	H		No.	Device	Pin No.														
1	M0AH5403	CN1	EGB CN302	1	+24V(Energy Saver)					CN2	Polygon Motor	5														
				2	GND							4														
				3	Polygon Mtr: L: Start	→	Start	Stop				3														
				4	Polygon Mtr: L: Synchronize	←	Synchronized	Not Synchronized				2														
				5	Polygon Mtr:CLK OUT	→						1														
				6	Synch. 1 (KMYC START)	←						3														
				7	+5V (Energy Saver)							2														
				8	GND							1														
2	M0AH5404	CN1	EGB CN303	1	GND					CN3	LDB[K,Y]	16														
				2	GND							15														
				3	GND							14														
				4	LDLVL2(Y)	→						13														
				5	LDLVL1(K)	→						12														
				6	LDERR_N	←						11														
				7	LDOFF2(Y)	→						10														
				8	LDOFF1(K)	→						9														
				9	APC2EN_N(Y)	→						8														
				10	APC1EN_N(K)	→						7														
				11	LDD1(K)	→						6														
				12	LDD1_N(K)	→						5														
				13	NC																					
				14	LDD2(Y)	→						4														
				15	LDD2_N(Y)	→						3														
				16	NC																					
				17	+5V_LD(Energy Saver, IL)							2														
				18	+5V_LD(Energy Saver, IL)							1														
		CN2	EGB CN304	1	GND						CN4	LDB[C,M]	16													
				2	GND								15													
				3	GND								14													
				4	LDLVL2(M)	→							13													
				5	LDLVL1(C)	→							12													
				6	LDERR_N	←							11													
				7	LDOFF2(M)	→							10													
				8	LDOFF1(C)	→							9													
				9	APC2EN_N(M)	→							8													
				10	APC1EN_N(C)	→							7													
				11	LDD1(C)	→							6													
				12	LDD1_N(C)	→							5													
				13	LDD2(M)	→							4													
				14	LDD2_N(M)	→							3													
				15	NC																					
				16	+5V_LD(Energy Saver, IL)								2													
17	+5V_LD(Energy Saver, IL)				1																					
3	M0AH5409	CN1	EGB CN318	1	ITB Contact Motor:CTL SIG(CW)	→			G1665457	CN2	ITB Contact Motor	2														
				2	ITB Contact Motor:CTL SIG(CW)	→						1														
				3	Agitator Motor:CTL SIG L:ON	→						G1665457	CN3	Agitator Motor	2											
				4	+24V_IL2_FU(Energy Saver, IL)										1											
				5	Air Intake Fan:Operation SIG	→									CN4	Air Intake Fan	3									
				6	Air Intake Fan:LOCK Detect SIG L: Normal H: Error	←	Normal	Error									2									
				7	GND												1									
				8	Temp Info. SIG: Analog IN	←											CN5	Temperature/Humidity Sensor	4							
				9	GND														3							
				10	Hum Info. SIG: Analog IN	←													2							
				11	+5V(Energy Saver)														1							
				12	GND														CN6	Paper Exit Sensor	3					
				13	Paper Exit SN:SIG	←	Paper Detected	Paper Not Detected													2					
				14	+5V(Energy Saver)																1					
				CN10	EGB CN316	1	GND																	CN20	ITB Contact Sensor	3
						2	ITB Contact SN:SIG H>Contact, L:Not Contact	←													Not Contact	Contact				2
						3	+5V(Energy Saver)																			1
						4	GND																			CN30
		5	Paper End SN: SIG L:Paper Detected			←	Paper Detected	Paper Not Detected		2																
		6	+5V(Energy Saver)							1																
		7	GND							CN40	Registration Sensor	3														
		8	Regist SN: SIG L:Paper Detected			←	Paper Detected	Paper Not Detected				2														
		9	+5V(Energy Saver)									1														
		10	GND									CN50	By-pass Paper End Sensor	3												
		11	Bypass P-End SN: Detect SIG L:Paper Detected			←	Paper Detected	Paper Not Detected						2												
		12	+5V(Energy Saver)											1												
		13	GND											CN60	Duplex Sensor	3										
		14	Duplex SN: Detect SIG H: Paper Detected			←	Paper Detected	Paper Not Detected								2										
		15	+5V(Energy Saver)													1										
		16	GND													CN70	Tray Set Sensor	3								
		17	Tray Set SN: Detect SIG H: Set	←	Not Set	Set	2																			
		18	+5V(Energy Saver)				1																			
		4	M2025405	CN1	EGB CN317	1	GND														CN2	HVPS CN1	16			
						2	GND																15			
3	+24V_IL2(Energy Saver, IL)								14																	
4	+24V_IL2(Energy Saver, IL)								13																	
5	Error detect SIG L:SC					←			12																	
6	Error Detect SIG: Reserve					←			11																	
7	Bias Control SIG L: Bias ON					→			10																	
8	PTR (+) Control PWM SIG					→			9																	
9	PTR (-) Control PWM SIG					→			8																	
10	ITB Bias Control PWM SIG					→			7																	
11	DEV C:Control PWM SIG					→			6																	
12	DEV M:Control PWM SIG					→			5																	
13	DEV Y:Control PWM SIG					→			4																	
14	DEV K:Control PWM SIG					→			3																	
15	Charge CMY:Control PWM SIG					→			2																	
16	Charge K:Control PWM SIG					→			1																	
17	-																									
5	M2025402	CN1	EGB CN323	1	GND					CN2	Waste Toner Overflow Sensor	3														
				2	Waste Tnr Overflow SN: SIG IN H: Full	←		Full				2														
				3	+5V(Energy Saver)							1														
				4	GND							CN3	Waste Toner Bottle Set Sensor	3												
				5	Waste Tnr Bottle Set SN	←	Set	Not Set						2												
				6	+5V(Energy Saver)									1												

SP C340DN/ SP C342DN Pin Assignment Lists (2/3)

Harness No.	Harness P/N	CN (From)			Signal Info.				Relay Harness P/N	CN (To)			
		No.	Device	Pin No.	Signal Name	Direction	L	H		No.	Device	Pin No.	
6	M0AH5400	CN1	EGB CN324	1	+24V_IL2_FU(Energy Saver, IL)					T1	ITB Unit New Detection		
				2	ITB Unit: New Detect SIG H: New/ITB Unit: New Detect Driver Control H: ON	←		New		T2			
7	M0AD5400	CN10	EGB CN309	1	GND	←				M0AD1463	CN20	OPU Board	11
				2	GND	←							10
				3	Operation Panel CPU /ASIC Power L: OFF	←							9
				4	Shut Down Mode Migration L: IN	←							8
				5	State Transition Request for Light L: ON	←							7
				6	+5VE_LPS								6
				7	Serial Data TX CLK	→							5
				8	+5VE_LPS								4
				9	Serial Data (OUT)	→							3
				10	+5VE_LPS	←							2
				11	Serial Data (IN)								1
8	M2025401	CN1	EGB CN305	1	GND						CN2	TM Sensor Board	9
				2	TM SN 1:PWM SIG RIGHT	→	ON	OFF					8
				3	TM SN 1:Detect SIG RIGHT Analog IN	←							7
				4	TM SN 3: Detect SIG CENTER R Analog IN	←							6
				5	+5V(Energy Saver)								5
				6	TM SN 3:PWM SIG CENTER	→							4
				7	TM SN 3:Detect SIG CENTER D Analog IN	←							3
				8	TM SN 2:Detect SIG LEFT Analog IN	←							2
				9	TM SN 2:PWM SIG LEFT	→							1
9	M0AH5413	CN1	EGB CN307	1	LSU Fan: Operation SIG	→	OFF	ON			CN2	Fusing Fan Motor	1
				2	LSU Fan: LOCK Detect SIG L: Normal H: Err	←	Normal	Error					2
				3	GND								3
				4	Fusing Fan: Operation SIG	→	OFF	ON					1
				5	Fusing Fan: LOCK Detect SIG L: Normal H: Error	←	Normal	Error					2
				6	GND								3
10	M2025403	CN1	EGB CN308	1	GND						CN2	ID Chip Connecting Board[K,Y,M,C] CN700	4
				2	DATA(I2C)	↔							3
				3	CLK(I2C)	→							2
				4	+5V_ID(Energy Saver, Soft SW)								1
				5	NC								
11	M0AH5408	CN1	EGB CN313	1	Clr AIO Mtr: Gain SW SIG L: Low SPD H:High	→	Low SPD	High SPD			CN2	Color AIO Motor	11
				2	Clr AIO Mtr: CLK SIG	→							10
				3	Clr AIO Mtr: Start/Stop SIG L: Start H: Stop	→	Start	Stop					9
				4	Clr AIO Mtr: LOCK SIG L: Normal H: Error	←	Normal	Error					8
				5	GND								7
				6	GND								6
				7	+24V_IL1(Energy Saver, IL, Brush Mtr)								5
				8	+24V_IL1(Energy Saver, IL, Brush Mtr)								4
				9	+24V_IL1(Energy Saver, IL, Brush Mtr)								3
				10	GND								2
				11	NC								1
				12	BK AIO Mtr: Gain SW SIG L: Low SPD H:High	→	Low SPD	High SPD					10
				13	BK AIO Mtr: Brake SIG H: Brake	→		Brake					9
				14	BK AIO Mtr: FW/REV SIG L: Forward H: Rev	→	Forward	Reverse					8
				15	BK AIO Mtr: Start/Stop SIG L: Start H: Stop	→	Start	Stop					7
				16	BK AIO Mtr: LOCK SIG L: Normal H: Error	←	Normal	Error					6
				17	GND								5
				18	GND								4
				19	+24V_IL1(Energy Saver, IL, Brush Mtr)								3
				20	+24V_IL1(Energy Saver, IL, Brush Mtr)								2
		21	TRN/Fusing Mtr: Gain SW SIG L: Low SPD H	→	Low SPD	High SPD		1					
		22	TRN/Fusing Mtr: CLK SIG	→									
		23	TRN/Fusing Mtr: Start/Stop SIG L: Start H: Stop	→	Start	Stop		8					
		24	TRN/Fusing Mtr: LOCK Detect SIG L: Normal	←	Normal	Error		7					
		25	GND					6					
		26	GND					5					
		27	+24V_IL3(Energy Saver, IL, TRN Mtr)					4					
		28	+24V_IL3(Energy Saver, IL, TRN Mtr)					3					
		29	+24V_IL2(Energy Saver, IL)					2					
		30	Paper Feed CL: Operation SIG L: ON	→	ON	OFF		1					
		31	+24V_IL(Energy Saver, IL)										
		32	Regist CL: Operation SIG L: ON	→	ON	OFF		8					
		33	+24V_IL2(Energy Saver, IL)					7					
		34	ByPass CL: Operation SIG L: ON	→	ON	OFF		6					
		35	+24V_IL2(Energy Saver, IL)					5					
		36	NC					4					
		37	BYPASS SOL:Operation SIG L: ON	→	ON	OFF		3					
		38	+24V_IL2(Energy Saver, IL)					2					
		39	DPX CL:Operation SIG L:ON	→	ON	OFF		1					
		40	OP: PFeed CL: Operation SIG L: ON	→	ON	OFF							
		41	+24V_IL2(Energy Saver, IL)										
		42	GND										
		43	OP: Paper End SN: Detect SIG L: Paper Det	←	Paper Detected	Paper Not Detected		10					
		44	+5V (Energy Saver)					9					
		45	OP: TRNS CL: Operation SIG L: ON	→	ON	OFF		8					
		46	+24V_IL2(Energy Saver, IL)					7					
		47	OP: Tray Set SN: Detect SIG L: Set	←	Set	Not Set		6					
		48	OP: Relay SN: Detect SIG H: Paper Detecte	←	Paper Detected	Paper Not Detected		5					
		49	+5V (Energy Saver)					4					
		50	DC-SW	→	ON	OFF		3					
		51	DC-SW(GND)					2					
		52	PSU Fan: Operation SIG	→	OFF	ON		1					
		53	PSU Fan: LOCK Detect SIG L: Nrmal, H: Error	←	Normal	Error							
		54	GND					3					

SP C340DN/ SP C342DN Pin Assignment Lists (3/3)

Harness No.	Harness P/N	CN (From)			Signal Info.				Relay Harness P/N	CN (To)				
		No.	Device	Pin No.	Signal Name	Direction	L	H		No.	Device	Pin No.		
12	M0AH5407	CN1	EGB 321	1	+5VE(Not Energy Saver)					CN2	PSU CN220	12		
				2	+5VE(Not Energy Saver)							11		
				3	GND							10		
				4	GND							9		
				5	+5V (Energy Saver)							8		
				6	GND							7		
				7	+5V.LD(Energy Saver, IL)							6		
				8	GND							5		
				9	+24V_IL2(Energy Saver, Via IL)							4		
				10	GND							3		
				11	+24V(Energy Saver)							2		
				12	GND							1		
		CN10	EGB 320	1	GND					CN20	PSU CN204	4		
				2	GND							3		
				3	+24V_IL1(Energy Saver, IL, Brushless Mtr)							2		
				4	+24V_IL1(Energy Saver, IL, Brushless Mtr)							1		
		CN100	EGB 319	1	Sleep SIG	→				CN200	PSU CN204	5		
				2	Fusing: Relay SIG	→						4		
				3	Zero Cross SIG	←						3		
				4	Fusing Lamp: Heating CTL	→						2		
				5	GND							1		
				6	NC									
		13	M0AH5412	CN1	EGB 312	1	Thermister Heating Roll:SIG Analog IN	←				CN2	Fusing Drawer	A-4
						2	GND							A-3
3	Thermister End:SIG Analog IN					←			A-2					
4	GND								A-1					
5	Fusing Set Detect:Set Detect SIG 1 L:Set					←	Set	Not Set	B-4					
6	Fusing New Detect:Set Detect SIG 2 L:New					←	New		B-3					
7	GND								B-2					
8	GND								B-1					
CN1	EGB 311			1	+24VS2(Energy Saver, IL)					CN2	Paper Exit Solenoid	1		
				2	Paper Exit SOL:Operation SIG L: ON							2		
15	M0AH5405	T(Bk)	PSU T101 T201	L	AC-L					T(Bk)	Inlet			
		T(W)		N	AC-N							T(W)		
		Gnd		G	FG							G/Y		
16	M0AH5411	CN	PSU CN221	1	+5.1V(LPS)					T	Interlock SW (Lower Rear)	1		
												2		
				2	+5.1V(LPS, through Interlock)							Interlock SW (Lower Front)	1	
				3	+24V						2			
				4	+24V (through Interlock)						1			
						Interlock SW (Upper)	2							
							1							
17-1 DOM	M0755408	CN1	PSU CN101	1	AC-L					CN2	Fusing Drawer	1		
				2	AC-N							2		
17-2 NA	M0755409	CN1	PSU CN101	1	AC-L					CN2	Fusing Drawer	1		
				2	AC-N							3		
17-3 EU	M0755410	CN1	PSU CN101	1	AC-L					CN2	Fusing Drawer	1		
				2	AC-N							4		

SP C340DN/ SP C342DN ELECTRICAL COMPONENT LAYOUT

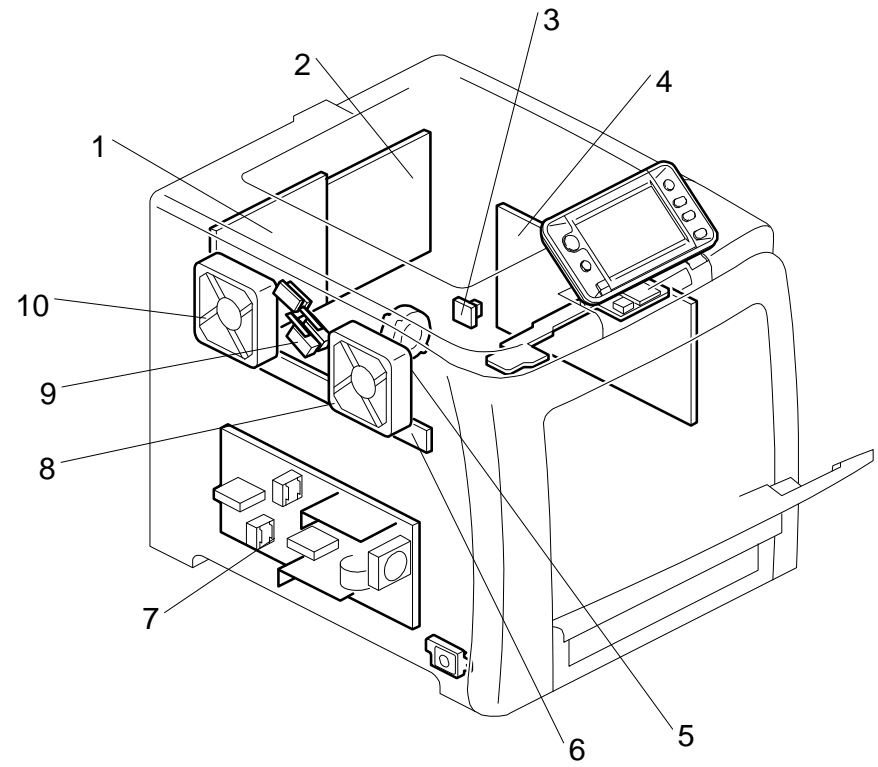


Fig.1

m0aga0070

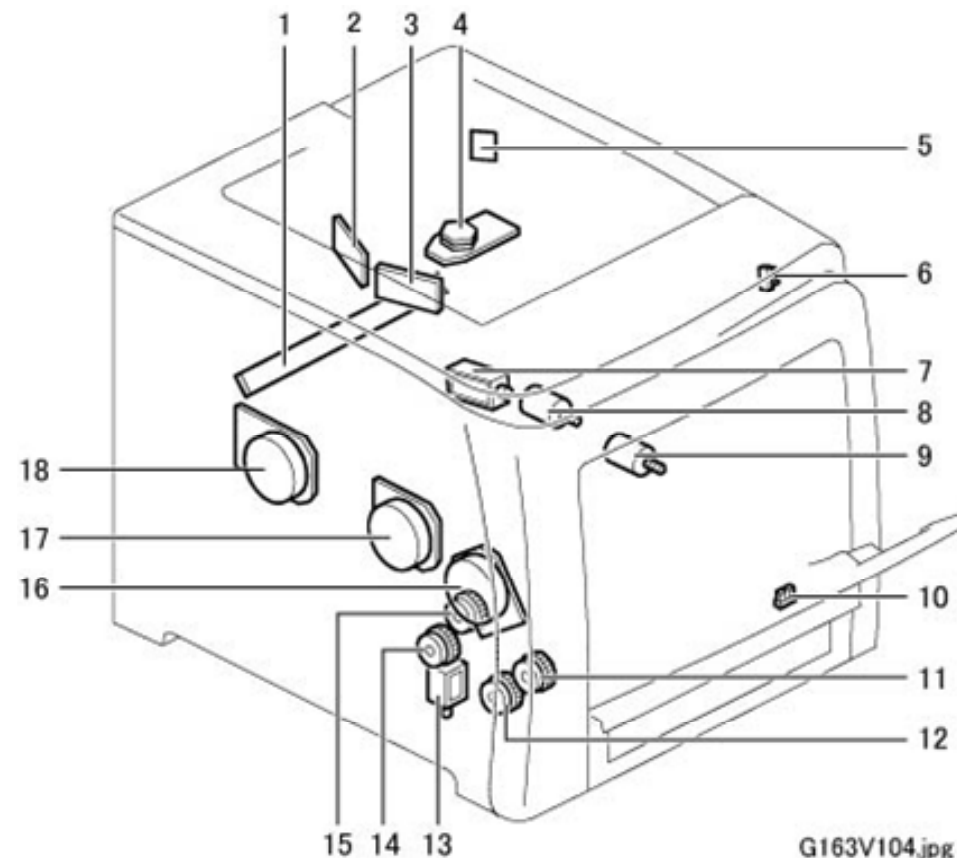


Fig.2

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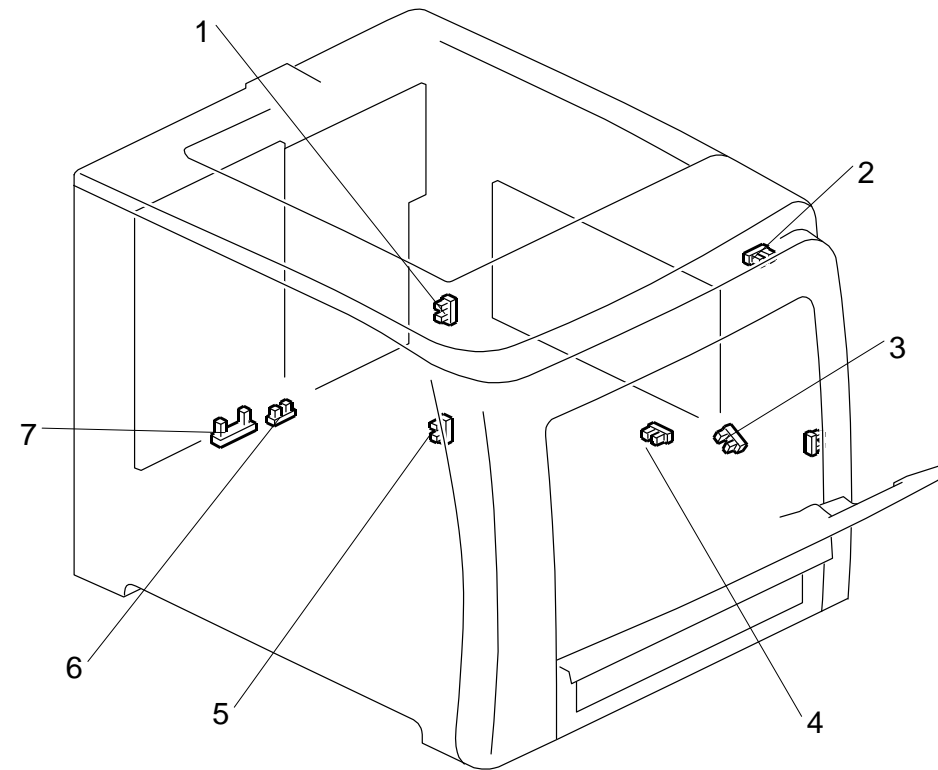


Fig.3

G163V105

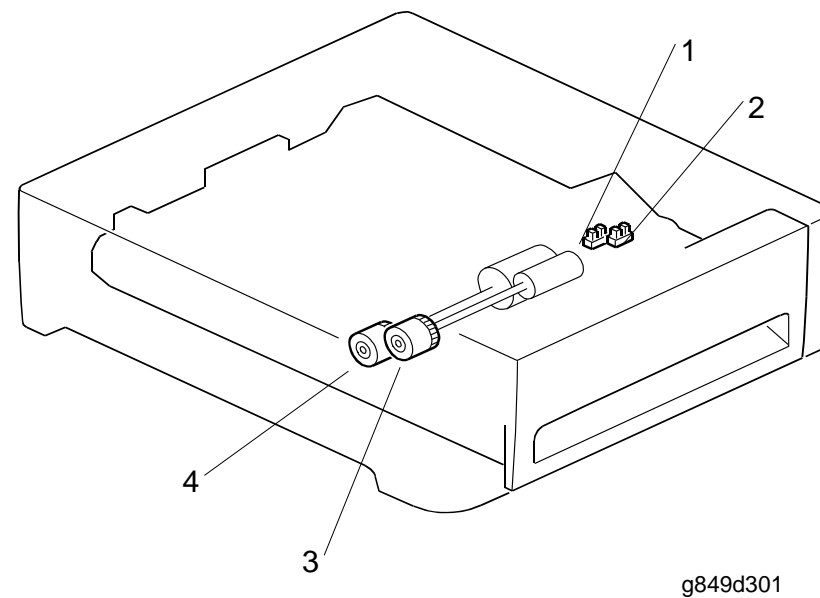


Fig.4

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Symbol	Index No.	Name	P to P
Motors			
M1	Fig.2-18	Color AIO Motor	E4
M2	Fig.2-17	Black AIO Motor	E4
M3	Fig.2-16	Transport/Fusing Motor	E5
M4	Fig.2-4	Polygon Motor	B4
M5	Fig.2-8	ITB Contact Motor	B5
M6	Fig.2-9	Agitator Motor	B6
Fans			
FAN1	Fig.1-8	Fusing Fan	E3
FAN2	Fig.1-10	LSU Fan	E4
FAN3	-	PSU Fan	E8
FAN4	Fig.1-5	Air Intake Fan	E6
Clutches			
CL1	Fig.2-14	Paper Feed Clutch	E5
CL2	Fig.2-15	Registration Clutch	E5
CL3	Fig.2-12	By-pass Clutch	E6
CL4	Fig.2-11	Duplex Clutch	E6
CL5	Fig.4-4	Paper Feed Clutch	E7
CL6	Fig.4-3	Relay clutch	E7
Solenoids			
SOL1	Fig.2-13	By-pass Solenoid	E6
SOL2	Fig.2-7	Paper Exit Solenoid	E10
Sensors			
S1	Fig.1-3	Temperature/Humidity Sensor	B6
S2	Fig.3-2	Paper Exit Sensor	B6
S3	Fig.3-1	ITB Contact Sensor	B7
S4	Fig.3-4	Paper End Sensor	B7
S5	Fig.3-3	Registration Sensor	B7
S6	Fig.2-10	By-pass Paper End Sensor	B7
S7	Fig.2-6	Duplex Sensor	B7
S8	Fig.3-5	Tray Set Sensor	B8
S9	Fig.3-7	Waste Toner Overflow Sensor	B9
S10	Fig.3-6	Waste Toner Bottle Set Sensor	B9
S11	Fig.4-1	Paper End Sensor	E7
S12	Fig.4-2	Relay Sensor	E7
Switches			
SW1	Fig.1-9	Interlock Switch(5V) Lower Rear	F9
SW2	Fig.1-9	Interlock Switch(5V) Lower Front	F9
SW3	Fig.1-9	Interlock Switch(24V) Upper	F9
PCBs			
PCB1	-	SD/USB Board	E2
PCB2	-	OPU Board	F2
PCB3	-	OPU Board	E3
PCB4	Fig.2-1	TM Sensor Board	E3
PCB5	Fig.1-7	PSU	E9
PCB6	Fig.1-1	EGB	C6
PCB7	Fig.1-2	CTL	B2
PCB8	Fig.2-5	Synchronizing Detector Board	B4
PCB9	Fig.2-3	LDB[K,Y]	B4
PCB10	Fig.2-2	LDB[M,C]	B5
PCB11	Fig.1-4	HVP	A8
PCB12	Fig.1-6	ID Chip Connecting Board[K,Y,M,C]	B9