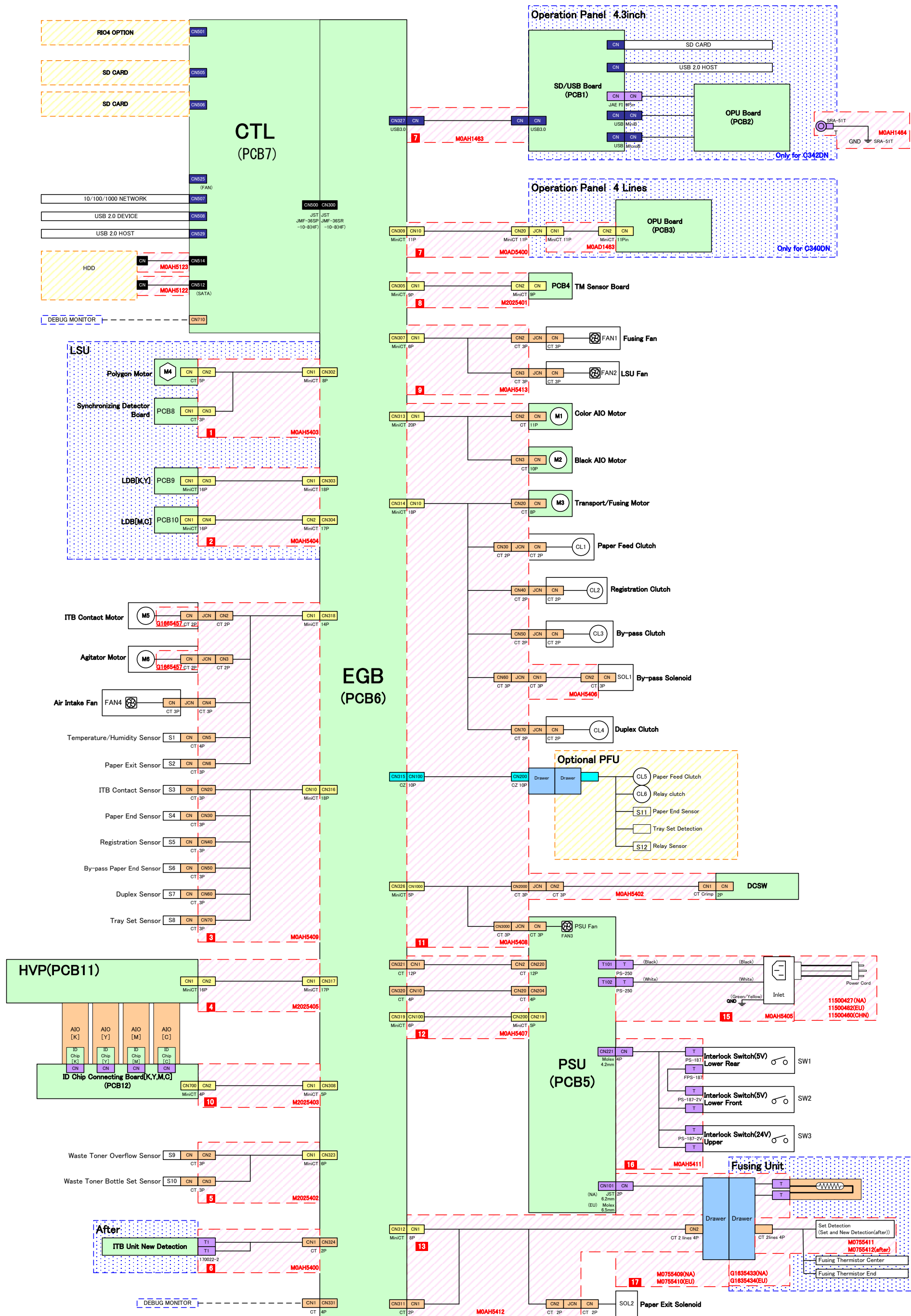
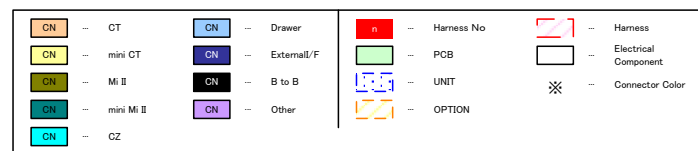


SP C340DN/ SP C342DN

Point to Point Diagram



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	→				CN3	Synchronizing Detector Board	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(CCW)	→			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)					CN20	ITB Contact Sensor	1
				1	GND							3
		CN10	EGB CN316	2	ITB Contact SN:SIG H:Contact, L:Not Conta	←	Not Contact	Contact		CN30	Paper End Sensor	2
				3	+5V(Energy Saver)							1
				4	GND					CN40	Registration Sensor	3
				5	Paper End SN: SIG L:Paper Detected	←	Paper Detected	Paper Not Detected				2
				6	+5V(Energy Saver)					CN50	By-pass Paper End Sensor	1
				7	GND							3
				8	Regist SN: SIG L:Paper Detected	←	Paper Detected	Paper Not Detected		CN60	Duplex Sensor	2
				9	+5V(Energy Saver)							1
				10	GND					CN70	Tray Set Sensor	3
				11	Bypass P-End SN: Detect SIG L:Paper Detected	←	Paper Detected	Paper Not Detected				2
				12	+5V(Energy Saver)					CN60	Duplex Sensor	1
				13	GND							3
				14	Duplex SN: Detect SIG H: Paper Detected	←	Paper Detected	Paper Not Detected		CN70	Tray Set Sensor	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 etect 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		CN3	LSU Fan Motor	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	
				-	NC							1	
				11	BK AIO Mtr: Gain SW SIG L: Low SPD H:High	→	Low SPD	High SPD		CN3	Black AIO Motor	10	
				12	BK AIO Mtr: CLK SIG	→						9	
				13	BK AIO Mtr: Brake SIG H: Brake	→		Brake				8	
				14	BK AIO Mtr: FW/REV SIG L: Forward H: Rev	→	Forward	Reverse				7	
				15	BK AIO Mtr: Start/Stop SIG L: Start H: Stop	→	Start	Stop				6	
				16	BK AIO Mtr: LOCK SIG L: Normal H: Error	←	Normal	Error				5	
				17	GND							4	
				18	GND							3	
				19	+24V_IL1(Energy Saver, IL, Brush Mtr)							2	
				20	+24V_IL1(Energy Saver, IL, Brush Mtr)							1	
		CN10	EGB CN314	1	TRN/Fusing Mtr: Gain SW SIG L: Low SPD H	→	Low SPD	High SPD		CN20	Transport/Fusing Motor	8	
				2	TRN/Fusing Mtr: CLK SIG	→						7	
				3	TRN/Fusing Mtr: Strar/Stop SIG L: Start H:	→	Start	Stop				6	
				4	TRN/Fusing Mtr: LOCK Detect SIG L: Norma	←	Normal	Error				5	
				5	GND							4	
				6	GND							3	
				7	+24V_IL3(Energy Saver, IL, TRN Mtr)							2	
				8	+24V_IL3(Energy Saver, IL, TRN Mtr)							1	
				9	+24V_IL2(Energy Saver, IL)					CN30	Paper Feed Clutch	1	
				10	Paper Feed CL: Operation SIG L: ON	→	ON	OFF				2	
				11	+24V_IL(Energy Saver, IL)					CN40	Registration Clutch	1	
				12	Regist CL: Operation SIG L: ON	→	ON	OFF				2	
				13	+24V_IL2(Energy Saver, IL)					CN50	By-pass Clutch	1	
				14	ByPass CL: Operation SIG L: ON	→	ON	OFF				2	
				15	+24V_IL2(Energy Saver, IL)				M0AH5406	CN2	By-pass Solenoid	3	
				-	NC								
				16	BYPASS SOL:Operation SIG L: ON	→	ON	OFF		CN70	Duplex Clutch	1	
				17	+24V_IL2(Energy Saver, IL)				2				
				18	DPX CL:Operation SIG L:ON	→	ON	OFF		CN200	Optional PFU	10	
		CN100	EGB CN315	1	OP: PFeed CL: Operation SIG L: ON	→	ON	OFF				9	
				2	+24V_IL2(Energy Saver, IL)							8	
				3	GND							7	
				4	OP: Paper End SN: Detect SIG L: Paper Det	←	Paper Detected	Paper Not Detected				6	
				5	+5V (Energy Saver)							5	
				6	OP: TRNS CL: Operation SIG L: ON	→	ON	OFF				4	
				7	+24V_IL2(Energy Saver, IL)							3	
				8	OP: Tray Set SN: Detect SIG L: Set	←	Set	Not Set				2	
				9	OP: Relay SN: Detect SIG H: Paper Detecte	←	Paper Detected	Paper Not Detected				1	
				10	+5V (Energy Saver)								
		CN1000	EGB CN326	1	DC-SW	→	ON	OFF	M0AH5402	CN1	Main SW	2	
				2	DC-SW(GND)							1	
				3	PSU Fan: Operation SIG	→	OFF	ON		CN3000	PSU PSU Fan	1	
				4	PSU Fan: LOCK Detect SIG L: Nrml, H: Error	←	Normal	Error				2	
				5	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
										T		2
										T		
				2	+5.1V (LPS, through Interlock)					T	Interlock SW (Lower Front)	1
				3	+24V					T		2
				4	+24V (through Interlock)					T		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

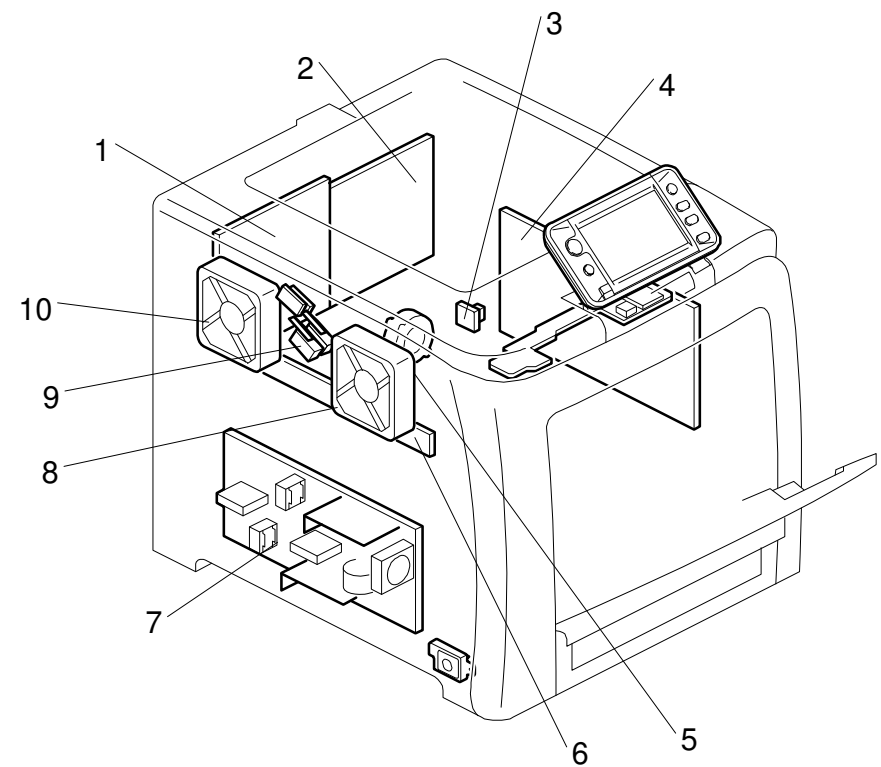


Fig.1

m0aga0070

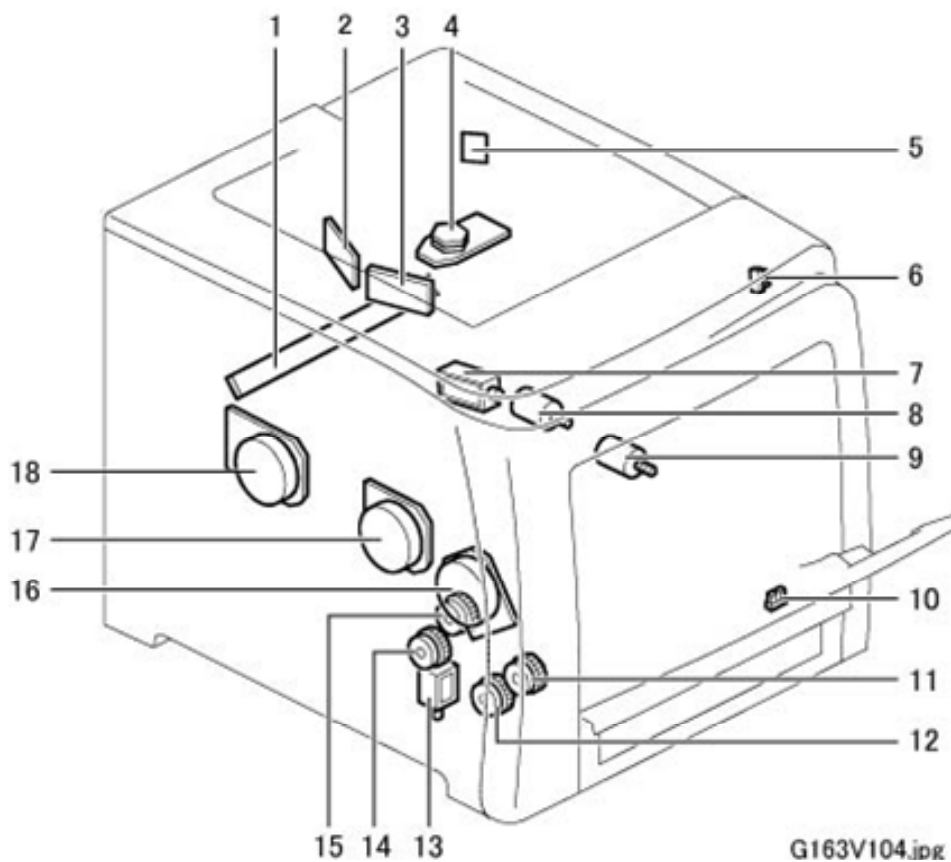


Fig.2

G163V104.jpg

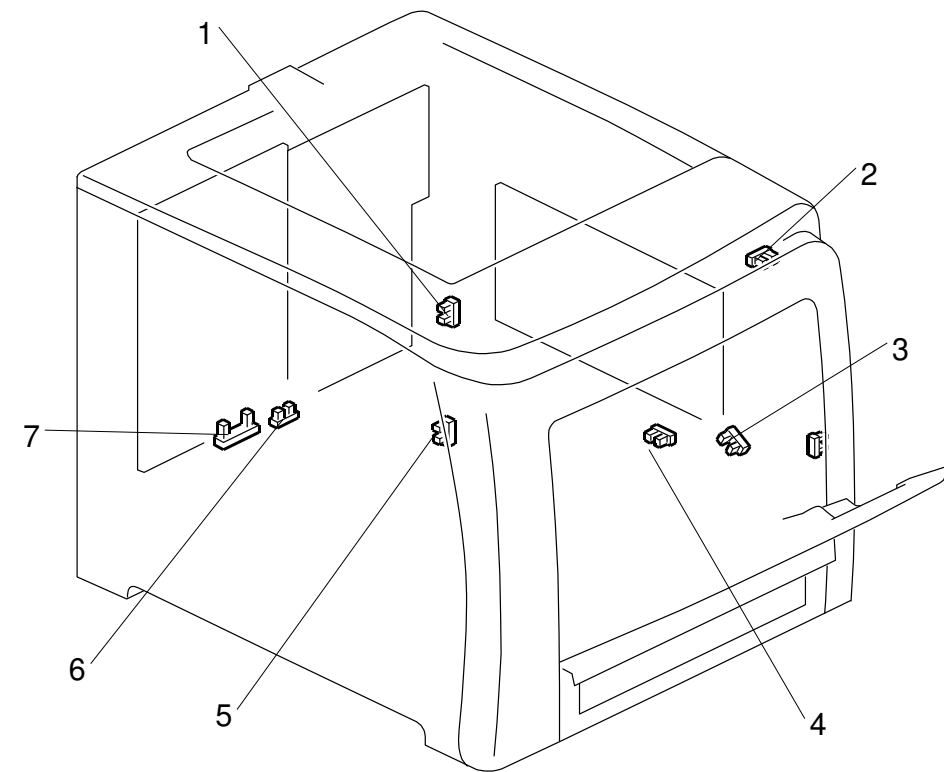


Fig.3

G163V105

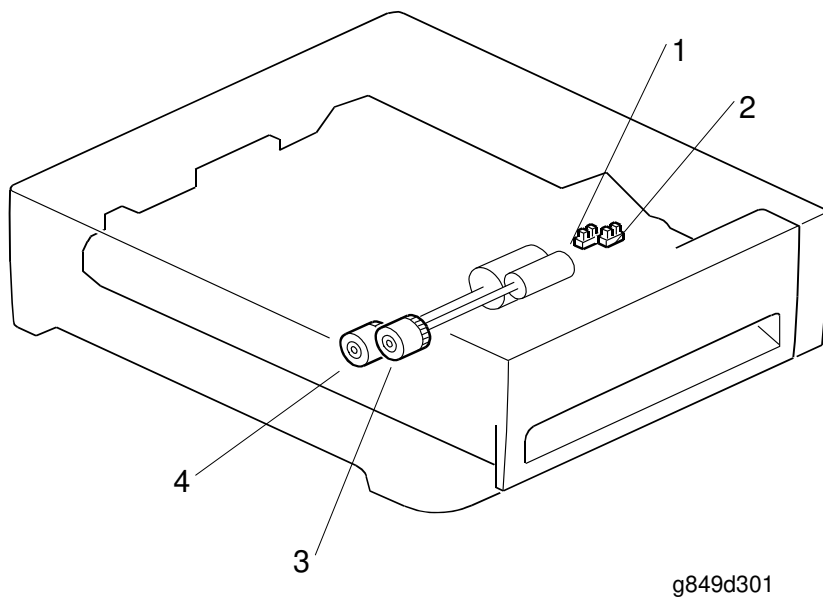


Fig.4

g849d301

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