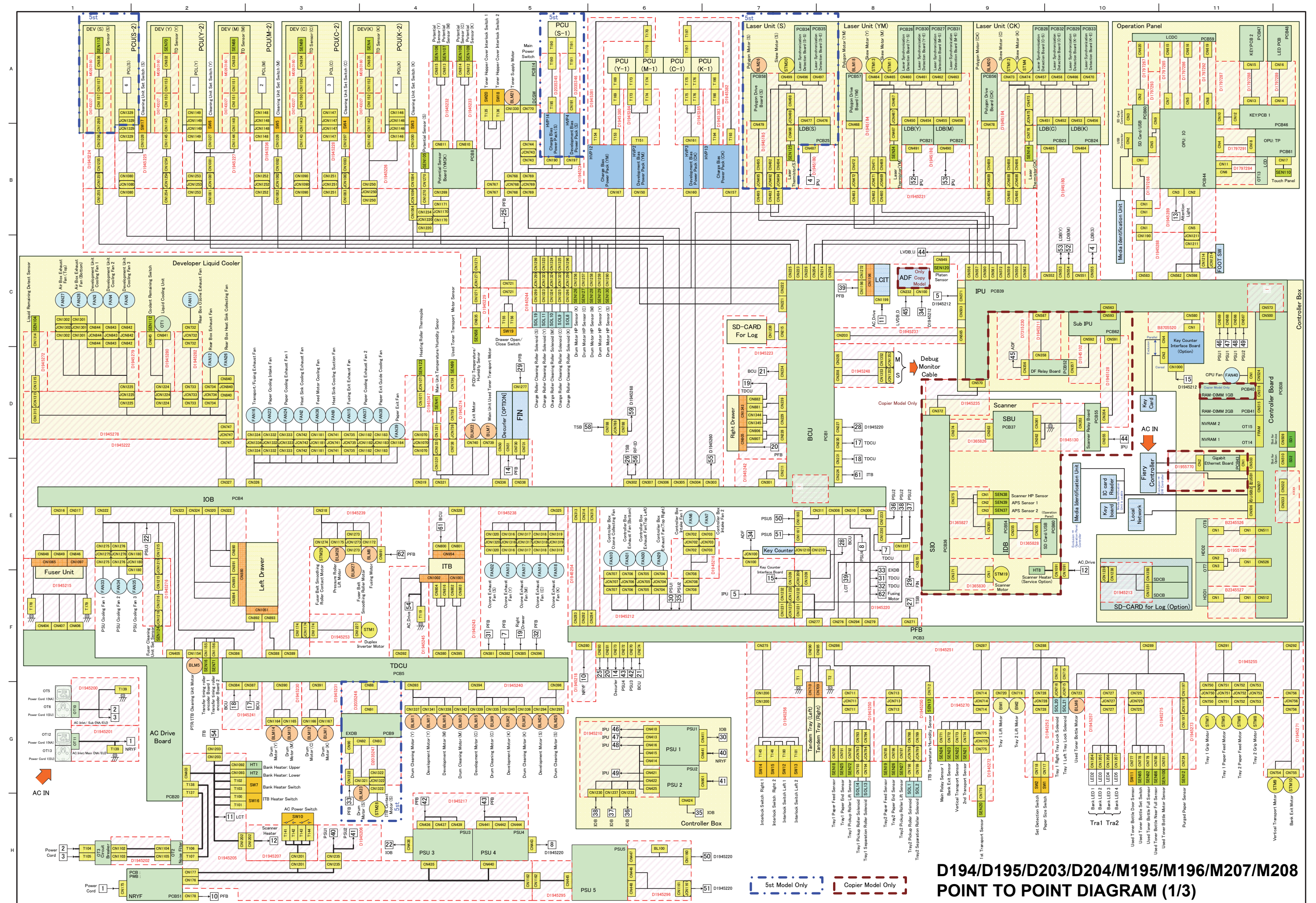
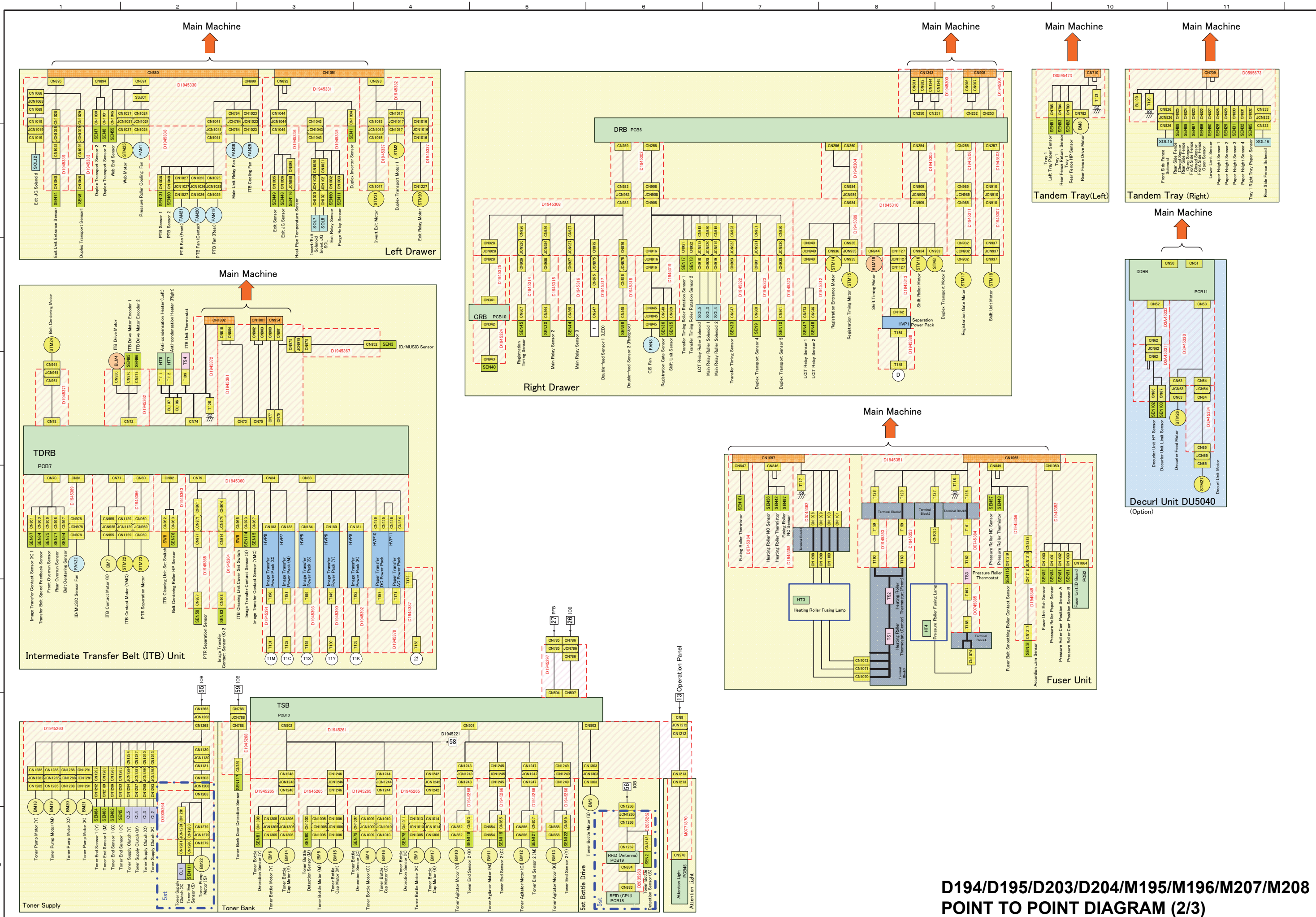
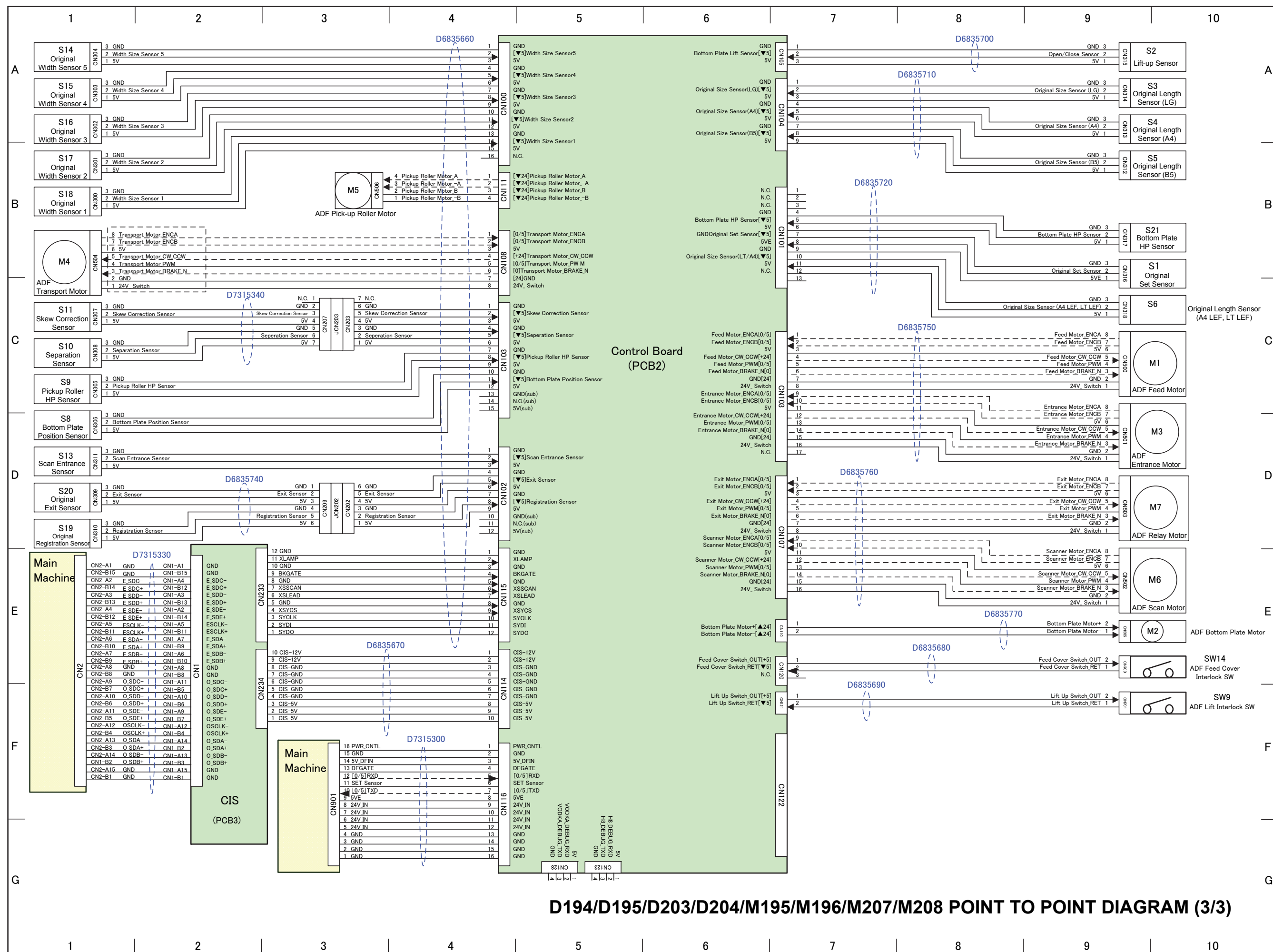




**D194/D195/D203/D204/M195/M196/M207/M208
POINT TO POINT DIAGRAM (1/3)**



D194/D195/D203/D204/M195/M196/M207/M208
POINT TO POINT DIAGRAM (2/3)



Pin Assign Information

BCU Pin Assign Information

Connector (FROM)				Signal Information			Connector (TO)		
No	Pin No	Signal Name	Direction	No	To Connector	Pin No			
CN227	1	+5V	P	CN1209	Key Counter Interface Board	13			
	2	KEY CRD SET N	←			12			
	3	KEY D1 O	→			11			
	4	KEY D2 O	→			10			
	5	KEY D3 O	→			9			
	6	KEY D4 O	→			8			
	7	KEY D5 O	→			7			
	8	KEY D6 O	→			6			
	9	KEY D7 O	→			5			
	10	KEY D8 O	→			4			
	11	GND	G			3			
	12	KEY UP	→			2			
	13	24V CNT	P			1			
	14	N.C.	N	CN1210	Key Counter				
	15	GND	G			1			
	16	KEY CNT SET_N	←			2			
	17	24V CNT	P			3			
	18	KEY CNT DRV	→			4			
	19	GND	G						
CN204	1	M2P RST	→	CN550	IPU	18			
	2	S2M RST	→			17			
	3	IPU_INT N	←			16			
	4	GND	G			15			
	5	TIMERUP0 N	←			14			
	6	TIMERUP1 N	←			13			
	7	ENGENABLE N	←			12			
	8	FUKKI	←			11			
	9	GND	G			10			
	10	VPFGATE K N	←			9			
	11	N.C.	N			8			
	12	ADF RXD	←			7			
	13	ADF TXD	→			6			
	14	GND	G			5			
	15	IPU_WAKE N	←			4			
	16	PON ENG	←			3			
	17	ACSW_STAT N	→			2			
	18	PSU_ENB	→			1			
CN214	1	GND	G	CN562	IPU	10			
	2	SYDI_VTEC	←			9			
	3	SYDO_VTEC	→			8			
	4	SYCLK_VTEC	→			7			
	5	GND	G			6			
	6	SYCS_VTEC_K N	→			5			
	7	SYCS_VTEC_C N	→			4			
	8	SYCS_VTEC_M N	→			3			
	9	SYCS_VTEC_Y N	→			2			
	10	SYCS_VTEC_S N	→			1			
CN215	1	M_SPICS_SDCARD	→	CN1238	SDCB/M	16			
	2	GND	N			15			
	3	M_SO_SDCARD	→			14			
	4	GND	N			13			
	5	M_SCLK_SDCARD	→			12			
	6	M_SI_SDCARD	←			11			
	7	GND	G			10			
	8	+3.3V	P			9			
	9	S_SPICS_SDCARD	→			8			
	10	GND	N			7			
	11	S_SO_SDCARD	→			6			
	12	GND	N			5			
	13	S_SCLK_SDCARD	→			4			
	14	S_SI_SDCARD	←			3			
	15	GND	G			2			
	16	+3.3V	P			1			
CN221	1	PCG_PP_CLK_YM	→	CN150	Charge Bias Power Pack (YM)	13			
	2	PCG_PPM_LK	←			12			
	3	PCG_PPM_DC	→			11			
	4	PCG_PPM_FB	←			10			
	5	PCG_PPM_AC	→			9			
	6	PCG_PPY_LK	←			8			
	7	PCG_PPY_DC	→			7			
	8	PCG_PPY_FB	←			6			
	9	PCG_PPY_AC	→			5			
	10	GND	G			4			
	11	GND	G	CN157	Development Bias Power Pack (YM)	3			
	12	+24VS	P			2			
	13	+24VS	P			1			
	14	N.C.	N						
	15	ODV_PPM_LK	←			12			
	16	ODV_PPM_PWM	→			11			
	17	ODV_PPM_CLK	→			10			
	18	ODV_PPM_AC	→			9			
	19	ODV_PPY_LK	←			8			
	20	ODV_PPY_PWM	→			7			
	21	ODV_PPY_CLK	→			6			
	22	ODV_PPY_AC	→			5			
	23	GND	G			4			
	24	GND	G			3			
	25	+24VS	P			2			
	26	+24VS	P			1			
CN222	1	N.C.	N	CN160	Charge Bias Power Pack (CK)				
	2	PCG_PP_CLK_CK	→			13			
	3	PCG_PPK_LK	←			12			
	4	PCG_PPK_DC	→			11			
	5	PCG_PPK_FB	←			10			
	6	PCG_PPK_AC	→			9			
	7	PCG_PPC_LK	←			8			
	8	PCG_PPC_DC	→			7			
	9	PCG_PPC_FB	←			6			
	10	PCG_PPC_AC	→			5			
	11	GND	G			4			
	12	GND	G			3			
	13	+24VS	P			2			
	14	+24VS	P			1			
	15	N.C.	N	CN167	Development Bias Power Pack (CK)				
	16	N.C.	N						
	17	ODV_PPK_LK	←			12			
	18	ODV_PPK_PWM	→			11			
	19	ODV_PPK_CLK	→			10			
	20	ODV_PPK_AC	→			9			
	21	ODV_PPC_LK	←			8			
	22	ODV_PPC_PWM	→			7			
	23	ODV_PPC_CLK	→			6			
	24	ODV_PPC_AC	→			5			
	25	GND	G			4			
	26	GND	G			3			
	27	+24VS	P			2			
	28	+24VS	P			1			

BCU Pin Assign Information

Connector (FROM)				Signal Information		Connector (TO)			
No	Pin No	Signal Name	Direction	No	To Connector	Pin No			
CN223	1	OST_SCL_Y	→	CN1254	TD Sensor (Y)	6			
	2	OST_SDA_Y	↔			5			
	3	OST_SNY_PWM	→			4			
	4	OST_VCC	P			3			
	5	OST_SNY_FB	←			2			
	6	GND	G			1			
	7	+24V_PCL	P	CN1253	PCU/Y	10			
	8	PHR_PLY_PWM	→			9			
	9	PMARQSWY	↔		8				
	10	GND	↔		7				
	11	OST_SCL_M	→		TD Sensor (M)	6			
	12	OST_SDA_M	↔			5			
	13	OST_SNM_PWM	→			4			
	14	OST_VCC	P			3			
	15	OST_SNM_FB	←			2			
	16	GND	G			1			
	17	+24V_PCL	P	CN1252	PCU/M	4			
	18	PHR_PLM_PWM	→			3			
	19	PMARQSWM	↔	CN1090	Lubricant End Detection/M	2			
	20	GND	↔			1			
	21	OST_SCL_C	→		TD Sensor (C)	6			
	22	OST_SDA_C	↔			5			
	23	OST_SNC_PWM	→			4			
	24	OST_VCC	P			3			
	25	OST_SNC_FB	←			2			
	26	GND	G			1			
	27	+24V_PCL	P		CN1251	PCU/C	4		
	28	PHR_PL_C_PWM	→				3		
	29	PMARQSWC	↔	CN1250	Lubricant End Detection/C	2			
	30	GND	↔			1			
	31	OST_SCL_K	→		TD Sensor (K)	6			
	32	OST_SDA_K	↔			5			
	33	OST_SNK_PWM	→			4			
	34	OST_VCC	P			3			
	35	OST_SNK_FB	←			5			
	36	GND	G			6			
	37	+24V_PCL	P		PCU/K	7			
	38	PHR_PLK_PWM	→			8			
	39	PMARQSWK	↔	Lubricant End Detection/K	9				
	40	GND	↔		10				
CN225	1	+24VS	P	CN1170	Potential Sensor Board (YMCK)	1			
	2	GND	G			2			
	3	GND	G			3			
	4	PDR_VSFCK_FB	←			4			
	5	PDR_VSFCC_FB	←			5			
	6	PDR_VSFCM_FB	←			6			
	7	PDR_VSF_C_Y_FB	←			7			
	8	OST_SCL_S	→	CN1255	TD Sensor (S)	6			
	9	OST_SDA_S	↔			5			
	10	OST_SNS_PWM_O_B	→			4			
	11	OST_VCC	P			3			
	12	OST_SNS_FB	←			2			
	13	GND	G			1			
	14	N.C.	N						
	15	N.C.	N						
	16	GND	G	CN1256	Drum Motor HP Sensor (K)	3			
	17	ODVHPSNK	←			2			
	18	+5V	P	CN1257	Drum Motor HP Sensor (C)	1			
	19	GND	G			3			
	20	ODVHPSNC	←	CN1258	Drum Motor HP Sensor (M)	2			
	21	+5V	P			1			
	22	GND	G	CN1259	Drum Motor HP Sensor (Y)	3			
	23	ODVHPSNM	←			2			
	24	+5V	P	CN1260	Drum Motor HP Sensor (S)	1			
	25	GND	G			3			
	26	ODVHPSNY	←			2			
27	+5V	P	1						
28	GND	G			3				
29	ODVHPSNS	←			2				
30	+5V	P			1				
CN226	1	WWR_TSY	←	CN482	Skew Motor (Y)				
	2	GND	G						
	3	WWRSKMTY_A-	→			12			
	4	WWRSKMTY_B-	→			11			
	5	+24V_SK_YM	P			10			
	6	WWRSKMTY_B	→		9				
	7	WWRSKMTY_A	→		8				
	8	WWR_TSM			7				
	9	GND			6				
	10	WWRSKMTM_A-	→		Skew Motor (M)	5			
	11	WWRSKMTM_B-	→	4					
	12	+24V_SK_YM	P	3					
	13	WWRSKMTM_B	→	2					
	14	WWRSKMTM_A	→	1					
	15	WWR_TSC							
	16	GND		CN488	Skew Motor (C)	12			
	17	WWRSKMTC_A-	→			11			
	18	WWRSKMTC_B-	→			10			
19	+24V_SK_CK	P	9						
20	WWRSKMTC_B	→	8						
21	WWRSKMTC_A	→	Laser Thermistor (CK)		7				
22	WWR_TSK	←			6				
23	GND	G			5				
24	WWRSKMTK_A-	→			4				
25	WWRSKMTK_B-	→			3				
26	+24V_SK_CK	P	Skew Motor (K)	2					
27	WWRSKMTK_B	→		1					
28	WWRSKMTK_A	→							
CN236	1	RXD_LCIT3	←	CN1272	LCIT	9			
	2	GND	G			8			
	3	TXD_LCIT3_O	→			7			
	4	RXD_LCIT2	←			6			
	5	GND	G			5			
	6	TXD_LCIT2_O	→			4			
	7	RXD_LCIT1	←			3			
	8	GND	G			2			
	9	TXD_LCIT1_O	→			1			

Connector				Signal Information			Connector (TO)		
No	Pin No	Signal Name	Direction	No	To Connector	Pin No			
CN308	1	+24V_FAN	P	CN1231	Controller Box Ozone Collecting Fan	16			
	2	MCBOZFN_LK	←			15			
	3	GND	G			14			
	4	MCBOZFN	→			13			
	5	+24V_FAN	P		Controller Box Exhaust Fan (Bottom)	12			
	6	MCBEFFNUN_LK	←			11			
	7	GND	G			10			
	8	MCBEFFNUN_PWM	→			9			
	9	+24V_FAN	P		Controller Box Intake Fan 1	8			
	10	MEBSFFN1_LK	←			7			
	11	MEBSFFN1	→			6			
	12	+24V_FAN	P			5			
	13	MEBSFFN2_LK	←		Controller Box Intake Fan 2	4			
	14	MEBSFFN2	→			3			
						2			
						1			
	15	+24V_FAN	P		Controller Box Exhaust Fan (Top Left)	32			
	16	MCBEFFNUL_LK	←			31			
	17	GND	G			30			
	18	MCBEFFNUL_PWM	→			29			
	19	+24V_FAN	P		Controller Box Exhaust Fan (Top Right)	28			
	20	MCBEFFNUR_LK	←			27			
	21	GND	G			26			
	22	MCBEFFNUR_PWM	→			25			
	23	+5VX	P			24			
	24	GND	G			23			
	25	GND	G			22			
	26	GND	G			21			
	27	NC	N			20			
	28	NC	N			19			
						18			
						17			
CN309	1	+24V	P	CN1233	PSU2	1			
	2	GND	G			2			
CN311	1	+24V5	P	CN1160	PSU5	1			
	2	GND	G			2			
CN302	1	GND	G	CN1266	RFID (CPU)	9			
	2	+5V	P			8			
	3	TXD_RFID_S	→			7			
	4	RXD_RFID_S	←			6			
	5	RFID_RESET_S_O	→			5			
	6	GND	G			4			
	7	GND	G			3			
	8	NTBLKSNS	←		Toner Bottle Detection Sensor (S)	2			
	9	+5V	P			1			
	10	TSB_RESET	→	CN507	TSB	7			
	11	GND	G			6			
	12	GND	G			5			
	13	TXD_TSB	→			4			
	14	RXD_TSB	←			3			
	15	+5V	P			2			
	16	+5V	P			1			
CN303	1	NDP_MTS_A	→	CN1268	Toner Pump Motor (S)	20			
	2	NDP_MTS_A-	→			21			
	3	GND	G		Toner End Sensor (S)	22			
	4	NTNEDSNS	←			23			
	5	+5V	P		Toner Supply Clutch (S)	24			
	6	+24V	P			25			
	7	NSH_CLS	→		Toner Pump Motor (Y)	26			
	8	NDP_MTY_A	→			27			
	9	NDP_MTY_A-	→		Toner End Sensor (Y)	28			
	10	GND	G			29			
	11	NTNEDSNY	←		Toner Supply Clutch (Y)	30			
	12	+5V	P			31			
	13	+24V	P		Toner Pump Motor (M)	32			
	14	NSH_CLY	→			33			
	15	NDP_MTM_A	→		Toner End Sensor (M)	34			
	16	NDP_MTM_A-	→			35			
	17	GND	G		Toner Supply Clutch (M)	36			
	18	NTNEDSNM	←			37			
	19	+5V	P		Toner Pump Motor (C)	38			
	20	+24V	P			1			
	21	NSH_CLM	→		Toner End Sensor (C)	2			
	22	NDP_MTC_A	→			3			
	23	NDP_MTC_A-	→		Toner Supply Clutch (C)	4			
	24	GND	G			5			
	25	NTNEDSNC	←		Toner Pump Motor (K)	6			
	26	+5V	P			7			
	27	+24V	P		Toner End Sensor (K)	8			
	28	NSH_CLC	→			9			
	29	NDP_MTK_A	→		Toner Supply Clutch (K)	10			
	30	NDP_MTK_A-	→			11			
	31	GND	G		Laser Thermistor (S)	12			
	32	NTNEDSNK	←			13			
	33	+5V	P		Skew Motor (S)	14			
	34	+24V	P			15			
	35	NSH_CLK	→			16			
	36	GND	N			17			
	37	GND	N			18			
	38	GND	N			19			
CN304	1	VWR_TSS	←	CN494	Laser Thermistor (S)	7			
	2	GND	G			6			
	3	VWRSKMTS_A-	→		Skew Motor (S)	5			
	4	VWRSKMTS_B-	→			4			
	5	+24V	P			3			
	6	VWRSKMTS_B	→			2			
	7	VWRSKMTS_A	→			1			

Pin Assign Information				Connector (TO)		
Connector (FROM)	Signal Information			No	To Connector	Pin No
No	Pin No	Signal Name	Direction			
CN305	1	PCG_PP_CLK_S	→	CN769	Charge Bias Power Pack (S)	20
	2	PCG_PPS_LK	←			19
	3	PCG_PPS_DC	→			18
	4	PCG_PPS_FB	←			17
	5	PCG_PPS_AC	→			16
	6	GND	G			15
	7	GND	G			14
	8	+24VS	P			13
	9	+24VS	P			12
	10	N.C.	N			11
	11	ODV_PPS_LK	←		10	
	12	ODV_PPS_PWM	→		9	
	13	ODV_PPS_AC_CLK	→		8	
	14	ODV_PPS_AC_PWM	→		7	
	15	GND	G		6	
	16	GND	G		5	
	17	+24VS	P		4	
	18	+24VS	P		3	
	19	ACSW_STAT_N	←		2	
	20	GND	G		1	
CN306	1	+24VS	P	CN1220	Potential Sensor Board (S)	1
	2	PDR_VSFCS_FB	←			2
	3	GND	G			3
	4	GND	G			4
	5	+24V	P			6
	6	PCL_S	→	CN1080	PCU/S	6
	7	PMARQSW	←			5
	8	GND	G			4
	9	GND	G			3
	10	GND	G			2
	11	PCLSTSWS	←	CN1299	Cleaning Unit Set Switch (S)	1
	12	+24V	P			2
	13	PCCCASLS	→			1
	14	NC	N			2
	15	NSP_MT_CLK	→			
	16	NSP_MT_BRK	→	CN768	Toner Supply Motor	11
	17	NSP_MT_FR	→			10
	18	NSP_MT_ON	→			9
	19	NSP_MT_LOCK	←			8
	20	+5V	P			7
21	GND	G	6			
22	GND	G	5			
23	GND	G	4			
24	+24VS	P	3			
25	+24VS	P	2			
CN307	1	GND	G	CN1081	Cleaning Unit Set Switch (Y)	3
	2	PCLSTSWY	←			2
	3	+24V	P	CN1323	Charge Roller Cleaning Roller Solenoid (Y)	1
	4	PCCCASLY	→			2
	5	GND	G	CN1082	Cleaning Unit Set Switch (M)	3
	6	PCLSTSWM	←			2
	7	+24V	P	CN1324	Charge Roller Cleaning Roller Solenoid (M)	1
	8	PCCCASLM	→			2
	9	GND	G	CN1083	Cleaning Unit Set Switch (C)	3
	10	PCLSTSWC	←			2
	11	+24V	P	CN1325	Charge Roller Cleaning Roller Solenoid (C)	1
	12	PCCCASLC	→			2
	13	GND	G	CN1084	Cleaning Unit Set Switch (K)	3
	14	PCLSTSWK	←			2
	15	+24V	P	CN1296	Charge Roller Cleaning Roller Solenoid (K)	1
	16	PCCCASLK	→			2
	17	PPC_TH_TMP	←	CN1271	PCDU Temperature/Humidity Senor	1
	18	GND	G			2
	19	PPC_TH_WET	←			3
	20	+5V	P			4
CN316	1	GND	G	CN849	Fuser Unit	16
	2	reserve	N			16
	3	+5V				15
	4	FBLPQSN				14
	5	GND				13
	6	+5V	P			12
	7	FRRCASN	←			11
	8	GND	G			10
	9	GND	G			9
	10	FFP_TSEG	←			8
	11	GND	G			7
	12	FFP_TSCT_DT	←			6
	13	FFP_TSCT_CCM	←			5
	14	SN_TDRW2_I	←			4
	15	reserve	N	CN848	Fuser Unit	3
	16	+5V_ID	P			2
	17	FUSER_SDA_O	↔			1
	18	FUSER_SCL_O	→			19
	19	GND	G			18
	20	+5V	P			17
21	FPCHPSNB	←	16			
22	GND	G	15			
23	+5V	P	14			
24	FPCHPSNA	←	13			
25	GND	G	12			
26	+5V	P	11			
27	FFPPQSN	←	10			
28	GND	G	9			
29	+5V	P	8			
30	FFUEQSN	←	7			
31	GND	G	6			
CN317	1	NC	N	CN846	Fuser Unit	5
	2	SN_TDRW1_I	←			4
	3	GND	G			3
	4	FFH_TSBC	←			2
	5	GND	G			1
	6	FFR_TS_DT	←			13
	7	FFR_TS_CCM	←			12
	8	GND	G			11
	9	FFH_TSEG_DT	←			10
	10	FFH_TSEG_CCM	←			9
	11	NC	N			8
	12	NC	N			7
	13	NC	N			6
	14	GND	G			5
	15	NC	N			4

IOB Pin Assign Information								
Connector (FROM)		Signal Information		Connector (TO)				
No	Pin No	Signal Name	Direction	No	To Connector	Pin No		
CN336	1	BDCGCMT_ER	←	CN50	Decurler	19		
	2	BDCGCMT_HL	→			18		
	3	BDCGCMT_FR	→			17		
	4	BDCGCMT_CLK	→			16		
	5	BDCGCMT_EN	→			15		
	6	BDCPVMT_ER	←			14		
	7	BDCPVMT_HL	→			13		
	8	BDCPVMT_FR	→			12		
	9	BDCPVMT_CLK	→			11		
	10	BDCPVMT_EN	→			10		
	11	MOTOR_MODE_DDRB	→			9		
	12	DDRB_SET	←			8		
	13	BDCOLSN	←			7		
	14	BDCHPSN	←			6		
	15	GND	G			5		
	16	MOTOR_RESET_N	→			4		
	17	GND	G			3		
	18	+5V	P			2		
					1			
CN338	1	T_GND_24V	→	CN731	FIN	5		
	2	T_24V	→			4		
	3	T-GND	→			3		
	4	T_5V_X	→			2		
	5	+5V	P	CN730	FIN	1		
	6	+5V	P			9		
	7	+5V	P			8		
	8	FIN_RXD	←			7		
	9	GND	G			6		
	10	FIN_TXD	→			5		
	11	GND	G			4		
	12	GND	G			3		
	13	GND	G			2		
CN1080	7			CN1329	PCU/S	1		
	6	+24V	P			4		
	5	PCL_S	→			3		
	4	PMARQSW	←			2		
	3	GND	G			1		
CN1084	2	GND	G	CN1328	Cleaning Unit Set Switch (S)	2		
	1	PCLSTSWS	←			1		
CN1084	1	GND	G	CN1300	Cleaning Unit Set Switch (K)	2		
	2	PCLSTSWK	←			1		
CN1081	3	GND	G	CN1327	Cleaning Unit Set Switch (Y)	2		
	2	PCLSTSWY	←			1		
CN1083	3	GND	G	CN1297	Cleaning Unit Set Switch (C)	2		
	2	PCLSTSWC	←			1		
CN1082	3	GND	G	CN1326	Cleaning Unit Set Switch (M)	2		
	2	PCLSTSWY	←			1		
CN325	1	+24V	P	CN1319	Ozone Exhaust Fan (K)	1		
	2	MOZEFFNK_LOK	←			2		
	3	MOZEFFNK	→			3		
	4	+24V	P	CN1318	Ozone Exhaust Fan (C)	1		
	5	MOZEFFNC_LOK	←			2		
	6	MOZEFFNC	→			3		
	7	+24V	P	CN1317	Ozone Exhaust Fan (M)	1		
	8	MOZEFFNM_LOK	←			2		
	9	MOZEFFNM	→			3		
	10	+24V	P	CN1316	Ozone Exhaust Fan (Y)	1		
	11	MOZEFFNY_LOK	←			2		
	12	MOZEFFNY	→			3		
	13	+24V	P	CN1320	Ozone Exhaust Fan (S)	1		
	14	MOZEFFNS_LOK	←			2		
	15	MOZEFFNS	→			3		
CN318	1	FFU_MT_FR	→	CN1172	Fusing Motor	5		
	2	GND	G			4		
	3	FFU_MT_CLK	→			3		
	4	FFU_MT_LK	→			2		
	5	FFU_MT_ON	→			1		
	6	FFRDSMT_ENC_A	←	CN1175	Pressure Roller Lift Motor	8		
	7	FFRDSMT_ENC_B	←			7		
	8	+5V	P			6		
	9	FFRDSMT_FR	→			5		
	10	FFRDSMT_PWM	→			4		
	11	FFRDSMT_BRK	→			3		
	12	GND	G			2		
	13	+24VS	P			1		
	14	GND	N					
	15	FRRCAMT_A	→			CN1273	Fuser Belt Smoothing Roller Motor	1
	16	FRRCAMT_A-	→	2				
	17	FRRCAMT_B-	→	3				
	18	FRRCAMT_B	→	4				
	19	FRR_MT_GAIN	→	10				
	20	FRR_MT_CLK	→	CN1274	Fuser Belt Smoothing Roller Contact Motor	9		
	21	FRR_MT_BRK	→			8		
	22	FRR_MT_FR	→			7		
	23	FRR_MT_ON	→			6		
	24	FRR_MT_LK	←			5		
	25	GND	G			4		
	26	GND	G			3		
	27	+24VS	P			2		
	28	+24VS	P			1		
CN328	1	PP_1T_S_PWM_O	→			CN801	ITB	21
	2	PP_1T_S_LK_I	←					20
	3	PP_1T_S_FB_I	←					19
	4	FAN_PSN	→					18
	5	FAN_PSN_LK	G	17				
	6	GND	G	16				
	7	GND	←	15				
	8	TT1CASNK1	←	14				
	9	TCLSTSW	→	13				
	10	TICSTSW	→	12				
	11	VTM_F_PWM_O	→	11				
	12	VTM_F_OUT_I	←	10				
	13	PSN_MREF_FB_I	→	9				
	14	VTM_C_PWM_O	P	8				
	15	3.3V	←	7				
	16	VTM_C_OUT_I	←	6				
	17	VTM_R_OUT_I	→	5				
	18	VTM_R_PWM_O	G	4				
	19	GND	N	3				
	20	RESERVE	N	2				
	21	RESERVE	N	1				

IOB Pin Assign Information				IOB Pin Assign Information			
Connector (FROM)		Signal Information		Connector (TO)			
No	Pin No	Signal Name	Direction	No	To Connector		Pin No
CN313	1	CT2UPMT SN2	←	CN283	PFB		14
	2	CT2UPMT SN1	←				13
	3	CT2UPMT LK	←				12
	4	CT2UPMT A	→				11
	5	CT2UPMT A-	→				10
	6	CT1UPMT A	→				9
	7	CT1UPMT A-	→				8
	8	TTI TH TEMP	←				7
	9	TTI TH WET	←				6
	10	CTTLKSL	→				5
	11	CTTCNSL	→				4
	12	R TDM SET	←				3
	13	CPGPQSN	←				2
	14	LWBNFSN	←				1
	15	LWBFLSN	←				28
	16	LWBSTSW	←				27
	17	LWDOCSW	←				26
	18	LBW MT CLK	→				25
	19	LBW MT LK	←				24
	20	LBW MT ON	→				23
	21	LBMLKSN	←				22
	22	BANK LED TRY2	→				21
	23	BANK LED TRY1	→				20
	24	CT1UPMT LK	←				19
	25	CTTMVMT LK	←				18
	26	DET 5VS DOOR	←				17
	27	DET 24V3 PFB	←				16
	28	DET 24VS4 PFB	←				15
CN314	1	CFFFDMT CLK	→	CN282	PFB		18
	2	CFFFDMT EN	→				17
	3	CFSCVMT ER	←				16
	4	CFSCVMT HL	→				15
	5	CFSCVMT MODE	→				14
	6	CFSCVMT CLK	→				13
	7	CFSCVMT ENB	→				12
	8	CFFCVMT ER	←				11
	9	CFFCVMT HL	→				10
	10	CFFCVMT MODE	→				9
	11	CFFCVMT CLK	→				8
	12	CFFCVMT EN	→				7
	13	CTH MT ER	←				6
	14	CTH MT HL	→				5
	15	CTH MT CLK	→				4
	16	CTH MT ENB	→				3
	17	MOTOR MODE PFB	→				2
	18	DRB 5V DETECT	←				1
	19	RESET RYB	→				36
	20	SN R DRW PFB	→				35
	21	CBKOUMT ER	←				34
	22	CBKOUMT HL	→				33
	23	CBKOUMT CLK	→				32
	24	CBKOUMT ENB	→				31
	25	CFSFDMT ER	←				30
	26	CFSFDMT HL	←				29
	27	CFSFDMT MODE	→				28
	28	CFSFDMT CLK	→				27
	29	CFSFDMT ENB	→				26
	30	CFFFDMT ER	←				25
	31	CFFFDMT HL	→				24
	32	CFFFDMT MODE	→				23
	33	GND	G				22
	34	+5VX	P				21
	35	PON ENG PFB	→				20
	36	PSU ENB	←				19
CN315	1	MHDYSN1	←	CN284	PFB		20
	2	CTH SN	←				19
	3	CFSFDSN	←				18
	4	CFSCVSN	←				17
	5	CFFFDNSN	←				16
	6	CFFCVSN	←				15
	7	CT2STSW	←				14
	8	CT2SZSW SIZE5	←				13
	9	CT2SZSW SIZE4	←				12
	10	CT2SZSW SIZE3	←				11
	11	CT2SZSW SIZE2	←				10
	12	CT2SZSW SIZE1	←				9
	13	L TDM SET I	←				8
	14	CRECSSN	←				7
	15	CREOPSN	←				6
	16	CFECSSN	←				5
	17	CFEOPSN	←				4
	18	CMVPOSN	←				3
	19	CMVHPSN	←				2
	20	CLTYESN	←				1
	21	MDUOCWSW	→				40
	22	CREOCSL	→				39
	23	CFEOCSL	→				38
	24	CFSPESN	←				37
	25	CFFPESN	←				36
	26	CFSRESL	→				35
	27	CFFPUSL	→				34
	28	CFFRESL	→				33
	29	CFFPUSL	→				32
	30	CTLLSN	←				31
	31	CRTYESN	←				30
	32	CTTROSN4	←				29
	33	CTTROSN3	←				28
	34	CTTROSN2	←				27
	35	CTTROSN1	←				26
	36	CFSAPSN	←				25
	37	CFFAPSN	←				24
	38	CBKOUSN	←				23
	39	CTTMVMT A-	→				22
	40	CTTMVMT A	→				21
CN1266	9	GND	G	CN1267	RFID (CPU)		6
	8	+5V	P				5
	7	TXD RFID S	→				4
	6	RXD RFID S	→				3
	5	RFID RESET S O	→				2
	4	GND	G				1
CN1208	3	GND	G	CN1279	Toner Bottle Detection Sensor (S)		3
	2	NTBLKSNS	←				2
	1	+5V	P				1
CN1208	7	NDP MTS A	→	CN1279	Toner Pump Motor (S)		1
	6	NDP MTS A-	→				2
	5	GND	G	CN1280	Toner End Sensor (S)		3
	4	NTNEDSNS	←				2
	3	+5V	P	CN1281	Toner Supply Clutch (S)		1
	2	+24V	P				2
CN1208	1	NSH CLS	←	CN1281	Toner Supply Clutch (S)		1
	2	+24V	P				2

PFB Pin Assign Information																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
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CN286	1	GND	G	CN711	Tray1 Separation Roller Solenoid	13	CN713	Tray1 Pickup Roller Solenoid	11	CN712	Tray1 Pickup Roller Lift Sensor	8	CN714	Tray2 Separation Roller Solenoid	13	CN717	Tray2 Pickup Roller Solenoid	10	CN718	Tray2 Pickup Roller Lift Sensor	8	CN719	Tray2 Paper End Sensor	5	CN720	Tray2 Paper Feed Sensor	3	CN721	Tray2 Paper Feed Sensor	2	CN722	Tray2 Paper Feed Sensor	1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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CN287	1	GND	G	CN714	1st Transport Sensor	15	CN717	2nd Transport Sensor	11	CN718	Vertical Transport Sensor	8	CN719	Main Relay Sensor 1	5	CN720	Bank Exit Sensor	2	CN721	Bank Exit Sensor	1	CN722	Bank Exit Sensor	1	CN723	Bank Exit Sensor	1	CN724	Bank Exit Sensor	1	CN725	Bank Exit Sensor	1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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Tray(Left)	1	CN786	Tandem Tray(Left)	1	CN787	Tandem Tray(Left)	1	CN788	Tandem Tray(Left)	1	CN789	Tandem Tray(Left)	1	CN790	Tandem Tray(Left)	1	CN791	Tandem Tray(Left)	1	CN792	Tandem Tray(Left)	1	CN793	Tandem Tray(Left)	1	CN794	Tandem Tray(Left)	1	CN795	Tandem Tray(Left)	1	CN796	Tandem Tray(Left)	1	CN797	Tandem Tray(Left)	1	CN798	Tandem Tray(Left)	1	CN799	Tandem Tray(Left)	1	CN800	Tandem Tray(Left)	1	CN801	Tandem Tray(Left)	1	CN802	Tandem Tray(Left)	1	CN803	Tandem Tray(Left)	1	CN804	Tandem Tray(Left)	1	CN805	Tandem Tray(Left)	1	CN806	Tandem Tray(Left)	1	CN807	Tandem Tray(Left)	1	CN808	Tandem Tray(Left)	1	CN809	Tandem Tray(Left)	1	CN810	Tandem Tray(Left)	1	CN811	Tandem Tray(Left)	1	CN812	Tandem Tray(Left)	1	CN813	Tandem Tray(Left)	1	CN814	Tandem Tray(Left)	1	CN815	Tandem Tray(Left)	1	CN816	Tandem Tray(Left)	1	CN817	Tandem Tray(Left)	1	CN818	Tandem Tray(Left)	1	CN819	Tandem Tray(Left)	1	CN820	Tandem Tray(Left)	1	CN821	Tandem Tray(Left)	1	CN822	Tandem Tray(Left)	1	CN823	Tandem Tray(Left)	1	CN824	Tandem Tray(Left)	1	CN825	Tandem Tray(Left)	1	CN826	Tandem Tray(Left)	1	CN827	Tandem Tray(Left)	1	CN828	Tandem Tray(Left)	1	CN829	Tandem Tray(Left)	1	CN830	Tandem Tray(Left)	1	CN831	Tandem Tray(Left)	1	CN832	Tandem Tray(Left)	1	CN833	Tandem Tray(Left)	1	CN834	Tandem Tray(Left)	1	CN835	Tandem Tray(Left)	1	CN836	Tandem Tray(Left)	1	CN837	Tandem Tray(Left)	1	CN838	Tandem Tray(Left)	1	CN839	Tandem Tray(Left)	1	CN840	Tandem Tray(Left)	1	CN841	Tandem Tray(Left)	1	CN842	Tandem Tray(Left)	1	CN843	Tandem Tray(Left)	1	CN844	Tandem Tray(Left)	1	CN845	Tandem Tray(Left)	1	CN846	Tandem Tray(Left)	1	CN847	Tandem Tray(Left)	1	CN848	Tandem Tray(Left)	1	CN849	Tandem Tray(Left)	1	CN850	Tandem Tray(Left)	1	CN851	Tandem Tray(Left)	1	CN852	Tandem Tray(Left)	1	CN853	Tandem Tray(Left)	1	CN854	Tandem Tray(Left)	1	CN855	Tandem Tray(Left)	1	CN856	Tandem Tray(Left)	1	CN857	Tandem Tray(Left)	1	CN858	Tandem Tray(Left)	1	CN859	Tandem Tray(Left)	1	CN860	Tandem Tray(Left)	1	CN861	Tandem Tray(Left)	1	CN862	Tandem Tray(Left)	1	CN863	Tandem Tray(Left)	1	CN864	Tandem Tray(Left)	1	CN865	Tandem Tray(Left)	1	CN866	Tandem Tray(Left)	1	CN867	Tandem Tray(Left)	1	CN868	Tandem Tray(Left)	1	CN869	Tandem Tray(Left)	1	CN870	Tandem Tray(Left)	1	CN871	Tandem Tray(Left)	1	CN872	Tandem Tray(Left)	1	CN873	Tandem Tray(Left)	1	CN874	Tandem Tray(Left)	1	CN875	Tandem Tray(Left)	1	CN876	Tandem Tray(Left)	1	CN877	Tandem Tray(Left)	1	CN878	Tandem Tray(Left)	1	CN879	Tandem Tray(Left)	1	CN880	Tandem Tray(Left)	1	CN881	Tandem Tray(Left)	1	CN882	Tandem Tray(Left)	1	CN883	Tandem Tray(Left)	1	CN884	Tandem Tray(Left)	1	CN885	Tandem Tray(Left)	1	CN886	Tandem Tray(Left)	1	CN887	Tandem Tray(Left)	1	CN888	Tandem Tray(Left)	1	CN889	Tandem Tray(Left)	1	CN890	Tandem Tray(Left)	1	CN891	Tandem Tray(Left)	1	CN892	Tandem Tray(Left)	1	CN893	Tandem Tray(Left)	1	CN894	Tandem Tray(Left)	1	CN895	Tandem Tray(Left)	1	CN896	Tandem Tray(Left)	1	CN897	Tandem Tray(Left)	1	CN898	Tandem Tray(Left)	1	CN899	Tandem Tray(Left)	1	CN900	Tandem Tray(Left)	1	CN901	Tandem Tray(Left)	1	CN902	Tandem Tray(Left)	1	CN903	Tandem Tray(Left)	1	CN904	Tandem Tray(Left)	1	CN905	Tandem Tray(Left)	1	CN906

CEU Pin Assign Information

Connector (FROM)		Signal Information		Connector (TO)		
No	Pin No	Signal Name	Direction	No	To Connector	Pin No
CN88	1	PDR_ENS1	←	CN91	EXDB	18
	2	PDR_ENS2	←			17
	3	PDR_MTSHU	←			16
	4	PDR_MTSHV	←			15
	5	PDR_MTSPHW	←			14
	6	PDR_MTSPWM	←			13
	7	PDR_MTSFR	→			12
	8	PDR_MTSBRK	→			11
	9	PDR_MTSO_N	→			10
	10	PDR_MTSFL	←			9
	11	PDRHPSNS	←			8
	12	GND	G			7
	13	GND	G			6
	14	RESET_MOTOR1_EXDB	→			5
	15	TITCAMTSCC	→			4
	16	TITCAMTSEN	→			3
	17	TITCAMTSCLK	→			2
	18	5ST_ST	←			1
CN1174	1	RDPRVMT_A		CN1227	Duplex Inverter Motor	6
	2	+24VS_C2				5
	3	RDPRVMT_A				4
	4	RDPRVMT_B				3
	5	+24VS_C2				2
	6	RDPRVMT_B				1

DRB Pin Assign Information

Connector (FROM)		Signal Information		Connector (TO)		
No	Pin No	Signal Name	Direction	No	To Connector	Pin No
CN259	1			CN983	CRB	17
	2					18
	3					19
	4					20
	5					21
	6					22
	7					23
	8					24
	9					25
	10					26
	11					27
	12					28
	13					29
	14					30
	15					31
	16					32
	17	GND	G		Registration Timing Sensor	1
	18	CRGTISN_SNS_N	←			2
	19	+5V	P			3
	20	GND	G	Main Relay Sensor 2	Main Relay Sensor 2	4
	21	MHDRYSN2_SNS_N	←			5
	22	+5V	P			6
	23	GND	G	Main Relay Sensor 3	Main Relay Sensor 3	7
	24	MHDRYSN3_SNS_N	←			8
	25	+5V	P			9
	26	CPADFLELI_LED-K	→	Double-feed Sensor 1 (LED)	Double-feed Sensor 1 (LED)	10
	27	+5V	P			11
	28	GND	G			12
	29	CPADFSNRV_COR1	→	ouble-feed Sensor 2 (Recepto	ouble-feed Sensor 2 (Recepto	13
	30	CPADFSNRV_COR2	→			14
	31	CPADFSNRV_SNS_N	←			15
	32	+5V	P	CIS Fan	CIS Fan	16
CN258	1	+24VS	P			17
	2	CCSCEFN_LOK	←			18
	3	CCSCEFN	→	Registration Gate Sensor	Registration Gate Sensor	19
	4	GND	G			20
	5	CGRHPSN_SNS	←			21
	6	+5V	P	Shift Unit Sensor	Shift Unit Sensor	22
	7	GND	G			23
	8	CSUHPSN_SNS	←			24
	9	+5V	P	Transfer Timing Roller Rotation Ser	Transfer Timing Roller Rotation Ser	25
	10	GND	G			26
	11	CTR_EN1_ENC-A	←			27
	12	+5V	P	Transfer Timing Roller Rotation Ser	Transfer Timing Roller Rotation Ser	28
	13	GND	G			29
	14	CTR_EN2_ENC-A	←			30
	15	+5V	P	LCT Relay Roller Solenoid	LCT Relay Roller Solenoid	1
	16	+24VS	P			2
	17	CLCRYSL_OUT	→			3
	18	+24VS	P	Main Relay Roller Solenoid 1	Main Relay Roller Solenoid 1	4
	19	MHDRYSL1_OUT	→			5
	20	+24VS	P	Main Relay Roller Solenoid 2	Main Relay Roller Solenoid 2	6
	21	MHDRYSL2_OUT	→			7
	22	GND	G	Transfer Timing Sensor	Transfer Timing Sensor	8
	23	TTSTISN_SNS_N	←			9
	24	+5V	P	Duplex Transport Sensor 4	Duplex Transport Sensor 4	10
	25	GND	G			11
	26	RDPCVSN6_SNS_N	←			12
	27	+5V	P	Duplex Transport Sensor 5	Duplex Transport Sensor 5	13
	28	GND	G			14
	29	RDPCVSN7_SNS_N	←			15
	30	+5V	P	CN257	Shift Unit Motor	1
	1	CUNSHMT_A	→			2
	2	+24VS	P			3
	3	CUNSHMT_XA	→			4
	4	CUNSHMT_B	→			5
	5	+24VS	P			6
	6	CUNSHMT_XB	→			7

DRB Pin Assign Information

Connector (FROM)		Signal Information		Connector (TO)		
No	Pin No	Signal Name	Direction	No	To Connector	Pin No
CN260	1	N.C.		CN984	LCIT Relay Sensor 2	1
	2	N.C.				2
	3	N.C.				3
	4	N.C.				4
	5	N.C.				5
	6	N.C.				6
	7	GND	G			7
	8	CLCRYSN2_SNS_N	←			8
	9	+5V	P			9
	10	GND	G			10
	11	CLCRYSN1_SNS_N	←			11
	12	+5V	P			12
CN256	1	CRGINMT_XA	→	CN984	Registration Entrance Motor	13
	2	+24VS	P			14
	3	CRGINMT_A	→			15
	4	CRGINMT_B	→			16
	5	+24VS	P		Registration Timing Motor	17
	6	CRGINMT_XB	→			18
	7	CRGTIMT_A	→			19
	8	+24VS	P			20
	9	CRGTIMT_XA	→			21
	10	CRGTIMT_B	→			22
	11	+24VS	P			23
	12	CRGTIMT_XB	→			24
CN254	1	CSR_MT_XA	→	CN909	Shift Roller Motor	25
	2	+24VS	P			26
	3	CSR_MT_A	→			27
	4	CSR_MT_B	→			28
	5	+24VS	P		Duplex Transport Motor 2	29
	6	CSR_MT_XB	→			30
	7	RDPCVMT3_XA	→			31
	8	+24VS	P			32
	9	RDPCVMT3_A	→		Separation Power Pack	1
	10	RDPCVMT3_B	→			2
	11	+24VS	P			3
	12	RDPCVMT3_XB	→			4
	13	N.C.	N		Shift Timing Motor	5
	14	N.C.	N			6
	15	+24VS	P			7
	16	GND	G			8
	17	ZDHVP_TSP_PP_AC	→		Registration Gate Motor	9
	18	ZDHVP_TSP_PP_DC	→			10
	19	ZDHVP_TSP_PP_LK	→			11
	20	TTSTIMT_V	→			12
	21	TTSTIMT_W	→	CN255	Registration Gate Motor	13
	22	TTSTIMT_U	→			14
	23	+5V	P			15
	24	GND	G			16
	25	TTSTIMT_HW	→	CN910	Shift Unit Motor	17
	26	TTSTIMT_HV	→			18
	27	TTSTIMT_HU	→			19
	28	N.C.	N			20
	1	CGR_MT_A	→	CN985	Registration Gate Motor	21
	2	+24VS	P			22
	3	CGR_MT_XA	→			23
	4	CGR_MT_B	→			24
	5	+24VS	P	CN937	Shift Unit Motor	25
	6	CGR_MT_XB	→			26
	7	CUNSHMT_A	→			27
	8	+24VS4	P			28
	9	CUNSHMT_XA	→	CN937	Shift Unit Motor	29
	10	CUNSHMT_B	→			30
	11	+24VS4	P			31
	12	CUNSHMT_XB	→			32
	1	CUNSHMT_A	→	CN916	CIS Fan	1
	2	+24VS	P			2
	3	CCSCEFN_LOK	←			3
	4	CCSCEFN	→			4
	5	GND	G	CN916	Registration Gate Sensor	5
	6	CGRHPSN_SNS	←			6
	7	+5V	P			7
	8	GND	G			8
	9	CSUHPSN_SNS	←	CN916	Shift Unit Sensor	9
	10	+5V	P			10
	11	GND	G			11
	12	CTR_EN1_ENC-A	←			12
	13	+5V	P	CN921	Transfer Timing Roller Rotation Ser	13
	14	GND	G			14
	15	CTR_EN2_ENC-A	←			15
	16	+24VS	P			16
	17	CLCRYSL_OUT	→	CN922	LCT Relay Roller Solenoid	17
	18	+24VS	P			18
	19	MHDRYSL1_OUT	→			19
	20	+24VS	P			20
	21	MHDRYSL2_OUT	→	CN919	Main Relay Roller Solenoid 2	21
	22	GND	G			22
	23	TTSTISN_SNS_N	←			23
	24	+5V	P	CN923	Transfer Timing Sensor	24
	25	GND	G			25
	26	RDPCVSN6_SNS_N	←			26
	27	+5V	P	CN931	Duplex Transport Sensor 4	27
	28	GND	G			28
	29	RDPCVSN7_SNS_N	←			29
	30	+5V	P			30

DRB Pin Assign Information

Connector (FROM)		Signal Information		Connector (TO)		
No	Pin No	Signal Name	Direction	No	To Connector	Pin No</

CRB Pin Assign Information

Connector (FROM)		Signal Information		Connector (TO)		
No	Pin No	Signal Name	Direction	No	To Connector	Pin No
CN75	1	TITSTSS	→	CN802	ITB	18
	2	TSTHPSN	→			17
	3	TST MT CLK	→			16
	4	TST MT EN	→			15
	5	TST MT FR	→			14
	6	TST MT CC	→			13
	7	TST MT FLG	→			12
	8	TIBPSSN LED	→			11
	9	TIBFBSN TS	→			10
	10	GND	G			9
	11	TIBORSNBC	→			8
	12	TIBORSNFR	→			7
	13	TIBPSSNA	→			6
	14	TIBPSSNB	→			5
	15	TT1CASNK2	→			4
	16	TITCAMTKCLK	→			3
	17	TITCAMTKEN	→			2
	18	TITCAMTKCC	→	CN803	ITB	16
	19	RESET MOTOR1 TDRB	→			15
	20	GND	G			14
	21	TT1CASNS	→			13
	22	TT2CAMT CLK	→			12
	23	TT2CAMT EN	→			11
	24	TT2CAMT FR	→			10
	25	TT2CAMT CC	→			9
	26	TT2CAMT FLG	→			8
	27	TT2CASN	→			7
CN77	1	TITSTSS		CN800	ITB	23
	2	TT1 PPK FB				22
	3	TT1 PPK LK				21
	4	TT1 PPK PWM				20
	5	TT1 PPC FB				19
	6	TT1 PPC LK				18
	7	TT1_PPC_PWM				17
	8	TT1_PPM_FB				16
	9	TT1_PPM_LK				15
	10	TT1_PPM_PWM				14
	11	TT1 PPY FB				13
	12	TT1 PPY LK				12
	13	TT1 PPY PWM				11
	14	TT2 PP FB V				10
	15	TT2 PP LK				9
	16	TT2 PP PWM DC CC				8
	17	TT2 PP PWM DC CV				7
	18	TT2 PP FB C				6
	19	TT2 PP CCSV				5
	20	TT2 PP_B_PWM_DC				4
	21	TT2 PP DUTY AC				3
	22	TT2 PP AC LK				2
	23	TT2 PP PWM AC				1
CN72	1	NC	N	CN976	ITB Drive Motor Encoder 1	3
	2	NC	N			2
	3	GND	G			1
	4	TIT_EN1	→			3
	5	+5V	P			2
	6	GND	G			1
	7	TIT_EN2	→	CN977	ITB Drive Motor Encoder 2	1
	8	+5V	P			8
	9	TIT MT W	→			7
	10	TIT MT V	→			6
	11	TIT MT U	→			5
	12	GND	G			4
	13	TIT MT HV	→			3
CN82	14	TIT MT HV	→	CN950	ITB Drive Motor	2
	15	TIT MT HU	→			1
	16	+5V	P			3
	1	GND	G			2
	2	TSTHPSN	→			1
	3	+5V	P			3
	4	GND	G			2
	5	TCLSTSW	→			1
	6	GND	N	CN963	Belt Centering Roller HP Sensor	3
	7	PMASTSS	N			2
CN974	8	GND	N			1
	9	PMAEDSW	N			3
	1	GND	G			2
	2	TT1CASNK2	→			1
	3	+5V	P			3
	1	GND	G			2
	2	TT2CASN	→			1
	3	+5V	P			3
	4	GND	N	CN962	ITB Cleaning Unit Set Switch	2
	5	TCLSTSW	→			1
CN971	6	GND	N			3
	7	PMASTSS	N			2
	8	GND	N			1
	9	PMAEDSW	N			3
	1	GND	G			2
	2	TT1CASNK2	→			1
	3	+5V	P			3
	1	GND	G			2
	2	TT2CASN	→			1
CN71	1	TITCAMTFC_A	→	CN1129	ITB Contact Motor (YMC)	1
	2	TITCAMTFC -A	→			2
	3	TITCAMTFC -B	→			3
	4	TITCAMTFC_B	→			4
	5	TITCAMTK_A	→			1
	6	TITCAMTK -A	→			2
	7	TITCAMTK -B	→			3
	8	TITCAMTK_B	→			4
	1	+24VS TDRB	P	CN955	ITB Contact Motor (K)	1
CN80	2	TT2CAMT_A	→			2
	3	TT2CAMT -A	→			3
	4	+24VS TDRB	P			4
	5	TT2CAMT_B	→			5
	6	TT2CAMT -B	→			6
	7	NC	N			7

CRB Pin Assign Information

Connector (FROM)		Signal Information		Connector (TO)		
No	Pin No	Signal Name	Direction	No	To Connector	Pin No
CN70	1	N.C.	N	CN956	Front Overrun Sensor	3
	2	GND	G			2
	3	TIBORSNFR	→			1
	4	+5V	P			3
	5	GND	G			2
	6	TIBORSNBC	→			1
	7	+5V	P			5
	8	GND	G			4
	9	TIBPSSNB	→			3
	10	TIBPSSNA	→			2
	11	+5V	P			1
	12	TIBPSSN LED	→			3
	13	GND	G			2
	14	TT1CASNK1	→			1
	15	+5V_LED	P	CN957	Belt Centering Sensor	9
	16	TIBFBSN TS	→			8
	17	TIBFBSNSB	→			7
	18	TIBFBSNSBLED	→			6
	19	TIBFBSNSBAN	→			5
	20	TIBFBSNMNAN	→			4
	21	TIBFBSNMN	→			3
	22	TIBFBSNMNLED	→			2
	23	GND	G			1
	24	+5V	P	CN951	ge Transfer Contact Sensor (F	1
CN81	1	+24VS TDRB	P			2
	2	TPS_FN_LK_I	→			3
	3	FAN_PSN	→			1
CN78	1	+24VS TDRB	P			2
	2	TST_MT_A	→			3
	3	TST_MT -A	→			4
	4	+24VS TDRB	P			5
	5	TST_MT_B	→			6
	6	TST_MT -B	→			7

CRB Pin Assign Information

Connector (FROM)		Signal Information		Connector (TO)			
No	Pin No	Signal Name	Direction	No	To Connector	Pin No	
CN501	1	GND	G	CN1249	Toner End Sensor 2 (Y)	5	
	2	NTNEDSNY2_SNS	→			4	
	3	+5V	P			3	
	4	NSHDRMTY_OUT1	→			2	
	5	NSHDRMTY_OUT2	→			1	
	6	GND	G	CN1247	Toner End Sensor 2 (M)	5	
	7	NTNEDSNM2_SNS	→			4	
	8	+5V	P			3	
	9	NSHDRMTM_OUT1	→			2	
	10	NSHDRMTM_OUT2	→			1	
	11	GND	G	CN1245	Toner End Sensor 2 (C)	5	
	12	NTNEDSNC2_SNS	→			4	
	13	+5V	P			3	
	14	NSHDRMTC_OUT1	→			2	
	15	NSHDRMTC_OUT2	→			1	
	16	GND	G	CN1243	Toner End Sensor 2 (K)	5	
	17	NTNEDSNK2_SNS	→			4	
	18	+5V	P			3	
	19	NSHDRMTK_OUT1	→			2	
	20	NSHDRMTK_OUT2	→			1	
CN502	1	GND	G	CN1248	Toner Bottle Detection Sensor (Y)	7	
	2	NTBLKSNY_SNS	→			6	
	3	+5V	P			5	
	4	GND	G				
	5	NTBOCSNY_SNS	→				
	6	+5V	P				
	7	+24V	P				
	8	NTBDRMTY_OUT2	→			4	
	9	NTBOCMTY_OUT1	→			3	
	10	NTBOCMTY_OUT2	→			2	
	11	GND	G	CN1246	Toner Bottle Cap Motor (Y)	1	
	12	NTBLKSNM_SNS	→			7	
	13	+5V	P			6	
	14	GND	G			5	
	15	NTBOCSNM_SNS	→				
	16	+5V	P				
	17	+24V	P				
	18	NTBDRMTM_OUT2	→			4	
	19	NTBOCMTM_OUT1	→			3	
	20	NTBOCMTM_OUT2	→			2	
	21	GND	G	CN1244	Toner Bottle Cap Motor (M)	1	
	22	NTBLKSNK_SNS	→			7	
	23	+5V	P			6	
	24	GND	G			5	
	25	NTBOCSNC_SNS	→				
	26	+5V	P				
	27	+24V	P				
	28	NTBDRMTC_OUT2	→			4	
	29	NTBOCMTC_OUT1	→			3	
	30	NTBOCMTC_OUT2	→			2	
CN503	31	GND	G	CN1242	Toner Bottle Detection Sensor (K)	7	
	32	NTBLKSNK_SNS	→			6	
	33	+5V	P			5	
	34	GND	G			4	
	35	NTBOCSNK_SNS	→			1	
	CN1242	36	+5V	P	CN787	Toner Bank Door Detection Sensor	2
		37	+24V	P			3
		38	NTBDRMTK_OUT2	→			4
		39	NTBOCMTK_OUT1	→			3
		40	NTBOCMTK_OUT2	→			2
1		+24V	P	CN1242	Toner Bottle Cap Motor (K)	1	
2		N.C.	N			1	
3		NTBDRMTS_OUT2	→			2	
7		GND	G			3	
6		NTBLKSNY_SNS	→			2	
CN1247	5	+5V	P	CN1011	Toner Bottle Detection Sensor (M)	1	
	4	+24V	P			2	
	3	NTBDRMTY_OUT2	→			1	
	2	NTBDRMTY_OUT1	→			2	
	1	NTBOCMTY_OUT2	→			1	
CN1244	7	GND	G	CN1007	Toner Bottle Cap Motor (K)	3	
	6	NTBLKSNY_SNS	→			2	
	5	+5V	P			1	
	4	+24V	P			2	
	3	NTBDRMTY_OUT2	→			1	
CN1009	2	NTBOCMTY_OUT1	→	CN1010	Toner Bottle Motor (C)	2	
	1	NTBOCMTY_OUT2	→			1	
						2	

Right Drawer Pin Assign Information

Connector (FROM)				Signal Information			Connector (TO)		
No	Pin No	Signal Name	Direction	No	To Connector	Pin No			
CN906	1	Reserve	→	CN252	DRB	1			
	2	SN_R_DRW	←			2			
	3	CPADFLELI_PWM_R	→			3			
	4	CPADFLELI_PWM_F	→			4			
	5	CPADFSNRV_STD	→			5			
	6	CPADFSNRV_2ND	→			6			
	7	CPADFSNRV_FB	←			7			
	8	TSP_PP_LK	←			8			
	9	TSP_PP_AC_PWM	→			9			
	10	TSP_PP_DC_PWM	→			10			
	11	CIS_VOUT0	←			11			
	12	CIS_VOUT1	←			12			
	13	CIS_VOUT2	←			13			
CN907	1	COMP_TH_PWM	→			14			
	2	CIS_MODE	→			15			
	3	CIS_SYNC	→			16			
	4	CIS_CLK	→			17			
	5	LED1_R_CC_PWM	→			18			
	6	LED1_G_CC_PWM	→			19			
	7	LED1_B_CC_PWM	→			20			
	8	LED1_R_CC_ON	→			21			
	9	LED1_G_CC_ON	→			22			
	10	LED1_B_CC_ON	→			23			
CN905	1	GND	G	CN253	DRB	1			
	2	+24VS4_F5	P			2			
	3	+24VS4_F5	P			3			
	4	GND	G			4			
	5	+5VS4_DRB	P			5			
	6	GND							

Left Drawer Pin Assign Information

Connector (FROM)				Signal Information			Connector (TO)		
No	Pin No	Signal Name	Direction	No	To Connector	Pin No			
CN1028	3	GND	G	CN1040	Exit Unit Entrance Sensor	3			
	2	EEXINSN	←			2			
	1	+5V	P			1			
CN1015	6	EEXRYMT_XB		CN1047	Invert Exit Motor	6			
	5	+24VS				5			
	4	EEXRYMT_B				4			
	3	EEXRYMT_A				3			
	2	+24VS				2			
	1	EEXRYMT_XA				1			
CN1015	6	EEXRVMT_XB		CN1227	Exit Relay Motor	6			
	5	+24VS				5			
	4	EEXRVMT_B				4			
	3	EEXRVMT_A				3			
	2	+24VS				2			
	1	EEXRVMT_XA				1			

Paper Transfer DC Power Pack Pin Assign

Connector (FROM)				Signal Information			Connector (TO)		
No	Pin No	Signal Name	Direction	No	To Connector	Pin No			
CN155	1	TT2_PP_2TAC_IF		CN156	Paper Transfer AC Power Pack	2			
	2	TT2_PP_2TDC_IF				1			

Fuser Unit Pin Assign Information

Connector (FROM)				Signal Information			Connector (TO)		
No	Pin No	Signal Name	Direction	No	To Connector	Pin No			
CN1218	1	GND	G	CN1217	Accordion Jam Sensor	3			
	2	FBLPQSN	←			2			
	3	+5V	P			1			

ITB Pin Assign Information

Connector (FROM)				Signal Information			Connector (TO)		
No	Pin No	Signal Name	Direction	No	To Connector	Pin No			
CN975	9	VTM_F_PWM_O	←	CN952	ID/MUSIC Sensor	1			
	8	VTM_F_OUT_I	←			2			
	7	PSN_MREF_FB_I	→			3			
	6	VTM_C_PWM_O	P			4			
	5	3.3V	←			5			
	4	VTM_C_OUT_I	←			6			
	3	VTM_R_OUT_I	→			7			
	2	VTM_R_PWM_O	G			8			
	1	GND	N			9			

Development BiasPower Pack (CK) Pin Assign Information

Connector (FROM)				Signal Information			Connector (TO)		
No	Pin No	Signal Name	Direction	No	To Connector	Pin No			
CN161	1	B1	→	T175	Development Roller (C)	1			
	2								
	3	B2	→	T176	Development Roller (K)	1			

D194/D195/D203/D204/M195/M196/M207/M208 ELECTRICAL COMPONENT LAYOUT (1/5)

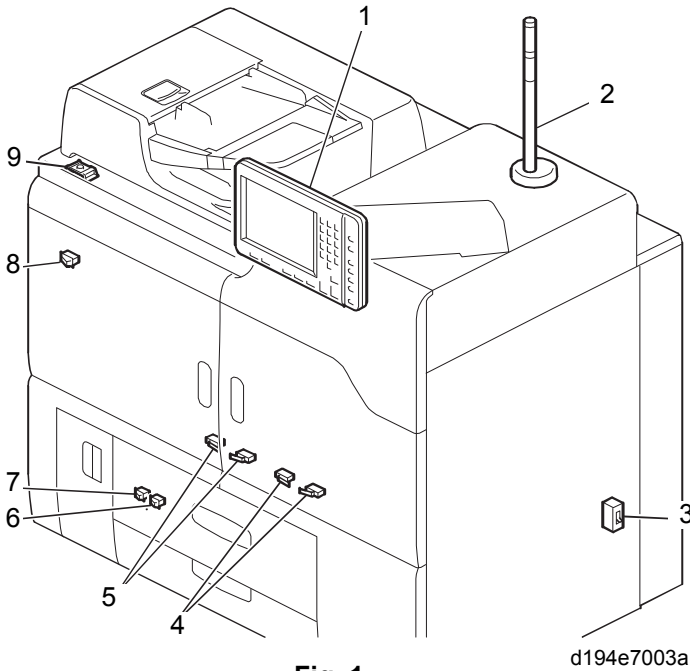


Fig. 1

d194e7003a

Index No.	Description	Symbol	P to P	Page
D194/D195/D203/D204 M195/M196/M207/M208			D194/D195/D203/D204 M195/M196/M207/M208	
fig 1-1	Operation Panel	-	A10-11	1/3
	LCDC	PCB59	A11	1/3
	KEY:PCB 2	PCB47	A11	1/3
	LED PCB	PCB48	A11	1/3
	KEY:PCB 1	PCB46	A11	1/3
	SD Card/USB	PCB60	B10	1/3
	OPU: IO	PCB44	B11	1/3
	OPU: TP	PCB61	B11	1/3
	LCD	OT13	B11	1/3
	Touch Panel	SEN110	B11	1/3
fig 1-2	Attention Light	PCB45	H6	2/3
fig 1-3	Circuit Breaker	OT3	H1	1/3
fig 1-4	Interlock Switch Right 1, 2	SW14, 15	G7	1/3
fig 1-5	Interlock Switch Left 1, 2	SW12, 13	G7	1/3
fig 1-6	ITB Heater Switch	SW16	H3	1/3
fig 1-7	Bank Heater Switch	SW7	G3	1/3
fig 1-8	AC Power Switch	SW10	H3	1/3
fig 1-9	Main Power Switch	PCB14	A5	1/3

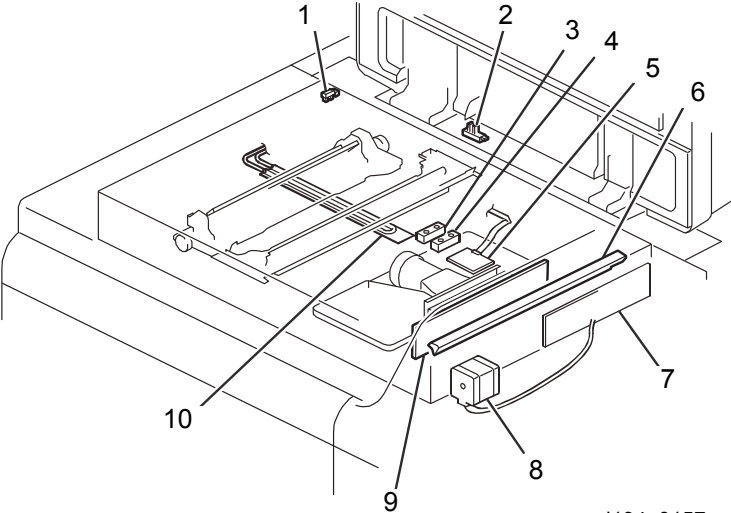


Fig. 4

d194e0157a

Index No.	Description	Symbol	P to P	Page
D194/D195 D203/D204			D194/D195 D203/D204	
fig 4-1	Scanner HP Sensor	SEN38	E9	1/3
fig 4-2	Platen Sensor	SEN120	C9	1/3
fig 4-3	APS Sensor 1	SEN39	E9	1/3
fig 4-4	APS Sensor 2	SEN37	E9	1/3
fig 4-5	IDB	PCB54	E9	1/3
fig 4-6	Exposure Lamp			1/3
fig 4-7	SIO	PCB36	E9	1/3
fig 4-8	Scanner Motor	STM19	F9	1/3
fig 4-9	SBU	PCB37	E9	1/3
fig 4-10	Anti-condensation Heater	HT8	E10	1/3

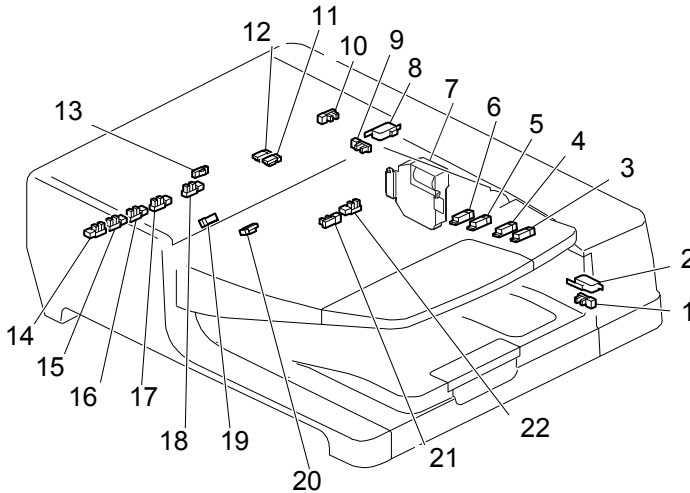


Fig. 2

d194e7019a

Index No.	Description	Symbol	P to P	Page
D194/D195 D203/D204			D194/D195 D203/D204	
fig 2-1	Lift-up Sensor	S2	A10	3/3
fig 2-2	ADF Lift Interlock SW	SW9	F10	3/3
fig 2-3	Original Length Sensor (LG)	S3	A10	3/3
fig 2-4	Original Length Sensor (A4)	S4	A10	3/3
fig 2-5	Original Length Sensor (B5)	S5	B10	3/3
fig 2-6	Original Length Sensor (A4 LEF, LT LEF)	S6	C10	3/3
fig 2-7	ADF Bottom Plate Lift Motor	M2	E10	3/3
fig 2-8	ADF Feed Cover Interlock SW	SW14	E10	3/3
fig 2-9	Bottom Plate Position Sensor	S8	D1	3/3
fig 2-10	Pickup Roller HP Sensor	S9	C1	3/3
fig 2-11	Separation Sensor	S10	C1	3/3
fig 2-12	Skew Correction Sensor	S11	C1	3/3
fig 2-13	Scan Entrance Sensor (Interval Sensor)	S13	D1	3/3
fig 2-14	Original Width Sensor 5	S14	A1	3/3
fig 2-15	Original Width Sensor 4	S15	A1	3/3
fig 2-16	Original Width Sensor 3	S16	A1	3/3
fig 2-17	Original Width Sensor 2	S17	B1	3/3
fig 2-18	Original Width Sensor 1	S18	B1	3/3
fig 2-19	Original Registration Sensor	S19	D1	3/3
fig 2-20	Original Exit Sensor	S20	D1	3/3
fig 2-21	Bottom Plate HP Sensor	S21	B10	3/3
fig 2-22	Original Set Sensor	S1	B10	3/3

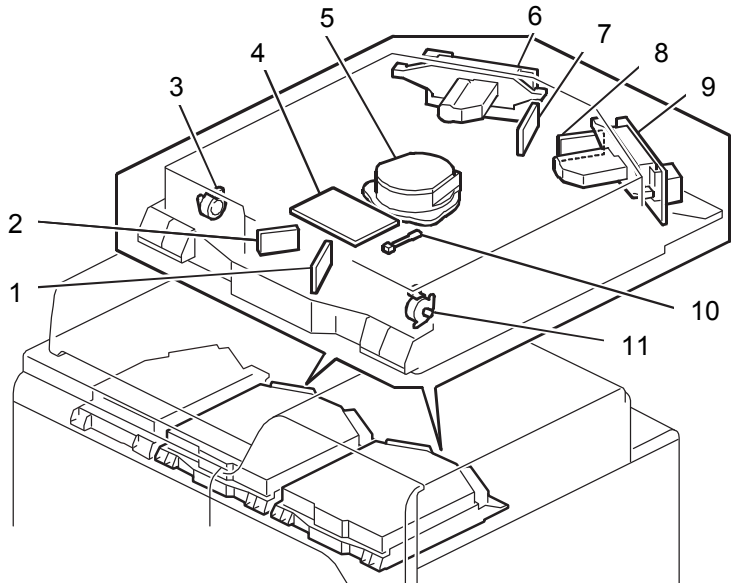


Fig. 5

d194e7005a

Index No.	Description	Symbol	P to P	Page
D194/D195 D203/D204			D194/D195 D203/D204	
fig 5-1	Laser Synchronization Detection Board (M-S)	PCB27	A9	1/3
fig 5-2	Laser Synchronization Detection Board (K-S)	PCB29	A10	1/3
fig 5-3	Laser Synchronization Detection Board (Y-E)	PCB30	A8	1/3
fig 5-4	Laser Synchronization Detection Board (C-E)	PCB32	A10	1/3
fig 5-5	Skew Motor (Y)	STM13	A8	1/3
fig 5-6	Skew Motor (C)	STM12	A9	1/3
fig 5-7	Polygon Drive Board (YM)	PCB57	A8	1/3
fig 5-8	Polygon Drive Board (CK)	PCB56	A9	1/3
fig 5-9	Polygon Motor (YM)	BLM18	A8	1/3
fig 5-10	Polygon Motor (CK)	BLM20	A9	1/3
fig 5-11	LDB (Y)	PCB21	B8	1/3
fig 5-12	LDB (C)	PCB23	B9	1/3
fig 5-13	Laser Synchronization Detection Board (Y-S)	PCB26	A8	1/3
fig 5-14	Laser Synchronization Detection Board (C-S)	PCB28	A9	1/3
fig 5-15	Laser Synchronization Detection Board (M-E)	PCB31	A9	1/3
fig 5-16	Laser Synchronization Detection Board (K-E)	PCB33	A10	1/3
fig 5-17	LDB (M)	PCB22	B9	1/3
fig 5-18	LDB (K)	PCB24	B10	1/3
fig 5-19	Laser Thermistor (YM)	SEN34	B8	1/3
fig 5-20	Laser Thermistor (CK)	SEN14	B9	1/3
fig 5-21	Skew Motor (M)	STM11	A8	1/3
fig 5-22	Skew Motor (K)	STM4	A9	1/3

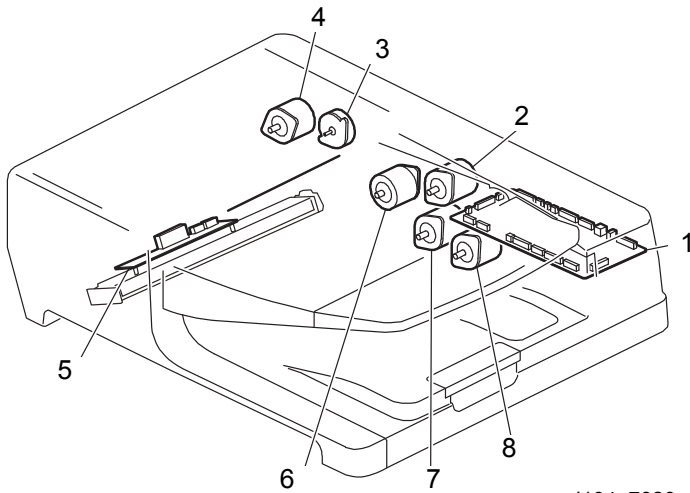


Fig. 3

d194e7020a

Index No.	Description	Symbol	P to P	Page
D194/D195 D203/D204			D194/D195 D203/D204	
fig 3-1	ADF Control Board	PCB2	C5	3/3
fig 3-2	ADF Entrance Motor	M3	D10	3/3
fig 3-3	ADF Pick-up Roller Motor	M5	B3	3/3
fig 3-4	ADF Transport Motor	M4	B1	3/3
fig 3-5	CIS	PCB3	F2	3/3
fig 3-6	ADF Feed Motor	M1	C10	3/3
fig 3-7	ADF Scan Motor	M6	E10	3/3
fig 3-8	ADF Relay Motor	M7	D10	3/3

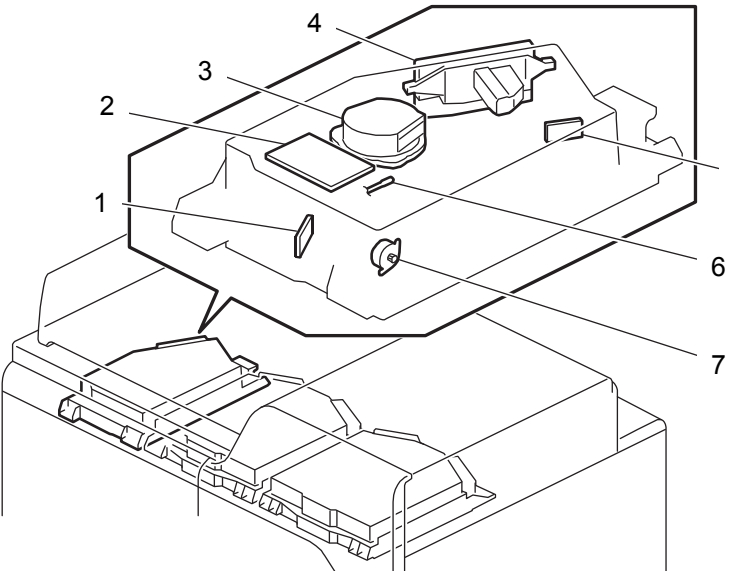


Fig. 6

d194e7006a

Index No.	Description	Symbol	P to P	Page
D194/D195 M195/M196			D194/D195 M195/M196	
fig 6-1	Laser Synchronization Detection Board (S-S)	PCB34	A7	1/3
fig 6-2	Polygon Drive Board (S)	PCB58	A7	1/3
fig 6-3	Polygon Motor (S)	BLM26	A7	1/3
fig 6-4	LDB (S)	PCB25	B7	1/3
fig 6-5	Laser Synchronization Detection Board (S-E)	PCB35	A7	1/3
fig 6-6	Laser Thermistor (S)	SEN125	B7	1/3
fig 6-7	Skew Motor (S)	STM30	A7	1/3

D194/D195/D203/D204/M195/M196/M207/M208 ELECTRICAL COMPONENT LAYOUT (2/5)

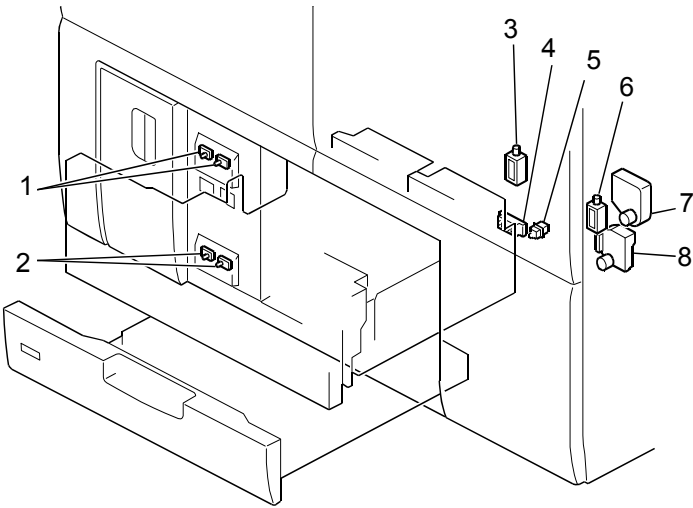


Fig. 7

Index No.	Description	Symbol	P to P	Page
D194/D195/D203/D204 M195/M196/M207/M208			D194/D195/D203/D204 M195/M196/M207/M208	
fig 7-1	Bank LED 1, 2	LED2/3	G10	1/3
fig 7-2	Bank LED 3, 4	LED4/5	G10	1/3
fig 7-3	Tray 1 Right Tray Lock Solenoid	SOL20	G10	1/3
fig 7-4	Paper Size Switch	SW1	G10	1/3
fig 7-5	Set Detection Switch	SW2	G9	1/3
fig 7-6	Tray 1 Left Tray Lock Solenoid	SOL21	G10	1/3
fig 7-7	Tray 1 Lift Motor	BM1	G9	1/3
fig 7-8	Tray 2 Lift Motor	BM2	G9	1/3

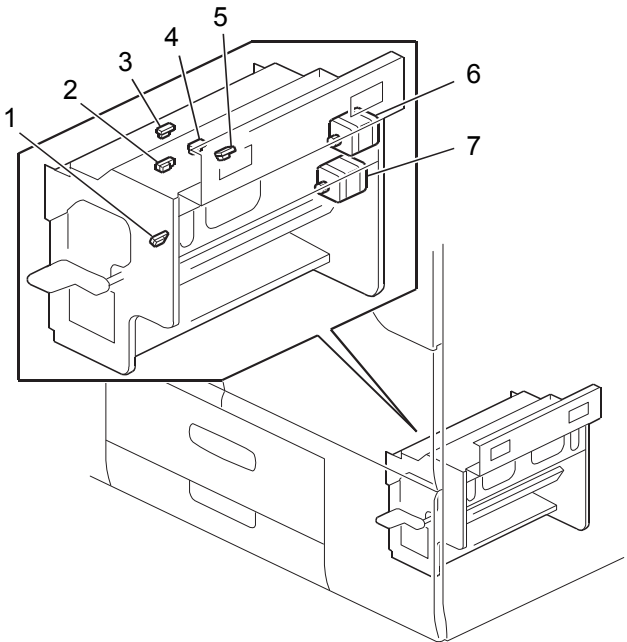


Fig. 10

Index No.	Description	Symbol	P to P	Page
D194/D195/D203/D204 M195/M196/M207/M208			D194/D195/D203/D204 M195/M196/M207/M208	
fig 10-1	2nd Transport Sensor	SEN21	G9	1/3
fig 10-2	Vertical Transport Sensor	SEN22	G9	1/3
fig 10-3	1st Transport Sensor	SEN20	H9	1/3
fig 10-4	Main Relay Sensor 1	SEN24	G8	1/3
fig 10-5	Bank Exit Sensor	STM23	G9	1/3
fig 10-6	Bank Exit Motor	STM10	G11	1/3
fig 10-7	Vertical Transport Motor	STM9	G11	1/3

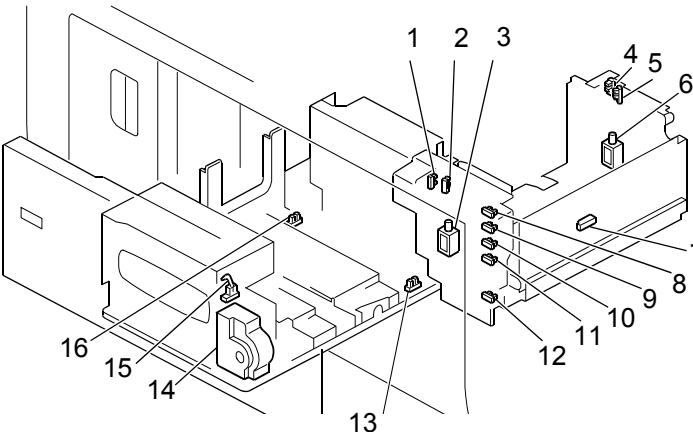


Fig. 8

Index No.	Description	Symbol	P to P	Page
D194/D195/D203/D204 M195/M196/M207/M208			D194/D195/D203/D204 M195/M196/M207/M208	
fig 8-1	Front Side Fence Closed Sensor	SEN87	B11	2/3
fig 8-2	Front Side Fence Open Sensor	SEN86	B11	2/3
fig 8-3	Front Side Fence Solenoid	SOL15	B10	2/3
fig 8-4	Rear Side Fence Closed Sensor	SEN89	B11	2/3
fig 8-5	Rear Side Fence Open Sensor	SEN88	B11	2/3
fig 8-6	Rear Side Fence Solenoid	SOL16	B11	2/3
fig 8-7	Tray 1 Right Tray Paper Sensor	SEN85	B11	2/3
fig 8-8	Paper Height Sensor 1	SEN28	B11	2/3
fig 8-9	Paper Height Sensor 2	SEN29	B11	2/3
fig 8-10	Paper Height Sensor 3	SEN31	B11	2/3
fig 8-11	Paper Height Sensor 4	SEN32	B11	2/3
fig 8-12	Lower Limit Sensor	SEN90	B11	2/3
fig 8-13	Tray 1 Rear Fence Return Sensor	SEN93	B10	2/3
fig 8-14	Rear Fence Drive Motor	BM8	B10	2/3
fig 8-15	Tray 1 Left Tray Paper Sensor	SEN91	B10	2/3
fig 8-16	Tray 1 Rear Fence HP Sensor	SEN92	B10	2/3

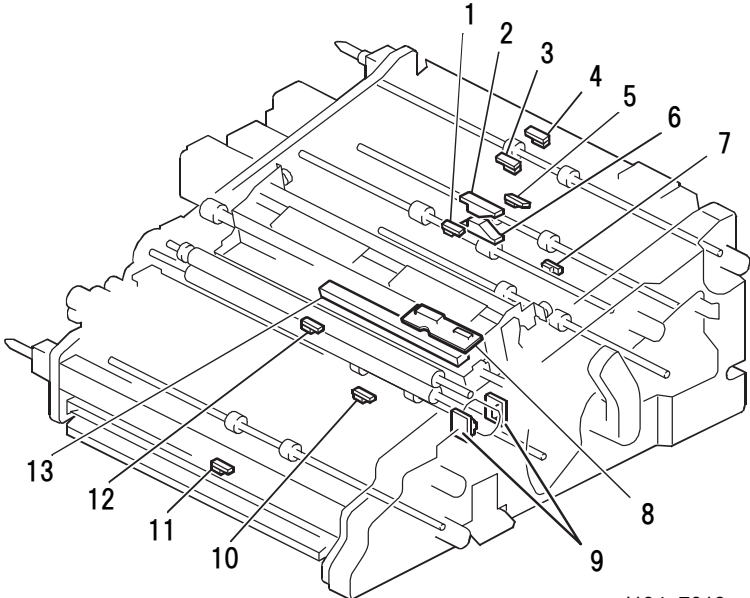


Fig. 11

Index No.	Description	Symbol	P to P	Page
D194/D195/D203/D204 M195/M196/M207/M208			D194/D195/D203/D204 M195/M196/M207/M208	
fig 11-1	Registration Timing Sensor	SEN45	C5	2/3
fig 11-2	Double-feed Sensor 2 (Receptor)	SEN98	C6	2/3
fig 11-3	LCIT Relay Sensor 2	SEN46	C7	2/3
fig 11-4	LCIT Relay Sensor 1	SEN47	C7	2/3
fig 11-5	Main Relay Sensor 3	SEN44	C5	2/3
fig 11-6	Double-feed Sensor 1 (LED)	LED1	C6	2/3
fig 11-7	Main Relay Sensor 2	SEN30	C5	2/3
fig 11-8	CRB	PCB10	C5	2/3
fig 11-9	Transfer Timing Roller Rotation Sensor 1,2	SEN17/73	C6	2/3
fig 11-10	Duplex Transport Sensor 5	SEN10	C7	2/3
fig 11-11	Duplex Transport Sensor 4	SEN9	C7	2/3
fig 11-12	Transfer Timing Sensor	SEN33	C7	2/3
fig 11-13	CIS	SEN40	D5	2/3

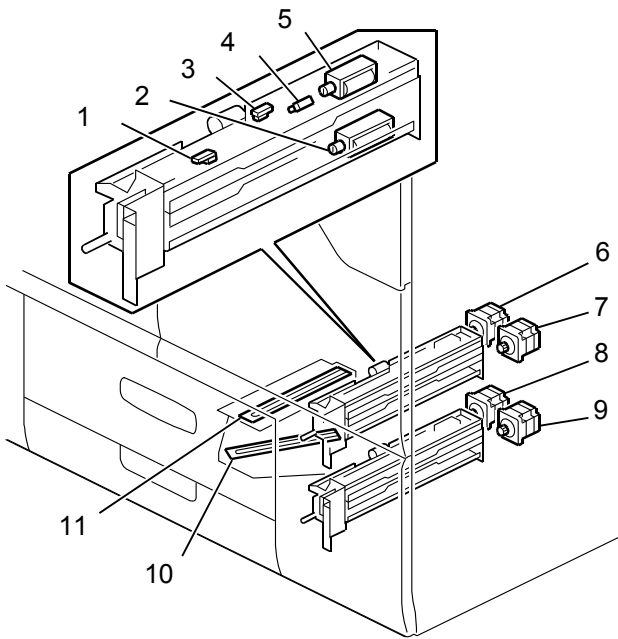


Fig. 9

Index No.	Description	Symbol	P to P	Page
D194/D195/D203/D204 M195/M196/M207/M208			D194/D195/D203/D204 M195/M196/M207/M208	
fig 9-1	1st/2nd Paper Feed Sensor	SEN18/19	G8	1/3
fig 9-2	Tray1/2 Separation Roller Solenoid	SOL13/2	G8	1/3
fig 9-3	Tray1/2 Paper End Sensor	SEN25/26	G8	1/3
fig 9-4	Tray1/2 Pickup Roller Lift Sensor	SEN72/27	G8	1/3
fig 9-5	Tray1/2 Pickup Roller Solenoid	SOL14/1	G8	1/3
fig 9-6	Tray 1 Paper Feed Motor	STM5	G11	1/3
fig 9-7	Tray 1 Grip Motor	STM7	G11	1/3
fig 9-8	Tray 2 Paper Feed Motor	STM6	G11	1/3
fig 9-9	Tray 2 Grip Motor	STM8	G11	1/3
fig 9-10	Bank Heater: Lower	HT2	G3	1/3
fig 9-11	Bank Heater: Upper	HT1	G3	1/3

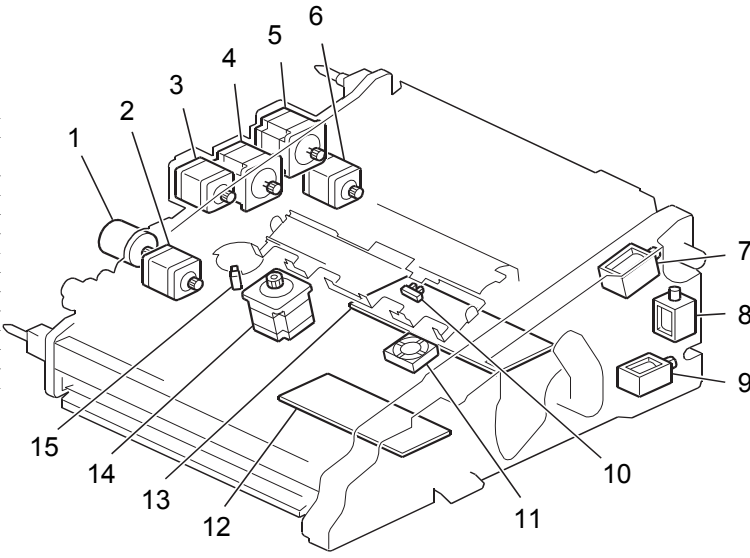


Fig. 12

Index No.	Description	Symbol	P to P	Page
D194/D195/D203/D204 M195/M196/M207/M208			D194/D195/D203/D204 M195/M196/M207/M208	
fig 12-1	Shift Timing Motor	BLM19	C8	2/3
fig 12-2	Duplex Transport Motor 2	STM3	C8	2/3
fig 12-3	Shift Roller Motor	STM16	C8	2/3
fig 12-4	Registration Gate Motor	STM17	C9	2/3
fig 12-5	Registration Timing Motor	STM15	C8	2/3
fig 12-6	Registration Entrance Motor	STM14	C8	2/3
fig 12-7	LCT Relay Roller Solenoid	SOL5	C6	2/3
fig 12-8	Main Relay Roller Solenoid 1	SOL3	C7	2/3
fig 12-9	Main Relay Roller Solenoid 2	SOL4	C7	2/3
fig 12-10	Registration Gate Sensor	SEN36	C6	2/3
fig 12-11	CIS Fan	FAN8	C6	2/3
fig 12-12	Separation Power Pack	HVP1	C8	2/3
fig 12-13	DRB	PCB6	B6	2/3
fig 12-14	Shift Unit Motor	STM18	C9	2/3
fig 12-15	Shift Unit Sensor	SEN35	C6	2/3

D194/D195/D203/D204/M195/M196/M207/M208 ELECTRICAL COMPONENT LAYOUT (3/5)

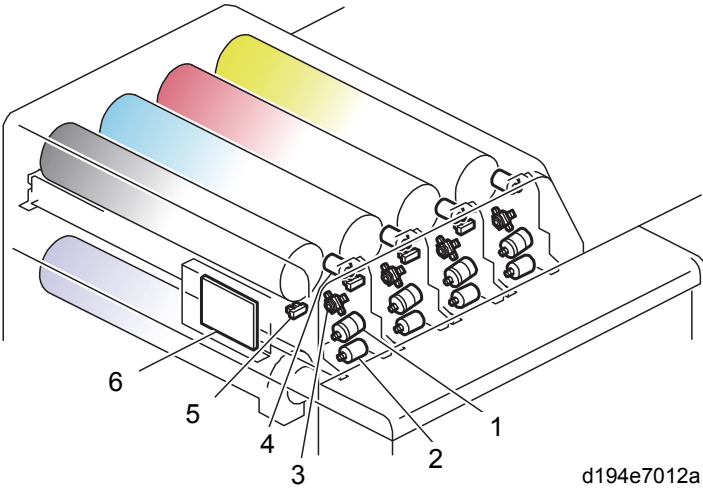


Fig. 13

Index No.	Description	Symbol	P to P	Page
D194/D195/D203/D204 M195/M196/M207/M208			D194/D195/D203/D204 M195/M196/M207/M208	
fig 13-1	Toner Bottle Motor (Y)	BM6	H3	2/3
	Toner Bottle Motor (M)	BM5	H3	2/3
	Toner Bottle Motor (C)	BM4	H4	2/3
	Toner Bottle Motor (K)	BM3	H4	2/3
fig 13-2	Toner Agitator Motor (Y)	BM10	H4	2/3
	Toner Agitator Motor (M)	BM11	H5	2/3
	Toner Agitator Motor (C)	BM12	H5	2/3
	Toner Agitator Motor (K)	BM13	H5	2/3
fig 13-3	Toner End Sensor 2 (Y)	SEN122	H5	2/3
	Toner End Sensor 2 (M)	SEN121	H5	2/3
	Toner End Sensor 2 (C)	SEN119	H5	2/3
	Toner End Sensor 2 (K)	SEN118	H5	2/3
fig 13-4	Toner Bottle Cap Motor (Y)	BM14	H3	2/3
	Toner Bottle Cap Motor (M)	BM15	H3	2/3
	Toner Bottle Cap Motor (C)	BM16	H4	2/3
	Toner Bottle Cap Motor (K)	BM17	H4	2/3
fig 13-5	Toner Bottle Detection Sensor (Y)	SEN81	H3	2/3
	Toner Bottle Detection Sensor (M)	SEN80	H3	2/3
	Toner Bottle Detection Sensor (C)	SEN79	H4	2/3
	Toner Bottle Detection Sensor (K)	SEN78	H4	2/3
fig 13-6	TSB	PCB13	G3	2/3

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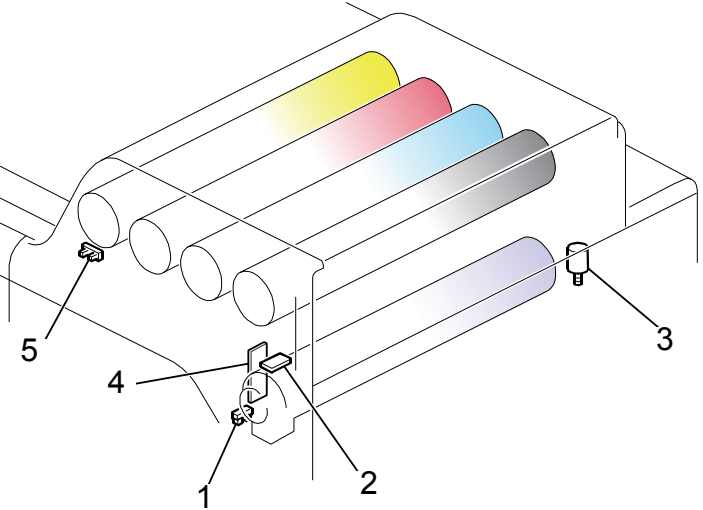


Fig. 14

Index No.	Description	Symbol	P to P	Page
D194/D195/D203/D204 M195/M196/M207/M208			D194/D195/D203/D204 M195/M196/M207/M208	
- fig 14-1	Toner Bottle Detection Sensor (S)	SEN2	- H6	2/3
- fig 14-2	RFID (Antenna)	PCB19	- H6	2/3
- fig 14-3	Toner Bottle Motor (S)	BM9	- G6	2/3
- fig 14-4	RFID (CPU)	PCB18	- H6	2/3
fig 14-5	Toner Bank Door Detection Sensor	SEN117	G3	2/3

d194d7007

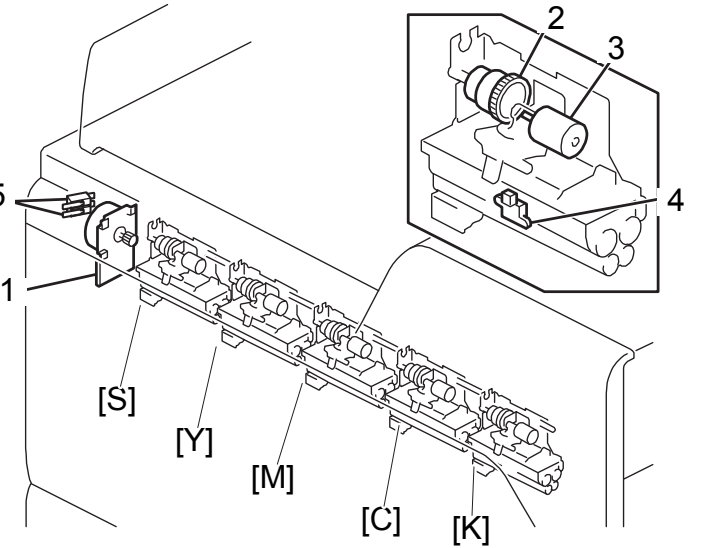


Fig. 15

Index No.	Description	Symbol	P to P	Page
D194/D195/D203/D204 M195/M196/M207/M208			D194/D195/D203/D204 M195/M196/M207/M208	
fig 15-1	Toner Supply Motor	BLM21	A5	1/3
	Toner Supply Clutch (S)	CL1	- H2	2/3
	Toner Supply Clutch (Y)	CL5	H2	2/3
	Toner Supply Clutch (M)	CL4	H2	2/3
	Toner Supply Clutch (C)	CL3	H2	2/3
fig 15-2	Toner Supply Clutch (K)	CL2	H2	2/3
	Toner Pump Motor (S)	BM22	- H2	2/3
	Toner Pump Motor (Y)	BM18	H1	2/3
	Toner Pump Motor (M)	BM19	H1	2/3
	Toner Pump Motor (C)	BM20	H1	2/3
fig 15-3	Toner Pump Motor (K)	BM21	H1	2/3
	Toner End Sensor (S)	SEN111	- H2	2/3
	Toner End Sensor 1 (Y)	SEN64	H1	2/3
	Toner End Sensor 1 (M)	SEN63	H1	2/3
	Toner End Sensor 1 (C)	SEN62	H1	2/3
fig 15-4	Toner End Sensor 1 (K)	SEN5	H1	2/3
	Toner Hopper Cover Interlock Switch 1,2	SW20/18	A5	1/3
fig 15-5				

d194d7008

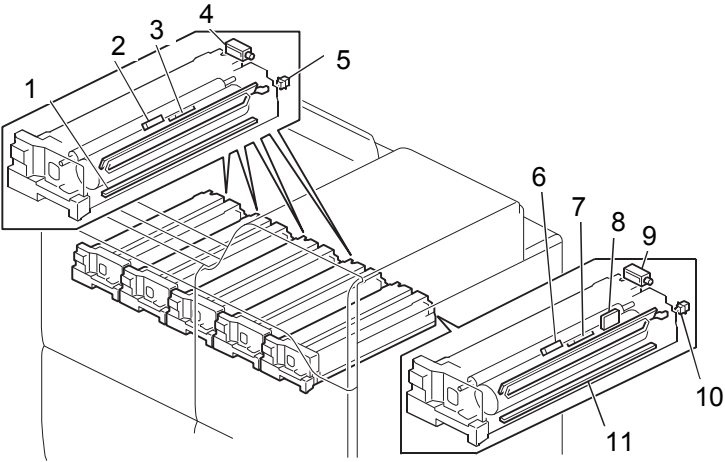


Fig. 16

d194e7009a

Index No.	Description	Symbol	P to P	Page
D194/D195/D203/D204 M195/M196/M207/M208			D194/D195/D203/D204 M195/M196/M207/M208	
fig 16-1	PCL (S)	LED6	- A1	1/3
	PCL (Y)	LED1	A2	1/3
	PCL (M)	LED2	A3	1/3
	PCL (C)	LED3	A3	1/3
fig 16-2	Potential Sensor (S)	SEN105	- B4	1/3
	Potential Sensor (Y)	SEN106	A4	1/3
	Potential Sensor (M)	SEN107	A4	1/3
	Potential Sensor (C)	SEN108	A4	1/3
fig 16-3	TD Sensor (S)	SEN113	- A1	1/3
	TD Sensor (Y)	SEN70	A2	1/3
	TD Sensor (M)	SEN68	A2	1/3
	TD Sensor (C)	SEN69	A3	1/3
fig 16-4	Charge Roller Cleaning Roller Solenoid (S)	SOL19	- C5	1/3
	Charge Roller Cleaning Roller Solenoid (Y)	SOL11	C5	1/3
	Charge Roller Cleaning Roller Solenoid (M)	SOL10	C5	1/3
	Charge Roller Cleaning Roller Solenoid (C)	SOL9	C5	1/3
fig 16-5	Cleaning Unit Set Switch (S)	SW17	- B2	1/3
	Cleaning Unit Set Switch (Y)	SW6	B2	1/3
	Cleaning Unit Set Switch (M)	SW5	B3	1/3
	Cleaning Unit Set Switch (C)	SW4	B3	1/3
fig 16-6	Potential Sensor (K)	SEN109	A4	1/3
fig 16-7	TD Sensor (K)	SEN4	A4	1/3
fig 16-8	PCDU Temperature/Humidity Sensor	SEN58	C5	1/3
fig 16-9	Charge Roller Cleaning Roller Solenoid (K)	SOL6	C5	1/3
fig 16-10	Cleaning Unit Set Switch (K)	SW3	B4	1/3
fig 16-11	PCL (K)	LED4	A4	1/3

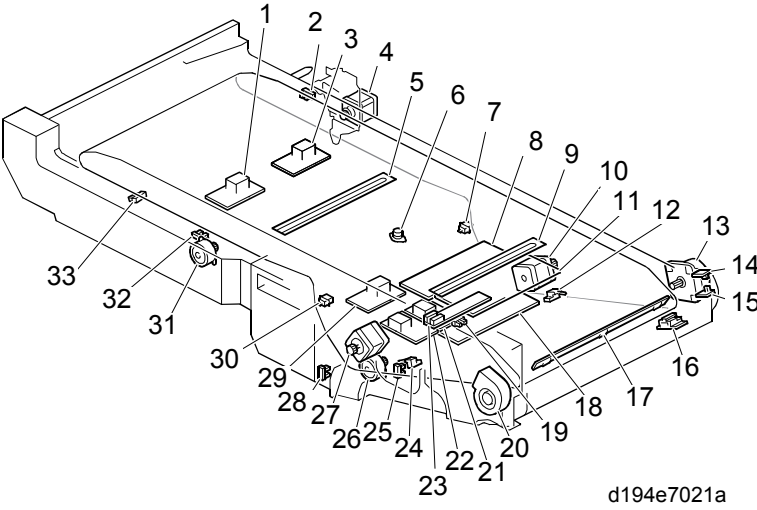


Fig. 17

d194e7021a

Index No.	Description	Symbol	P to P	Page
D194/D195/D203/D204 M195/M196/M207/M208			D194/D195/D203/D204 M195/M196/M207/M208	
fig 17-1	Image Transfer Power Pack (Y)	HVP6	E3	2/3
fig 17-2	Belt Centering Roller HP Sensor	SEN76	E2	2/3
- fig 17-3	Image Transfer Power Pack (S)	HVP5	- E3	2/3
- fig 17-4	ITB Contact Motor (S)	STM28	- H4	1/3
fig 17-5	Anti-condensation Heater (Left)	HT6	D2	2/3
fig 17-6	ITB Unit Thermostat	TS4	D2	2/3
fig 17-7	ITB Cleaning Unit Set Switch	SW8	E2	2/3
fig 17-8	Paper Transfer AC Power Pack	HVP11	E4	2/3
fig 17-9	Anti-condensation Heater (Right)	HT7	D2	2/3
fig 17-10	Belt Centering Motor	STM24	C1	2/3
fig 17-11	Paper Transfer DC Power Pack	HVP10	E4	2/3
fig 17-12	Rear Overrun Sensor	SEN77	E1	2/3
fig 17-13	ITB Drive Motor	BLM4	D1	2/3
fig 17-14	ITB Drive Motor Encoder 1	SEN95	D2	2/3
fig 17-15	ITB Drive Motor Encoder 2	SEN96	D2	2/3
fig 17-16	Belt Centering Sensor	SEN94	E1	2/3
fig 17-17	ID/MUSIC Sensor	SEN3	C4	2/3
fig 17-18	TDRB	PCB7	D1	2/3
fig 17-19	Image Transfer Contact Sensor (K) 1	SEN67	E1	2/3
fig 17-20	ID/MUSIC Sensor Fan	FAN22	E1	2/3
fig 17-21	Image Transfer Power Pack (K)	HVP9	E4	2/3
fig 17-22	Image Transfer Power Pack (C)	HVP8	E3	2/3
fig 17-23	Transfer Belt Speed Feedback Sensor	SEN84	E1	2/3
fig 17-24	Front Overrun Sensor	SEN75	E1	2/3
fig 17-25	Image Transfer Contact Sensor (K) 2	SEN83	F2	2/3
fig 17-26	ITB Contact Motor (K)	BM7	E1	2/3
fig 17-27	PTR Separation Motor	STM23	E2	2/3
fig 17-28	PTR Separation Sensor	SEN59	F2	2/3
fig 17-29	Image Transfer Power Pack (M)	HVP7	E3	2/3
fig 17-30	ITB Cleaning Unit Cover Set Switch	SW9	E2	2/3
fig 17-31	ITB Contact Motor (YMC)	STM22	E2	2/3
fig 17-32	Image Transfer Contact Sensor (YMC)	SEN15	E3	2/3
- fig 17-33	Image Transfer Contact Sensor (S)	SEN114	- E3	2/3

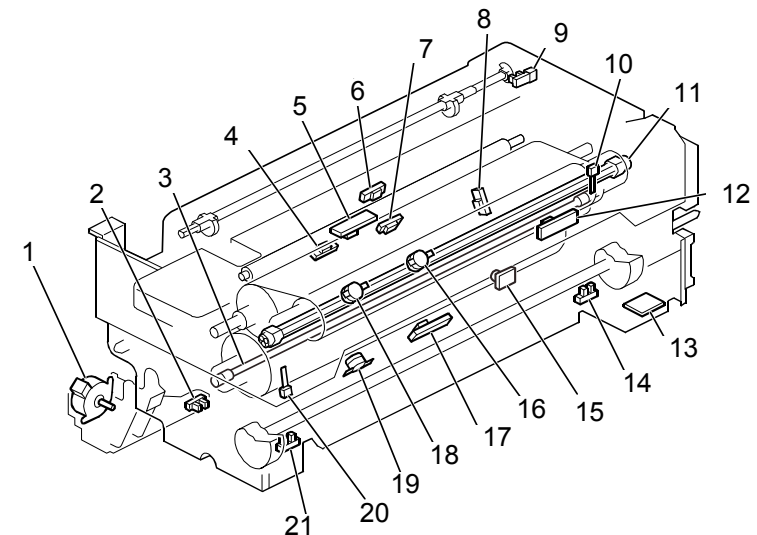


Fig. 18

d194e7010a

Index No.	Description	Symbol	P to P	Page
D194/D195/D203/D204 M195/M196/M207/M208			D194/D195/D203/D204 M195/M196/M207/M208	
fig 18-1	Web Motor	STM25	B2	2/3
fig 18-2	Web End Sensor	SEN55	B1	2/3
fig 18-3	Pressure Roller Fusing Lamp	HT4	F8	2/3
fig 18-4	Fuser Unit Exit Sensor	SEN52	E9	2/3
fig 18-5	Fusing Roller NC Sensor	SEN97	E7	2/3
fig 18-6	Accordion Jam Sensor	SEN53	F9	2/3
fig 18-7	Pressure Roller Paper Sensor	SEN54	F9	2/3
fig 18-8	Fuser Cleaning Unit Set Sensor	SEN124	F2	1/3
fig 18-9	Fuser Belt Smoothing Roller Contact Sensor	SEN115	E9	2/3
fig 18-10	Heating Roller Thermistor	SEN42	E7	2/3
fig 18-11	Heating Roller Fusing Lamp	HT3	F7	2/3
fig 18-12	Heating Roller NC Sensor	SEN56	E7	2/3
fig 18-13	Fuser Unit ID Board	PCB2	E10	2/3
fig 18-14	Pressure Roller Cam Position Sensor B	SEN51	E10	2/3
fig 18-15	Heating Roller Thermopile	SEN116	B3	2/3
fig 18-16	Heating Roller Thermostat (Center)	TS1	F8	2/3
fig 18-17	Pressure Roller NC Sensor	SEN57	E9	2/3
fig 18-18	Heating Roller Thermostat (Front)	TS2	F8	2/3
fig 18-19	Pressure Roller Thermostat	TS3	E9	2/3
fig 18-20	Pressure Roller Thermistor	SEN43	E9	2/3
fig 18-21	Pressure Roller Cam Position Sensor A	SEN61	E10	2/3

D194/D195/D203/D204/M195/M196/M207/M208 ELECTRICAL COMPONENT LAYOUT (4/5)

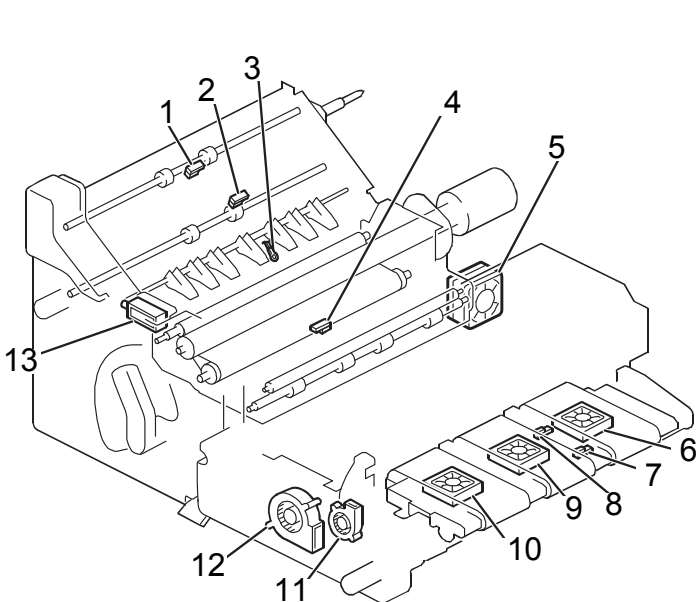


Fig. 19 d194d7022

Index No.	Description	Symbol	P to P	Page
D194/D195/D203/D204 M195/M196/M207/M208			D194/D195/D203/D204 M195/M196/M207/M208	
fig 19-1	Exit Sensor	SEN49	B3	2/3
fig 19-2	Exit JG Sensor	SEN48	B3	2/3
fig 19-3	Heat Pipe Temperature Sensor	SEN116	B3	2/3
fig 19-4	Exit Unit Entrance Sensor	SEN74	B1	2/3
fig 19-5	Main Unit Relay Fan	FAN39	B2	2/3
fig 19-6	PTB Fan (Rear)	FAN19	B2	2/3
fig 19-7	PTB Sensor 1	SEN131	B2	2/3
fig 19-8	PTB Sensor 2	SEN60	B2	2/3
fig 19-9	PTB Fan (Center)	FAN20	B2	2/3
fig 19-10	PTB Fan (Front)	FAN21	B2	2/3
fig 19-11	ITB Cooling Fan	FAN25	B3	2/3
fig 19-12	Pressure Roller Cooling Fan	FAN1	B2	2/3
fig 19-13	Exit JG Solenoid	SOL12	B1	2/3

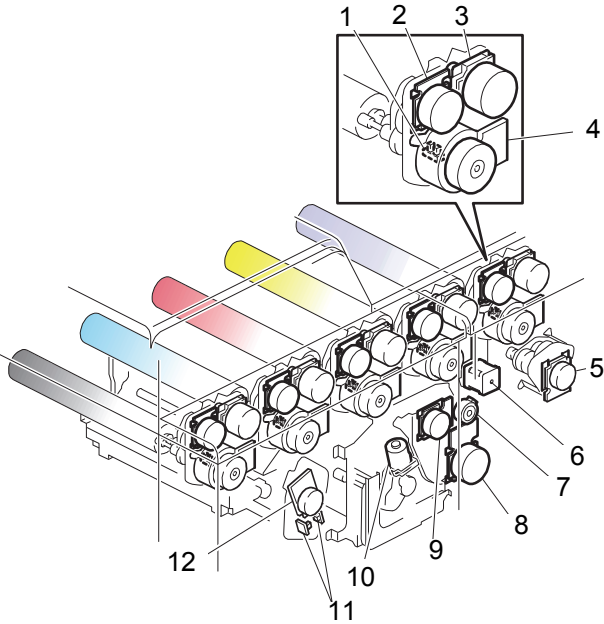


Fig. 22 d194e7013a

Index No.	Description	Symbol	P to P	Page
D194/D195/D203/D204 M195/M196/M207/M208			D194/D195/D203/D204 M195/M196/M207/M208	
fig 22-1	Drum Motor HP Sensor (S)	SEN130	- C6	1/3
	Drum Motor HP Sensor (Y)	SEN129	C6	1/3
	Drum Motor HP Sensor (M)	SEN128	C6	1/3
	Drum Motor HP Sensor (C)	SEN127	C6	1/3
	Drum Motor HP Sensor (K)	SEN126	C5	1/3
fig 22-2	Drum Cleaning Motor (S)	BLM25	- G5	1/3
	Drum Cleaning Motor (Y)	BLM11	G4	1/3
	Drum Cleaning Motor (M)	BLM10	G4	1/3
	Drum Cleaning Motor (C)	BLM9	G5	1/3
	Drum Cleaning Motor (K)	BLM3	G5	1/3
fig 22-3	Development Motor (S)	BLM24	- G5	1/3
	Development Motor (Y)	BLM17	G4	1/3
	Development Motor (M)	BLM16	G4	1/3
	Development Motor (C)	BLM15	G5	1/3
	Development Motor (K)	BLM2	G5	1/3
fig 22-4	Drum Motor (S)	BLM23	- G4	1/3
	Drum Motor (Y)	BLM14	G3	1/3
	Drum Motor (M)	BLM13	G3	1/3
	Drum Motor (C)	BLM12	G3	1/3
	Drum Motor (K)	BLM1	G3	1/3
fig 22-5	Exit Motor	BLM22	D4	1/3
fig 22-6	ITB Contact Motor (S)	STM28	- H4	1/3
fig 22-7	Fuser Belt Smoothing Roller Contact Motor	STM29	E3	1/3
fig 22-8	Fusing Motor	BLM8	E4	1/3
fig 22-9	Fuser Belt Smoothing Roller Motor	BLM27	E3	1/3
fig 22-10	Pressure Roller Lift Motor	BLM28	E3	1/3
fig 22-11	Transfer timing roller encoder Board 1	SEN16	F2	1/3
fig 22-12	Transfer timing roller encoder Board 2	SEN71	F2	1/3
	PTR/ITB Cleaning Unit Motor	BLM5	F2	1/3

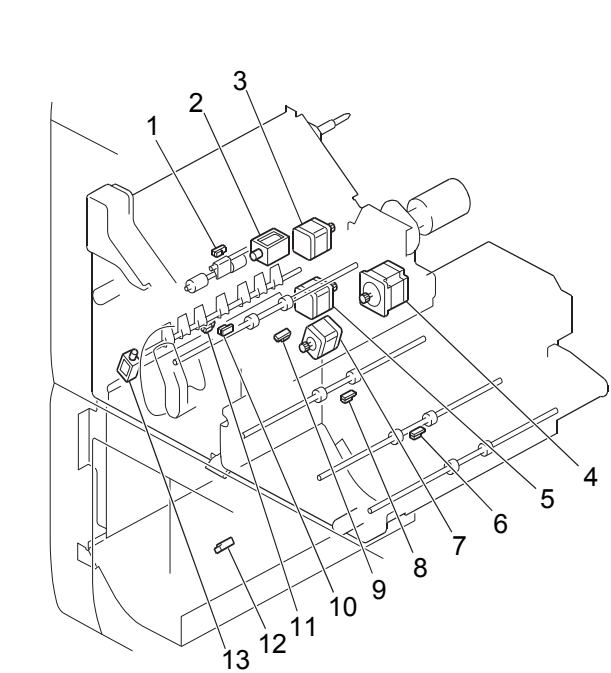


Fig. 20

Index No.	Description	Symbol	P to P	Page
D194/D195/D203/D204 M195/M196/M207/M208			D194/D195/D203/D204 M195/M196/M207/M208	
fig 20-1	Exit Relay Sensor	SEN50	B3	2/3
fig 20-2	Invert/Exit Solenoid	SOL7	B3	2/3
fig 20-3	Exit Relay Motor	STM20	B4	2/3
fig 20-4	Duplex Transport Motor 1	STM2	B4	2/3
fig 20-5	Invert Exit Motor	STM21	B4	2/3
fig 20-6	Duplex Transport Sensor 3	SEN8	B1	2/3
fig 20-7	Duplex Inverter Motor	STM1	F4	1/3
fig 20-8	Duplex Transport Sensor 2	SEN7	B1	2/3
fig 20-9	Duplex Transport Sensor 1	SEN6	B1	2/3
fig 20-10	Duplex Inverter Sensor	SEN1	B3	2/3
fig 20-11	Purge Relay Sensor	SEN11	B3	2/3
fig 20-12	Purged Paper Sensor	SEN12	H11	1/3
fig 20-13	Invert JG SOL	SOL8	B3	2/3

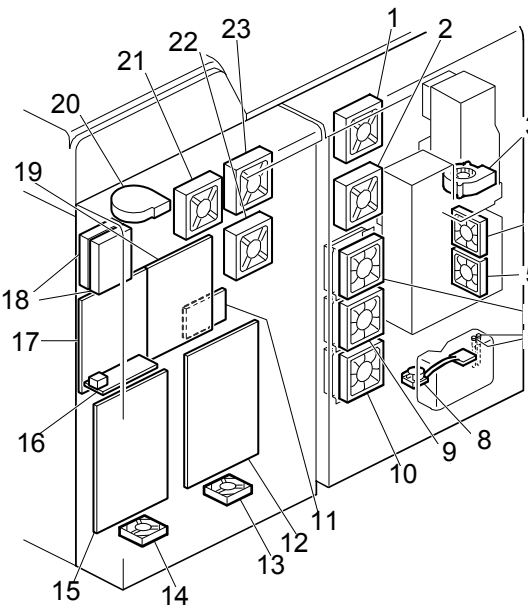


Fig. 23 d194e7014a

Index No.	Description	Symbol	P to P	Page
D194/D195/D203/D204 M195/M196/M207/M208			D194/D195/D203/D204 M195/M196/M207/M208	
fig 23-1	Air Box Exhaust Fan (Top)	FAN27	C1	1/3
fig 23-2	Air Box Exhaust Fan (Bottom)	FAN28	C1	1/3
fig 23-3	Rear Box Ozone Exhaust Fan	FAN11	C2	1/3
fig 23-4	Rear Box Heat Sink Collecting Fan	FAN26	D2	1/3
fig 23-5	Rear Box Exhaust Fan	FAN12	D2	1/3
fig 23-6	Development Unit Cooling Fan 3	FAN5	C1	1/3
fig 23-7	Coolant Remaining Switch	SEN112	C2	1/3
fig 23-8	Liquid Cooling Unit	OT1	C2	1/3
fig 23-9	Development Unit Cooling Fan 2	FAN4	C1	1/3
fig 23-10	Development Unit Cooling Fan 1	FAN3	C1	1/3
fig 23-11	Sub IPU	PCB62	C10	1/3
fig 23-12	PSU 1	PSU1	G6	1/3
fig 23-13	Controller Box Intake Fan 2	FAN7	E7	1/3
fig 23-14	Controller Box Intake Fan 1	FAN6	E6	1/3
fig 23-15	PSU 2	PSU2	H6	1/3
fig 23-16	Gigabit Ethernet Board	PCB43	E11	1/3
fig 23-17	Controller Board	PCB38	D11	1/3
	CPU Fan	FAN40	D11	1/3
	RAM-DIMM 1GB	PCB40	D11	1/3
	RAM-DIMM 2GB	PCB41	D11	1/3
	NVRAM 1.2	OT14/15	D11	1/3
fig 23-18	HDD 1, 2	OT7/8	E11	1/3
fig 23-19	IPU	PCB39	C9	1/3
fig 23-20	Controller Box Ozone Collecting Fan	FAN10	E6	1/3
fig 23-21	Controller Box Exhaust Fan (Top Right)	FAN29	E6	1/3
fig 23-22	Controller Box Exhaust Fan (Bottom)	FAN31	E6	1/3
fig 23-23	Controller Box Exhaust Fan (Top Left)	FAN30	E6	1/3

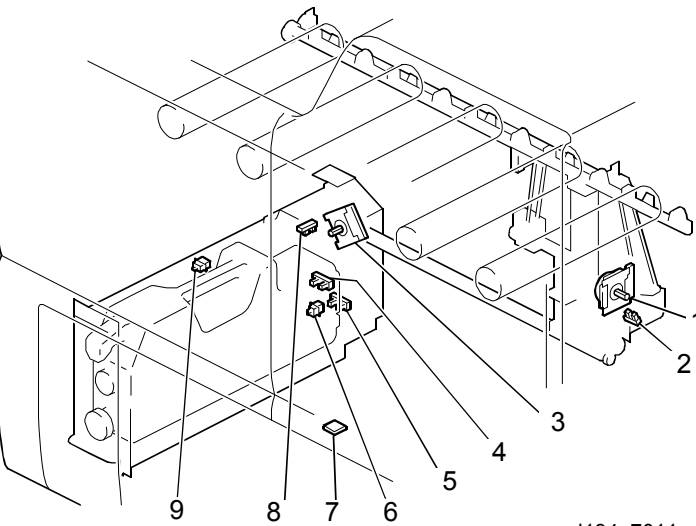


Fig. 21

Index No.	Description	Symbol	P to P	Page
D194/D195/D203/D204 M195/M196/M207/M208			D194/D195/D203/D204 M195/M196/M207/M208	
fig 21-1	Main Unit Used Toner Transport Motor	BLM7	D5	1/3
fig 21-2	Used Toner Transport Motor Sensor	SEN99	D4	1/3
fig 21-3	Used Toner Bottle Motor	BLM6	G10	1/3
fig 21-4	Used Toner Bottle Full Sensor	SEN82	G10	1/3
fig 21-5	Used Toner Bottle Near Full Sensor	SEN66	G10	1/3
fig 21-6	Used Toner Bottle Set Switch	SEN65	G10	1/3
fig 21-7	ITB Temperature/Humidity Sensor	SEN13	G8	1/3
fig 21-8	Used Toner Bottle Motor Sensor	SEN100	G11	1/3
fig 21-9	Used Toner Bottle Door Sensor	SW11	G10	1/3

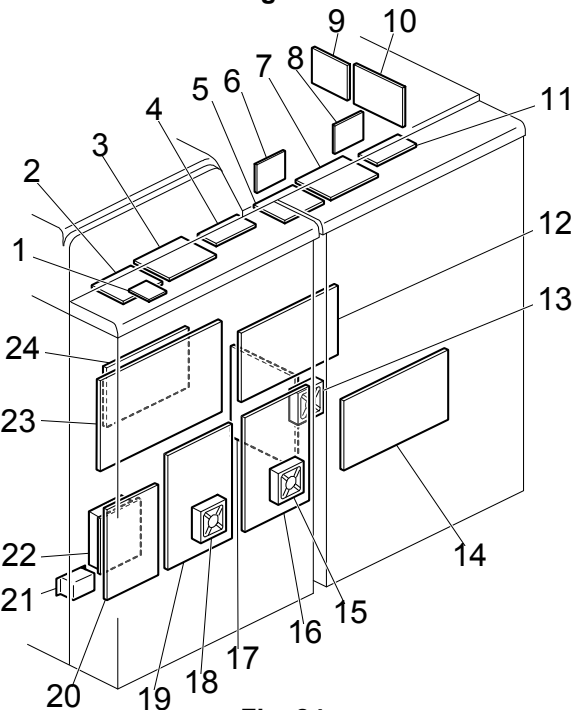


Fig. 24 d1947015

Index No.	Description	Symbol	P to P	Page
D194/D203/M207/M195 D195/D204/M208/M196			D194/D203/M207/M195 D195/D204/M208/M196	
fig 24-1	DF Relay Board	PCB52	D10	1/3
fig 24-2	Charge Bias Power Pack (CK)	HVP13	B7	1/3
fig 24-3	Development Bias Power Pack (CK)	HVP3	B6	1/3
fig 24-4	Potential Sensor Board (YMCK)	PCB8	B4	1/3
fig 24-5	Charge Bias Power Pack (YM)	HVP12	B6	1/3
fig 24-6	Scanner Relay Board	PCB55	D10	1/3
fig 24-7	Development Bias Power Pack (YM)	HVP2	B6	1/3
fig 24-8	Potential Sensor Board (S)	-	-	1/3
fig 24-9	Charge Bias Power Pack (S)	HVP14	B5	1/3
fig 24-10	Development Bias Power Pack (S)	HVP4	B5	1/3
fig 24-11	EXDB	PCB9	G4	1/3
fig 24-12	TDCU	PCB5	F4	1/3
fig 24-13	PSU Cooling Fan 3	FAN35	F1	1/3
fig 24-14	AC Drive Board	PCB20	G2	1/3
fig 24-15	PSU Cooling Fan 2	FAN34	F1	1/3
fig 24-16	PSU 3	PSU3	H4	1/3
fig 24-17	PSU 5	PSU5	H6	1/3
fig 24-18	PSU Cooling Fan 1	FAN33	F1	1/3
fig 24-19	PSU 4	PSU4	H5	1/3
fig 24-20	PFB	PCB3	F8	1/3
fig 24-21	Noise Filter	OT2	H2	1/3
fig 24-22	NRYF	PCB51	H2	1/3
fig 24-23	IOB	PCB4	E2	1/3
fig 24-24	BCU	PCB1	D7	1/3

D194/D195/D203/D204/M195/M196/M207/M208 ELECTRICAL COMPONENT LAYOUT (5/5)

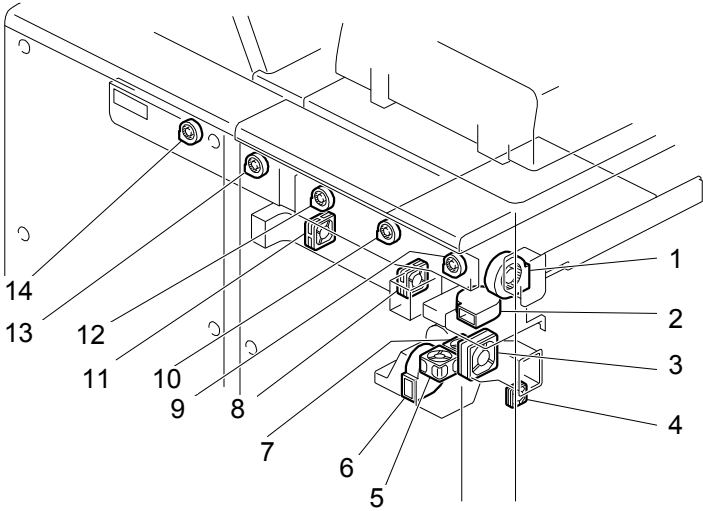


Fig. 25 d194e7016a

Index No.	Description	Symbol	P to P		Page
D194/D195/D203/D204 M195/M196/M207/M208			D194/D195/M195/M196	D203/D204/M207/M208	
fig 25-1	Paper Exit Guide Cooling Fan	FAN38	D4		1/3
fig 25-2	Fusing Exit Exhaust Fan	FAN15	D3		1/3
fig 25-3	Paper Cooling Intake Fan	FAN23	D3		1/3
fig 25-4	Feed Motor Cooling Fan	FAN36	D3		1/3
fig 25-5	Paper Cooling Exhaust Fan 2	FAN37	D4		1/3
fig 25-6	Transport/Fusing Exhaust Fan	FAN16	D3		1/3
fig 25-7	Paper Cooling Exhaust Fan 1	FAN24	D3		1/3
fig 25-8	Heat Sink Cooling Exhaust Fan	FAN2	D3		1/3
- fig 25-9	Ozone Exhaust Fan (S)	FAN32	-	E5	1/3
fig 25-10	Ozone Exhaust Fan (Y)	FAN13	E5		1/3
fig 25-11	Heat Sink Cooling Suction Fan	FAN9	D3		1/3
fig 25-12	Ozone Exhaust Fan (M)	FAN17	E5		1/3
fig 25-13	Ozone Exhaust Fan (C)	FAN14	E5		1/3
fig 25-14	Ozone Exhaust Fan (K)	FAN18	E5		1/3

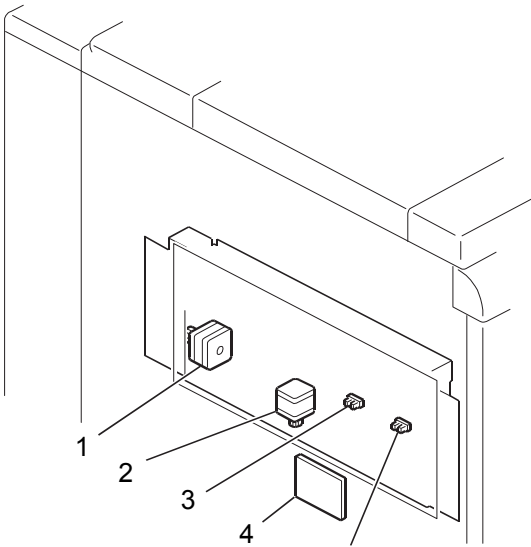


Fig. 26

Index No.	Description	Symbol	P to P		Page
D194/D195/D203/D204 M195/M196/M207/M208			D194/D195/M195/M196	D203/D204/M207/M208	
fig 26-1	Decurler Feed Motor	STM26	D11		2/3
fig 26-2	Decurl Unit Motor	STM27	E11		2/3
fig 26-3	Decurler Unit HP Sensor	SEN102	D10		2/3
fig 26-4	DDR8	PCB11	C10		2/3
fig 26-5	Decurler Unit Limit Sensor	SEN103	D10		2/3

Others					
Index No.	Description	Symbol	P to P		Page
D194/D195/D203/D204			D194/D195/M195/M196	D203/D204/M207/M208	
-	Liquid Remaining Detect Sensor	SEN104	C1		1/3
-	Paper Exit Fan	FAN39	D4		1/3
-	Main Unit Temperature/Humidity Senor	SEN41	D4		1/3
-	Drawer Open/Close Switch	SW19	C4		1/3
-	Power Cord 1(NA/ EU)	OT5/6/12/13	G1		1/3
-	Fusing Roller Thermistor	SEN101	E7		2/3