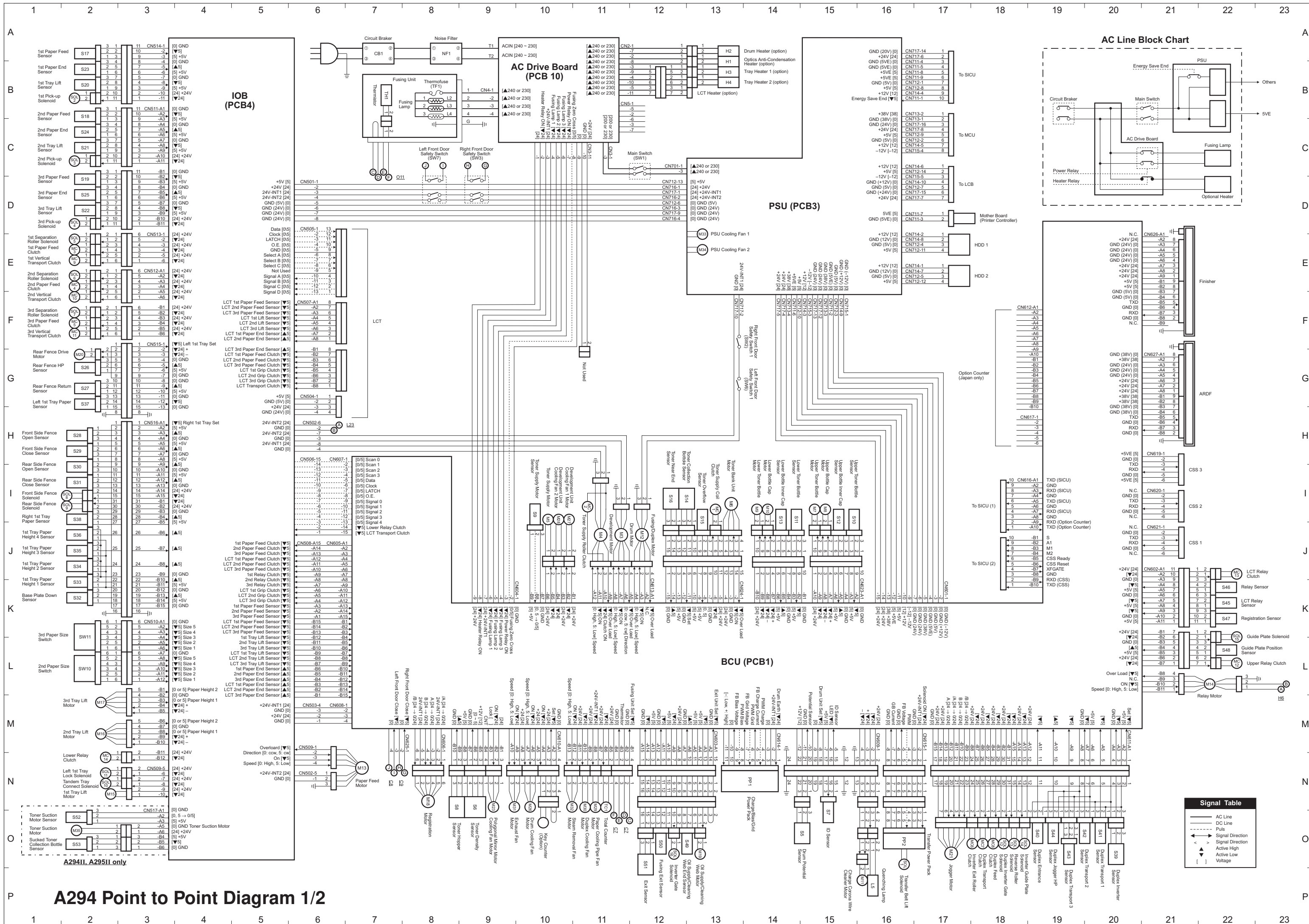
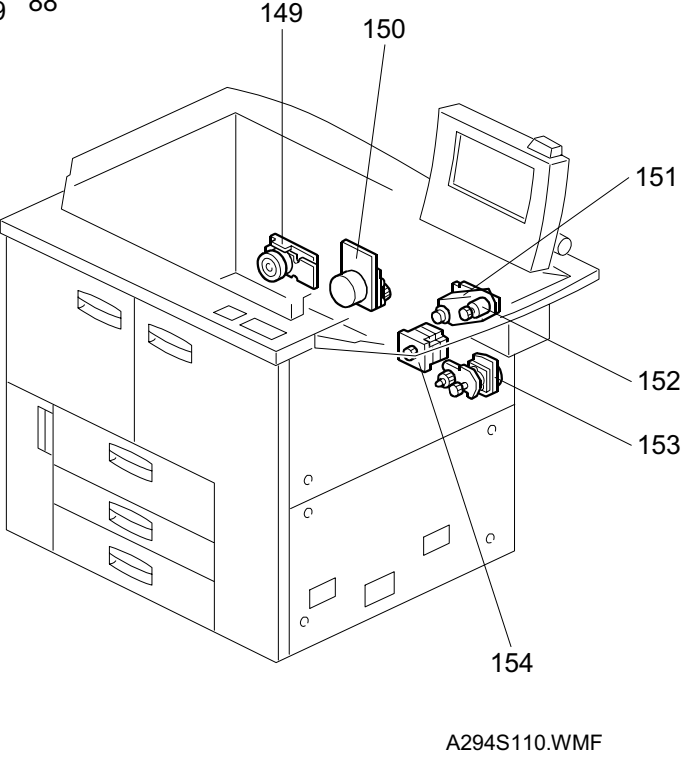
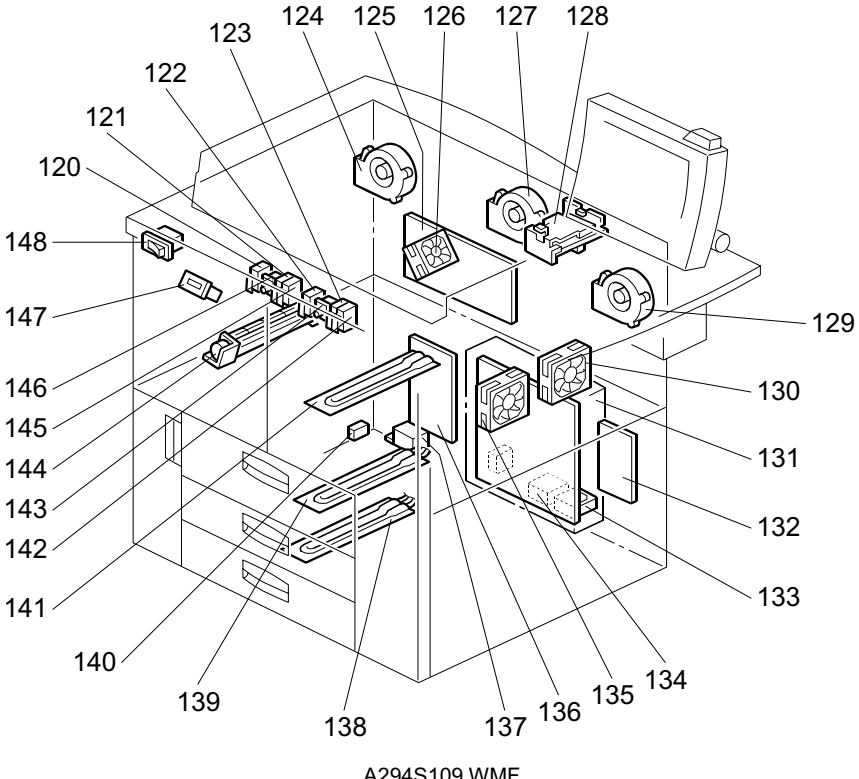
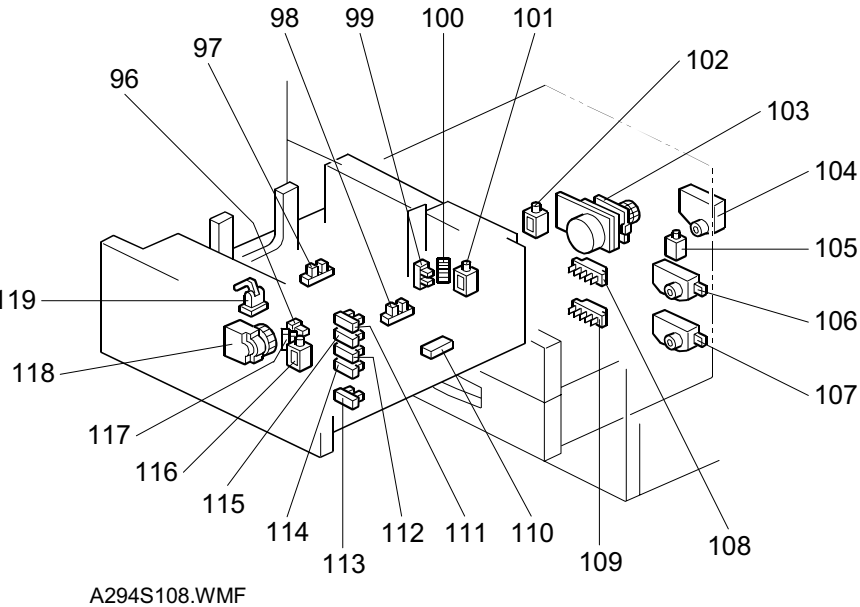
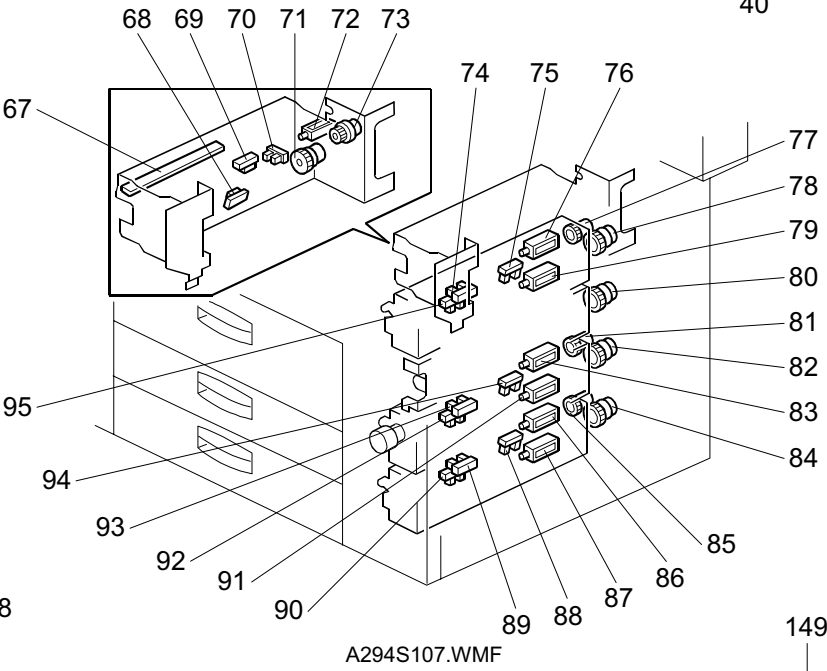
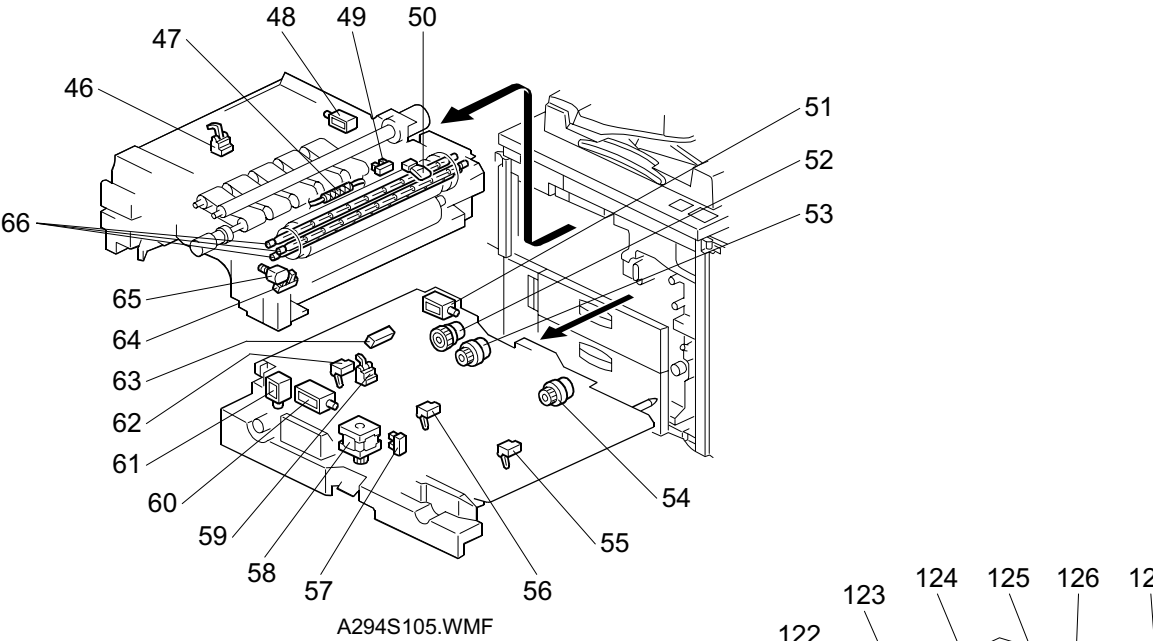
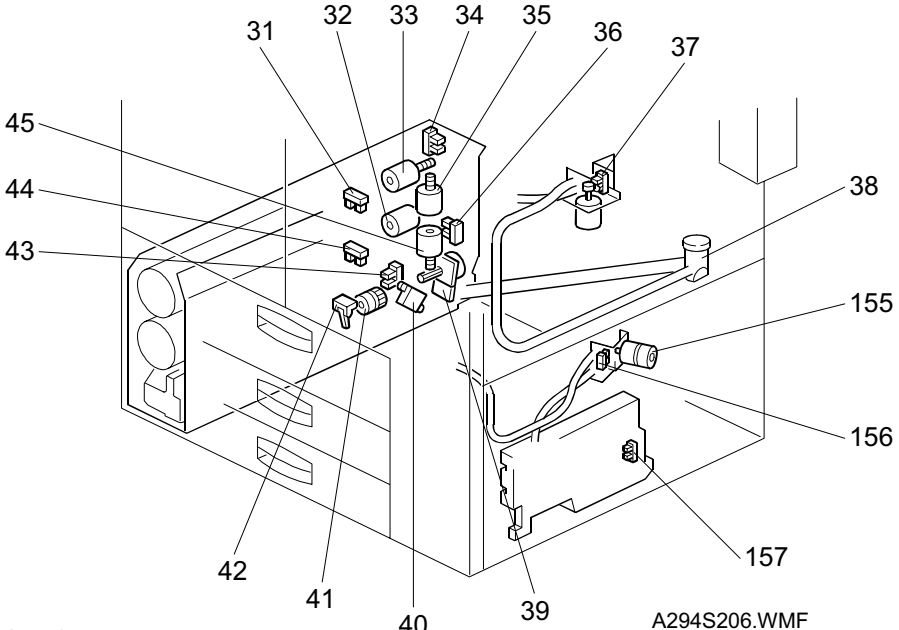
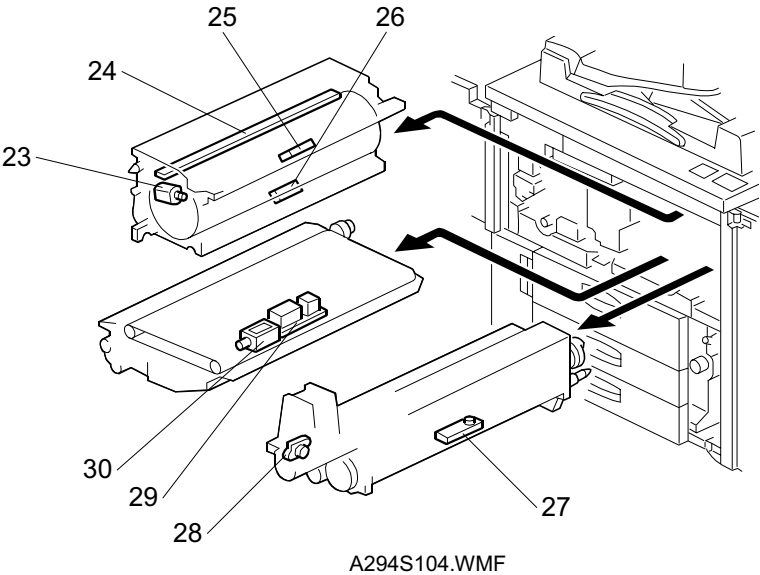
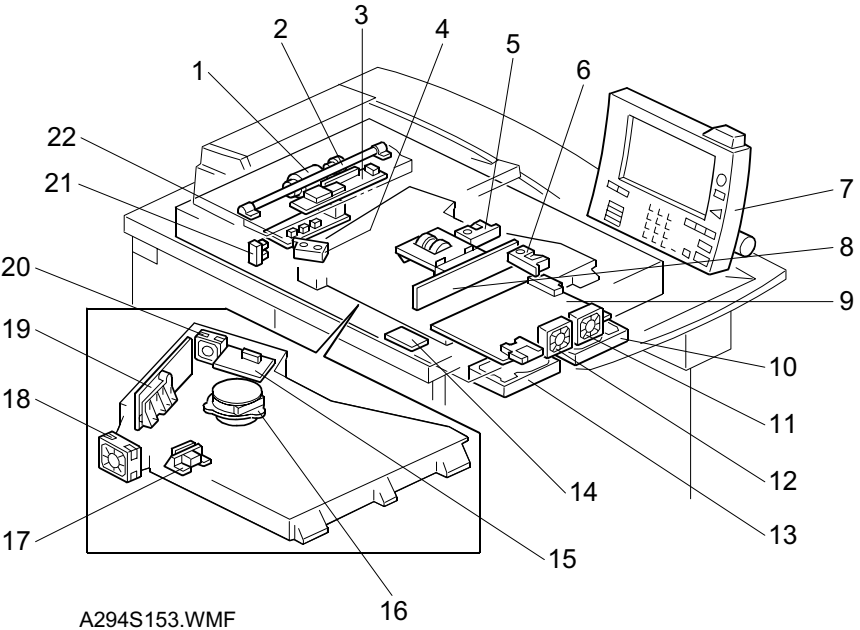




COPIER (A294) ELECTRICAL COMPONENT LAYOUT (1/2)



COPIER (A294) ELECTRICAL COMPONENT LAYOUT (2/2)

Symbol	Index No.	Description	P to P
Motors			
M1	1	Scanner	1-J21
M2	16	Polygonal Mirror	2-K22
M3	150	Drum	1-J11
M4	151	Development	1-J11
M5	38	Toner Supply	1-I10
M6	39	Toner Bank	1-I13
M7	35	Upper Toner Bottle	1-I15
M8	33	Upper Bottle Cap	1-I15
M9	45	Lower Toner Bottle	1-I14
M10	32	Lower Bottle Cap	1-P16
M11	23	Charge Corona Wire Cleaner	1-J12
M12	149	Fusing/Duplex	1-N7
M13	103	Paper Feed	1-L22
M14	153	Relay	1-N2
M15	104	1st Tray Lift	1-M2
M16	106	2nd Tray Lift	1-M2
M17	107	3rd Tray Lift	1-M2
M18	154	Registration	1-N8
M19	65	Oil Supply/Cleaning Web	1-O13
M20	118	Rear Fence Drive	1-G2
M21	58	Jogger	1-O17
M22	12	Optics Cooling Fan	2-N12
M23	18	Polygonal Mirror Motor Cooling Fan	1-N9
M24	20	LDB Cooling Fan	2-O16
M25	11	SICU Cooling Fan	2-N12
M26	129	Drum Cooling Fan	1-N10
M27	135	Development Unit Cooling Fan 1	1-I10
M28	130	Development Unit Cooling Fan 2	1-I10
M29	126	Paper Cooling Pipe Fan	1-N11
M30	144	Duplex Cooling Fan	1-N11
M31	127	Exhaust Fan	1-N9
M32	124	Steam Removal Fan	1-N10
M33	133	PSU Cooling Fan 1	1-E13
M34	134	PSU Cooling Fan 2	1-E13
M35	155	Toner Suction Motor	1-O2
Sensors			
S1	21	Scanner HP	2-H21
S2	4	Original Width	2-H21
S3	5	Original Length 1	2-I21
S4	6	Original Length 2	2-I21
S5	25	Drum Potential	1-O15
S6	27	Toner Density (TD)	1-N9
S7	26	Image Density (ID)	1-O15
S8	28	Toner Hopper	1-N8
S9	37	Toner Supply Motor	1-I10
S10	31	Upper Toner Bottle	1-I15
S11	44	Lower Toner Bottle	1-I14
S12	34	Upper Bottle Inner Cap	1-I15
S13	36	Lower Bottle Inner Cap	1-I14
S14	42	Toner Collection Bottle	1-I13
S15	43	Toner Overflow	1-I13
S16	40	Toner Near End	1-I12
S17	95	1st Paper Feed	1-A2
S18	92	2nd Paper Feed	1-B2
S19	90	3rd Paper Feed	1-D2
S20	75	1st Tray Lift	1-B2
S21	94	2nd Tray Lift	1-C2
S22	88	3rd Tray Lift	1-D2

Symbol	Index No.	Description	P to P
S23	74	1st Paper End	1-B2
S24	93	2nd Paper End	1-C2
S25	89	3rd Paper End	1-D2
S26	97	Rear Fence HP	1-G2
S27	98	Rear Fence Return	1-G2
S28	117	Front Side Fence Open	1-H2
S29	96	Front Side Fence Closed	1-H2
S30	100	Rear Side Fence Open	1-I2
S31	99	Rear Side Fence Closed	1-I2
S32	113	Base Plate Down	1-K2
S33	111	1st Tray Paper Height 1	1-K2
S34	115	1st Tray Paper Height 2	1-J2
S35	112	1st Tray Paper Height 3	1-J2
S36	114	1st Tray Paper Height 4	1-J2
S37	119	Left 1st Tray Paper	1-G2
S38	110	Right 1st Tray Paper	1-I2
S39	59	Duplex Inverter	1-O20
S40	63	Duplex Entrance	1-O19
S41	62	Duplex Transport 1	1-O20
S42	56	Duplex Transport 2	1-O20
S43	55	Duplex Transport 3	1-O19
S44	57	Duplex Jogger HP	1-O19
S45	69	LCT Relay	1-K22
S46	68	Relay	1-K22
S47	67	Registration	1-K22
S48	70	Guide Plate Position	1-L22
S49	64	Oil Supply/Cleaning Web End	1-O13
S50	49	Fusing Exit	1-O12
S51	46	Exit	1-O12
S52	156	Toner Suction Motor	1-O2
S53	157	Sucked Toner Collection Bottle	1-O2
Switches			
SW1	148	Main Power	1-C12
SW2	122	Right Front Door Safety 1	1-F13
SW3	143	Right Front Door Safety 2	1-D9
SW4	123	Right Front Door Safety 3	2-O16
SW5	142	Right Front Door Safety 4	2-P16
SW6	120	Left Front Door Safety 1	1-G13
SW7	146	Left Front Door Safety 2	1-D8
SW8	121	Left Front Door Safety 3	2-P15
SW9	145	Left Front Door Safety 4	2-O15
SW10	108	2nd Tray Paper Size	1-L2
SW11	109	3rd Tray Paper Size	1-K2
Solenoids			
SOL1	30	Transfer Belt Lift	1-O16
SOL2	76	1st Pick-up	1-B2
SOL3	83	2nd Pick-up	1-C2
SOL4	86	3rd Pick-up	1-D2
SOL5	79	1st Separation Roller	1-E2
SOL6	91	2nd Separation Roller	1-E2
SOL7	87	3rd Separation Roller	1-F2
SOL8	116	Front Side Fence	1-I2
SOL9	101	Rear Side Fence	1-I2
SOL10	105	Tandem Tray Connect	1-N2
SOL11	102	Left 1st Tray Lock	1-N2
SOL12	61	Duplex Inverter Gate	1-O18
SOL13	60	Reverse Roller	1-O18
SOL14	51	Inverter Guide Plate	1-O18

Symbol	Index No.	Description	P to P
SOL15	72	Guide Plate	1-K22
SOL16	48	Inverter Gate	1-O12
Magnetic Clutches			
MC1	41	Toner Supply Coil	1-I13
MC2	152	Toner Supply Roller	1-I11
MC3	77	1st Paper Feed	1-E2
MC4	81	2nd Paper Feed	1-E2
MC5	85	3rd Paper Feed	1-F2
MC6	52	Inverter Exit Roller	1-O18
MC7	53	Duplex Transport	1-O18
MC8	54	Duplex Feed	1-O18
MC9	78	1st Vertical Transport	1-E2
MC10	82	2nd Vertical Transport	1-F2
MC11	84	3rd Vertical Transport	1-F2
MC12	71	Upper Relay	1-L22
MC13	73	LCT Relay	1-J22
MC14	80	Lower Relay	1-N2
PCBs			
PCB1	125	BCU	1-L13
PCB2	9	SICU	2-F10
PCB3	131	PSU	1-D14
PCB4	132	IOB	1-B5
PCB5	8	SBU	2-E20
PCB6	22	MCU	2-G20
PCB7	3	Lamp Regulator	2-G21
PCB8	15	Polygonal Mirror Motor Control	2-K20
PCB9	19	LDB	2-N17
PCB10	136	AC Drive	1-B10
PCB11	7	Operation Panel	2-N9
PCB12	14	Operation Key	2-O11
Lamps			
L1	2	Exposure Lamp	2-G22
L2	66	Fusing Lamp 1	1-B8
L3	66	Fusing Lamp 2	1-B8
L4	66	Fusing Lamp 3	1-B8
L5	24	Quenching	1-P16
Power Packs			
PP1	128	Charge/bias/grid	1-N14
PP2	30	Transfer	1-O16
Others			
CB1	140	Circuit Breaker	1-A7
H1		Optics Anti-Condensation (option)	1-A13
H2	141	Drum (option)	1-A13
H3	139	Tray Heater 1 (option)	1-A12
H4	138	Tray Heater 2 (option)	1-A12
HDD1	13	HDD	2-F3
HDD2	10	HDD	2-J3
NF1	137	Noise Filter	1-A8
SD1	17	Laser Synchronization Detector	2-O15
TC1	147	Total Counter	1-N11
TF1	47	Fusing Thermofuse	1-B8
TH1	50	Fusing Thermistor	1-B7