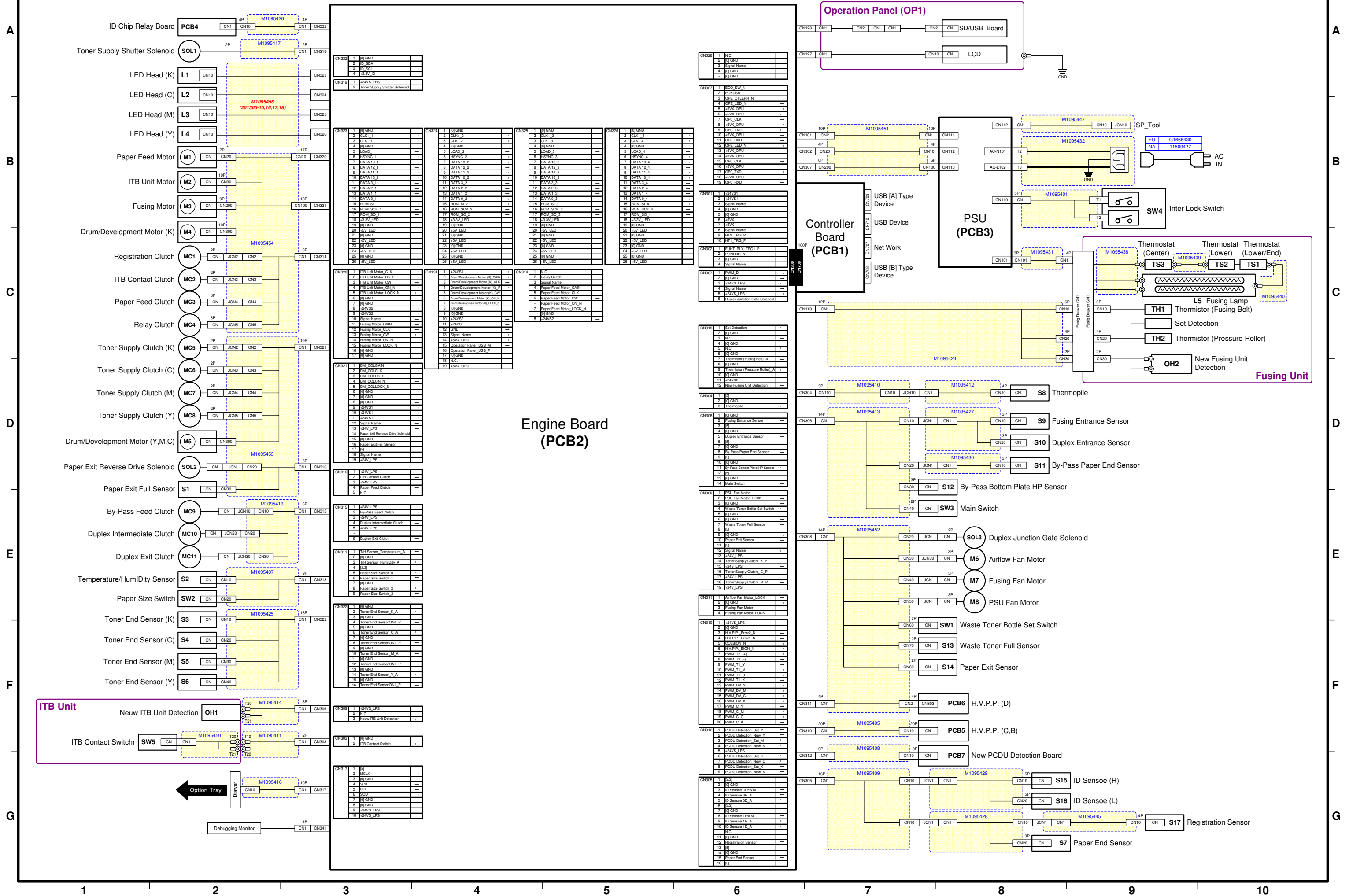
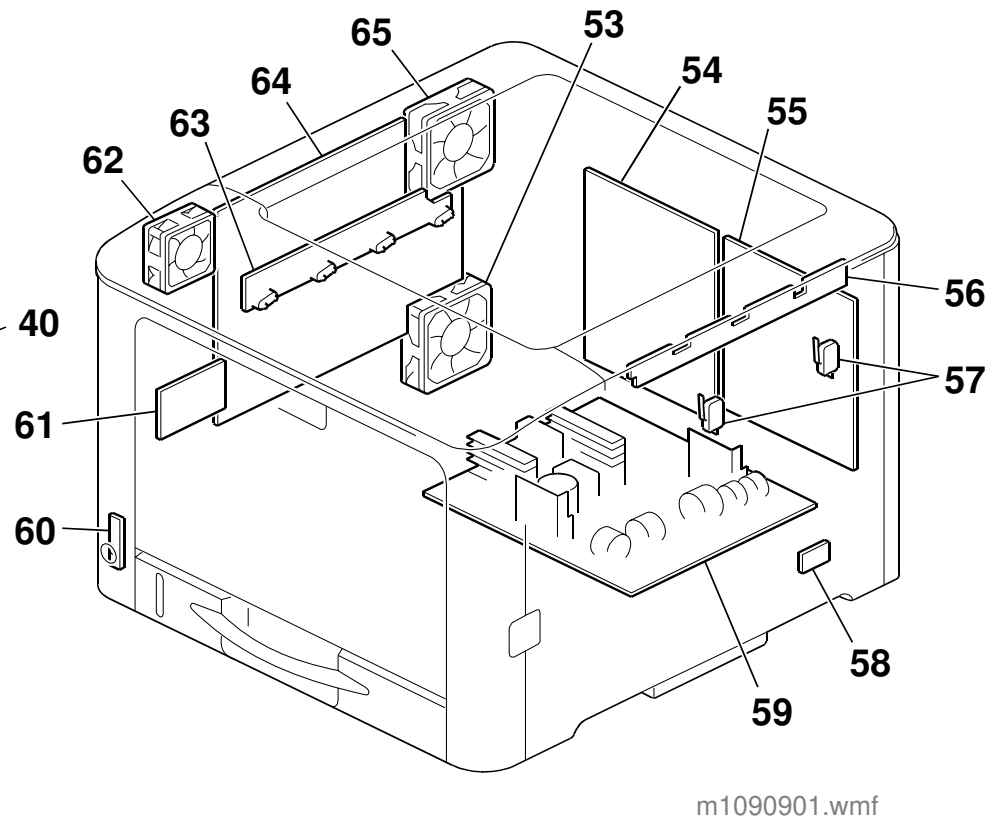
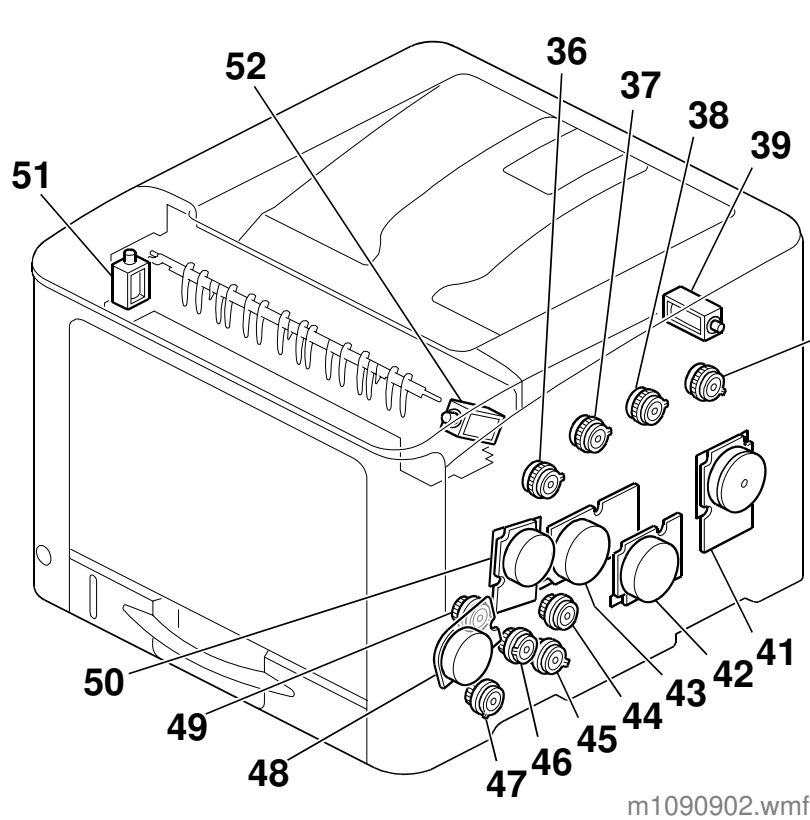
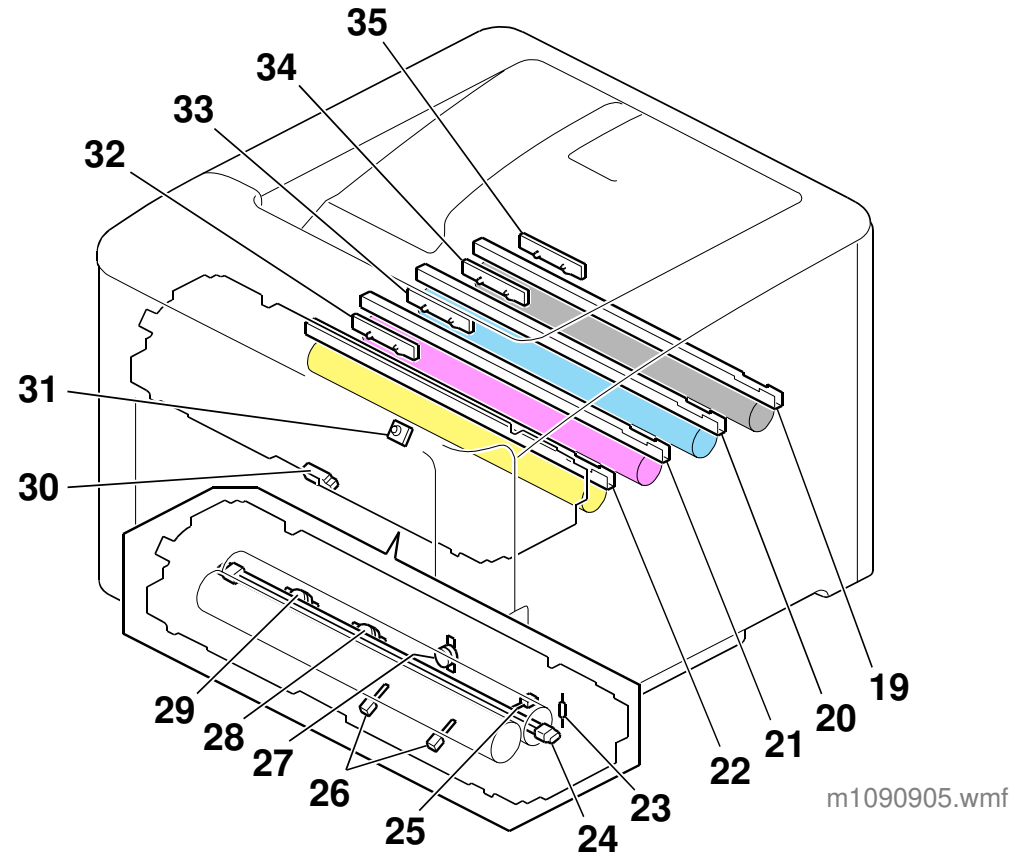
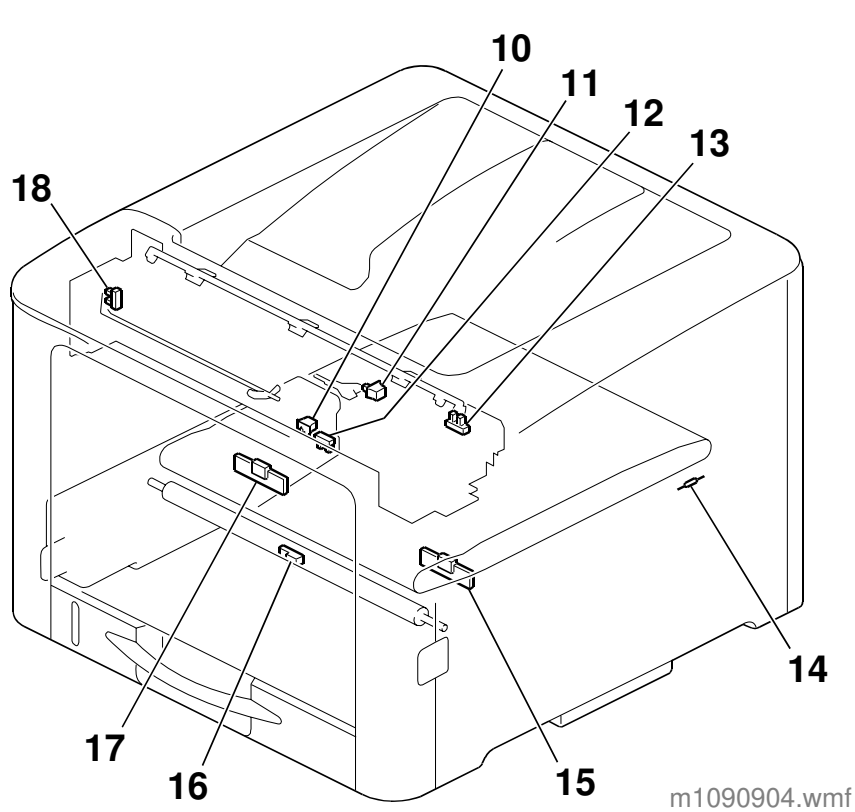
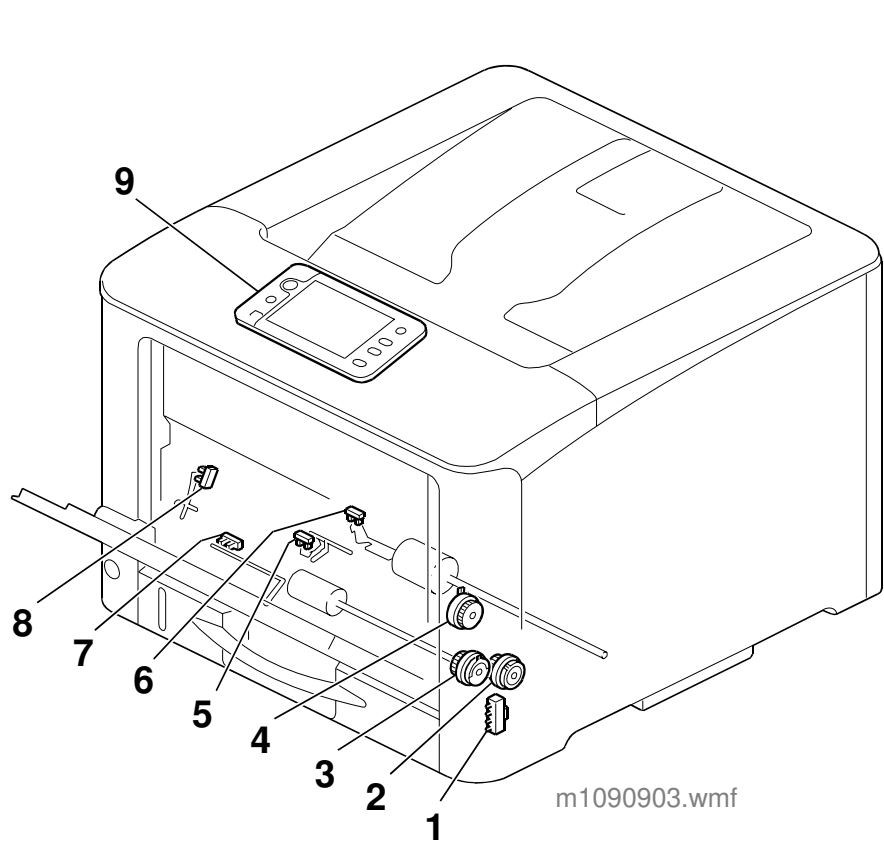


M109 POINT TO POINT DIAGRAM



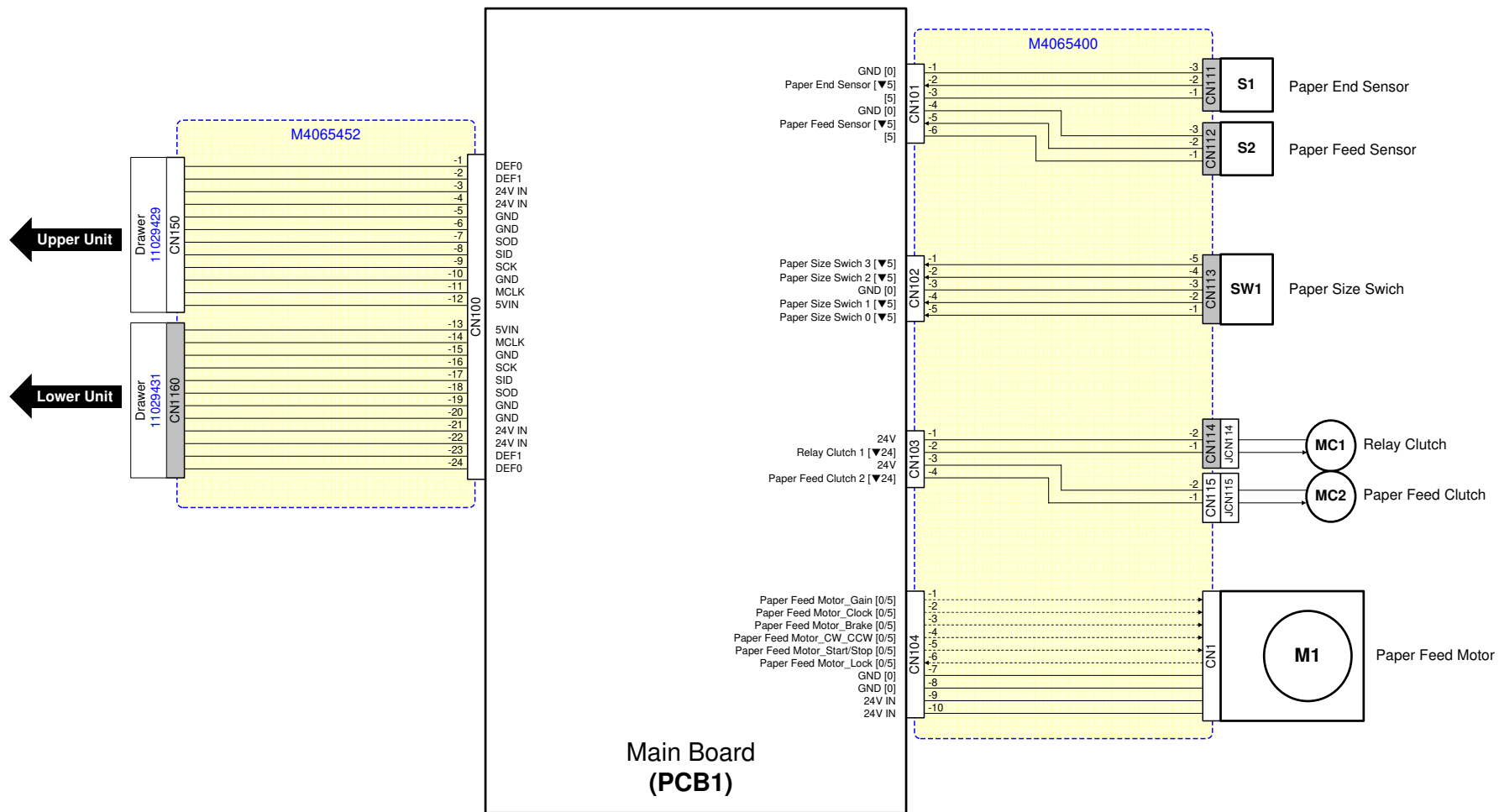
M109 ELECTRICAL COMPONENT LAYOUT



Symbol	Index No.	Description	P to P
Sensors			
S1	13	Paper Exit Full Sensor	E2
S2	58	Temperature/Humidity Sensor	E2
S3	35	Toner End Sensor (K)	F2
S4	34	Toner End Sensor (C)	F2
S5	33	Toner End Sensor (M)	F2
S6	32	Toner End Sensor (Y)	F2
S7	6	Paper End Sensor	G8
S8	31	Thermopile	D8
S9	30	Fusing Entrance Sensor	D8
S10	5	Duplex Exit Sensor	D8
S11	7	By-Pass Paper End Sensor	D8
S12	8	By-Pass Bottom Plate HP Sensor	D8,E8
S13	12	Waste Toner Full Sensor	F8
S14	18	Paper Exit Sensor	F8
S15	15	ID Sensoe (R)	G8
S16	17	ID Sensoe (L)	G8
S17	16	Registration Sensor	G9
Motors			
M1	48	Paper Feed Motor	B2
M2	50	ITB Unit Motor	B2
M3	42	Fusing Motor	B2
M4	41	Drum/Development Motor (K)	C2
M5	43	Drum/Development Motor (Y,M,C)	D2
M6	65	Airflow Fan Motor	E8
M7	62	Fusing Fan Motor	E8
M8	53	PSU Fan Motor	E8
Magnetic Clutches			
MC1	47	Registration Clutch	C2
MC2	49	ITB Contact Clutch	C2
MC3	45	Paper Feed Clutch	C2
MC4	46	Relay Clutch	C2
MC5	40	Toner Supply Clutch (K)	C2
MC6	38	Toner Supply Clutch (C)	D2
MC7	37	Toner Supply Clutch (M)	D2
MC8	36	Toner Supply Clutch (Y)	D2
MC9	3	By-Pass Feed Clutch	E2
MC10	4	Duplex Intermediate Clutch	E2
MC11	2	Duplex Exit Clutch	E2

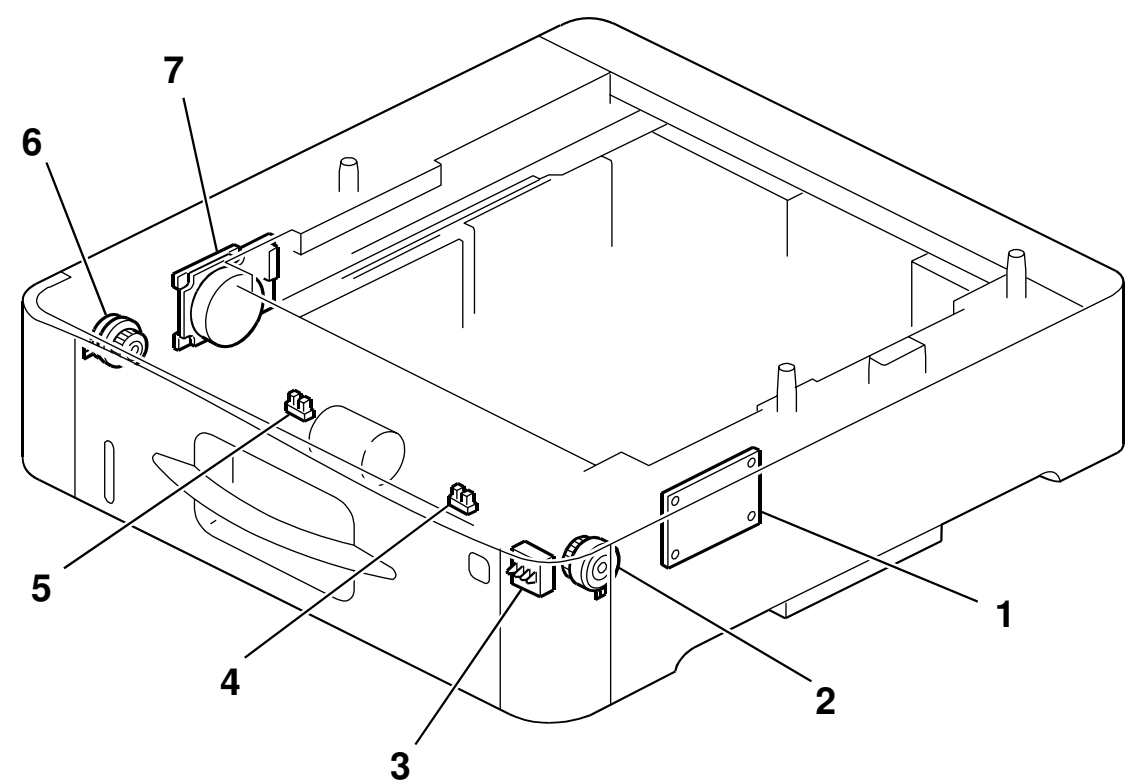
Symbol	Index No.	Description	P to P
PCBs			
PCB1	54	Controller Board	C7
PCB2	55	Engine Board	D5
PCB3	59	PSU	B8
PCB4	56	ID Chip Relay Board	A2
PCB5	64	H.V.P.P. (C,B)	F8
PCB6	61	H.V.P.P. (D)	F8
PCB7	63	New PCDU Detection Board	G8
Solenoids			
SOL1	39	Toner Supply Shutter Solenoid	A2
SOL2	52	Paper Exit Reverse Drive Solenoid	D2
SOL3	51	Duplex Junction Gate Solenoid	E8
Switches			
SW1	10	Waste Toner Bottle Set Switch	F8
SW2	1	Paper Size Switch	E2
SW3	60	Main Switch	E8
SW4	57	Inter Lock Switch	B9
SW5	11	ITB Contact Switch	F2
Thermistors			
TH1	25	Thermistor (Fusing Belt)	C9
TH2	26	Thermistor (Pressure Roller)	C9
Thermostats			
TS1	29	Thermostat (Lower/End)	C10
TS2	28	Thermostat (Lower)	C10
TS3	27	Thermostat (Center)	C9
Lamps			
L1	19	LED Head (K)	A2
L2	20	LED Head (C)	A2,B2
L3	21	LED Head (M)	B2
L4	22	LED Head (Y)	B2
L5	24	Fusing Lamp	C9,C10
Others			
OP1	9	Operation Panel	A7
OH1	14	New ITB Unit Detection	F2
OH2	23	New Fusing Unit Detection	D9

Paper Feed Unit (M406) POINT TO POINT DIAGRAM



SYMBOL TABLE	
— AC LINE	▲ High Active
— DC LINE	▼ Low Active
..... Pulse	[] Voltage
→ Signal Direction	

Paper Feed Unit (M406) ELECTRICAL COMPONENT LAYOUT



m4060901.wmf

Symbol	Index No.	Description	P to P
Motor			
M1	7	Paper Feed Motor	E9
PCB			
PCB1	1	Main Board	F5
Sensors			
S1	5	Paper End Sensor	B9
S2	4	Paper Feed Sensor	B9
Magnetic Clutches			
MC1	6	Relay Clutch	D9
MC2	2	Paper Feed Clutch	D9
Switch			
SW1	3	Paper Size Swich	C9