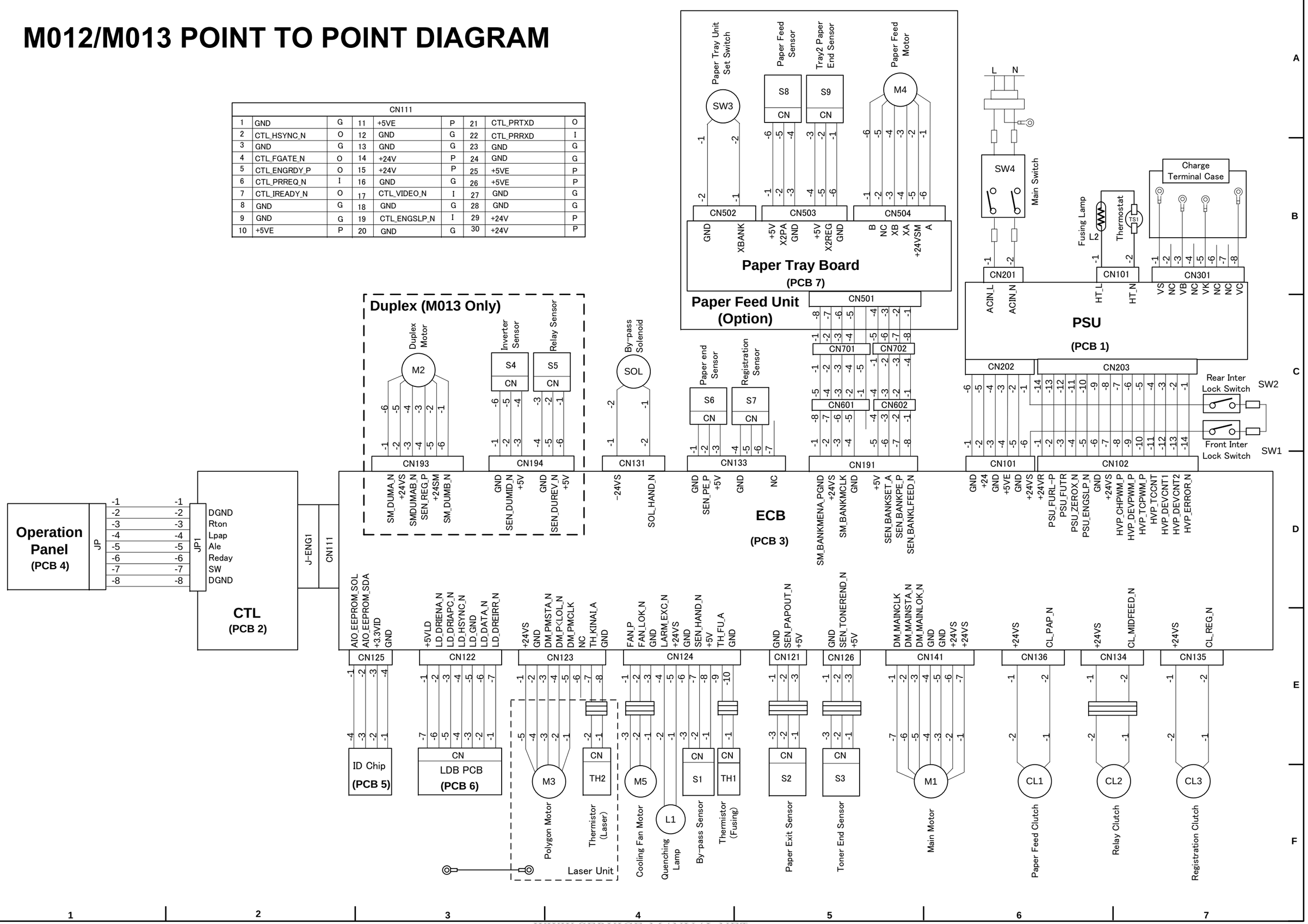
M012/M013 POINT TO POINT DIAGRAM

CN111								
1	GND	G	11	+5VE	P	21	CTL_PRTXD	O
2	CTL_HSYNC_N	O	12	GND	G	22	CTL_PRRXD	I
3	GND	G	13	GND	G	23	GND	G
4	CTL_FGATE_N	O	14	+24V	P	24	GND	G
5	CTL_ENGRDY_P	O	15	+24V	P	25	+5VE	P
6	CTL_PRREQ_N	I	16	GND	G	26	+5VE	P
7	CTL_IREADY_N	O	17	CTL_VIDEO_N	I	27	GND	G
8	GND	G	18	GND	G	28	GND	G
9	GND	G	19	CTL_ENGSLP_N	I	29	+24V	P
10	+5VE	P	20	GND	G	30	+24V	P



M012/M013 ELECTRICAL COMPONENT LAYOUT

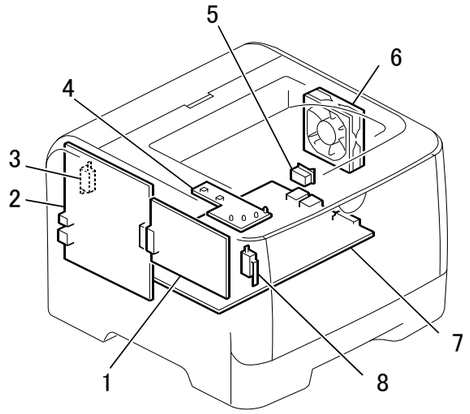


Fig1 M013V102

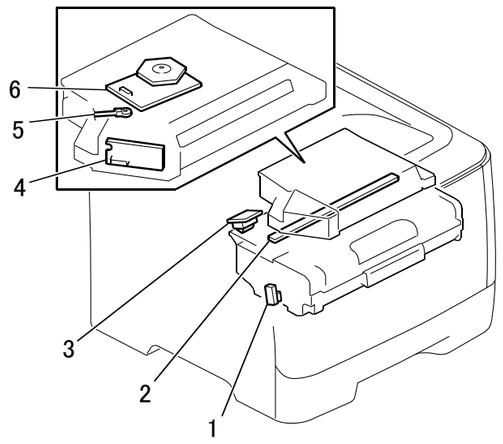


Fig2 M013V103

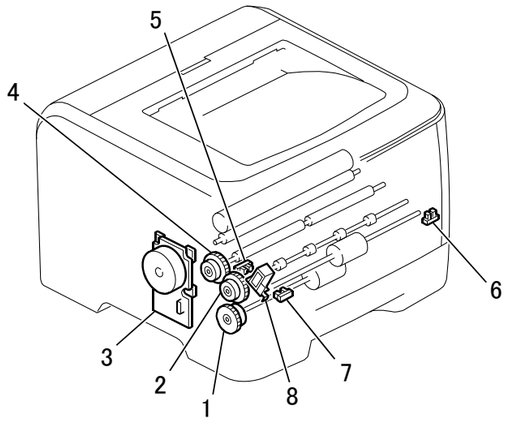


Fig3 M013V104

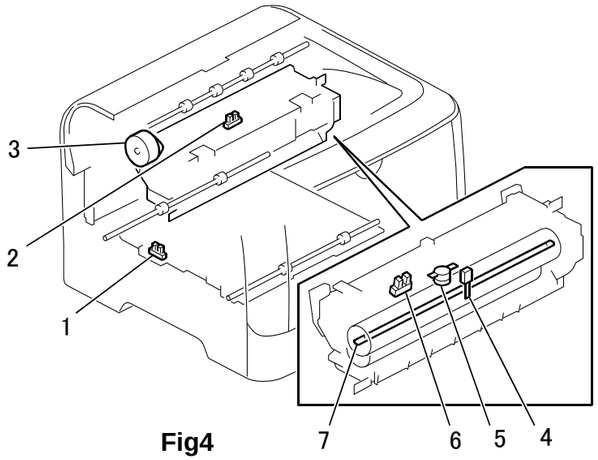


Fig4 M013V105

Symbol	Index No.		Description	P to P	
	a model	b model		a model	b model
Motors					
M1	Fig3－3		Main Motor	F6	
M2	-	Fig4－3	Duplex Motor	-	C3
M3	Fig2－6		Polygon Motor	F4	
M4	Fig5－1		Paper Feed Motor	A5	
M5	Fig1－6		Cooling Fan Motor	F4	
Sensors					
S1	Fig3－6		By-pass Sensor	F4	
S2	Fig4－6		Paper Exit Sensor	F5	
S3	Fig2－1		Toner End Sensor	F5	
S4	-	Fig4－1	Inverter Sensor	-	C3
S5	-	Fig4－2	Relay Sensor	-	C3
S6	Fig3－7		Paper End Sensor	C4	
S7	Fig3－5		Registration Sensor	C5	
S8	Fig5－3		Paper Feed Sensor	A5	
S9	Fig5－4		Tray2 Paper End Sensor	A5	
Magnetic Clutches					
MC1	Fig3－1		Paper Feed Clutch	F6	
MC2	Fig3－2		Relay Clutch	F7	
MC3	Fig3－4		Registration Clutch	F7	
Switches					
SW1	Fig1－8		Front Interlock Switch	C7	
SW2	Fig1－3		Rear Interlock Switch	C7	
SW3	Fig5－5		Paper Tray Unit Set Switch	A4	
SW4	Fig1－5		Main Switch	B6	
Solenoids					
SOL1	Fig3－8		By-pass Solenoid	C4	
Others					
L1	Fig2－2		Quenching Lamp	F4	
L2	Fig4－7		Fusing Lamp	B6	
TH1	Fig4－4		Thermistor(Fusing)	F4	
TH2	Fig2－5		Thermistor(Laser)	F4	
TS1	Fig4－5		Thermostat	B7	
PCBs					
PCB1	Fig1－7		PSU	C6	
PCB2	Fig1－2		CTL	D2	
PCB3	Fig1－1		ECB	D5	
PCB4	Fig1－4		Operation Panel	D1	
PCB5	Fig2－3		ID Chip PCB	F3	
PCB6	Fig2－4		LDB PCB	F3	
PCB7	Fig5－2		Paper Tray Board	B5	

ELECTRICAL COMPONENT LAYOUT (M355)

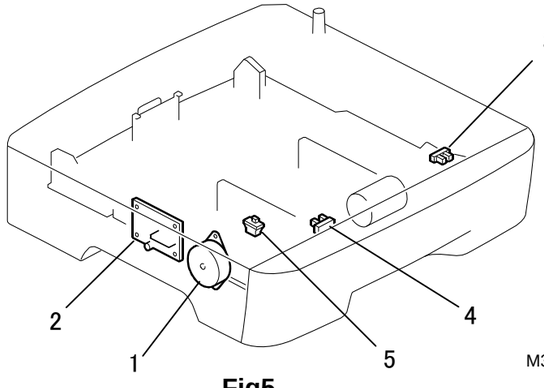


Fig5 M355D002