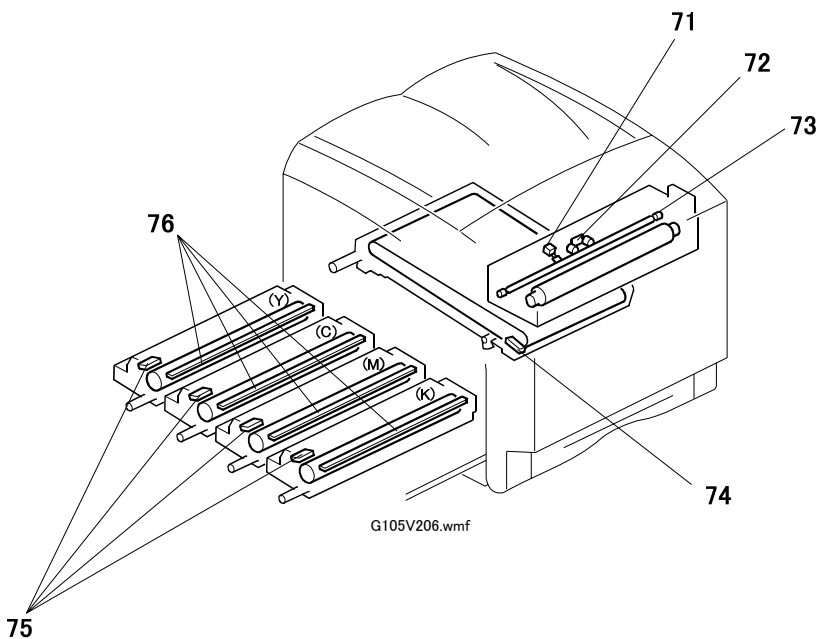
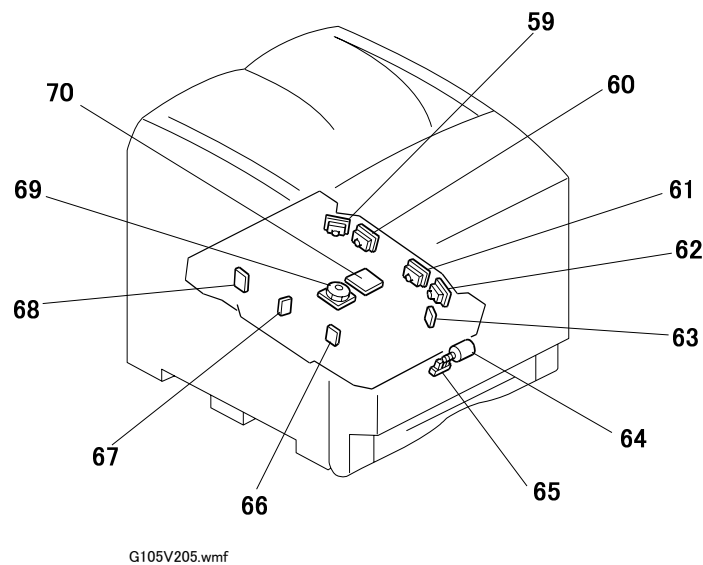
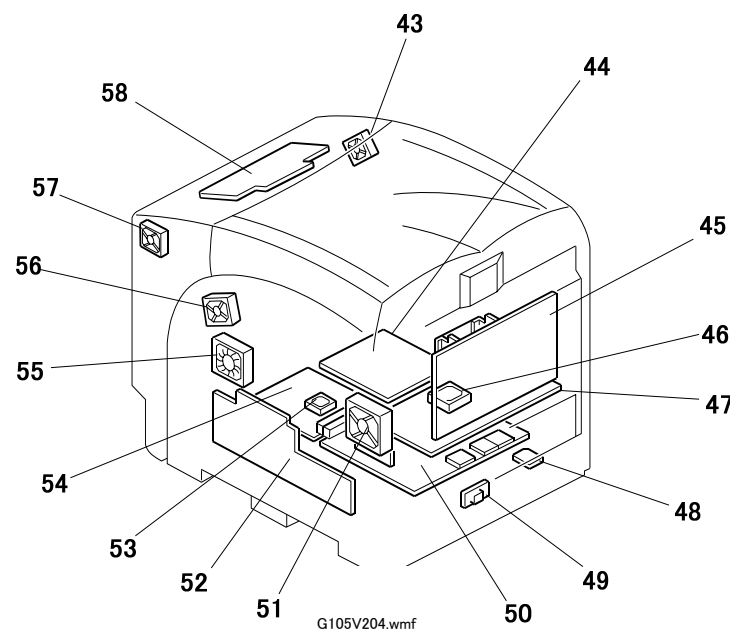
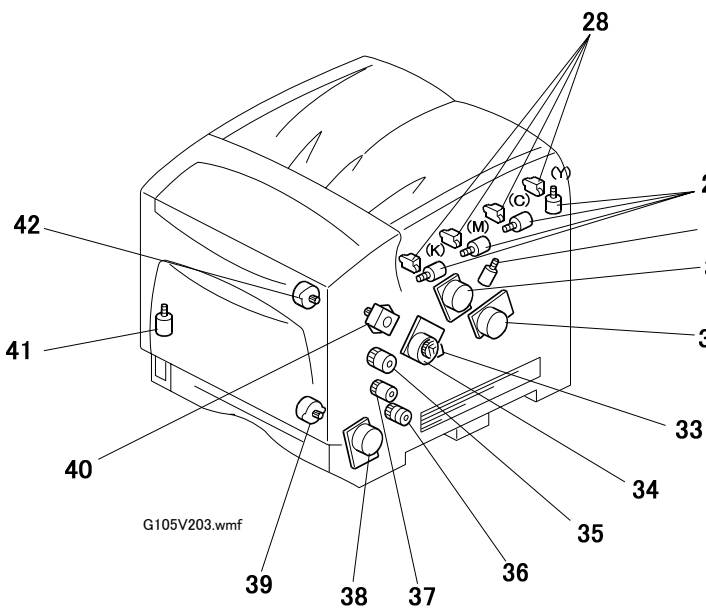
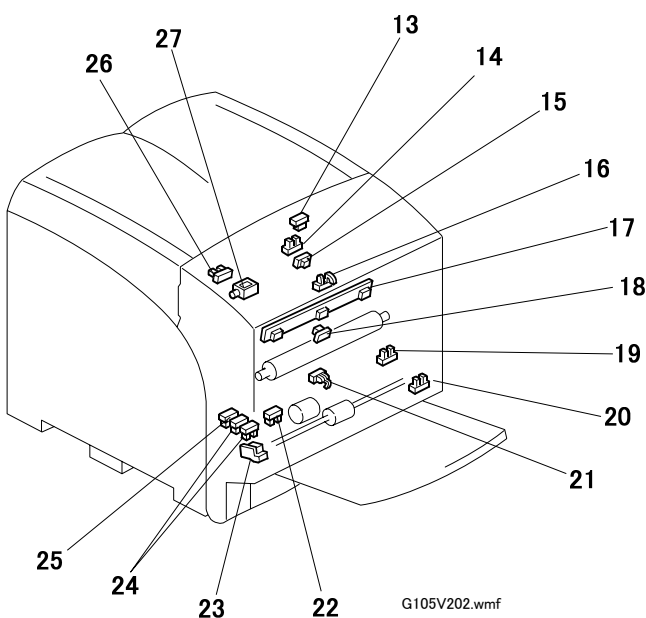
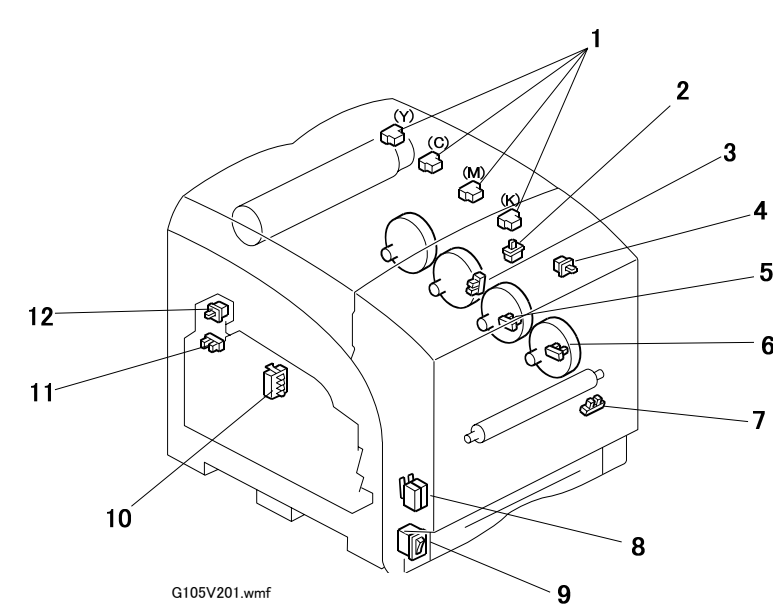


[illegible]

CN0101											
Pin#	Signal Name	IO	Pin#	Signal Name	IO	Pin#	Signal Name	IO	Pin#	Signal Name	IO
1	+5VE1	P	51	N.C.	IO	101	+5VE1	P	181	N.C.	IO
2	+5VE1	P	52	N.C.	IO	102	+5VE1	P	182	N.C.	IO
3	+5VE1	G	53	GND	IO	103	+5VE1	G	183	N.C.	IO
4	+5VE1	P	54	N.C.	IO	104	+5VE1	P	184	N.C.	IO
5	+5VE1	P	55	N.C.	IO	105	+5VE1	P	185	N.C.	IO
6	+5VE1	P	56	N.C.	IO	106	+5VE1	P	186	N.C.	IO
7	+5VE1	P	57	N.C.	IO	107	+5VE1	P	187	N.C.	IO
8	+5V	P	58	GND	G	108	+5VE1	P	188	GND	G
9	N.C.	IO	59	N.C.	IO	109	N.C.	O	189	N.C.	IO
10	XN1A	N.C.	60	N.C.	IO	110	N.C.	N.C.	190	N.C.	IO
11	N.C.	IO	61	N.C.	IO	111	N.C.	O	191	N.C.	IO
12	N.C.	IO	62	N.C.	IO	112	N.C.	I	192	N.C.	IO
13	XREQ0	I	63	GND	G	113	N.C.	O	193	GND	G
14	XEN1	N.C.	64	N.C.	IO	114	N.C.	O	194	N.C.	IO
15	GND	IO	65	N.C.	IO	115	GND	G	195	N.C.	IO
16	PCI AD00	IO	66	N.C.	IO	116	PCI AD01	IO	196	N.C.	IO
17	PCI AD01	IO	67	N.C.	IO	117	PCI AD02	IO	197	N.C.	IO
18	PCI AD02	IO	68	GND	G	118	PCI AD02	IO	198	GND	G
19	PCI AD24	IO	69	N.C.	I	119	PCI AD25	IO	199	N.C.	IO
20	GND	IO	70	N.C.	I	120	GND	IO	200	N.C.	IO
21	PCI AD22	IO	71	N.C.	I	121	PCI AD23	IO	201	N.C.	IO
22	PCI AD01	IO	72	N.C.	I	122	PCI AD01	IO	202	N.C.	IO
23	PCI AD18	IO	73	N.C.	O	123	PCI AD19	IO	203	N.C.	IO
24	PCI AD16	IO	74	N.C.	I	124	PCI AD17	IO	204	N.C.	IO
25	GND	IO	75	N.C.	I	125	GND	G	205	N.C.	IO
26	C-BE2	IO	76	N.C.	I	126	C-BE3	IO	206	N.C.	IO
27	C-BE0	IO	77	N.C.	G	127	C-BE1	IO	207	GND	G
28	XPRESSET	IO	78	N.C.	O	128	N.C.	O	208	N.C.	IO
29	XDEVSEL	IO	79	N.C.	O	129	XTRDY	IO	209	N.C.	IO
30	XRDY	IO	80	N.C.	O	130	XFRAME	IO	210	N.C.	IO
31	XPSERR	IO	81	N.C.	O	131	XSTOP	IO	211	N.C.	IO
32	PAR	IO	82	GND	G	132	XSERR	IO	212	GND	G
33	GND	IO	83	ADPCLK	I	133	GND	G	213	ENGRDY	O
34	PCI AD14	IO	84	ADPCLK	IO	134	PCI AD15	IO	214	ENGRDY2	O
35	PCI AD12	IO	85	ADPCLK	IO	135	PCI AD13	IO	215	N.C.	IO
36	PCI AD10	IO	86	ADPCLK	O	136	PCI AD11	IO	216	WAKEUP	O
37	PCI AD8	IO	87	ADPLEDON	I	137	PCI AD9	IO	217	N.C.	IO
38	GND	IO	88	N.C.	G	138	GND	G	218	ADPSTRT	I
39	PCI AD6	IO	89	N.C.	O	139	PCI AD7	IO	219	N.C.	IO
40	PCI AD4	IO	90	PONEN1	I	140	PCI AD5	IO	220	VDET EPCI	O
41	PCI AD2	IO	91	N.C.	I	141	PCI AD3	IO	221	ADP(PPAL)	PI
42	PCI AD0	IO	92	N.C.	I	142	PCI AD1	IO	222	N.C.	IO
43	GND	IO	93	GND	G	143	GND	G	223	GND	G
44	N.C.	IO	94	PCLK1	I	144	N.C.	IO	224	N.C.	IO
45	N.C.	IO	95	GND	G	145	N.C.	IO	225	GND	G
46	N.C.	IO	96	N.C.	I	146	N.C.	IO	226	N.C.	IO
47	N.C.	IO	97	GND	G	147	N.C.	O	227	N.C.	IO
48	GND	IO	98	N.C.	P	148	GND	IO	228	N.C.	IO
49	N.C.	IO	99	N.C.	P	149	N.C.	N.C.	229	N.C.	IO
50	N.C.	IO	100	N.C.	P	150	N.C.	IO	230	N.C.	P

CN110			
Pin#	Signal Name	IO	
1	GND	G	
2	GND	G	
3	D3	IO	
4	XCD1		
5	D4	IO	
6	D11	IO	
7	D5	IO	
8	D12	IO	
9	D6	IO	
10	D13	IO	
11	D7	IO	
12	D14	IO	
13	GS_CARD	O	
14	A15	O	
15	A10	O	
16	GS_CARD	O	
17	A11	O	
18	A11	O	
19	A9	O	
20	A8	O	
21	A7	O	
22	A13	O	
23	A18	O	
24	A14	O	
25	A19	O	
26	WR_N	O	
27	A20	O	
28	A5	O	
29	+5VE	P	
30	+5VE	P	
31	A16	O	
32	A15	O	
33	A12	O	
34	A7	O	
35	A5	O	
36	A5	O	
37	A4	O	
38	A1	O	
39	A2	O	
40	A1	O	
41	D0	IO	
42	D0	IO	
43	D8	IO	
44	D0	IO	
45	D0	IO	
46	D2	IO	
47	D10	IO	
48	A10	O	
49	GND	G	
50	GND	G	

G160/161/190 ELECTRICAL COMPONENT LAYOUT



Symbol	Index No.	Description	P to P
Motors			
M1	41	Transfer Roller Contact Motor	D4
M2	64	LDU Shutter Motor	D4
M3	31	Color OPC Motor	D5
M4	34	Black OPC / Development Motor	D5
M5	32	Color Development Motor	D7
M6	29	Toner Supply Motor	D8
M7	30	Transfer Belt Unit Contact Motor	D8
M8	42	Inverter Motor	G8
M9	39	Duplex Motor	G8
M10	38	Paper Feed / Fusing Motor	G7
M11	40	Transfer Belt Unit Motor	G7
M12	69	Polygon Motor	G3
M12	70	Polygon Motor Drive Board	G3
Fans			
F1	53	Polygon Motor Fan	C3
F2	43	Paper Exit Fan	G6
F3	56	Fusing Unit Fan	G7
F4	55	Drive Unit Fan	G7
F5	57	Duplex Unit Fan	G9
F6	51	PSU Fan	D8
-	46	PSU Inner Fan	-
Sensors			
S1	5	Color Drum Gear Position Sensor	D5
S2	6	Black Drum Gear Position Sensor	D6
S3	28	Toner End Sensor (Y)	D10
S3	28	Toner End Sensor (C)	D10
S3	28	Toner End Sensor (K)	D6
S3	28	Toner End Sensor (M)	D9
S4	3	Transfer Belt Contact Sensor	D6
S5	7	Transfer Roller Contact Sensor	D6
S6	75	TD Sensor / New PCU Detection / PCU Set (K)	D6
S7	74	Transfer Belt Rotation / New Unit Detection	D6

Symbol	Index No.	Description	P to P
S9	75	TD Sensor / New PCU Detection / PCU Set (M)	D7
S10	4	Front Door Sensor	D7
S11	75	TD Sensor / New PCU Detection / PCU Set (C)	D9
S12	11	Waste Toner Overflow Sensor	D9
S13	12	Left Cover Sensor	D9
S14	75	TD Sensor / New PCU Detection / PCU Set (Y)	D10
S15	49	Temperature/Humidity Sensor	D10
S16	10	Paper Size Sensor	F10
S17	18	Fusing Entrance Sensor	G9
S18	21	Duplex Jam Sensor 2	G9
S19	16	Duplex Jam Sensor 1	G9
S20	20	By-pass Paper Detection Sensor	G9
S21	13	Inverter Sensor	G8
S22	15	Fusing Exit Sensor	G6
S23	26	Paper Overflow Sensor	G6
S24	14	Paper Exit Sensor	G6
S25	17	ID Sensor	G6
S26	71	Fusing Thermistor / New Unit Sensor	G5
S28	2	Top Cover Sensor	G5
S29	65	LDU Shutter Sensor	G5
S30	19	Registration Sensor	G5
S31	25	Paper Width Sensor	G4
S32	24	Paper Height Sensor 2	G4
S33	24	Paper Height Sensor 1	G4
S34	22	Paper End Sensor	G4
Switches			
SW1	9	Main Power SW	F2
SW3	8	Interlock SW	D4

Symbol	Index No.	Description	P to P
Solenoids			
SOL1	33	Development Clutch	D5
SOL2	23	By-pass Solenoid	G8
SOL3	27	Junction Gate Solenoid	G6
SOL4	37	Relay Transport Clutch	G5
SOL5	35	Registration Clutch	G4
SOL6	36	Paper Feed Clutch	G4
PCBs			
PCB1	61	LDB [M]	B1
PCB2	60	LDB [C]	B1
PCB3	59	LDB [Y]	B2
PCB4	62	LDB [K]	B2
PCB5	54	EGB	D3
PCB6	47	High Voltage Power 1	E1
PCB7	46	High Voltage Power 2	E2
PCB8	45	PSU	E2
PCB9	50	Controller	C3
PCB10	52	IOB	E7
PCB11	58	OPU	G8
Others			
LSD1	67	Synchronizing Detector Board Y,C-E	G4
LSD2	68	Synchronizing Detector Board Y,C-S	G4
LSD3	66	Synchronizing Detector Board M,K-E	G4
LSD4	63	Synchronizing Detector Board M,K-S	G3
CON1	1	ID Chip Connector	D8,D9
H2	73	Fusing Lamp	G3
SD1	48	SD Card	-
TS	72	Thermostat	-
QL	76	Quenching Lamp	-