

Model K-P3d/P3l/P3s/P4d (G091/G116)

PARTS CATALOG

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This catalog gives the numbers and names of parts on this machine.

Model K-P3d/P3l/P3s/P4d		(G091/G116)
K-P3d	AD410	(G552)
	CS380	(G553)
	1-bin Shift Sort Tray Type 2600	(G554)
	Paper Feed Unit Type 600	(G555)
K-P4d	Envelope Feeder Type 2600	(G556)
	AD Type 610	(G806)
	Paper Feed Unit Type 610	(G399)
	Envelope Feeder Type 610	(G807)

Model K-P3d/P3l/P3s/P4d
(G091/G116)

Model K-P3d/P3l/P3s/P4d (G091/G116)

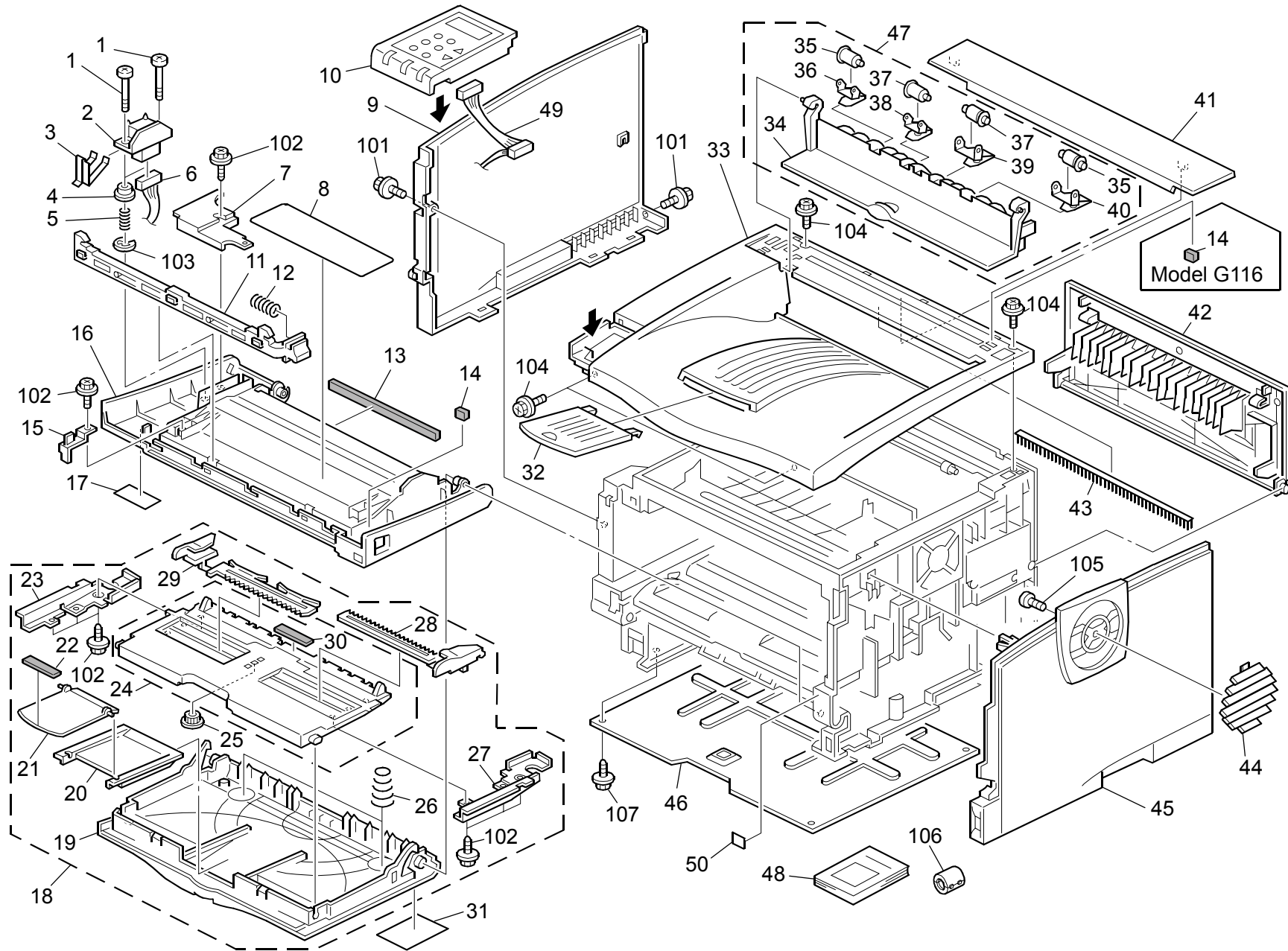
PARTS CATALOG

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January 6, 2011

1.Exterior (G091/G116)



1.Exterior (G091/G116)

Index No.	Part No.	Description	Q'ty Per Assembly
1	G052 1543	Step Screw	2
2	G052 5362	Receptacle - 99RH144	1
3	G052 1544	Spring Plate - Receptacle	1
4	G052 1542	Collar - Receptacle	2
5	G052 1541	Spring - Receptacle	2
6	G088 3539	Internal Thermistor	1
6	G175 3539	Thermistor- Transfer	1
7	G052 1545	Harness Cover (G091-17/20/21/22/27)	1
7	G129 1251	Harness Cover (G091-28, G116-17/22/27)	1
8	G052 1551	Decal - Paper Jam (G091-17/20/21/22/27)	1
8	G111 1070	Decal - Paper Jam (G091-28, G116-17/22/27)	1
9	G088 1594	Left Cover (G091-17/20/21/22/27)	1
9	G111 1277	Left Cover - NA (G116-17)	1
9	G111 1289	Left Cover - EU (G091-28, G116-22/27)	1
10	G088 1930	Operation Panel Ass'y (G091-17/22/27)	1
10	G088 1970	Operation Panel Ass'y (G091-20/21)	1
10	G111 1410	Operation Panel Ass'y (G116-17/22/27)	1
10	G091 1970	Operation Panel Ass'y (G091-28)	1
11	G052 1516	Lock Lever (G091-17/20/21/22/27)	1
11	G111 1286	Lock Lever (G091-28, G116-17/22/27)	1
12	G052 1518	Spring - Lock Lever	1
13	G052 3356	Sheet - Soundproof	1
14	G052 1546	Lock Spring Cushion (G116-17/22/27)	1
14	G052 1546	Lock Spring Cushion (G116-17/22/27)	2
15	G052 1517	LD Shutter Feeler (G091-20/21/22/27)	1
15	G111 1287	LD Shutter Feeler (G091-28, G116-17/22/27)	1
16	G052 1566	Front Cover (G091-17/20/21/22/27)	1
16	G111 1257	Front Cover NA (G116-17)	1
16	G111 1291	Front Cover - EU (G116-22/27)	1
17	G091 6621	Model Name Plate (G091-21)	1
17	G088 2372	Model Name Plate (G091-17/27)	1
17	G091 6620	Model Name Plate (G091-20)	1
17	G091 8905	Model Name Plate (G091-28)	1
17	G116 0404	Model Name Plate:RIC (G116-17/27)	1

Index No.	Part No.	Description	Q'ty Per Assembly
17	G116 7050	Model Name Plate:GES (G116-22)	1
17	G116 7051	Model Name Plate:REX (G116-22)	1
17	G116 7052	Model Name Plate:NST (G116-22)	1
17	G116 7053	Model Name Plate:SAN:NA:G116	1
17	G116 7054	Model Name Plate:LAN (G116-17)	1
17	G116 7055	Model Name Plate:GES (G116-17)	1
18	G111 2770	Manual Feed Table:Rohs:Ass'y (G091-17/20/21/22/27)	1
18	G111 2560	Manual Feed Table Ass'y (G091-28, G116-17/22/27)	1
19	G052 3272	Bypass Front Cover (G091-17/20/21)	1
19	G111 2562	Bypass Front Cover (G091-28, G116-17/22/27)	1
20	G029 2705	Extention Tray (G091-17/20/21/22/27)	1
20	G111 2561	Extension Tray (G091-28, G116-17/22/27)	1
21	G052 3341	Sub Tray (G091-17/20/21/22/27)	1
21	G111 2565	Sub Tray (G091-28, G116-17/22/27)	1
22	G029 2708	Pad (G091-17/22/27)	1
23	G076 3281	Supporting Plate:Base:Manual FE	1
24	G076 3274	Base:Manual Feed:Rohs:Adhesion (G091-17/20/21/22/27)	1
24	G111 2566	Manual Feed Base (G116-17/22/27)	1
25	G800 3133	Side Fence Gear	1
26	G052 3278	Spring - Bypass	2
27	G076 3282	Supporting Plate:Base:Manual FE	1
28	G052 3276	Right Side Fence - Bypass (G091-17/20/21/22/27)	1
28	G111 2563	Right Side Fence - Bypass (G091-28, G116-17/22/27)	1
29	G052 3277	Left Side Fence - Bypass (G091-17/20/21/22/27)	1
29	G111 2564	Left Side Fence - Bypass (G091-28, G116-17/22/27)	1
30	5215 2713	Bottom Plate Pad (RoHs)	1
30	G029 2608	Base Pad	1

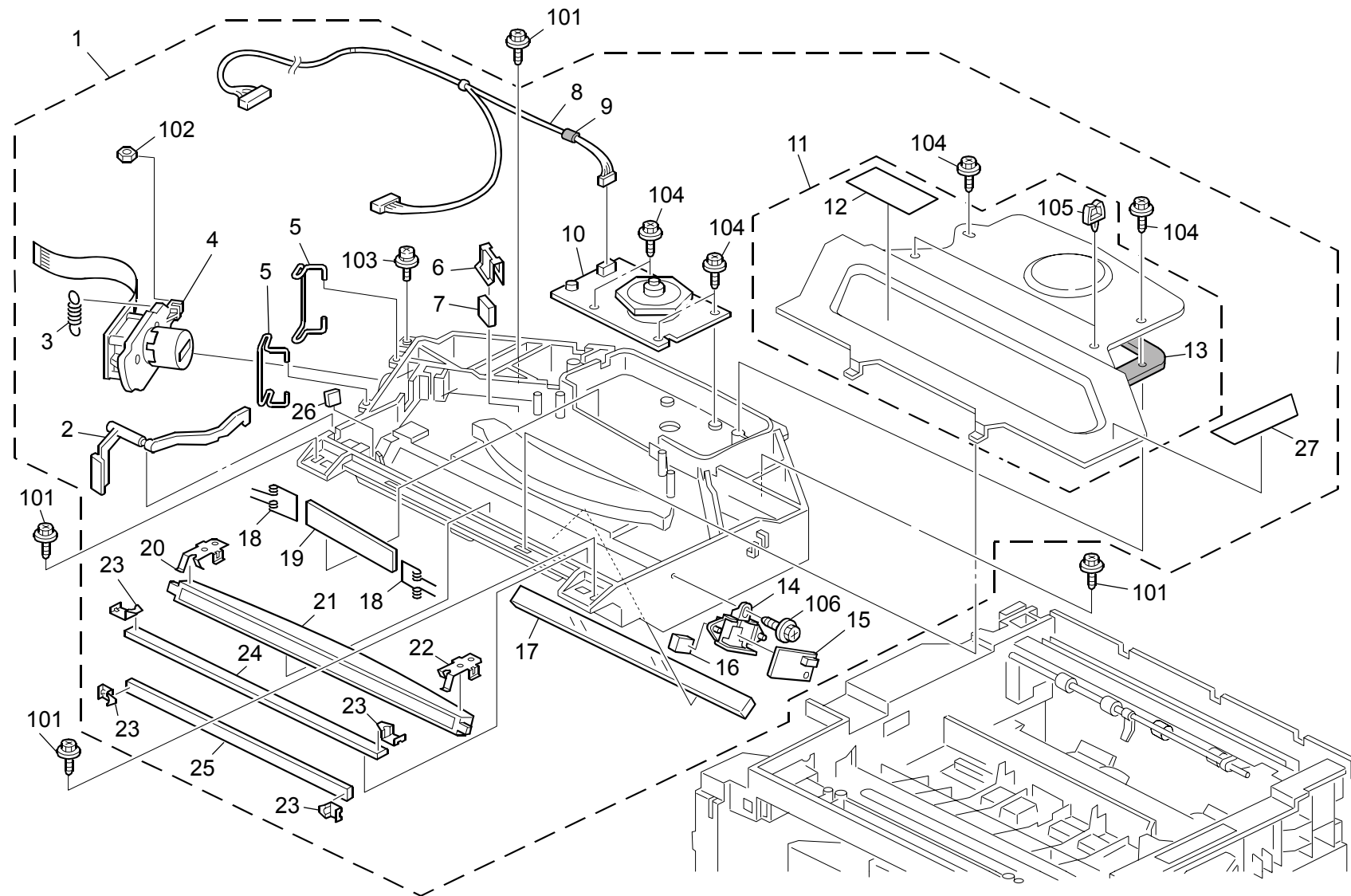


Index No.	Part No.	Description	Q'ty Per Assembly
31	G056 2381	Decal - Energy Star/Postscript (G091-17/22/27)	1
31	GA00 1038	Decal:PS	1
31	G116 6604	Decal:PS+ES (G116-17/22/27)	1
32	G052 1504	Paper Tray Extension (G091-17/20/21/22/27)	1
32	G111 1260	Exit Tray (G091-28, G116-22/27)	1
33	G075 1652	Upper Cover (G091-17/20/21/22/27)	1
33	G111 1293	Upper Cover (G091-28, G116-17/22/27)	1
34	G052 1512	Cover:Exit (G091-17/20/21/22/27)	1
34	G111 1272	Exit Cover (G091-28, G116-17/22/27)	1
35	G052 4873	Outer Exit Cover Roller	2
36	G052 4871	Left Holder - Exit Driven Roller	1
37	G052 4875	Inner Exit Cover Roller	2
38	G052 4876	Left Spring Plate	1
39	G052 4877	Right Spring Plate	1
40	G052 4872	Right Holder - Exit Driven Roller	1
41	G052 1503	Top Cover (G091-17/20/21/22/27)	1
41	G111 1250	Rear Upper Cover (G091-28, G116-22/27)	1
42	G052 1563	Rear Cover (G091-17/20/21/22/27)	1
42	G111 1200	Rear Cover (G116-17)	1
42	G111 1201	Rear Cover (G091-28, G116-22/27)	1
43	G052 4889	Discharge Brush:Exit:Ass'y	1
44	G075 1651	Louver (G091-17/20/21/22/27)	1
44	G111 1292	Louver (G091-28, G116-17/22/27)	1
45	G088 1650	Right Cover (G091-17/20/21/22/27)	1
45	G111 1278	Right Cover (G116-17)	1
45	G111 1290	Right Cover (G091-28, G116-22/27)	1
46	G555 1082	Lower Frame	1
47	G052 1509	Cover:Exit:Ass'y (G091-17/20/21/22/27)	1
48	G091 8625	Operating Instructions (G091-17)	1
48	G091 8956	Operating Instructions (G091-21)	1
48	G116 8604	O/I - Setup Guide : K-P4 (G116-17)	1
48	G116 8610	O/I - Maintenance Guide : K-P4 (G116-17)	1
49	G088 5423	Harness - Fusing (G091-17)	1
49	G116 5424	Harness:Fusing (G091-20/21/28)	1



Index No.	Part No.	Description	Q'ty Per Assembly
49	G088 5424	Harness - Fusing (G091-21/28)	1
49	G111 5423	Harness - Fusing (G116-17)	1
49	G111 5424	Harness - Fusing (G116-22/27)	1
50	B121 7450	Decal - WEEE (G116-22/27)	1
101	0451 3006N	Tapping Screw - 3x6	
102	0450 3008N	Tapping Screw - M3x8	
103	0720 0020E	Retaining Ring - M2	
104	0450 4010N	Tapping Screw:M4x10	
105	0452 3006N	Binding Self-Tapping Screw:M3x6	
106	1607 1092	Ferrite Core - RFC-10	
107	0450 4014N	Tapping Screw:4x14	

2.Laser Unit (G091/G116)

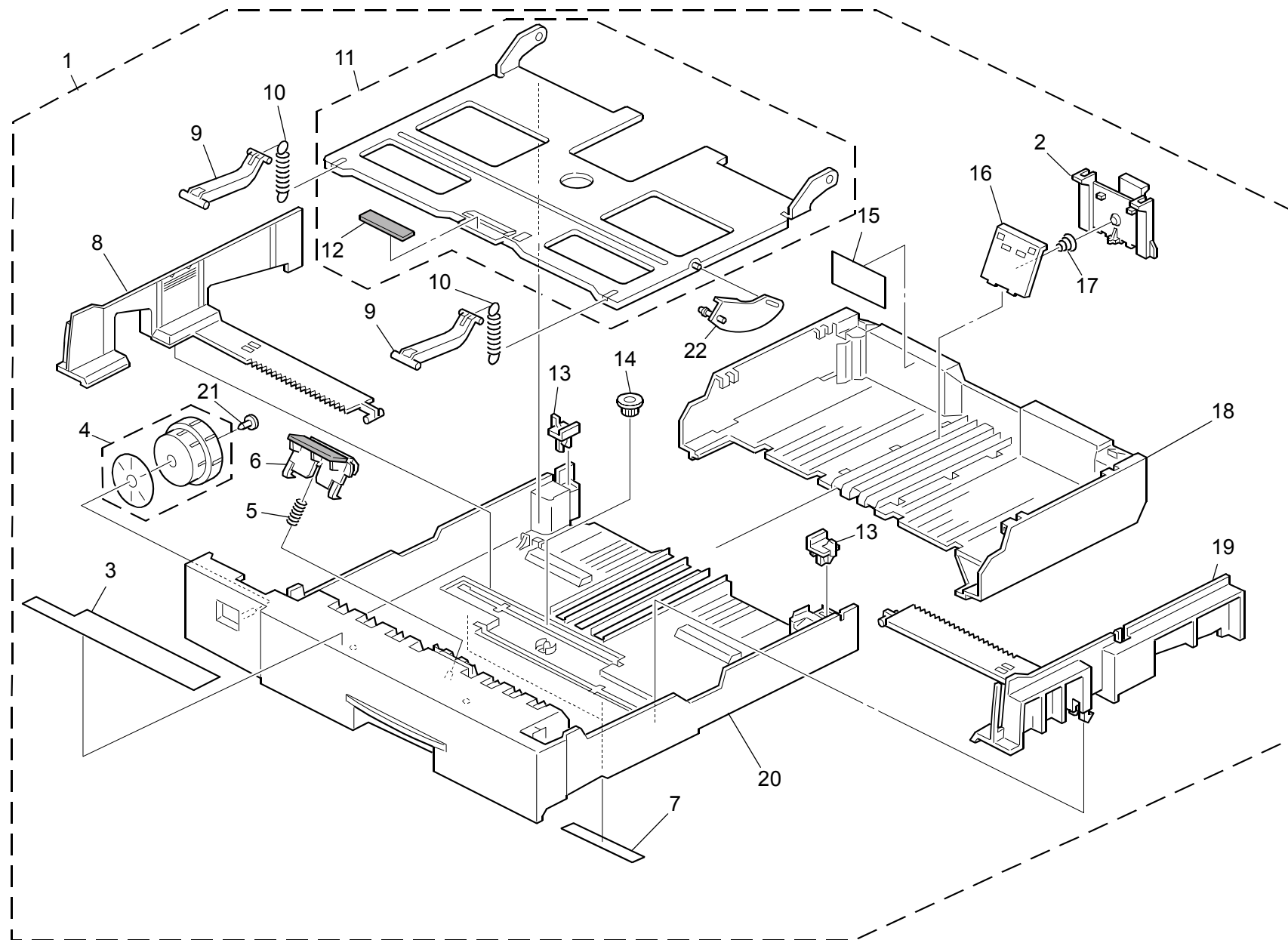


2.Laser Unit (G091/G116)

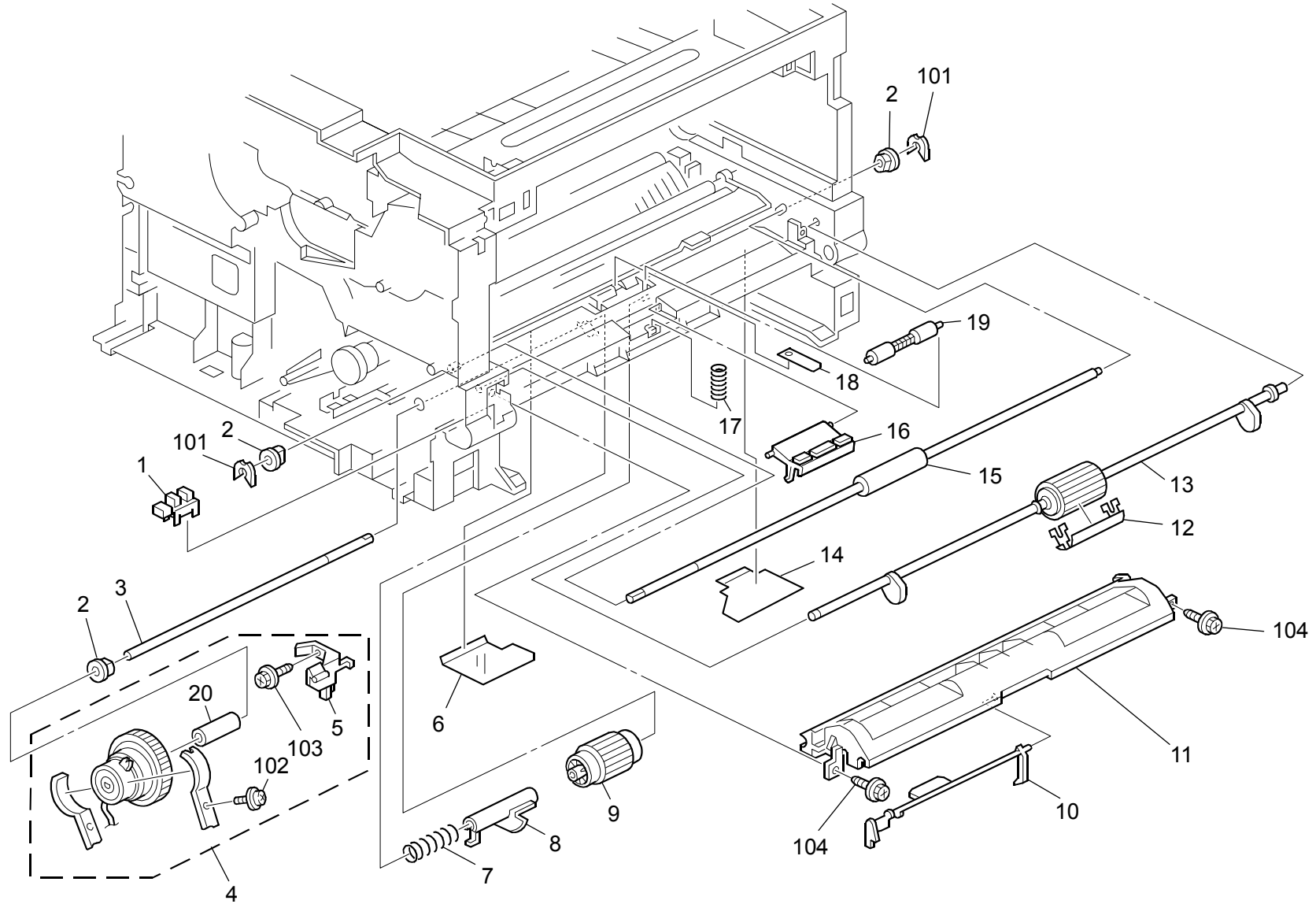
Index No.	Part No.	Description	Q'ty Per Assembly
1	G096 2702	Imaging Unit Ass'y (G091-17/-22/-27)	1
1	G096 2704	Imaging Unit (G091-20/21/28)	1
1	G111 1907	Imaging Unit Ass'y (G116-17/22/27)	1
2	G052 2780	Shutter - LD	1
3	G052 2764	Spring - LD Unit	1
4	G088 2760	Laser Diode Unit:Ass'y (G091-17/22/27 EXP)	1
4	G128 2760	Laser Diode Unit (G091-20/21/28)	1
4	G129 1922	Laser Diode Unit Ass'y (G116-17/22/28)	1
5	G052 2763	LD Holder	2
6	G052 2773	Cylindrical Lens Holder	1
7	GC02 5011	Cylindrical Lens	1
8	G091 5403	Harness - Polygon Mirror Motor (G091-20/21/28)(RoHs)	1
8	G088 5403	Harness - Polygon Mirror Motor (G091-17/22/27)	1
8	G111 5403	Harness - Polygon Motor (G116-17/22/27)	1
9	G088 2775	Shield:Harness	1
10	GX06 0023	Polygon Scanner:35501RPM (G091-17/20/21/22/27/28)	1
11	G088 2785	Cover:Optical Housing:Ass'y	1
12	G029 1982	LD Decal	1
13	G088 2789	Shield:Cover:Polygon Scanner	1
14	G052 2791	Sync Detector Holder	1
15	G052 5060	Synchronization Detector	1
16	G029 1975	Cylindrical Lens	1
17	GC01 5006	Shield Glass (G091-17/20/21/22/27/28)	1
17	G129 1902	Shield Glass (G116-17/22/27)	1
18	G052 2777	Spring Holder - Shield Glass	2
19	GC01 5005	Shield Glass - Polygon Motor	1
20	G052 2771	Right DTL Holder	1
21	GC02 5010	DTL	1
22	G052 2772	Left DTL Holder	1
23	G052 2774	Mirror Clamp	4
24	GC03 0027	Mirror - 2	1
25	GC03 0026	Mirror - 1	1

Index No.	Part No.	Description	Q'ty Per Assembly
26	GC03 0028	Mirror - Sync Detector	1
27	G111 1910	Caution Decal - Laser (G116-17/22/27)	1
101	0450 3012N	Tapping Screw:M3x12	
102	0712 0030N	Hexagon Nut:M3	
103	0951 3016N	Screw:Polished Round:M3x16	
104	0450 3008N	Tapping Screw - M3x8	
105	1105 0229	Clamp	
106	0450 3006N	Tapping Screw - M3x6	

3.Paper Cassette (G091/G116)



4. Paper Feed Section (G091/G116)

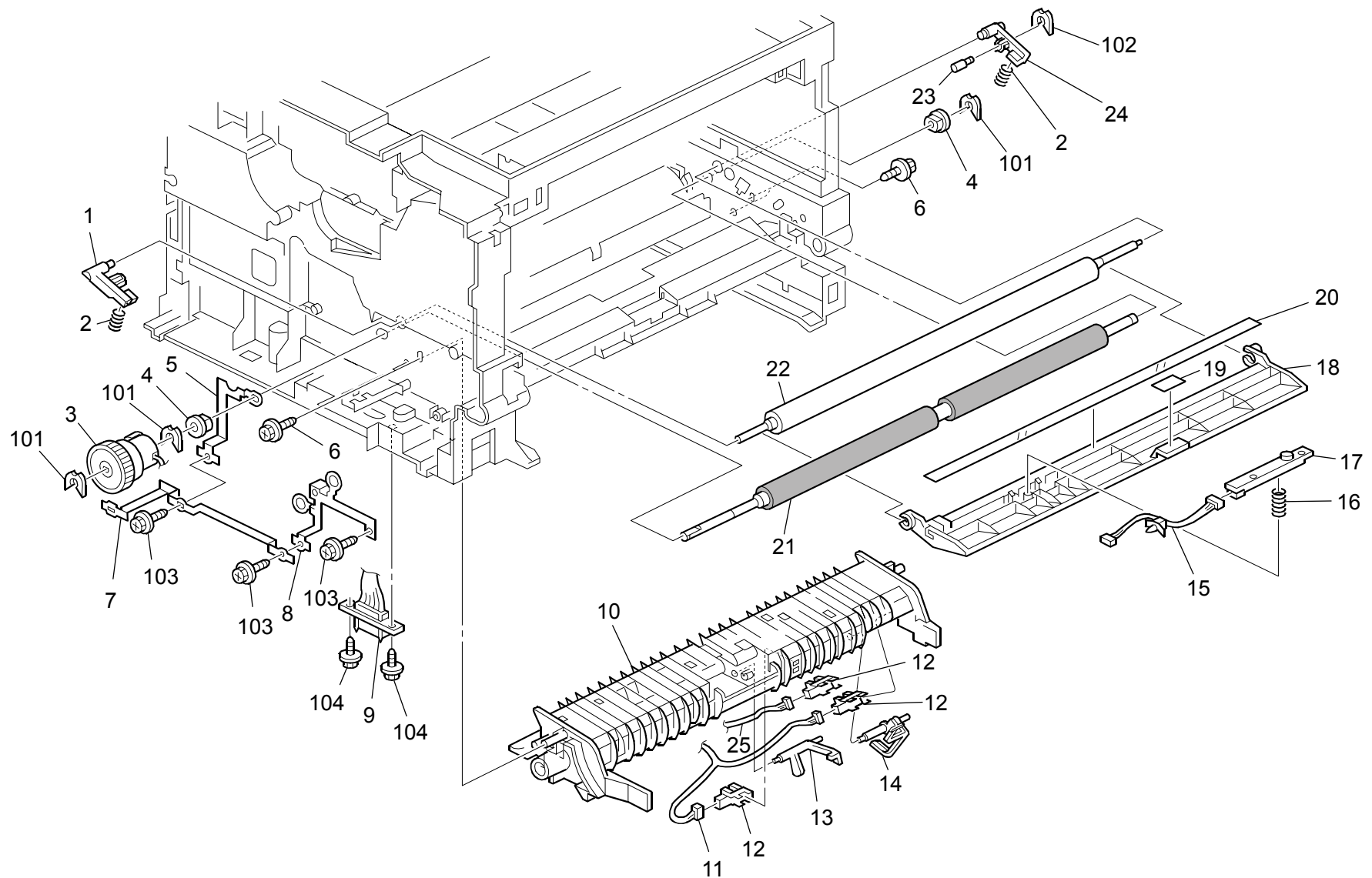


4.Paper Feed Section (G091/G116)

Index No.	Part No.	Description	Q'ty Per Assembly
1	AW02 0160	Paper Feed Sensor (RoHs)	1
2	AA08 2058	Bushing - 6x10x9mm	3
3	G052 3101	Shaft - Paper Feed	1
4	G129 2583	Magnetic Clutch Ass'y - Paper Feed	1
5	G052 3139	Stopper:Magnetic Clutch	1
6	G052 3109	Film - Paper Feed Guide	1
7	G029 2657	Compression Spring	1
8	G052 3128	Bushing - Paper Feed Roller	1
9	G052 3112	Paper Feed Roller	1
10	G052 3286	Feeler - Bypass	1
11	G052 3280	Frame - Bypass Feed (G091-17/20/21/22/27)	1
11	G111 2610	Frame - Bypass Feed (G116-17/22/27)	1
12	G029 2767	By-pass Feed Cover	1
13	G052 3288	Bypass Feed Roller (G091-17/20/21/22/27/28, G116-17/22/27)	1
14	G052 3142	Right Film - Paper Feed Guide	1
15	G052 3332	Relay Roller	1
16	G076 3290	Friction Pad:Manual Feed:Ass'y	1
17	G029 2757	Spring - 2.75N	1
18	G052 3304	Spring Plate - Paper Transport	1
19	G052 3303	Relay Roller	1
20	G052 3138	Paper Feed Spacer	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	0805 0089	Retaining Ring - M4	
102	0451 3006N	Tapping Screw - 3x6	
103	0450 3008N	Tapping Screw - M3x8	
104	0450 3010N	Tapping Screw - M3x10	

5. Paper Registration (G091/G116)

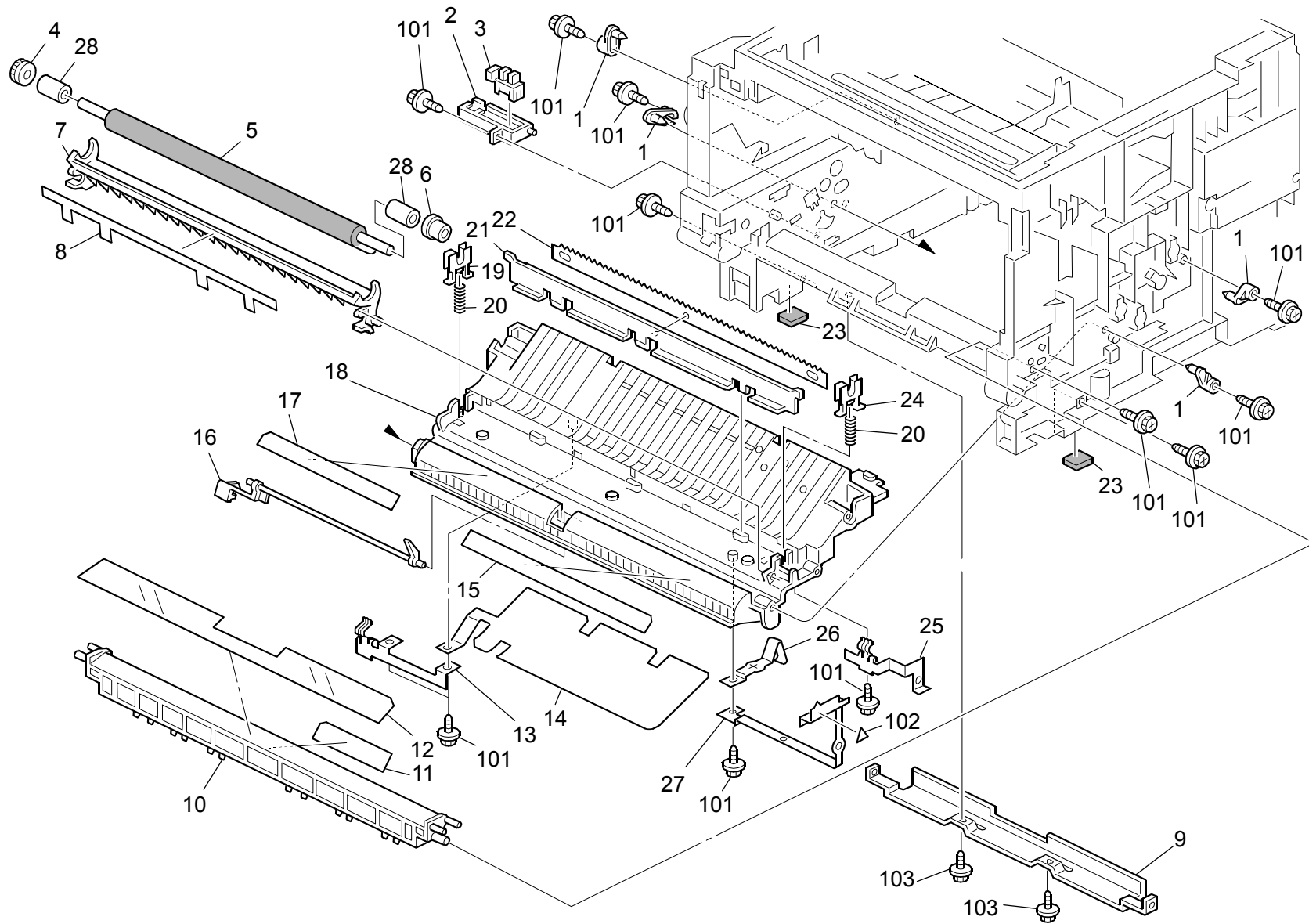


5.Paper Registration (G091/G116)

Index No.	Part No.	Description	Q'ty Per Assembly
1	G052 3258	Left Bushing - Registration	1
2	AA06 3539	Spring - Registration Roller	2
3	G129 2585	Magnetic Clutch Ass'y - Regist	1
4	AA08 2047	Bushing - 8x16x7	2
4	AA08 2144	Bushing - 8x12x7 (RoHs)	2
5	G052 3336	Ground Plate - Registration	1
6	G029 4159	Screw - M3x13	4
6	G116 4159	Screw:M3x13 (RoHs)	4
7	G052 3337	Ground Plate - Drive	1
8	G052 3335	Ground Plate - Paper Feed	1
9	G088 5412	Harness - Option Paper Feed	1
9	G116 5412	Harness:Paper Feed:Option (RoHs)	1
10	G111 2571	Stay - Paper Feed	1
11	G088 5400	Harness - FST Connecting	1
11	G111 5600	Harness:FST:Connecting (RoHs)	1
12	GW02 0020	Photointerruptor:LG248NL1 (RoHs)	3
13	G052 3104	Paper End Feeler	1
14	G088 3105	Paper Volume Sensor Feeler	1
15	G052 5404	Interface Harness - Te Sensor	1
15	G111 5404	Harness - Toner End Sensor (RoHs)	1
16	G052 3396	Spring - Toner End Sensor	1
17	G052 3390	Toner End Sensor	1
18	G052 3266	Upper Registration Guide	1
19	G052 3351	Decal - Registration	1
20	G052 3267	Film - Registration	1
21	G076 3316	Registration Roller	1
22	G076 3315	Registration Guide Roller	1
23	G052 3353	Bearing Shaft - Registration	1
24	G052 3257	Right Bushing - Registration	1
25	G088 5413	Harness - Paper Volume Sensor (G091-17/22/27)	1
25	G111 5415	Harness - Paper Volume Sensor (G091-20/21/28, G116-17/22/27)	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	0805 0088	Retaining Ring - M6	
102	0805 0100	Retaining Ring - M2.5	
103	0450 3008N	Tapping Screw - M3x8	
104	0450 3010N	Tapping Screw - M3x10	

6. Paper Transport (G091/G116)

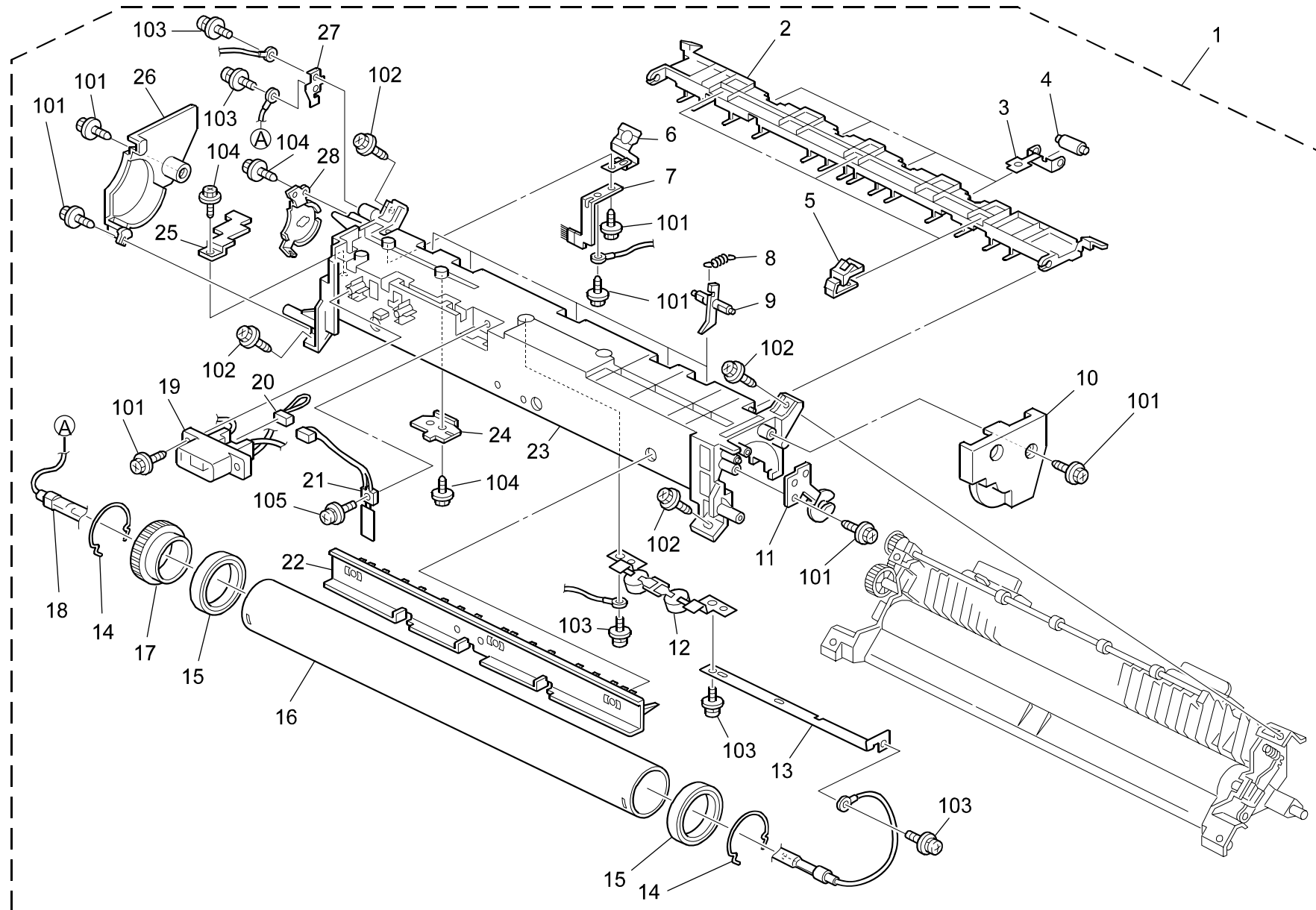


6.Paper Transport (G091/G116)

Index No.	Part No.	Description	Q'ty Per Assembly
1	G052 1019	Pin - Transport Guide	4
2	G052 3323	Registration Sensor Bracket	1
3	GW02 0020	Photointerruptor:LG248NL1 (RoHs)	1
4	G129 6252	Gear - Transfer Roller (MB7a)	1
5	G111 6256	Transfer Roller (MB7a)	1
6	G129 6251	Positioning Roller - Transfer (MB7a)	1
7	G052 3644	Transfer Roller Guide	1
8	G052 3641	Transfer Guide Sheet	1
9	G076 3301	Support Stay - Bypass	1
10	G088 3294	Paper Transport Guide	1
11	G052 3307	Transport Guide Mylar	1
12	G052 3306	Transport Roller Guide	1
13	G052 3629	Paper Transport Terminal	1
14	G052 3628	Ground Plate - Paper Transport	1
15	G052 3346	Registration Guide Sheet2	1
16	G052 3254	Registration Feeler	1
17	G052 3345	Registration Guide Sheet1	1
18	G052 1018	Paper Transport Guide	1
19	G052 3626	Left Bushing - Transfer	1
20	G052 3627	Spring - Transfer	2
21	G076 3622	Separation Plate Cover	1
22	G052 3621	Separation Plate	1
23	G030 1052	Rubber Foot	2
23	G116 1052	Rubber Foot (RoHs)	2
24	G052 3625	Right Bushing - Transfer	1
25	G052 3624	Separation Terminal	1
26	G052 1256	Development Terminal - High Voltage	1
27	G052 1253	Development Terminal	1
28	G129 6255	Bushing (MB7a)	2

Index No.	Part No.	Description	Q'ty Per Assembly
101	0450 3008N	Tapping Screw - M3x8	
102	1005 0890	Decal - TUV	
103	0451 3006N	Tapping Screw - 3x6	

7.Fusing Unit 1 (G091/G116)

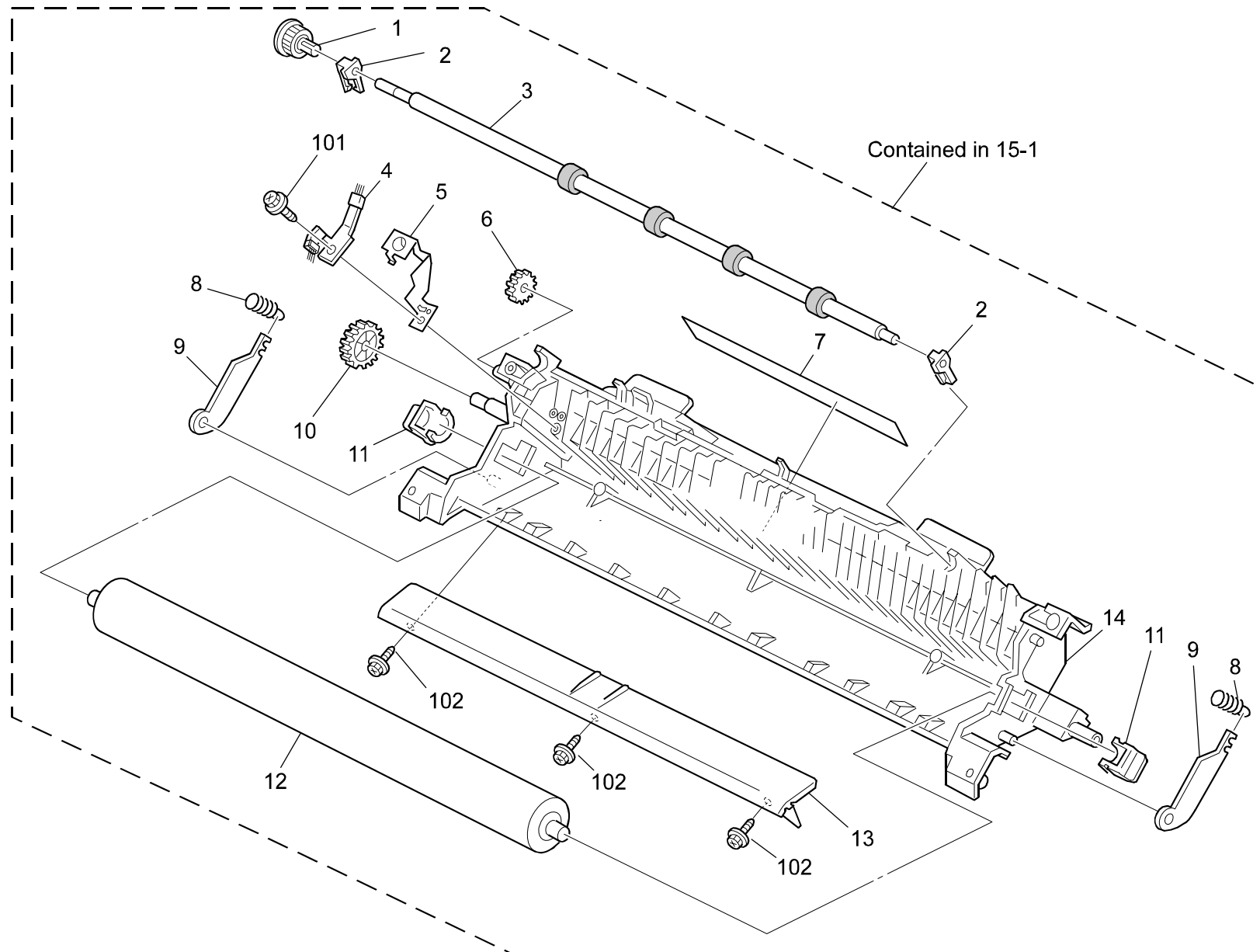


7.Fusing Unit 1 (G091/G116)

Index No.	Part No.	Description	Q'ty Per Assembly
1	G088 4552	Fusing Unit Ass'y (G091-17)	1
1	G088 4557	Fusing Unit Ass'y (G091-20/21/28)	1
1	G088 4553	Fusing Unit Ass'y (G091-22/27)	1
1	G111 4117	Fusing Unit Ass'y - P4 (G116-17)	1
1	G111 4127	Fusing Unit Ass'y - P4 (G116-22/27)	1
2	G052 4635	Fusing Exit Guide	1
3	G052 4639	Exit Roller Holder	4
4	G800 4854	Exit Roller (G091-17/22/27)	4
4	G111 4641	Exit Roller (G091-20/21/28, G116-17/22/27)	4
5	G052 4647	Spring Plate - Fusing Exit	3
6	G052 4690	Ground Plate - Fusing	1
7	G052 4642	Discharge Brush - Fusing	1
8	G052 4622	Spring - Fusing Stripper	5
9	G052 4624	Hot Roller Stripper	5
10	G096 4692	Fusing Right Cover	1
	G052 4699	X/O (200905 PCIL)	
11	G088 4616	Right Fusing Lamp Bracket	1
12	G088 4611	Thermostat:190C:Ass'y	1
13	G052 4602	Terminal Plate - Thermostat	1
14	G127 4465	Retaining Rings-C:Hot Roller	2
15	G052 4618	Bearing 30x42x7	2
16	G052 4614	Hot Roller:K (G091-17/20/21/22/27/28)	1
16	G111 4063	Hot Roller (G116-17/22/27)	1
17	G052 4619	Hot Roller Gear	1
18	G088 5544	Heater 750W 120V	1
18	G088 5545	Heater 750W/230V	1
19	G052 5500	Fusing Drawer - 120V (G091-17)	1
19	G052 5510	Fusing Drawer - 230V (G091-20/21/22/27/28)	1
19	G111 5500	Fusing Drawer - 120V (G116-17)	1
19	G111 5510	Fusing Drawer - 230V (G116-22/27)	1
20	G088 5520	Fusing Drawer Sensor Ass'y (G091-17)	1
20	G088 5521	Fusing Drawer Set Sensor Ass'y (G091-20/21/22/27/28)	1
20	G111 5520	Fusing Drawer Sensor (G116-17)	1
20	G111 5521	Fusing Drawer Sensor (G116-22/27)	1

Index No.	Part No.	Description	Q'ty Per Assembly
21	G052 5501	Fusing Thermistor (G091-17/20/21/22/27/28)	1
21	G111 4064	Thermistor (G116-17/22/27)	1
22	G088 4643	Upper Fusing Entrance Guide (NA)	1
22	G052 4644	Upper Fusing Entrance Guide (EU/CHN)	1
23	G052 4629	Fusing Upper Frame	1
24	G052 4625	Harness Holder - Fusing	1
25	G052 4695	Harness Cover	1
26	G052 4698	Fusing Left Cover	1
27	G088 4617	Electrode:Heater (G091-17/21/22/27/, G116-22/27)	1
27	G088 4618	Electrode:Heater (G091-20/28)	1
28	G088 4615	Bracket:Heater:Left	1
101	0450 3008N	Tapping Screw - M3x8	
102	0450 3012N	Tapping Screw:M3x12	
103	0954 3008N	Philips Screw - M3x8	
104	0450 3010N	Tapping Screw - M3x10	
105	0954 3010N	Philips Screw - M3x10	

8.Fusing Unit 2 (G091/G116)

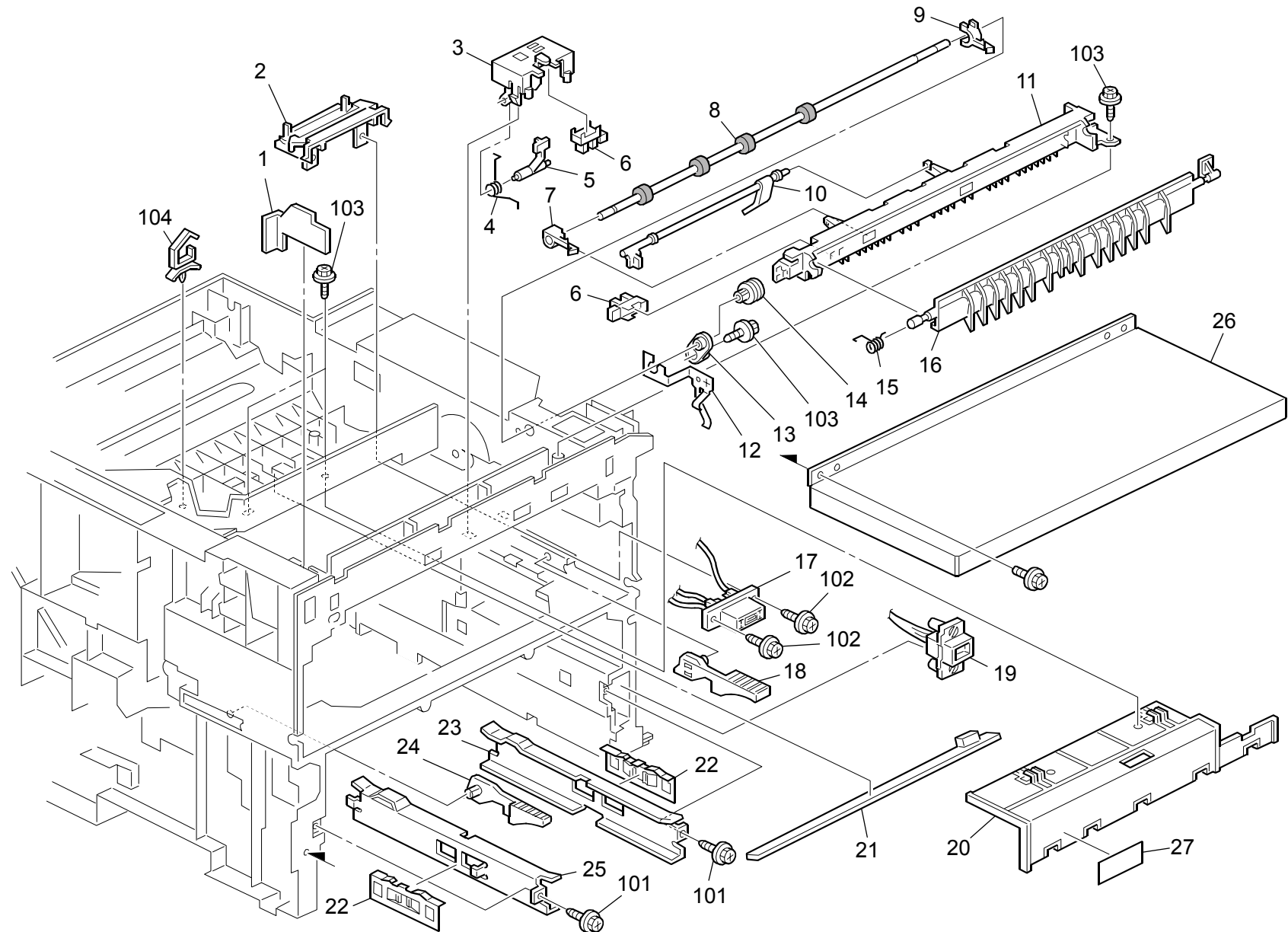


8.Fusing Unit 2 (G091/G116)

Index No.	Part No.	Description	Q'ty Per Assembly
1	G052 4673	Gear - Paper Exit	1
2	G800 4851	Bushing	2
3	G052 4674	Fusing Exit Roller	1
4	G052 4692	Discharge Brush - Pressure	1
5	G052 4691	Ground Plate - Fusing Pressure	1
6	G052 4676	Gear - Fusing Idler	1
7	G088 4693	Decal - High Temperature (G091-17/20/21/22/27)	1
7	G052 4693	Decal - High Temperature (G116-17/22/27)	1
8	G088 4664	Spring:Fusing:Pressure (G091-17/20/21/22/27/28)	2
8	G111 4062	Pressure Spring - Fusing (G116-17/22/27)	2
9	G111 4065	Pressure Roller Lever (G116-17/22/27)	2
9	G052 4662	Pressure Roller Lever (G091-17/20/21/22/27/28)	2
10	G052 4677	Gear - Fusing Idler	1
11	G052 4665	Bushing - Pressure Roller	2
12	G088 4656	Pressure Roller	1
13	G052 4681	Fusing Entrance Guide	1
14	G052 4650	Fusing Lower Frame	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	0450 3008N	Tapping Screw - M3x8	
102	0450 3010N	Tapping Screw - M3x10	

9. Paper Exit (G091/G116)



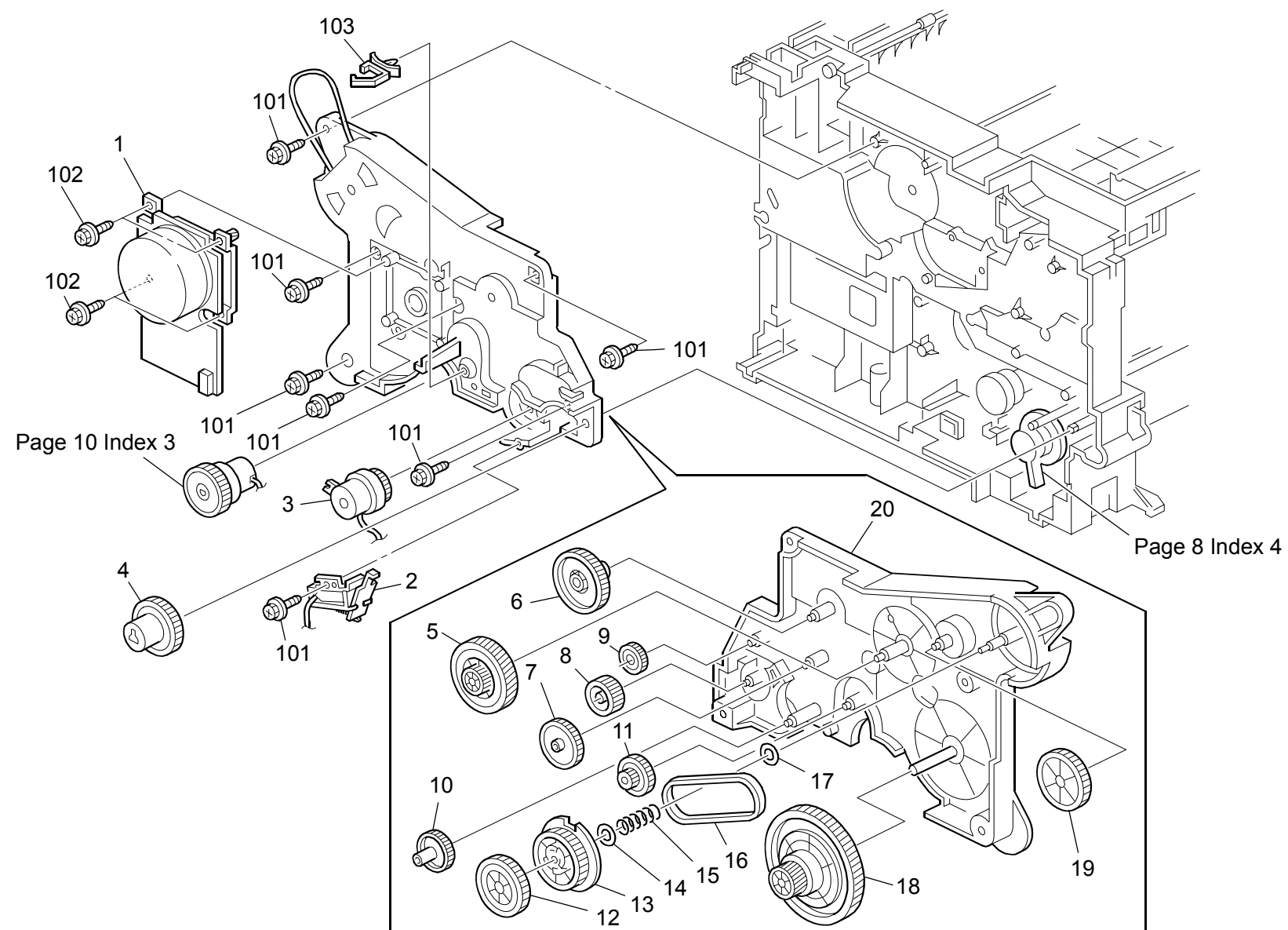
9.Paper Exit (G091/G116)



Index No.	Part No.	Description	Q'ty Per Assembly
1	G052 1274	Micro Switch Lever	1
2	G052 1056	Fusing Drawer Bracket	1
3	G052 1044	Exit Feeler Holder	1
4	G052 1046	Spring - Fusing Exit Feeler	1
5	G052 1042	Fusing Exit Feeler	1
6	GW02 0020	Photointerruptor:LG248NL1 (RoHs)	2
7	G800 4851	Bushing	1
8	G052 4850	Paper Exit Roller	1
9	G052 1048	Middle Bushing - Paper Exit	1
10	G052 1043	Paper Exit Feeler	1
11	G052 1041	Paper Exit Bracket	1
12	G052 1262	Ground Plate - Upper Option	1
13	G052 1049	Bushing - Paper Exit	1
14	G052 4855	Pulley - Paper Exit	1
15	G052 1088	Gate Pawl Spring	1
16	G052 1087	Junction Gate Pawl	1
17	G088 5423	Harness - Fusing (G091-17)	1
17	G116 5424	Harness:Fusing (G091-20/21/28)	1
17	G088 5424	Harness - Fusing (G091-21/28)	1
17	G111 5423	Harness - Fusing (G116-17)	1
17	G111 5424	Harness - Fusing (G116-22/27)	1
18	G052 4697	Left Fusing Lock Lever	1
19	G052 5414	Harness - Duplex (G091-17/22/27)	1
19	G111 5414	Harness - Option Duplex (G091-20/21/28, 116-17/22/27)	1
20	G052 1022	Fusing Stopper Plate	1
21	G111 3522	Discharge Lamp:P3 (RoHs)	1
22	G168 1048	Spring Plate:Rail:Duplex	2
23	G076 1026	Rail:Duplex:Left	1
24	G052 4696	Right Fusing Lock Lever	1
25	G076 1025	Right Duplex Guide Rail	1
26	G052 3111	Cover:Preventfence Sheet:Paper (G091-17/20/21/22/27)	1
26	G116 6651	Cover:Preventfence Sheet:Paper (G091-28, G116-17/22/27)	1

Index No.	Part No.	Description	Q'ty Per Assembly
27	GA00 0059	Decal:Warning:High Temperature (G116-17/22/27)	1
101	0450 3014N	Tapping Screw - M3x14	
102	0450 4010N	Tapping Screw:M4x10	
103	0450 3008N	Tapping Screw - M3x8	
104	1105 0310	Harness Clamp - LWS-1S	

10.Drine Section (G091/G116)

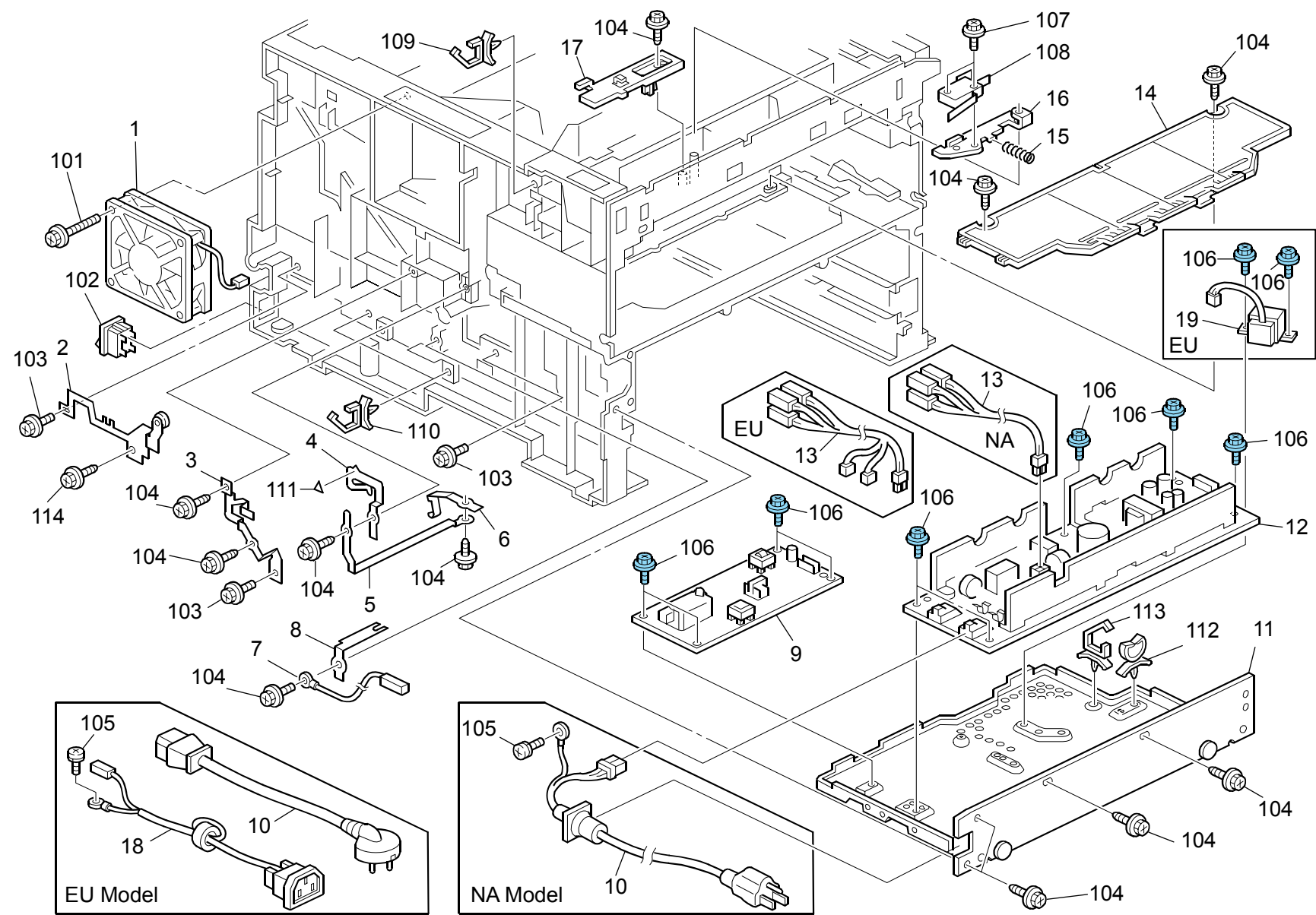


10.Drine Section (G091/G116)

Index No.	Part No.	Description	Q'ty Per Assembly
1	G128 1150	Brushless Motor:24V:20W (G091-17/20/21/22/27/28)(RoHs)	1
1	G111 1035	Brushless Motor:24V:20W (G116-17/22/27)(RoHs)	1
2	GX11 0019	Solenoid - DC24V (G091-17/20/21/22/27/28)	1
3	GX20 0027	Magnetic Clutch Relay:0.25N M:Z25 (G091-17/20/21/22/27/28, G116-17/22/27)	1
4	G088 3297	Spring Clutch:Manual Feed	1
5	G052 1104	Gear - Fusing 1	1
6	G052 1108	Gear - Paper Feed 1	1
7	G052 1109	Gear - Paper Feed 2	1
8	G052 1113	Gear - Paper Feed 6	1
9	G052 1112	Gear - Paper Feed 5	1
10	G052 1111	Gear - Paper Feed 4	1
11	G052 1110	Gear - Paper Feed 3	1
12	G052 1106	Gear - Fusing 3	1
13	G052 1107	Gear - Pulley - Fusing	1
14	5353 1803	Wave Washer	1
15	G052 1120	Spring - Paper Exit Release	1
16	G052 1121	Drive Belt	1
17	G052 1123	Spacer - Drive Unit	1
18	G168 1110	Gear:OPC:Ass'y	1
19	G052 1105	Gear - Fusing 2	1
20	M001 1122	Housing:Drive Unit	1
	G052 1102	X/O MB17	

Index No.	Part No.	Description	Q'ty Per Assembly
101	0450 3010N	Tapping Screw - M3x10	
102	0450 4010N	Tapping Screw:M4x10	
103	1105 0292	Wire Saddle	
104	0805 0089	Retaining Ring - M4	

11.Electrical Section 1 (G091/G116)

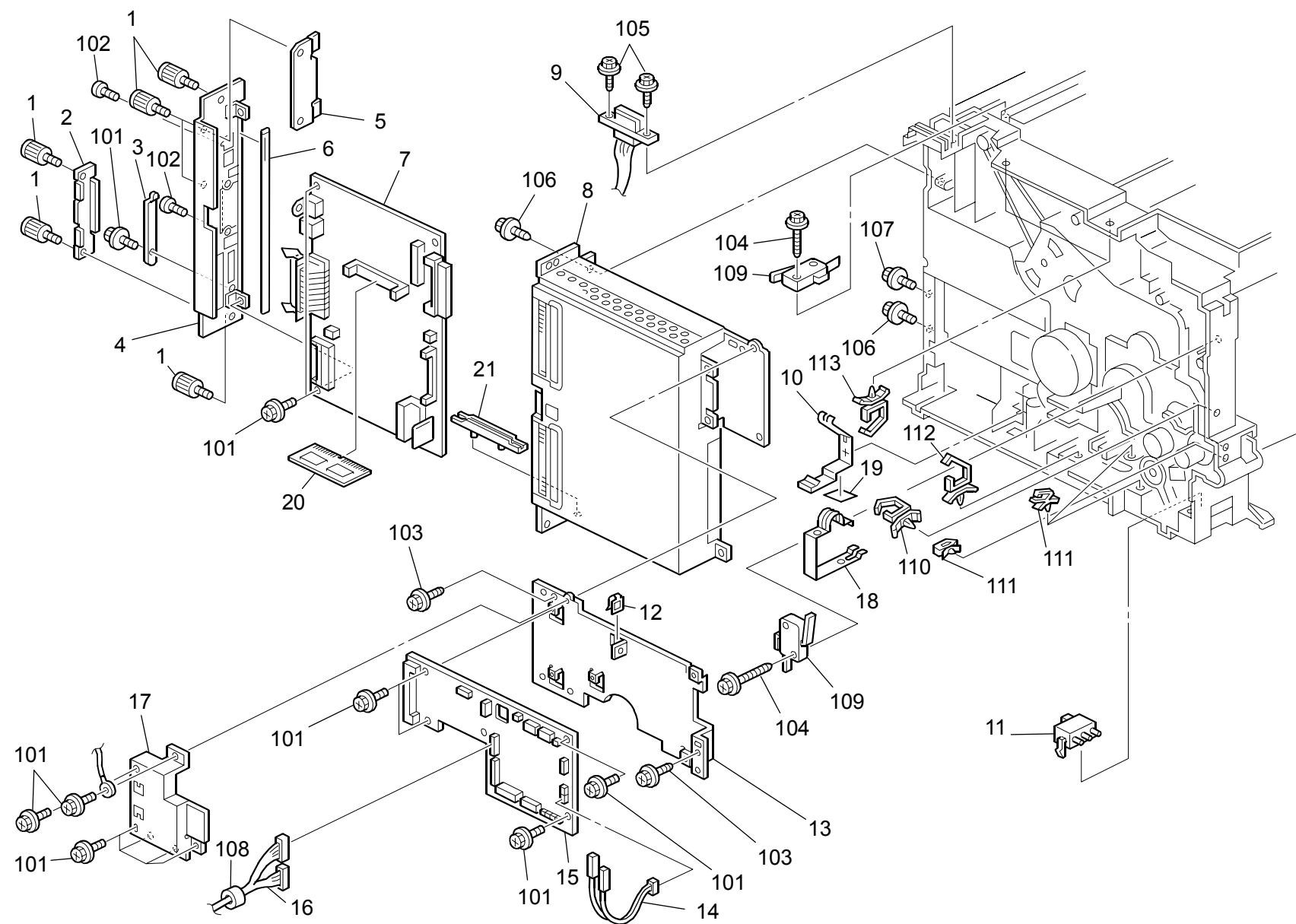


11.Electrical Section 1 (G091/G116)

Index No.	Part No.	Description	Q'ty Per Assembly
1	G088 5225	Fan Motor - DC 24V 4.32W (G091-17/20/21/22/27/28)	1
1	G111 1051	Fan Motor - DC 24V 4.32W (G116-17/22/27)	1
2	G052 3338	Ground Plate - Registration Guide	1
3	G052 1252	Drum Terminal	1
4	G052 1251	Charge Terminal	1
5	G052 1254	Inner Terminal - Charge	1
6	G052 1255	Charge Terminal - High Voltage	1
7	G111 5419	Harness - Power Pack	1
8	G052 3623	Transfer Terminal	1
9	G129 5300	Power Pack:BCT:RoHs	1
10	G052 5522	Power Cord - 120V	1
10	GZ00 0005	Power Cord - 230V (CHN)	1
10	G102 5502	Power Cord - 230V	1
11	G076 1221	PSU Bracket - 120V	1
11	G076 1224	PSU Bracket - 230V	1
12	G088 5210	Power Supply Unit:135W (G091-17)	1
12	G111 5211	Power Supply Unit:135W:RoHs (G091-22/27, 116-22/27)	1
12	G088 5214	Power Supply Unit 135W (G091-20/21/28)	1
12	G088 5212	Power Supply Unit:135W (G116-17)	1
12	G111 5211	Power Supply Unit:135W:RoHs (G091-22/27, 116-22/27)	1
13	G052 5409	Harness - Main Switch (G091-17)	1
13	G052 5422	Harness - Main SW 230V (G091-22/27)	1
13	G111 5409	Harness - Main Switch (G116-17)	1
13	G111 5422	Harness - Main Switch (G091-20/21/28, G116-22/27)	1
14	G052 1021	PSU Top Cover	1
15	G052 1273	Spring - Micro Switch	1
16	G052 1272	Rear Cover Sw Bracket	1
17	G052 1275	Micro Switch Cover	1
18	G076 5420	Inlet - 230V	1
19	G088 5310	Choke Coil	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	0450 4035N	Tapping Screw:M4x35	
102	1204 2477	Rocker Switch - AC250V 10A (G091-17/20/21/22/27/28)	
102	1204 2628	Switch 250V/10A (G116-17/22/27)	
103	0451 3006N	Tapping Screw - 3x6	
104	0450 3008N	Tapping Screw - M3x8	
105	0950 4006N	Screw - M4x6	
106	0454 3006Q	Tapping Screw With Washer - M3x6	
107	0451 3014N	Tapping Screw:M3x14	
108	1204 2521	Micro Switch	
109	1105 0511	Harness Clamp - LWS-0306ZC	
110	1105 0292	Wire Saddle	
111	1005 0890	Decal - TUV	
112	1105 0280	Wire Saddle	
113	1105 0310	Harness Clamp - LWS-1S	
114	0450 3010N	Tapping Screw - M3x10	
115	0451 3008N	Tapping Screw - M3x8	

12.Electrical Section 2 (G091/G116)



12.Electrical Section 2 (G091/G116)

Index No.	Part No.	Description	Q'ty Per Assembly
1	G093 6006	Knob Screw:M3	6
1	G104 5141	Knob Screw:M3 (RoHs)	6
2	G056 6005	HDD Cover	1
3	G072 6006	Cover:Card (G091-17/20/21/22/27/28)	1
3	G110 5103	Card Cover (G116-17/22/27)	1
4	G089 6001	Panel:Control Board (G091-20/21/28)	1
4	G116 5101	Panel:Control Board (G116-17/22/27)	1
5	G089 6006	Cover - Option	1
6	G089 5950	Gasket:65TS5-2CH	1
7	G091 5703	PCB:NIC (G091-17/22/27)	1
7	G116 5317	Controller Board (G116-17/22/27)	1
8	G076 1241	Controller Bracket	1
9	G052 5413	Harness - Paper Exit - Option (G091-17/22/27)	1
9	G091 5413	Harness:Exit:Option (G091-20/21/28)(RoHs)	1
9	G111 5413	Harness - Paper Exit (G116-17/22/27)	1
10	G052 1261	Ground Plate - Option Tray	1
11	G800 3035	Push SW - Paper Size	1
12	G052 1212	Clip	1
13	G076 1211	Engine Board Bracket	1
14	G175 5410	Safety Switch Harness	1
15	G088 5121	PCB EGB Ass'y (G091-17)	1
15	G088 5622	PCB EGB (G091-21/22/27)	1
15	G091 5622	PCB EGB (G091-20/28)	1
15	G111 5621	PCB EGB Ass'y (G116-17)(RoHs)	1
15	G111 5622	PCB EGB Ass'y (G116-22/27)(RoHs)	1
16	G088 5428	Harness - Power Source (G091-17)	1
16	G088 5421	Harness - Power Source (G091-22/27)	1
16	G111 5421	Harness - Power Source (G091-20/21/28, G116-22/27)	1
16	G111 5428	Harness - Power Source (G116-17)	1
17	G088 1216	Cover:EGB	1
18	G088 3064	Ground Spring Plate	1
19	G088 3065	Gasket:Ground Plate	1

Index No.	Part No.	Description	Q'ty Per Assembly
20	G331 5740	PCB:SDRAM-DIMM:128MB:PBF:Ass'y (G116-17/22/27)	1
21	G111 1055	Supporter	1
101	0451 3006N	Tapping Screw - 3x6	
102	0353 0040N	Screw M3x4 (RoHs)	
103	0450 3008N	Tapping Screw - M3x8	
104	0450 3016N	Tapping Screw - M3x16	
105	0450 3010N	Tapping Screw - M3x10	
106	0450 3008N	Tapping Screw - M3x8	
107	0451 4006N	Tapping Screw - M4x6	
108	1607 1071	Ferrite Core-NFR-201010	
109	1204 2521	Micro Switch	
110	1105 0516	Clamp	
111	1105 0511	Harness Clamp - LWS-0306ZC	
112	1105 0292	Wire Saddle	
113	1105 0310	Harness Clamp - LWS-1S	

13.Main Control Board - NA/EU (G091)

CAPACITOR

SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.
C1	163	---	---	---	---	---	---	---	---	---	---	---	---
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C3	163	C13	152	---	---	C43	163	---	---	---	---	---	---
C4	163	C14	162	---	---	C44	159	C54	160	---	---	C74	163
C5	163	C15	162	---	---	C45	160	C55	163	---	---	---	---
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C8	159	C18	163	C28	160	C48	160	C58	163	---	---	---	---
C9	159	C19	162	---	---	C49	160	C59	163	---	---	---	---
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CAPACITOR

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C81	147	C91	148	---	---	---	---	C191	161	C251	163	C261	165
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C88	163	---	---	---	---	C188	161	---	---	C258	165	C268	162
C89	163	C149	145	---	---	---	---	---	---	C259	165	C269	162
C90	148	---	---	---	---	C190	161	---	---	C260	165	C270	207

13.Main Control Board - NA/EU (G091)

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C271	162	---	---	C301	163	---	---	C321	160	---	---	C341	163
C272	158	---	---	---	---	C312	163	C322	150	---	---	C342	163
C273	147	---	---	C303	162	---	---	C323	162	C333	150	---	---
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C277	162	---	---	---	---	C316	162	---	---	---	---	---	---
C278	153	C298	160	---	---	C317	157	C328	150	C338	163	C348	150
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						C320	163						

CAPACITOR

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C351	163	---	---	C371	163	C391	163	C401	155	C411	146	C421	163
---	---	C362	163	C372	163	C392	163	---	---	C412	146	C422	163
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C354	163	C364	164	C374	160	C394	163	---	---	C414	163	C424	163
C355	163	C365	163	C375	151	C395	163	---	---	C415	163	C425	163
C356	163	---	---	C376	151	C396	163	C406	155	C416	163	C426	163
C357	163	C367	163	C377	163	---	---	---	---	C417	163	C427	163
C358	163	C368	163	C378	163	---	---	---	---	C418	163	C428	163
C359	163	C369	163	C379	163	---	---	---	---	C419	163	C429	163
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C431	163	C441	160	C451	145	C461	163	C471	163	C481	163	C491	160
C432	163	C442	159	---	---	C462	163	C472	163	C482	164	---	---
C433	163	---	---	C453	163	C463	160	C473	163	C483	163	C493	160
C434	163	C444	163	C454	163	C464	163	C474	163	C484	163	C494	160
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C437	163	---	---	C457	163	C467	159	C477	163	C487	160	C497	160
C438	160	---	---	C458	163	C468	163	C478	163	---	---	C498	163
C439	160	C449	163	C459	163	C469	163	C479	163	C489	160	C499	165
C440	160	C450	145	C460	163	C470	163	C480	157	---	---	C500	165

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C501	165	---	---	---	---	---	---	C591	163	---	---	CN1	102
C502	163	---	---	---	---	---	---	---	---	---	---	CN2	106
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C506	153	---	---	C576	163	---	---	C596	160	C2786	158	CN6	110
C507	153	C517	163	---	---	---	---	C597	160	---	---	CN7	108
C508	153	C518	163	---	---	---	---	C598	156	---	---	---	---
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C510	165	---	---	---	---	---	---	---	---	---	---	CN10	104

CONNECTOR

13.Main Control Board - NA/EU (G091)

CONNECTOR

SYMBOL NO.	INDEX NO.
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CN13	101
CN14	111
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CN16	107

DIODE

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D5	114

FIL

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FIL26	170
FIL27	168
FIL28	168
FIL29	167
FIL30	169
FIL31	169

IC

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HIC1	2
IC2	127
IC3	125
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IC5	1
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IC6	211
IC7	211
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IC20	129

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IC38	123
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IC47	119
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IC

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IC55	124
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IC57	130
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IC59	118
IC60	134

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IC61	131
IC62	133
IC63	122
IC64	210
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IC68	126
(SOCKET)	112
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IC77	128
IC78	120

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JP17	175
JP18	175
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JP45	176
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JP46	176
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JP57	174
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JP64	175
JP65	175
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JP68	176
JP69	176
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SYMBOL NO.	INDEX NO.
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JP72	176
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JP74	176
JP75	176

L

SYMBOL NO.	INDEX NO.
L1	171
L2	166

LED

SYMBOL NO.	INDEX NO.
LED1	116
LED2	117
LED3	115

OSC

SYMBOL NO.	INDEX NO.
OSC1	136
OSC2	137
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OSC4	138

RESISTOR

SYMBOL NO.	INDEX NO.
R1	187
R2	187
R3	187
R4	187
R5	187
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R6	187
R7	187
R8	187
R9	178
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SYMBOL NO.	INDEX NO.
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R18	179
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RESISTOR

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R37	187
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SYMBOL NO.	INDEX NO.
R41	184
R42	189
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R48	187
R49	187
R50	187

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R51	187
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R87	196
R88	196
R89	181
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R93	196
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R98	196
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R108	198
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R110	178

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R111	198
R112	179
R113	195
R114	198
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R116	184
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SYMBOL NO.	INDEX NO.
R121	184
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R123	187
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R139	191
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RESISTOR

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---	---	---	---	R171	187	---	---	---	---	---	---	---	---
---	---	---	---	R172	187	---	---	---	---	---	---	---	---
---	---	---	---	R173	187	---	---	---	---	---	---	---	---
---	---	R164	178	---	---	R184	179	R214	187	---	---	---	---
---	---	R165	178	---	---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---	---	R266	197	---	---
---	---	R167	188	---	---	---	---	---	---	---	---	---	---
---	---	R168	187	---	---	---	---	---	---	---	---	---	---
R159	187	R169	187	---	---	---	---	---	---	---	---	---	---
---	---	R170	187	---	---	---	---	R230	177	R270	197	---	---

RESISTOR

SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.
R281	187	---	---	R311	187	R321	192	---	---	R341	179	R351	192
---	---	R292	187	---	---	---	---	R332	204	---	---	R352	203
---	---	---	---	R313	185	---	---	R333	179	R343	202	R353	204
R284	187	---	---	R314	185	R324	192	---	---	---	---	---	---
R285	205	---	---	R315	203	R325	187	R335	201	---	---	R355	187
---	---	---	---	---	---	---	---	---	---	---	---	---	---
---	---	---	---	R316	181	R326	202	R336	182	---	---	---	---
---	---	---	---	R317	206	---	---	---	---	R347	187	R357	191
---	---	R308	187	R318	179	R328	179	---	---	---	---	R358	187
---	---	R309	178	R319	204	---	---	R339	201	R349	187	R359	186
R290	187	R310	189	R320	187	R330	179	---	---	---	---	R360	204

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RESISTOR

SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.
---	---	R371	179	R381	187	R391	183	R401	190	---	---	R421	178
R362	192	R372	179	R382	187	R392	186	R402	179	---	---	---	---
R363	179	---	---	R383	187	R393	179	R403	179	---	---	R423	178
R364	200	---	---	---	---	---	---	R404	179	---	---	---	---
R365	179	---	---	R385	187	---	---	R405	179	---	---	---	---
R366	179	R376	187	R386	187	---	---	R406	179	---	---	R426	179
R367	179	R377	187	---	---	---	---	R407	179	---	---	---	---
R368	179	R378	187	---	---	---	---	---	---	R418	178	R428	193
R369	178	R379	187	R389	179	R399	192	---	---	---	---	---	---
R370	179	R380	187	R390	179	R400	180	---	---	---	---	---	---

RESISTOR

SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.
R431	178	R441	179	R451	179	R461	187	R471	179	---	---	R501	187
R432	173	R442	179	---	---	R462	179	---	---	R482	178	R502	187
---	---	R443	179	R453	179	R463	179	---	---	---	---	R503	179
---	---	---	---	R454	178	---	---	---	---	---	---	R504	205
---	---	---	---	---	---	R465	187	---	---	---	---	---	---
R436	178	---	---	R456	178	---	---	R476	179	R496	178	---	---
R437	193	R447	187	---	---	R467	179	---	---	---	---	---	---
R438	179	R448	187	R458	179	---	---	---	---	R498	179	---	---
---	---	R449	187	R459	187	R469	179	---	---	---	---	---	---
---	---	R450	187	R460	179	---	---	---	---	---	---	---	---

13.Main Control Board - NA/EU (G091)

RESISTOR

SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.
R511	179	R521	187	---	---	R541	187	R551	194	R561	187	---	---
R512	178	R522	178	---	---	---	---	R552	194	R562	199	---	---
R513	178	R523	179	---	---	R543	194	---	---	R563	191	---	---
---	---	R524	---	---	---	---	---	---	---	R564	191	R574	179
R515	178	R525	179	---	---	---	---	---	---	---	---	R575	187
R516	178	---	---	R536	177	---	---	---	---	---	---	R576	179
R517	187	---	---	---	---	R547	194	---	---	R567	190	R577	179
R518	187	---	---	R538	187	---	---	R558	177	R568	190	R578	179
R519	187	---	---	R539	187	---	---	R559	177	---	---	R579	179
R520	187	---	---	R540	187	---	---	R560	187	R570	191	R580	187

RESISTOR

SYMBOL NO.	INDEX NO.
R581	187
R582	187
R583	187
R584	187
R585	187
R586	187
R587	187
R588	187
R589	187
R590	187

SYMBOL NO.	INDEX NO.
R591	187
R592	187
R593	187
R594	179
---	---
R596	179

REG

SYMBOL NO.	INDEX NO.
REG1	132
REG2	135

RN

SYMBOL NO.	INDEX NO.
RN1	142
---	---
---	---
---	---
---	---
---	---
---	---
RN10	142

SYMBOL NO.	INDEX NO.
RN11	142
RN12	142
RN13	142
RN14	142
---	---
RN16	142
RN17	142
RN18	142
---	---
---	---

SYMBOL NO.	INDEX NO.
---	---
---	---
---	---
RN24	142
RN25	142
RN26	142
RN27	142
RN28	142
RN29	142
RN30	142

SYMBOL NO.	INDEX NO.
---	---
---	---
---	---
---	---
RN65	144
---	---
---	---
---	---
---	---
---	---

13.Main Control Board - NA/EU (G091)

RN

SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.
---	---	---	---	---	---	---	---	RN111	142	RN121	142	RN131	142
RN72	140	RN82	144	RN92	142	---	---	RN112	139	RN122	142	RN132	142
RN73	140	RN83	142	---	---	---	---	RN113	139	RN123	142	RN133	142
RN74	140	RN84	142	---	---	---	---	RN114	139	RN124	142	RN134	142
---	---	RN85	142	---	---	---	---	RN115	139	RN125	142	RN135	142
---	---	RN86	142	---	---	---	---	RN116	142	RN126	142	---	---
---	---	---	---	---	---	---	---	RN117	142	---	---	RN137	142
---	---	---	---	---	---	---	---	RN118	142	---	---	RN138	142
---	---	---	---	---	---	---	---	RN119	142	RN129	142	RN139	142
RN80	142	---	---	RN100	144	RN110	142	RN120	142	RN130	142	RN140	143

RN

SYMBOL NO.	INDEX NO.
RN141	143
RN142	140
---	---
---	---
RN145	141
RN146	141
RN147	141
RN148	142
RN149	142

SW

SYMBOL NO.	INDEX NO.
SW2	113

T

SYMBOL NO.	INDEX NO.
T1	172

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Index No.	Part No.	Description	Q'ty Per Assembly
*	G091 5703	PCB:NIC (G091-17/22/27)	1
1	G089 5900	ASIC:Piccolo	1
2	G089 5902	Hybrid IC:D3144	1



Index No.	Part No.	Description	Q'ty Per Assembly
101	1102 4203	CT Header - 4P	
102	1102 7625	Connector - TX24-80R-LT-N1	
103	1102 7785	Connector - 57RE40360830BD29B	
104	1102 8329	Connector - USB - UBB-4R-D14C	
105	1102 8356	Connector - FX2MAB-44P	
106	1102 8357	Connector - 52777-0809	
107	1102 8685	Connector - IC Card	
108	1102 8829	Connector - DM-1D4-N3210	
109	1102 8832	Connector - DM-3D4-B3210	
110	1102 8989	Lan Connector	
111	1102 9349	Connector - DIMM	
112	1104 0558	IC Socket:SC-NSV0020-GT-16	
113	1204 1542	Dip Switch	
114	1401 0821	Diode - 1SS133	
115	1403 0953	LED - SML-310MT	
116	1403 0996	LED - SML-310VT	
117	1403 1033	LED - SML-310YT	
118	1407 2218	TTLIC - SN74LS06NS	
119	1407 5275	CMOS Logic - 74LVCHR16245A TSSOP	
120	1407 5327	CMOS Logic - 74LVC139A TSSOP	
121	1407 5337	CMOS Logic - 74LVCH16373A TSSOP	
122	1407 5351	IC - SN74LV14APW	
123	1407 5364	IC - SN74AHCT244PW	
124	1407 5523	Rom - I2C SOP 3V	
125	1407 5717	IC - ICS960001AF	
126	1407 5856	RAM - FM18I08-70-P	
127	1407 5861	CPU - TMPR4955BFG-300	
128	1407 5868	Ethernet Cont LSI - DP83847ALQA56A	
129	1407 5960	IC - SN74LVCZ161284ADGG	
130	1407 6062	USB2.0 - KL5BUDV003CCFP	
131	1408 1779	IC - R3112Q281A	
132	1408 1818	Series Regulator - LM1117MP-1.8	
133	1408 1825	IC - R3112Q121A	
134	1408 1838	IC - R3112Q431A	
135	1408 1864	Series Regulator - AIC1085-ADJCM	

Index No.	Part No.	Description	Q'ty Per Assembly
136	1503 0842	Oscillator - 14.31818MHz	
137	1503 0959	Crystal Oscillator - 25MHz	
138	1503 1138	Crystal Oscillator - 48MHz	
139	1601 7877	Resistor Array 4.7k Ω $\pm$ 5% 1/32W	
140	1601 7887	Resistor Array - 10K Ω $\pm$ 5% 1/32W	
141	1601 7896	Resistor Array - 56 Ω $\pm$ 5% 1/32W	
142	1601 7898	Resistor Array	
143	1601 7900	Resistor Array - 0 Ω $\pm$ 5%	
144	1601 7943	Resistor Array - 68 Ω $\pm$ 5% 1/32W	
145	1604 2362	Capacitor - 100 μ F $\pm$ 20% 25V	
146	1604 5135	Capacitor - 1000 μ F $\pm$ 20% 10V	
147	1604 5136	Capacitor - 680 μ F $\pm$ 20% 10V	
148	1605 0971	Ceramic Capacitor	
149	1605 1025	Capacitor - 1000pF $\pm$ 10% 2KV	
150	1605 1108	Capacitor - 0.01 μ F $\pm$ 10% 50V	
151	1605 1197	Capacitor - 6PF $\pm$ 0.5pF 50V	
152	1605 1199	Capacitor - 8PF $\pm$ 0.5pF 50V	
153	1605 1200	Capacitor - 10PF $\pm$ 0.5pF 50V	
154	1605 1202	Capacitor - 15pF $\pm$ 5% 50V	
155	1605 1205	Capacitor - 33pF $\pm$ 5% 50V	
156	1605 1209	Capacitor - 150pF $\pm$ 5% 50V	
157	1605 1214	Capacitor - 1000pF $\pm$ 10% 50V	
158	1605 1216	Capacitor - 2200pF $\pm$ 10%50V	
159	1605 1224	Capacitor 4.7 μ F $\pm$ 10% 6.3V	
160	1605 1228	Capacitor:0.1UF: $\pm$ 10%:25V	
161	1605 1238	Capacitor - 2.2 μ F $\pm$ 10% 6.3V	
162	1605 1240	Capacitor - 0.01 μ F $\pm$ 10% 25V	
163	1605 1289	Capacitor - 0.1 μ F $\pm$ 10% 10V	
164	1605 1295	Capacitor:10UF:+80-20%:10V	
165	1605 1305	Capacitor - 1 μ F+80-20% 6.3V	
166	1607 0551	Inductor - BLM32A07PB	
167	1607 1014	EMI Filter - BLM11P600SPB	
168	1607 1051	Filter -FBMJ2125HS420	
169	1607 1206	Filter - ACC2012L-250	
170	1607 1285	Filter NFM2012P13C105F	

Index No.	Part No.	Description	Q'ty Per Assembly
171	1607 1362	Coil - ACM3225-800-2P	
172	1607 1509	Transformer - TLA-6T118LF	
173	1610 1496	Resistor - 150 Ω $\pm$ 0.5%1/16W	
174	1610 1697	Resistor - 33 Ω $\pm$ 0.5%1/10W	
175	1632 0000	Resistor - 0 Ω 1/8W	
176	1634 0000	Resistor - 0 Ω 1/16W	
177	1650 4101	Resistor - 100 Ω $\pm$ 5%1/10W	
178	1650 4102	Resistor - 1K Ω $\pm$ 5% 1/10W	
179	1650 4103	Resistor - 10K Ω $\pm$ 5% 1/10W	
180	1650 4105	Resistor - 1M Ω $\pm$ 5% 1/10W	
181	1650 4122	Resistor - 1.2K Ω $\pm$ 5% 1/10W	
182	1650 4152	Resistor - 1.5K Ω $\pm$ 5% 1/10W	
183	1650 4153	Resistor - 15K Ω $\pm$ 5% 1/10W	
184	1650 4220	Chip Resistor - 22 Ω $\pm$ 5% 1/10W	
185	1650 4271	Resistor - 270 Ω $\pm$ 5%1/10W	
186	1650 4303	Resistor - 30K Ω $\pm$ 5% 1/10W	
187	1650 4330	Chip Resistor - 33 Ω $\pm$ 5% 1/10W	
188	1650 4331	Resistor - 330 Ω $\pm$ 5%1/10W	
189	1650 4470	Resistor - 47 Ω $\pm$ 5%1/10W	
190	1650 4471	Resistor - 470 Ω $\pm$ 5%1/10W	
191	1650 4472	Resistor - 4.7K Ω $\pm$ 5% 1/10W	
192	1650 4512	Resistor - 5.1K Ω $\pm$ 5%1/10W	
193	1650 4519	Resistor:5.1 Ω : $\pm$ 5%:1/10W	
194	1650 4560	Chip Resistor - 56 Ω $\pm$ 5% 1/10W	
195	1650 4562	Resistor - 5.6K Ω $\pm$ 5% 1/10W	
196	1650 4680	Resistor - 68 Ω $\pm$ 5%1/10W	
197	1650 4683	Resistor - 68K Ω $\pm$ 5% 1/10W	
198	1650 4820	Resistor - 82 Ω $\pm$ 5% 1/10W	
199	1650 4821	Chip Resistor - 820 Ω $\pm$ 5% 1/10W	
200	1654 1242	Resistor - 12.4K Ω $\pm$ 1% 1/10W	
201	1654 3909	Resistor - 39 Ω $\pm$ 1%1/10W	
202	1654 4999	Resistor - 49.9 Ω $\pm$ 1%1/10W	
203	1654 5499	Resistor - 54.9 Ω $\pm$ 1%1/10W	
204	1654 7509	Resistor - 75 Ω $\pm$ 1% 1/10W	
205	1654 8200	Resistor - 820 Ω $\pm$ 1%1/10W	

Index No.	Part No.	Description	Q'ty Per Assembly
206	1654 9311	Resistor - 9.31K Ω $\pm$ 1% 1/10W	
207	1660 0100	Capacitor - 10PF $\pm$ 0.5pF 50V	
208	1660 2101	Capacitor - 100pF - $\pm$ 10% - 50V	
209	1660 4102	Capacitor - 1000pF $\pm$ 10% 50V	
210	1906 0055	Flash Memory - LH28F128BFHT-PWTL80	
211	1907 0013	SDRAM:256M:4Mx16x4:133MHz:G1	

Index No.	Part No.	Description	Q'ty Per Assembly

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CAPACITOR

SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.
C1	153	---	---	---	---	---	---	---	---	---	---	C70	148
---	---	---	---	---	---	---	---	---	---	C52	151	---	---
C3	153	C13	144	---	---	---	---	C43	153	---	---	---	---
C4	153	C14	152	---	---	---	---	C44	150	C54	151	C74	153
C5	153	C15	152	---	---	---	---	C45	151	C55	153	---	---
---	---	C16	144	---	---	C36	151	---	---	C56	153	---	---
---	---	C17	152	C27	151	C37	151	---	---	C57	153	---	---
C8	150	C18	153	---	---	C38	151	C48	151	C58	153	---	---
C9	150	C19	152	---	---	---	---	C49	151	C59	153	---	---
---	---	---	---	---	---	C40	151	C50	151	C60	153	---	---

CAPACITOR

SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.
C81	140	C91	141	---	---	---	---	---	---	---	---	C191	154
---	---	C92	141	---	---	C152	153	---	---	---	---	---	---
---	---	C93	141	---	---	---	---	---	---	C183	156	---	---
---	---	---	---	---	---	---	---	---	---	C184	156	---	---
---	---	C95	153	---	---	---	---	C165	153	C185	156	---	---
---	---	---	---	---	---	---	---	C166	153	---	---	---	---
C87	148	---	---	---	---	---	---	---	---	---	---	---	---
C88	153	---	---	---	---	---	---	---	---	C188	154	---	---
C89	153	---	---	C149	138	---	---	---	---	---	---	---	---
C90	141	---	---	---	---	---	---	---	---	C190	154	---	---

14.Main Control Board - CHN (G091)

CAPACITOR

SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.
C251	153	C261	156	C271	152	---	---	C301	153	---	---	---	---
---	---	---	---	C272	149	---	---	---	---	C312	153	C322	142
---	---	---	---	C273	140	---	---	C303	152	---	---	C323	152
---	---	---	---	---	---	---	---	C304	149	C314	142	---	---
---	---	---	---	---	---	---	---	---	---	C315	153	C325	152
---	---	---	---	C276	149	---	---	---	---	C316	152	C326	142
C257	156	C267	138	C277	152	---	---	---	---	---	---	---	---
C258	156	C268	152	C278	145	C298	151	---	---	---	---	C328	142
C259	156	C269	152	C279	191	C299	153	---	---	---	---	---	---
C260	156	---	---	---	---	---	---	---	---	---	---	---	---

CAPACITOR

SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.
---	---	C351	153	---	---	---	---	---	---	C391	153	---	---
---	---	---	---	C362	153	---	---	---	---	C392	153	---	---
C333	142	---	---	C363	153	C373	192	---	---	C393	153	---	---
C334	142	C354	153	---	---	C374	151	---	---	C394	153	---	---
C335	142	C355	153	---	---	C375	143	C385	153	C395	153	---	---
---	---	C356	153	---	---	---	---	---	---	C396	153	---	---
C347	143	C357	153	---	---	C377	153	---	---	---	---	---	---
C348	142	C358	153	---	---	C378	153	C388	153	---	---	---	---
---	---	C359	153	---	---	C379	153	C389	153	---	---	---	---
---	---	C360	153	C370	153	---	---	---	---	---	---	C410	140

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CAPACITOR

SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.
C411	139	C421	153	C431	153	C441	151	C451	138	C461	153	C471	153
C412	139	C422	153	C432	153	C442	150	---	---	C462	153	C472	153
C413	153	---	---	C433	153	---	---	C453	153	C463	151	C473	153
C414	153	C424	153	C434	153	C444	153	C454	153	C464	153	C474	153
C415	153	C425	153	---	---	C445	153	C455	153	---	---	C475	153
C416	153	C426	153	---	---	C446	153	C456	153	C466	153	C476	153
C417	153	C427	153	C437	153	---	---	C457	153	C467	150	C477	153
C418	153	C428	153	C438	151	---	---	C458	153	C468	153	C478	153
C419	153	C429	153	C439	151	C449	153	C459	153	C469	153	C479	153
C420	153	C430	153	C440	151	C450	138	C460	153	C470	153	C480	148

CAPACITOR

SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.
C481	153	C491	151	C501	156	---	---	---	---	---	---	C591	153
C482	155	---	---	C502	153	---	---	---	---	---	---	---	---
C483	153	C493	151	---	---	---	---	---	---	---	---	C593	146
C484	153	C494	151	---	---	---	---	C574	153	---	---	C594	146
C485	151	C495	151	---	---	---	---	C575	153	---	---	---	---
---	---	C496	151	C506	145	---	---	C576	153	---	---	C596	151
C487	151	C497	151	C507	145	C517	153	---	---	---	---	C597	151
---	---	C498	153	C508	145	C518	153	---	---	---	---	C598	147
C489	151	C499	156	---	---	---	---	---	---	C589	153	C599	147
---	---	C500	156	C510	156	---	---	---	---	---	---	---	---

14.Main Control Board - CHN (G091)

CONNECTOR

SYMBOL NO.	INDEX NO.
CN1	102
CN2	106
---	---
CN4	105
CN5	109
---	---
CN7	108
---	---
CN9	103
CN10	104

DIODE

SYMBOL NO.	INDEX NO.
---	---
---	---
CN13	101
---	---
---	---
CN16	107

SYMBOL NO.	INDEX NO.
---	---
---	---
D3	111
---	---
D5	111

FIL

SYMBOL NO.	INDEX NO.
---	---
---	---
---	---
---	---
---	---
FIL26	159
FIL27	158
FIL28	158
FIL29	157
FIL30	162

SYMBOL NO.	INDEX NO.
FIL31	162

IC

SYMBOL NO.	INDEX NO.
IC1	2
IC2	122
IC3	119
---	---
IC5	1
---	---
IC6	194
IC7	194
---	---
---	---
---	---

SYMBOL NO.	INDEX NO.
---	---
---	---
---	---
---	---
IC15	116
---	---
---	---
---	---
---	---
IC20	123

IC

SYMBOL NO.	INDEX NO.
---	---
---	---
---	---
---	---
---	---
---	---
---	---
---	---
IC38	118
---	---

SYMBOL NO.	INDEX NO.
---	---
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---	---
---	---
---	---
---	---
IC47	114
---	---
---	---

SYMBOL NO.	INDEX NO.
---	---
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---	---
---	---
---	---
---	---
---	---
IC57	124
---	---
IC60	128

SYMBOL NO.	INDEX NO.
IC61	125
IC62	127
---	---
IC64	193
---	---
---	---
---	---
IC68	121
IC69	113
---	---

SYMBOL NO.	INDEX NO.
---	---
---	---
---	---
---	---
---	---
IC76	115
---	---
---	---
---	---
---	---

SYMBOL NO.	INDEX NO.
---	---
---	---
IC83	117
---	---
---	---
---	---
---	---
IC88	120

JP

SYMBOL NO.	INDEX NO.
---	---
---	---
---	---
---	---
---	---
---	---
JP17	164
JP18	164
JP19	164
---	---

14.Main Control Board - CHN (G091)

CAPACITOR

SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.
---	---	JP31	164	---	---	---	---	---	---	---	---	L1	160
JP22	164	---	---	---	---	---	---	---	---	JP72	165		
JP23	164	---	---	---	---	---	---	---	---	---	---		
---	---	---	---	---	---	---	---	---	---	---	---		
---	---	JP35	164	JP45	165	---	---	JP64	164	JP74	165		
								JP65	164	JP75	165		
JP26	164	JP36	164	JP46	165	---	---	---	---				
---	---	---	---	---	---	JP57	163	---	---				
---	---	JP38	164	---	---	---	---	---	---				
JP29	164	JP39	164	---	---	---	---	JP68	165				
JP30	164	---	---	---	---	---	---	JP69	165				
								---	---				

L

LED

SYMBOL NO.	INDEX NO.
LED1	112

OSC

RESISTOR

SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.
OSC1	130	R1	175	---	---	---	---	---	---	R41	173	R51	175
---	---	R2	175	---	---	---	---	---	---	R42	177	---	---
---	---	R3	175	---	---	---	---	---	---	---	---	---	---
OSC4	131	R4	175	---	---	---	---	---	---	---	---	---	---
		R5	175	---	---	R25	175	---	---	---	---	---	---
		R6	175	---	---	---	---	---	---	---	---	---	---
		R7	175	---	---	---	---	R37	175	---	---	---	---
		R8	175	R18	168	---	---	---	---	R48	175	---	---
		R9	167	---	---	---	---	---	---	R49	175	---	---
		---	---	---	---	---	---	---	---	R50	175	---	---

14.Main Control Board - CHN (G091)

RESISTOR

SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.
---	---	---	---	---	---	R111	186	R121	173	---	---	---	---
---	---	---	---	---	---	R112	168	---	---	---	---	---	---
---	---	R93	184	---	---	R113	183	R123	175	---	---	---	---
---	---	---	---	---	---	R114	186	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	R116	173	---	---	---	---	---	---
R87	184	---	---	---	---	---	---	---	---	---	---	---	---
R88	184	R98	184	R108	186	---	---	---	---	---	---	---	---
R89	170	---	---	---	---	---	---	---	---	R139	179	R159	175
---	---	---	---	R110	167	---	---	---	---	---	---	---	---

RESISTOR

SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.
---	---	---	---	---	---	---	---	R261	175	---	---	---	---
---	---	---	---	---	---	---	---	---	---	---	---	R292	175
---	---	---	---	---	---	---	---	---	---	---	---	---	---
R164	167	R184	168	R214	175	---	---	---	---	---	---	---	---
R165	167	---	---	---	---	---	---	---	---	R285	190	---	---
---	---	---	---	---	---	---	---	---	---	---	---	---	---
R167	176	---	---	---	---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	R268	185	---	---	---	---
---	---	---	---	---	---	---	---	R270	185	---	---	---	---
---	---	---	---	---	---	R230	166	---	---	R290	175	---	---

14.Main Control Board - CHN (G091)

RESISTOR

SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.
---	---	---	---	---	---	R111	186	R121	173	---	---	---	---
---	---	---	---	---	---	R112	168	---	---	---	---	---	---
---	---	R93	184	---	---	R113	183	R123	175	---	---	---	---
---	---	---	---	---	---	R114	186	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	R116	173	---	---	---	---	---	---
R87	184	---	---	---	---	---	---	---	---	---	---	---	---
R88	184	R98	184	R108	186	---	---	---	---	---	---	---	---
R89	170	---	---	---	---	---	---	---	---	R139	179	R159	175
---	---	---	---	R110	167	---	---	---	---	---	---	---	---

RESISTOR

SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.
---	---	---	---	---	---	---	---	R261	175	---	---	---	---
---	---	---	---	---	---	---	---	---	---	---	---	R292	175
---	---	---	---	---	---	---	---	---	---	---	---	---	---
R164	167	R184	168	R214	175	---	---	---	---	---	---	---	---
R165	167	---	---	---	---	---	---	---	---	R285	190	---	---
---	---	---	---	---	---	---	---	---	---	---	---	---	---
R167	176	---	---	---	---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	R268	185	---	---	---	---
---	---	---	---	---	---	---	---	R270	185	---	---	---	---
---	---	---	---	---	---	R230	166	---	---	R290	175	---	---

14.Main Control Board - CHN (G091)

RESISTOR

SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.
---	---	R311	175	---	---	---	---	R341	168	---	---
---	---	---	---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	R333	168	---	---	R363	168
---	---	---	---	---	---	---	---	---	---	R364	188
---	---	---	---	---	---	R335	189	---	---	R365	168
---	---	R316	170	---	---	R336	171	---	---	R366	168
---	---	---	---	---	---	---	---	---	---	R367	168
R308	175	R318	168	R328	168	---	---	---	---	R368	168
R309	167	---	---	---	---	R339	189	---	---	R369	167
R310	177	---	---	R330	168	---	---	R359	174	R370	168
								---	---		

RESISTOR

SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.
R371	168	R381	175	R391	172	R401	178	---	---	R421	167
R372	168	R382	175	R392	174	R402	168	---	---	---	---
---	---	R383	175	R393	168	R403	168	---	---	R423	167
---	---	---	---	---	---	R404	168	---	---	---	---
---	---	R385	175	---	---	R405	168	---	---	---	---
R376	175	R386	175	---	---	R406	168	---	---	R426	168
R377	175	---	---	---	---	R407	168	---	---	---	---
R378	175	---	---	---	---	---	---	R418	167	R428	181
R379	175	R389	168	R399	180	---	---	---	---	---	---
R380	175	R390	168	R400	169	---	---	---	---	---	---

14.Main Control Board - CHN (G091)

RESISTOR

SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.
R441	168	R451	168	R461	175	R471	168	---	---	---	---	R501	175
R442	168	---	---	R462	168	---	---	R482	167	---	---	R502	175
R443	168	R453	168	R463	168	---	---	---	---	---	---	R503	168
---	---	R454	167	---	---	---	---	---	---	---	---	R504	190
---	---	---	---	R465	175	---	---	---	---	---	---	---	---
---	---	R456	167	---	---	R476	168	---	---	R496	167	---	---
R447	175	---	---	R467	168	---	---	---	---	---	---	---	---
R448	175	R458	168	---	---	---	---	---	---	R498	168	---	---
R449	175	R459	175	R469	168	---	---	---	---	---	---	---	---
R450	175	R460	168	---	---	---	---	---	---	---	---	---	---

RESISTOR

SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.
R511	168	R521	175	---	---	R541	175	R551	182	R561	175	---	---
R512	167	R522	167	---	---	---	---	R552	182	R562	187	---	---
---	---	R523	168	---	---	R543	182	---	---	R563	179	---	---
---	---	---	---	---	---	---	---	---	---	R564	179	R574	168
R515	167	R525	168	---	---	---	---	---	---	---	---	R575	175
R516	167	---	---	R536	166	---	---	---	---	---	---	R576	168
---	---	---	---	---	---	R547	182	---	---	R567	178	R577	168
R518	175	---	---	R538	175	---	---	R558	166	R568	178	R578	168
R519	175	---	---	R539	175	---	---	R559	166	---	---	R579	168
R520	175	---	---	R540	175	---	---	R560	175	R570	179	R580	175

14.Main Control Board - CHN (G091)

RESISTOR

SYMBOL NO.	INDEX NO.
R581	175
R582	175
R583	175
R584	175
R585	175
R586	175
R587	175
R588	175
R589	175
R590	175

SYMBOL NO.	INDEX NO.
R591	175
R592	175
R593	175
R594	168
---	---
R596	168

REG

SYMBOL NO.	INDEX NO.
REG1	126
REG2	129

RN

SYMBOL NO.	INDEX NO.
RN1	135
---	---
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RN10	135

SYMBOL NO.	INDEX NO.
RN11	135
RN12	135
RN13	135
RN14	135
---	---
RN16	135
RN17	135
RN18	135
---	---
---	---

SYMBOL NO.	INDEX NO.
---	---
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---	---
RN24	135
RN25	135
RN26	135
RN27	135
RN28	135
RN29	135
RN30	135

SYMBOL NO.	INDEX NO.
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---	---
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---	---
---	---
RN60	135

RN

SYMBOL NO.	INDEX NO.
---	---
---	---
---	---
---	---
RN65	137
---	---
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---	---
---	---
---	---

SYMBOL NO.	INDEX NO.
---	---
RN72	133
RN73	133
RN74	133
---	---
---	---
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SYMBOL NO.	INDEX NO.
---	---
RN82	137
RN83	135
RN84	135
RN85	135
RN86	135
---	---
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SYMBOL NO.	INDEX NO.
---	---
RN92	135
---	---
---	---
---	---
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---	---
RN100	137

SYMBOL NO.	INDEX NO.
---	---
---	---
---	---
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---	---
---	---
---	---
RN110	135

SYMBOL NO.	INDEX NO.
RN111	135
RN112	132
RN113	132
RN114	132
RN115	132
---	---
RN117	135
RN118	135
RN119	135
RN120	135

SYMBOL NO.	INDEX NO.
RN121	135
RN122	135
RN123	135
RN124	135
RN125	135
---	---
---	---
RN128	135
RN129	135
RN130	135

14.Main Control Board - CHN (G091)

RN

SYMBOL NO.	INDEX NO.
RN131	135
RN132	135
RN133	135
RN134	135
RN135	135
---	---
RN137	135
RN138	135
RN139	135
RN140	136

SW

SYMBOL NO.	INDEX NO.
---	---
SW2	110

SYMBOL NO.	INDEX NO.
RN141	136
RN142	133
---	---
---	---
RN145	134
RN146	134
RN147	134
RN148	135
RN149	135

14.Main Control Board - CHN (G091)

Index No.	Part No.	Description	Q'ty Per Assembly
*	G091 5710	Controller Board (G091-20/21)	1
1	G089 5900	ASIC:Piccolo	1
2	G089 5902	Hybrid IC:D3144	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	1102 4203	CT Header - 4P	
102	1102 7625	Connector - TX24-80R-LT-N1	
103	1102 7785	Connector - 57RE40360830BD29B	
104	1102 8329	Connector - USB - UBB-4R-D14C	
105	1102 8356	Connector - FX2MAB-44P	
106	1102 8357	Connector - 52777-0809	
107	1102 8685	Connector - IC Card	
108	1102 8829	Connector - DM-1D4-N3210	
109	1102 8832	Connector - DM-3D4-B3210	
110	1204 1542	Dip Switch	
111	1401 0821	Diode - 1SS133	
112	1403 0996	LED - SML-310VT	
113	1407 2218	TTLIC - SN74LS06NS	
114	1407 5275	CMOS Logic - 74LVCHR16245A TSSOP	
115	1407 5327	CMOS Logic - 74LVC139A TSSOP	
116	1407 5337	CMOS Logic - 74LVCH16373A TSSOP	
117	1407 5351	IC - SN74LV14APW	
118	1407 5364	IC - SN74AHCT244PW	
119	1407 5717	IC - ICS960001AF	
120	1407 5856	RAM - FM18I08-70-P	
121	1104 0588	Dip Socket - 28P	
122	1407 5861	CPU - TMPR4955BFG-300	
123	1407 5960	IC - SN74LVCZ161284ADGG	
124	1407 6062	USB2.0 - KL5BUDV003CCFP	
125	1408 1779	IC - R3112Q281A	
126	1408 1818	Series Regulator - LM1117MP-1.8	
127	1408 1825	IC - R3112Q121A	
128	1408 1838	IC - R3112Q431A	
129	1408 1864	Series Regulator - AIC1085-ADJCM	
130	1503 0842	Oscillator - 14.31818MHz	
131	1503 1138	Crystal Oscilator - 48MHz	
132	1601 7877	Resistor Array 4.7k Ω $\pm$ 5% 1/32W	
133	1601 7887	Resistor Array - 10K Ω $\pm$ 5% 1/32W	
134	1601 7896	Resistor Array - 56 Ω $\pm$ 5% 1/32W	
135	1601 7898	Resistor Array	

Index No.	Part No.	Description	Q'ty Per Assembly
136	1601 7900	Resistor Array - 0 Ω $\pm$ 5%	
137	1601 7943	Resistor Array - 68 Ω $\pm$ 5% 1/32W	
138	1604 2362	Capacitor - 100 μ F $\pm$ 20% 25V	
139	1604 5135	Capacitor - 1000 μ F $\pm$ 20% 10V	
140	1604 5136	Capacitor - 680 μ F $\pm$ 20% 10V	
141	1605 1288	Capacitor - 220pF $\pm$ 5% 50V	
142	1660 4103	Capacitor - 10000pF - $\pm$ 10% - 50V	
143	1605 1197	Capacitor - 6PF $\pm$ 0.5pF 50V	
144	1605 1199	Capacitor - 8PF $\pm$ 0.5pF 50V	
145	1605 1200	Capacitor - 10PF $\pm$ 0.5pF 50V	
146	1605 1202	Capacitor - 15pF $\pm$ 5% 50V	
147	1605 1209	Capacitor - 150pF $\pm$ 5% 50V	
148	1605 1214	Capacitor - 1000pF $\pm$ 10% 50V	
149	1605 1216	Capacitor - 2200pF $\pm$ 10%50V	
150	1605 1224	Capacitor 4.7 μ F $\pm$ 10% 6.3V	
151	1605 1353	Capacitor - 0.1 μ F $\pm$ 10% 25V	
152	1605 1240	Capacitor - 0.01 μ F $\pm$ 10% 25V	
153	1605 1289	Capacitor - 0.1 μ F $\pm$ 10% 10V	
154	1605 1291	Capacitor:2.2UF: $\pm$ 10%:10V	
155	1605 1295	Capacitor:10UF:+80-20%:10V	
156	1605 1305	Capacitor - 1 μ F+80-20% 6.3V	
157	1607 1014	EMI Filter - BLM11P600SPB	
158	1607 1051	Filter -FBMJ2125HS420	
159	1607 1285	Filter NFM2012P13C105F	
160	1607 1362	Coil - ACM3225-800-2P	
161	1610 1794	Resistor - 150 Ω $\pm$ 0.5% 1/10W	
162	1607 1568	Filter - MPZ2012S300A	
163	1610 1795	Resistor - 33 Ω $\pm$ 0.5% 1/10W	
164	1632 0000	Resistor - 0 Ω 1/8W	
165	1634 0000	Resistor - 0 Ω 1/16W	
166	1650 4101	Resistor - 100 Ω $\pm$ 5%1/10W	
167	1650 4102	Resistor - 1K Ω $\pm$ 5% 1/10W	
168	1650 4103	Resistor - 10K Ω $\pm$ 5% 1/10W	
169	1650 4105	Resistor - 1M Ω $\pm$ 5% 1/10W	
170	1650 4122	Resistor - 1.2K Ω $\pm$ 5% 1/10W	

Index No.	Part No.	Description	Q'ty Per Assembly
171	1650 4152	Resistor - 1.5K Ω $\pm$ 5% 1/10W	
172	1650 4153	Resistor - 15K Ω $\pm$ 5% 1/10W	
173	1650 4220	Chip Resistor - 22 Ω $\pm$ 5% 1/10W	
174	1650 4303	Resistor - 30K Ω $\pm$ 5% 1/10W	
175	1650 4330	Chip Resistor - 33 Ω $\pm$ 5% 1/10W	
176	1650 4331	Resistor - 330 Ω $\pm$ 5%1/10W	
177	1650 4470	Resistor - 47 Ω $\pm$ 5%1/10W	
178	1650 4471	Resistor - 470 Ω $\pm$ 5%1/10W	
179	1650 4472	Resistor - 4.7K Ω $\pm$ 5% 1/10W	
180	1650 4512	Resistor - 5.1K Ω $\pm$ 5%1/10W	
181	1650 4519	Resistor:5.1 Ω : $\pm$ 5%:1/10W	
182	1650 4560	Chip Resistor - 56 Ω $\pm$ 5% 1/10W	
183	1650 4562	Resistor - 5.6K Ω $\pm$ 5% 1/10W	
184	1650 4680	Resistor - 68 Ω $\pm$ 5%1/10W	
185	1650 4683	Resistor - 68K Ω $\pm$ 5% 1/10W	
186	1650 4820	Resistor - 82 Ω $\pm$ 5% 1/10W	
187	1650 4821	Chip Resistor - 820 Ω $\pm$ 5% 1/10W	
188	1654 1242	Resistor - 12.4K Ω $\pm$ 1% 1/10W	
189	1654 3909	Resistor - 39 Ω $\pm$ 1%1/10W	
190	1654 8200	Resistor - 820 Ω $\pm$ 1%1/10W	
191	1660 0100	Capacitor - 10PF $\pm$ 0.5pF 50V	
192	1660 2101	Capacitor - 100pF - $\pm$ 10% - 50V	
193	1906 0055	Flash Memory - LH28F128BFHT-PWTL80	
194	1907 0013	SDRAM:256M:4Mx16x4:133MHz:G1	

15.Main Control Board (G116)

CAPACITOR

SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.
C1	160	---	---	C21	168	C31	160	C41	216	C51	150	---	---
C2	168	C12	160	C22	160	C32	160	C42	150	C52	216	---	---
---	---	C13	160	C23	160	---	---	C43	161	C53	215	---	---
C4	160	C14	168	C24	160	C34	146	C44	160	C54	151	---	---
C5	160	C15	148	C25	160	C35	160	C45	160	C55	167	---	---
C6	160	C16	160	---	---	C36	158	C46	161	C56	167	C66	160
C7	147	C17	157	---	---	C37	160	C47	160	C57	167	C67	160
C8	147	C18	160	C28	160	C38	160	C48	160	---	---	---	---
---	---	C19	157	C29	160	C39	151	C49	160	---	---	C69	160
---	---	C20	160	C30	158	C40	215	C50	161	---	---	C70	160

CAPACITOR

SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.
---	---	C81	150	C91	160	C101	160	---	---	C121	164	C131	161
C72	146	C82	161	C92	160	C102	151	---	---	C122	164	C132	161
C73	146	C83	165	C93	160	C103	215	---	---	C123	145	C133	160
---	---	C84	217	C94	160	C104	216	---	---	C124	164	C134	160
---	---	C85	158	C95	160	C105	150	---	---	C125	160	C135	160
C76	160	C86	161	C96	160	C106	161	---	---	C126	164	C136	160
C77	151	C87	160	C97	160	C107	160	---	---	C127	160	C137	160
C78	146	C88	160	C98	160	C108	167	C118	164	---	---	C138	160
C79	215	C89	160	C99	160	C109	167	C119	164	---	---	C139	160
C80	216	C90	160	C100	160	---	---	C120	145	---	---	C140	160

15.Main Control Board (G116)

CAPACITOR

SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.
C141	160	C151	216	C161	214	C171	164	C181	164	C191	166	C201	148
C142	160	C152	216	C162	214	C172	155	C182	164	C192	166	C202	160
C143	160	C153	214	C163	216	C173	164	C183	160	C193	160	C203	160
C144	154	C154	214	C164	216	C174	155	C184	160	C194	160	C204	160
C145	154	C155	214	C165	216	C175	164	C185	160	C195	148	C205	161
---	---	C156	214	C166	216	C176	164	C186	159	C196	160	C206	160
C147	153	---	---	---	---	C177	164	C187	159	C197	160	C207	164
C148	154	---	---	---	---	C178	164	C188	159	C198	160	C208	158
C149	216	C159	214	C169	153	C179	164	C189	160	C199	160	C209	165
C150	216	C160	214	C170	153	C180	164	C190	166	C200	160	C210	164

CAPACITOR

SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.
C211	164	---	---	C231	167	C241	164	C251	160	C261	160	C271	160
C212	164	---	---	---	---	C242	160	C252	163	C262	160	C272	160
C213	164	---	---	---	---	C243	158	C253	163	C263	158	C273	162
C214	160	---	---	C234	164	C244	164	C254	163	C264	160	C274	162
C215	164	---	---	C235	164	C245	158	C255	163	C265	158	C275	162
C216	164	C226	160	C236	164	C246	160	C256	153	C266	160	C276	162
C217	164	C227	164	C237	152	C247	160	C257	153	C267	160	C277	162
C218	164	C228	156	C238	152	C248	160	C258	160	C268	160	C278	162
C219	149	C229	160	C239	160	C249	164	C259	160	C269	160	C279	160
---	---	C230	164	C240	160	C250	164	C260	160	C270	160	C280	162

15.Main Control Board (G116)

CAPACITOR

SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.
C281	162	C291	160	C301	160	---	---	C321	161	C331	160	C341	160
C282	162	C292	160	C302	160	C312	151	C322	161	C332	160	C342	160
C283	162	C293	160	C303	160	C313	160	---	---	C333	160	C343	160
C284	162	C294	160	C304	166	C314	151	---	---	C334	160	C344	160
C285	160	C295	160	C305	160	C315	215	---	---	C335	160	C345	160
C286	160	C296	160	---	---	C316	215	C326	160	C336	160	C346	160
C287	160	C297	160	---	---	---	---	C327	160	C337	160	C347	160
C288	159	C298	160	---	---	C318	216	C328	160	C338	160	C348	160
C289	160	C299	160	C309	160	C319	216	C329	160	C339	160	C349	160
C290	160	C300	160	---	---	---	---	C330	160	C340	160	C350	160

CAPACITOR

SYMBOL NO.	INDEX NO.
C351	160
C352	160
C353	160

CONNECTOR

SYMBOL NO.	INDEX NO.
CN1	102
CN2	106
---	---
CN4	105
CN5	107
CN6	108
---	---
---	---
CN9	103
CN10	104

SYMBOL NO.	INDEX NO.
---	---
---	---
CN13	101
---	---
CN15	109
CN16	109

DIODE

SYMBOL NO.	INDEX NO.
D1	112
D2	112
D3	112
D4	112

FILTER

SYMBOL NO.	INDEX NO.
FIL1	172
FIL2	172
FIL3	172
FIL4	171
FIL5	169
FIL6	170
FIL7	170

HIC

SYMBOL NO.	INDEX NO.
HIC1	2

IC

SYMBOL NO.	INDEX NO.
IC1	116
IC2	118
IC3	117
---	---
IC5	130
IC6	119
IC7	218
IC8	123
IC9	124
IC10	1

15.Main Control Board (G116)

IC

SYMBOL NO.	INDEX NO.
---	---
---	---
---	---
---	---
---	---
IC16	219
IC17	120
---	---
---	---
IC20	122

SYMBOL NO.	INDEX NO.
IC21	121
---	---
IC23	131
IC24	125
IC25	128
IC26	134
IC27	133
IC28	137
IC29	127
IC30	126

SYMBOL NO.	INDEX NO.
IC31	136
IC32	129
ICS5	110

JP

SYMBOL NO.	INDEX NO.
---	---
---	---
---	---
JP4	180
JP5	179
---	---
JP7	179
JP8	179
---	---
---	---

SYMBOL NO.	INDEX NO.
JP11	179
JP12	179
JP13	179
JP14	179
JP15	179
---	---
---	---
JP18	179
---	---
---	---

L

SYMBOL NO.	INDEX NO.
L1	172
---	---
---	---
L4	174

LED

SYMBOL NO.	INDEX NO.
LED1	114
LED2	115
LED3	113

OSC

SYMBOL NO.	INDEX NO.
OSC1	138
OSC2	140
OSC3	139

RESISTOR

SYMBOL NO.	INDEX NO.
---	---
R2	193
R3	193
R4	193
---	---
---	---
R6	194
R7	213
R8	204
R9	195
R10	196

SYMBOL NO.	INDEX NO.
R11	195
R12	196
---	---
R14	196
---	---
R16	183
R17	193
R18	193
R19	182
R20	184

SYMBOL NO.	INDEX NO.
R21	184
R22	182
R23	202
R24	202
R25	193
---	---
R26	193
---	---
R28	201
---	---
R30	193

SYMBOL NO.	INDEX NO.
R31	196
R32	184
R33	184
R34	184
R35	193
---	---
R36	184
R37	184
R38	193
R39	193
R40	193

SYMBOL NO.	INDEX NO.
R41	193
R42	193
R43	193
R44	193
R45	193
---	---
R46	193
R47	193
R48	193
R49	193
R50	193

SYMBOL NO.	INDEX NO.
R51	193
R52	193
R53	193
---	---
---	---
R56	183
R57	183
---	---
R59	208
R60	178

SYMBOL NO.	INDEX NO.
R61	180
R62	206
---	---
R64	183
R65	200
---	---
R66	200
R67	193
R68	183
---	---
---	---

15.Main Control Board (G116)

RESISTOR

SYMBOL NO.	INDEX NO.
---	---
---	---
R73	184
R74	184
R75	184
R76	193
R77	193
R78	190
---	---
---	---

SYMBOL NO.	INDEX NO.
R81	193
R82	193
R83	193
---	---
---	---
---	---
---	---
R88	184
R89	184
R90	184

SYMBOL NO.	INDEX NO.
R91	184
R92	193
R93	184
R94	181
R95	181
R96	190
R97	181
R98	190
R99	181
R100	196

SYMBOL NO.	INDEX NO.
R101	180
R102	180
---	---
R104	180
R105	180
R106	190
R107	190
---	---
R109	187
R110	184

SYMBOL NO.	INDEX NO.
R111	193
R112	183
R113	183
---	---
---	---
---	---
R117	190
R118	193
R119	193
R120	193

RESISTOR

SYMBOL NO.	INDEX NO.
R121	184
R122	183
R123	183
R124	180
R125	180
R126	180
R127	193
R128	193
R129	193
R130	193

SYMBOL NO.	INDEX NO.
R131	182
R132	183
---	---
R134	183
R135	184
R136	183
R137	184
R138	183
R139	186
R140	193

RESISTOR

SYMBOL NO.	INDEX NO.
R141	201
R142	201
R143	201
R144	201
R145	197
R146	197
R147	193
R148	197
R149	191
R150	205

SYMBOL NO.	INDEX NO.
R151	211
R152	211
R153	191
R154	212
R155	212
R156	212
R157	212
R158	210
R159	210
R160	180

SYMBOL NO.	INDEX NO.
R161	180
R162	180
R163	180
R164	193
R165	184
R166	193
R167	184
R168	193
R169	192
R170	189

SYMBOL NO.	INDEX NO.
R171	209
R172	209
R173	188
R174	195
R175	185
R176	201
R177	184
R178	184
R179	201
---	---

SYMBOL NO.	INDEX NO.
R181	201
R182	184
R183	201
R184	201
R185	201
R186	201
R187	184
R188	201
R189	201
R190	201

SYMBOL NO.	INDEX NO.
R191	201
R192	201
R193	184
R194	201
R195	184
R196	201
R197	201
R198	184
---	---
---	---

SYMBOL NO.	INDEX NO.
R201	183
R202	184
R203	184
R204	184
R205	184
R206	184
R207	184
R208	193
R209	193
R210	193

15.Main Control Board (G116)

RESISTOR

SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.
R211	193	R221	197	R231	183	R241	193	R251	184	R261	193	---	---
R212	184	R222	207	R232	183	R242	193	R252	181	R262	193	---	---
R213	184	R223	184	R233	184	R243	193	R253	181	R263	193	---	---
R214	193	R224	183	---	---	R244	193	R254	181	R264	193	---	---
R215	193	R225	184	---	---	R245	193	R255	181	---	---	R275	183
R216	184	R226	184	R236	193	R246	183	R256	181	---	---	R276	183
R217	184	R227	201	---	---	---	---	---	---	---	---	R277	198
R218	188	R228	184	R238	193	R248	181	R258	193	---	---	R278	198
R219	197	R229	183	R239	193	R249	181	R259	193	R269	193	R279	198
R220	186	R230	183	R240	193	R250	181	R260	193	R270	193	R280	198

RESISTOR

SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.
R281	183	R291	193	R301	184	R311	193	REG1	132	RN1	141	RN11	141
R282	184	R292	184	R302	203	R312	193	REG2	132	RN2	177	RN12	144
R283	184	R293	193	R303	183	R313	184	REG3	135	RN3	141	RN13	143
R284	184	R294	193	R304	203	R314	193			RN4	141	RN14	143
R285	184	R295	193	R305	199	R315	203			RN5	141	RN15	143
R286	184	R296	193	R306	203	---	---			RN6	143	RN16	143
R287	193	---	---	---	---	---	---			RN7	143	RN17	142
R288	193	---	---	R308	184	R318	180			RN8	141	RN18	142
R289	193	---	---	---	---	R319	193			RN9	141	RN19	142
---	---	---	---	R310	193					RN10	141	RN20	143

15.Main Control Board (G116)

RN

SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.
RN21	143	RN31	176	RN41	175	RN51	142	RN62	144	SW1	111	T1	173
RN22	143	RN32	176	RN42	175	---	---	RN63	144				
RN23	143	---	---	RN43	175	---	---	RN64	143				
RN24	143	RN34	142	RN44	175	---	---	RN65	143				
RN25	143	RN35	143	RN45	175	RN55	143						
						RN56	143	RN66	143				
RN26	143	---	---	RN46	176	RN57	143	RN67	143				
RN27	143	RN37	143	RN47	143	RN58	141	RN68	177				
RN28	143	RN38	143	---	---	RN59	177						
RN29	143	---	---	RN49	143	RN60	143						
RN30	176	---	---	RN50	143	RN61	143						

15.Main Control Board (G116)

Index No.	Part No.	Description	Q'ty Per Assembly
*	G116 5317	Controller Board (G116-17/22/27)	1
1	G089 5900	ASIC:Piccolo	1
2	G089 5902	Hybrid IC:D3144	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	1102 4203	CT Header - 4P	
102	1102 7625	Connector - TX24-80R-LT-N1	
103	1102 7785	Connector - 57RE40360830BD29B	
104	1102 8329	Connector - USB - UBB-4R-D14C	
105	1102 8356	Connector - FX2MAB-44P	
106	1102 8357	Connector - 52777-0809	
107	1102 8832	Connector - DM-3D4-B3210	
108	1102 8989	Lan Connector	
109	1102 9336	Connector:FPS009-2300-0	
110	1104 0764	IC Socket - 8 PIN	
111	1204 1542	Dip Switch	
112	1401 0821	Diode - 1SS133	
113	1403 0953	LED - SML-310MT	
114	1403 0996	LED - SML-310VT	
115	1403 1033	LED - SML-310YT	
116	1407 2218	TTLIC - SN74LS06NS	
117	1407 4919	IC - 74VHCT244 TSSOP	
118	1407 4920	IC - 74VHCT245	
119	1407 5337	CMOS Logic - 74LVCH16373A TSSOP	
120	1407 5351	IC - SN74LV14APW	
121	1407 5353	IC - SN74LV244APW	
122	1407 5361	IC - 74LVC157A TSSOP	
123	1407 5501	IC SN74LV273APW	
124	1407 5523	Rom - I2C SOP 3V	
125	1407 5717	IC - ICS960001AF	
126	1407 5868	Ethernet Cont LSI - DP83847ALQA56A	
127	1407 5960	IC - SN74LVCZ161284ADGG	
128	1407 6062	USB2.0 - KL5BUDV003CCFP	
129	1407 6201	CMOS Logic SN74LVC1G125DCK	
130	1407 6465	RAM:FM25L256-PG(REV.AG)	
131	1407 6251	CPU:TMPR4955CFG-400	
132	1408 1664	Series Regulator:LM1117MP-ADJ/NOPB	
133	1408 1778	IC:R3112Q101A	
134	1408 1779	IC - R3112Q281A	
135	1408 1818	Series Regulator - LM1117MP-1.8	

Index No.	Part No.	Description	Q'ty Per Assembly
136	1408 1825	IC - R3112Q121A	
137	1408 1838	IC - R3112Q431A	
138	1503 0842	Oscillator - 14.31818MHz	
139	1503 1138	Crystal Oscilator - 48MHz	
140	1503 1239	Crystal Oscilator:25MHz	
141	1601 7887	Resistor Array - 10K Ω $\pm$ 5% 1/32W	
142	1601 7896	Resistor Array - 56 Ω $\pm$ 5% 1/32W	
143	1601 7898	Resistor Array	
144	1601 7943	Resistor Array - 68 Ω $\pm$ 5% 1/32W	
145	1604 2362	Capacitor - 100 μ F $\pm$ 20% 25V	
146	1604 4683	Capacitor - 100UF $\pm$ 20% 10V	
147	1604 5135	Capacitor - 1000 μ F $\pm$ 20% 10V	
148	1604 5136	Capacitor - 680 μ F $\pm$ 20% 10V	
149	1605 1025	Capacitor - 1000pF $\pm$ 10% 2KV	
150	1605 1160	Capacitor:0.22UF:+80-20%:16V	
151	1605 1186	Ceramic Capacitor:220pF: $\pm$ 10%:50V	
152	1605 1198	Capacitor - 7PF: $\pm$ 0.5pF:50V	
153	1605 1200	Capacitor - 10PF $\pm$ 0.5pF 50V	
154	1605 1202	Capacitor - 15pF $\pm$ 5% 50V	
155	1605 1205	Capacitor - 33pF $\pm$ 5% 50V	
156	1605 1208	Capacitor:100pF: $\pm$ 5%:50V	
157	1605 1209	Capacitor - 150pF $\pm$ 5% 50V	
158	1605 1214	Capacitor - 1000pF $\pm$ 10% 50V	
159	1605 1216	Capacitor - 2200pF $\pm$ 10%:50V	
160	1605 1221	Capacitor - 0.1UF+80-20%16V	
161	1605 1224	Capacitor 4.7 μ F $\pm$ 10% 6.3V	
162	1605 1240	Capacitor - 0.01 μ F $\pm$ 10% 25V	
163	1605 1288	Capacitor - 220pF $\pm$ 5% 50V	
164	1605 1289	Capacitor - 0.1 μ F $\pm$ 10% 10V	
165	1605 1295	Capacitor:10UF:+80-20%:10V	
166	1605 1303	Capacitor - 0.01 μ F+80-20% 50V	
167	1605 1305	Capacitor - 1 μ F+80-20% 6.3V	
168	1605 1307	Capacitor - 2.2 μ F+80-20% 11V	
169	1607 1014	EMI Filter - BLM11P600SPB	
170	1607 1051	Filter -FBMJ2125HS420	

Index No.	Part No.	Description	Q'ty Per Assembly
171	1607 1285	Filter NFM2012P13C105F	
172	1607 1351	Filter BLM21PG221SN1B	
173	1607 1509	Transformer - TLA-6T118LF	
174	1607 1637	Coil:ACM2012-900-2P	
175	1609 0005	Registor:33 Ω : $\pm$ 5%:1/16W	
176	1609 0011	Registor:22 Ω : $\pm$ 5%:1/16W	
177	1609 0020	Registor:10 Ω : $\pm$ 5%:1/16W	
178	1610 1795	Resistor - 33 Ω $\pm$ 0.5% 1/10W	
179	1632 0000	Resistor - 0 Ω 1/8W	
180	1634 0000	Resistor - 0 Ω 1/16W	
181	1650 4100	Resistor - 10 Ω $\pm$ 5% 1/10W	
182	1650 4101	Resistor - 100 Ω $\pm$ 5%1/10W	
183	1650 4102	Resistor - 1K Ω $\pm$ 5% 1/10W	
184	1650 4103	Resistor - 10K Ω $\pm$ 5% 1/10W	
185	1650 4105	Resistor - 1M Ω $\pm$ 5% 1/10W	
186	1650 4122	Resistor - 1.2K Ω $\pm$ 5% 1/10W	
187	1650 4150	Resistor - 15 Ω $\pm$ 5% 1/10W	
188	1650 4152	Resistor - 1.5K Ω $\pm$ 5% 1/10W	
189	1650 4153	Resistor - 15K Ω $\pm$ 5% 1/10W	
190	1650 4220	Chip Resistor - 22 Ω $\pm$ 5% 1/10W	
191	1650 4271	Resistor - 270 Ω $\pm$ 5%1/10W	
192	1650 4303	Resistor - 30K Ω $\pm$ 5% 1/10W	
193	1650 4330	Chip Resistor - 33 Ω $\pm$ 5% 1/10W	
194	1650 4331	Resistor - 330 Ω $\pm$ 5%1/10W	
195	1650 4471	Resistor - 470 Ω $\pm$ 5%1/10W	
196	1650 4472	Resistor - 4.7K Ω $\pm$ 5% 1/10W	
197	1650 4512	Resistor - 5.1K Ω $\pm$ 5%1/10W	
198	1650 4560	Chip Resistor - 56 Ω $\pm$ 5% 1/10W	
199	1650 4562	Resistor - 5.6K Ω $\pm$ 5% 1/10W	
200	1650 4569	Resistor - 5.6 Ω : $\pm$ 5%:1/10W	
201	1650 4680	Resistor - 68 Ω $\pm$ 5%1/10W	
202	1650 4683	Resistor - 68K Ω $\pm$ 5% 1/10W	
203	1650 4820	Resistor - 82 Ω $\pm$ 5% 1/10W	
204	1650 4821	Chip Resistor - 820 Ω $\pm$ 5% 1/10W	
205	1654 1002	Resistor - 10K Ω $\pm$ 5%1/10W	

Index No.	Part No.	Description	Q'ty Per Assembly
206	1654 1200	Resistor - 120 Ω $\pm$ 1% 1/10W	
207	1654 1242	Resistor - 12.4K Ω $\pm$ 1% 1/10W	
208	1654 1600	Chip Resistor:160 Ω	
209	1654 3909	Resistor - 39 Ω $\pm$ 1%1/10W	
210	1654 4999	Resistor - 49.9 Ω $\pm$ 1%1/10W	
211	1654 5499	Resistor - 54.9 Ω $\pm$ 1%1/10W	
212	1654 7509	Resistor - 75 Ω $\pm$ 1% 1/10W	
213	1654 8200	Resistor - 820 Ω $\pm$ 1%1/10W	
214	1660 2471	Capacitor - 470pF - $\pm$ 5% - 50V	
215	1660 4102	Capacitor - 1000pF $\pm$ 10% 50V	
216	1660 6103	Capacitor - 10000pF - +80%-20%50V	
217	1660 8104	Capacitor - 0.1 μ F+80-20% 25V	
218	1906 0075	Flash Memory - MBM29PL64LM90PCN	
219	1906 0076	Flash Memory:MBM29PL12LM12PCN	

Index No.	Part No.	Description	Q'ty Per Assembly

16.Engine Board (G091)

CAPACITOR

SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.
C1	140	C11	186	C21	179	C31	182	C41	183	C51	144	---	---
C2	141	C12	143	C22	179	C32	182	C42	183	C52	144	C62	186
C3	141	---	---	C23	182	C33	182	C43	183	C53	144	C63	186
C4	141	C14	175	C24	182	C34	182	C44	183	C54	144	C64	186
---	---	C15	175	C25	182	C35	182	C45	183	C55	186	C65	186
C6	145	C16	176	C26	177	C36	183	C46	183	C56	143	---	---
C7	145	C17	177	C27	181	C37	183	C47	183	C57	182	C67	186
C8	145	C18	177	C28	182	C38	183	C48	183	C58	186	C68	186
C9	145	C19	177	---	---	---	---	C49	183	C59	186	---	---
C10	145	C20	188	---	---	C40	183	C50	185	---	---	C70	186

CAPACITOR

SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.
---	---	C81	186	C91	182	---	---	---	---	C121	186	C131	143
C72	186	C82	186	C92	186	---	---	---	---	C122	186	---	---
C73	186	C83	186	---	---	---	---	C113	182	---	---	C133	143
C74	186	C84	186	C94	186	---	---	C114	183	---	---	---	---
C75	186	C85	186	C95	186	C105	183	C115	183	C125	141	C135	186
C76	186	C86	182	C96	186	C106	186	C116	182	---	---	C136	178
C77	186	C87	182	C97	186	---	---	C117	186	---	---	C137	184
C78	186	C88	182	C98	186	C108	186	C118	182	C128	143	C138	182
C79	186	C89	186	C99	183	C109	183	C119	186	---	---	C139	186
C80	186	C90	186	C100	183	C110	182	---	---	---	---	C140	142

16.Engine Board (G091)

CAPACITOR

SYMBOL NO.	INDEX NO.
C141	182
C142	186
---	---
---	---
C145	182
---	---
C147	182
---	---
C149	186
C150	182

CONNECTOR

SYMBOL NO.	INDEX NO.
C151	186
C152	182
C153	143
C154	182
C155	186
---	---
C156	186
C157	185
C158	180
---	---
C160	183

SYMBOL NO.	INDEX NO.
---	---
C162	178
C163	177
---	---
C165	178
C166	178
C167	177

SYMBOL NO.	INDEX NO.
CN1	114
CN2	118
---	---
---	---
CN5	102
---	---
CN6	109
CN7	110
CN8	101
CN9	102
CN10	103

SYMBOL NO.	INDEX NO.
CN11	101
CN12	106
CN13	108
CN14	107
CN15	113
---	---
CN16	111
CN17	117
---	---
CN19	116
CN20	105

SYMBOL NO.	INDEX NO.
---	---
CN22	115
CN23	104

DIODE

SYMBOL NO.	INDEX NO.
D2	125
D3	125

FIL

SYMBOL NO.	INDEX NO.
FIL6	150
FIL7	147
FIL8	149
FIL9	149
---	---
---	---
FIL12	149
FIL16	146

IC

SYMBOL NO.	INDEX NO.
IC1	127
IC2	1
IC3	---
IC4	187
IC5	131
(SOCKET)	119
---	---
---	---
IC8	127
IC9	129
IC10	130

JP

SYMBOL NO.	INDEX NO.
JP1	154
---	---
JP3	154
---	---
---	---
---	---
JP27	154
---	---
JP29	154
---	---

SYMBOL NO.	INDEX NO.
JP31	154
---	---
---	---
JP34	154
---	---
---	---
JP36	154
---	---
---	---
JP39	154
---	---

SW

SYMBOL NO.	INDEX NO.
JP125	154

L

SYMBOL NO.	INDEX NO.
L1	148

OSC

SYMBOL NO.	INDEX NO.
OSC1	134

Q

SYMBOL NO.	INDEX NO.
Q1	128
---	---
---	---
Q4	124
---	---
---	---
Q6	122
Q7	122
Q8	121
Q9	123
Q10	121

16.Engine Board (G091)

Q

RESISTOR

SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.
Q11	121	R1	153	R11	156	R21	163	R31	157	---	---	R51	172
Q12	121	R2	153	R12	156	R22	157	R32	157	---	---	R52	158
Q13	121	R3	156	R13	156	R23	157	R33	157	R43	158	R53	158
		R4	156	R14	157	R24	157	R34	157	---	---	R54	158
		R5	156	---	---	R25	157	R35	157	---	---	R55	158
		R6	156	R16	157	R26	157	R36	157	---	---	---	---
		R7	156	R17	157	R27	157	---	---	---	---	---	---
		R8	156	R18	157	R28	157	---	---	---	---	---	---
		R9	156	R19	157	R29	157	---	---	R49	158	---	---
		R10	156	R20	157	R30	157	---	---	R50	158	---	---

RESISTOR

SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.
R61	160	R71	157	R81	168	R91	171	R101	162	R111	152	R121	165
R62	161	R72	164	R82	168	R92	171	R102	160	R112	151	R122	167
R63	161	R73	157	R83	168	---	---	R103	157	---	---	---	---
R64	161	R74	156	R84	168	---	---	R104	158	R114	155	---	---
R65	162	R75	156	---	---	R95	170	---	---	R115	155	---	---
R66	162	R76	156	---	---	---	---	---	---	R116	155	---	---
R67	162	---	---	R87	168	R97	166	R107	156	R117	155	R127	169
R68	162	---	---	R88	168	R98	173	R108	157	R118	165	---	---
R69	162	R79	167	R89	168	R99	174	R109	158	R119	165	R129	169
R70	162	---	---	R90	157	R100	174	R110	158	R120	165	R130	159

16.Engine Board (G091)

RESISTOR

SYMBOL NO.	INDEX NO.
---	---
---	---
---	---
R134	156
---	---
R136	162
R137	158
R138	158
---	---
---	---

SYMBOL NO.	INDEX NO.
R141	158
---	---
R143	157
---	---
R145	157
---	---
R147	157
R148	169
---	---
---	---

SYMBOL NO.	INDEX NO.
R151	165
---	---
---	---
---	---
---	---
---	---
R158	157
R159	162
R160	161

SYMBOL NO.	INDEX NO.
R161	170
R162	170
R163	158
---	---
R165	171
R166	156
R167	156
R168	168
R169	172
R170	156

SYMBOL NO.	INDEX NO.
R171	165
R172	156
R173	165
R174	165

REG

SYMBOL NO.	INDEX NO.
REG1	133
REG2	132

RN

SYMBOL NO.	INDEX NO.
RN1	135
RN2	135
RN3	135
RN4	135
---	---
RN6	135
RN7	135
RN8	135
RN9	136
RN10	136

SYMBOL NO.	INDEX NO.
RN11	136
---	---
---	---
---	---
RN15	137
RN16	137
RN17	137
RN18	137
RN19	137
RN20	137

RN

SYMBOL NO.	INDEX NO.
RN21	138
RN22	138
RN23	138
RN24	139
RN25	139
RN26	139
RN27	139
RN28	139
RN29	139
RN30	139

SYMBOL NO.	INDEX NO.
RN31	139
RN32	139
RN33	139

SW

SYMBOL NO.	INDEX NO.
SW1	120

T

SYMBOL NO.	INDEX NO.
TB1	112

ZD

SYMBOL NO.	INDEX NO.
ZD1	126

16.Engine Board (G091)

Index No.	Part No.	Description	Q'ty Per Assembly
*	G088 5121	PCB EGB Ass'y (G091-17)	1
*	G088 5622	PCB EGB (G091-21/22/27)	1
1	G088 5353	IC:RL5C580	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	1102 4201	Connector - 2P	
102	1102 4202	Connector - 3P	
103	1102 4203	CT Header - 4P	
104	1102 4205	CT Header - 6P	
105	1102 4207	Connector - 8P	
106	1102 4619	Connector - 2P	
107	1102 4631	CT Connector - 2P	
108	1102 4643	CT Connector - 2P	
109	1102 5344	Connector - 16P	
110	1102 5409	Connector - 20P	
111	1102 5411	Connector - 24P	
112	1102 5943	Connector - 2P	
113	1102 6398	Connector - 2P	
114	1102 6592	Connector - 8P	
115	1102 7626	Connector - TX25-80P-LT-N1	
116	1103 3849	Connector:52610-1015	
117	1102 9108	Connector - 353297-3	
118	1102 9117	Connector - 353297-8	
119	1104 0764	IC Socket - 8 PIN	
120	1204 2801	Dip Switch	
	1204 2415	O/O MB16	
121	1400 0688	Transistor -DTC143ZUA	
122	1400 0767	Transistor:DTA114EUA	
123	1400 0801	Transistor - DTC113ZUA	
124	1401 0972	Transistor-2SB1260	
125	1402 1336	Diode - 1SS355	
126	1402 1638	Diode - MTZJ15B	
127	1407 2187	TTLIC - SN74LS07NS	
128	1407 2219	IC - TD62003AP	
129	1407 3357	Comparator - BA10393F	
130	1407 5161	CPU- HD64F2633WF25	
131	1407 6588	EEPROM:M24C02-WBN6P(REV.S/W/G)	
	1407 5271	O/O MB16	
132	1408 1770	Series Regulator - R5323N013A	
133	1408 1834	IC - R5510H011N	

Index No.	Part No.	Description	Q'ty Per Assembly
134	1503 0697	Crystal Oscillator MA-406 20MHz	
135	1601 7752	Resistor Array - 10K Ω $\pm$ 5%	
136	1601 7791	Resistor Array - 1K Ω $\pm$ 5%	
137	1601 7866	Resistor Array - 150 Ω $\pm$ 5%	
138	1601 7871	Resistor - 68 Ω $\pm$ 5% 1/16W	
139	1601 7898	Resistor Array	
140	1604 4730	Capacitor - 47 μ F $\pm$ 20% 50V	
141	1604 4733	Capacitor - 100 μ F $\pm$ 20% 10V	
142	1604 4955	Capacitor - 10 μ F $\pm$ 20% 16V	
143	1605 0976	Capacitor - 1 μ F+80% -20% 10V	
144	1605 1148	Capacitor - 0.1 μ F+80-20% 50V	
145	1605 1353	Capacitor - 0.1 μ F $\pm$ 10% 25V	
146	1607 0810	Filter - BK2125HS121	
147	1607 1076	Filter - MMZ1608Y152B	
148	1607 1196	Inductor -220UH $\pm$ 20% 0.33A	
149	1607 1241	Filter - MMZ1608R102C	
150	1607 1489	Filter - MMZ1608B301C	
151	1610 1409	Chip Resistor - 6.8 Ω $\pm$ 5%	
152	1610 1489	Chip Resistor - 300 Ω $\pm$ 5%	
153	1611 8472	Resistor - 4.7K Ω	
154	1634 0000	Resistor - 0 Ω 1/16W	
155	1650 4100	Resistor - 10 Ω $\pm$ 5% 1/10W	
156	1650 4101	Resistor - 100 Ω $\pm$ 5% 1/10W	
157	1650 4102	Resistor - 1K Ω $\pm$ 5% 1/10W	
158	1650 4103	Resistor - 10K Ω $\pm$ 5% 1/10W	
159	1650 4122	Resistor - 1.2K Ω $\pm$ 5% 1/10W	
160	1650 4153	Resistor - 15K Ω $\pm$ 5% 1/10W	
161	1650 4201	Resistor - 200 Ω $\pm$ 5% 1/10W	
162	1650 4222	Resistor - 2.2K Ω $\pm$ 5% 1/10W	
163	1650 4300	Resistor - 30 Ω $\pm$ 5% 1/10W	
164	1650 4302	Resistor - 3K Ω $\pm$ 5% 1/10W	
165	1650 4330	Chip Resistor - 33 Ω $\pm$ 5% 1/10W	
166	1650 4431	Resistor - 430 Ω $\pm$ 5% 1/10W	
167	1650 4470	Resistor - 47 Ω $\pm$ 5% 1/10W	

Index No.	Part No.	Description	Q'ty Per Assembly
168	1650 4472	Resistor - 4.7K Ω $\pm$ 5% 1/10W	
169	1650 4473	Resistor - 47K Ω $\pm$ 5% 1/10W	
170	1650 4680	Resistor - 68 Ω $\pm$ 5% 1/10W	
171	1650 4681	Resistor - 680 Ω $\pm$ 5% 1/10W	
172	1654 1002	Resistor - 10K Ω $\pm$ 5% 1/10W	
173	1654 4301	Resistor - 4.3K Ω $\pm$ 1% 1/10W	
174	1654 6801	Resistor - 6.8K Ω $\pm$ 1% 1/10W	
175	1660 0100	Capacitor - 10PF $\pm$ 0.5pF 50V	
176	1660 2101	Capacitor - 100pF - $\pm$ 10% - 50V	
177	1660 2220	Capacitor - 22pF $\pm$ 20% 35V	
178	1660 2221	Capacitor - 220pF +80-20% 50V	
179	1660 2330	Capacitor - 33pF - $\pm$ 5% - 50V	
180	1660 2391	Capacitor - 390pF $\pm$ 5% 50V	
181	1660 2471	Capacitor - 470pF - $\pm$ 5% - 50V	
182	1660 4102	Capacitor - 1000pF $\pm$ 10% 50V	
183	1660 4103	Capacitor - 10000pF - $\pm$ 10% - 50V	
184	1660 4222	Capacitor - 2200pF - $\pm$ 10% - 50V	
185	1660 4332	Capacitor - 3300pF - $\pm$ 10% - 50V	
186	1660 8104	Capacitor - 0.1 μ F+80-20% 25V	
187	1902 0056	RAM - 256K X870NS G14	
188	1605 1355	Capacitor - 680pF - $\pm$ 10% - 50V RTB10 ADDED	

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CAPACITOR

SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.
C1	143	C11	193	C21	186	C31	189	C41	190	C51	147	---	---
C2	144	C12	146	C22	186	C32	189	C42	190	C52	147	C62	193
C3	144	---	---	C23	189	C33	189	C43	190	C53	147	C63	193
C4	144	C14	182	C24	189	C34	189	C44	190	C54	147	C64	193
---	---	C15	182	C25	189	C35	189	C45	190	C55	193	C65	193
C6	149	C16	183	C26	184	C36	190	C46	190	C56	146	---	---
C7	150	C17	184	C27	188	C37	190	C47	190	C57	189	C67	193
C8	150	C18	184	C28	189	C38	190	C48	190	C58	193	C68	193
C9	150	C19	184	---	---	---	---	C49	190	C59	193	---	---
C10	150	C20	148	---	---	C40	190	C50	192	---	---	C70	193

CAPACITOR

SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.
---	---	C81	193	C91	189	---	---	---	---	C121	193	C131	146
C72	193	C82	193	C92	193	---	---	---	---	C122	193	---	---
C73	193	C83	193	---	---	---	---	C113	189	---	---	C133	146
C74	193	C84	193	C94	193	---	---	C114	190	---	---	---	---
C75	193	C85	193	C95	193	C105	190	C115	190	C125	144	C135	193
C76	193	C86	189	C96	193	C106	193	C116	189	---	---	C136	185
C77	193	C87	189	C97	193	---	---	C117	193	---	---	C137	191
C78	193	C88	189	C98	193	C108	193	C118	189	C128	146	C138	189
C79	193	C89	193	C99	190	C109	190	C119	193	---	---	C139	193
C80	193	C90	193	C100	190	C110	189	---	---	---	---	C140	145

17.Engine Board (G116)

CAPACITOR

SYMBOL NO.	INDEX NO.
C141	189
C142	193
---	---
---	---
C145	189
---	---
C147	189
---	---
C149	193
C150	189

SYMBOL NO.	INDEX NO.
C151	193
C152	189
C153	146
C154	189
C155	193
---	---
C156	193
C157	192
C158	187
---	---
C160	190

SYMBOL NO.	INDEX NO.
---	---
C162	185
C163	184
---	---
C165	185
---	---
C166	185
C167	184
---	---
---	---
C170	193

CONNECTOR

SYMBOL NO.	INDEX NO.
CN1	113
CN2	118
---	---
---	---
CN5	102
---	---
CN6	116
CN7	109
CN8	101
CN9	102
CN10	103

SYMBOL NO.	INDEX NO.
CN11	101
CN12	106
CN13	108
CN14	107
CN15	112
---	---
CN16	110
CN17	117
---	---
CN19	115
CN20	105

SYMBOL NO.	INDEX NO.
---	---
CN22	114
CN23	104

DIODE

SYMBOL NO.	INDEX NO.
---	---
D2	127
D3	127
D4	126
D5	128

FIL

SYMBOL NO.	INDEX NO.
FIL6	155
FIL7	152
FIL8	154
FIL9	154
---	---
---	---
FIL12	154
---	---
---	---
---	---
FIL16	151

IC

SYMBOL NO.	INDEX NO.
IC1	130
IC2	1
IC3	2
IC4	194
IC5	119
---	---
IC5	134
---	---
---	---
---	---
IC8	130

SYMBOL NO.	INDEX NO.
IC9	132
IC10	133

JP

SYMBOL NO.	INDEX NO.
JP1	159
---	---
JP3	159
---	---
---	---
---	---
---	---
JP27	159
---	---
JP29	159
---	---

SYMBOL NO.	INDEX NO.
JP31	159
---	---
---	---
JP34	159
---	---
---	---
JP36	159
---	---
---	---
JP39	159
---	---

SYMBOL NO.	INDEX NO.
---	---
---	---
---	---
---	---
JP125	159

L

SYMBOL NO.	INDEX NO.
L1	153

OSC

SYMBOL NO.	INDEX NO.
OSC1	137

17.Engine Board (G116)

Q

RESISTOR

SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.
Q1	131	Q11	121	R1	158	R11	161	R21	168	R31	162	---	---
---	---	Q12	121	R2	158	R12	161	R22	162	R32	162	---	---
---	---	Q13	121	R3	161	R13	161	R23	162	R33	162	R43	163
Q4	125	Q14	123	R4	161	R14	162	R24	162	R34	162	---	---
---	---			R5	161	---	---	R25	162	R35	162	---	---
Q6	122			R6	161	R16	162	R26	162	R36	162	---	---
Q7	122			R7	161	R17	162	R27	162	---	---	---	---
Q8	121			R8	161	R18	162	R28	162	---	---	---	---
Q9	124			R9	161	R19	162	R29	162	---	---	R49	163
Q10	121			R10	161	R20	162	R30	162	---	---	R50	163

RESISTOR

SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.
R51	178	R61	165	R71	162	R81	172	R91	176	R101	167	R111	157
R52	163	R62	166	R72	169	R82	172	R92	176	R102	165	R112	156
R53	163	R63	166	R73	162	R83	172	---	---	R103	162	---	---
R54	163	R64	166	R74	161	R84	172	---	---	R104	163	R114	160
R55	163	R65	167	R75	161	---	---	R95	175	---	---	R115	160
---	---	R66	167	R76	161	---	---	---	---	---	---	R116	160
---	---	R67	167	---	---	R87	172	R97	180	R107	161	R117	160
---	---	R68	167	---	---	R88	172	R98	179	R108	162	R118	170
---	---	R69	167	R79	171	R89	172	R99	181	R109	163	R119	170
---	---	R70	167	---	---	R90	162	R100	181	R110	163	R120	170

17.Engine Board (G116)

RESISTOR

SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.
R121	170	---	---	R141	163	R151	170	R161	175	R171	170	R181	177
R122	171	---	---	---	---	---	---	R162	175	R172	161		
---	---	---	---	R143	162	---	---	R163	163	R173	170		
---	---	R134	161	---	---	---	---	---	---	R174	170		
---	---	---	---	R145	162	---	---	R165	176	R175	178		
---	---			---	---	---	---						
R127	173	R136	167	R147	162	---	---	R166	161	R176	162		
---	---	R137	163	R148	173	---	---	R167	161	R177	165		
R129	173	R138	163	---	---	R158	162	R168	172	R178	164		
R130	164	---	---	---	---	R159	167	R169	178	R179	164		
		---	---	---	---	R160	166	R170	161	R180	174		

REG

SYMBOL NO.	INDEX NO.
REG1	136
REG2	135

RN

SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.
RN1	138	RN11	139	RN21	141
RN2	138	---	---	RN22	141
RN3	138	---	---	RN23	141
RN4	138	---	---	RN24	142
---	---	RN15	140	RN25	142
RN6	138	RN16	140	RN26	142
RN7	138	RN17	140	RN27	142
RN8	138	RN18	140	RN28	142
RN9	139	RN19	140	RN29	142
RN10	139	RN20	140	RN30	142

SW

SYMBOL NO.	INDEX NO.
SW1	120

TB

SYMBOL NO.	INDEX NO.
TB1	111

ZD

SYMBOL NO.	INDEX NO.
ZD1	129

17.Engine Board (G116)

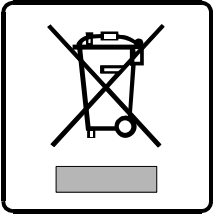
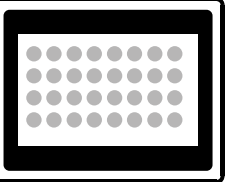
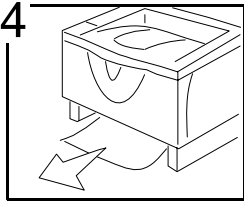
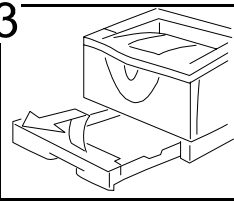
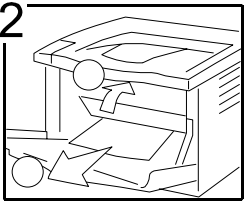
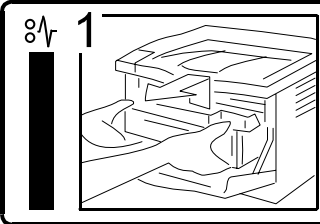
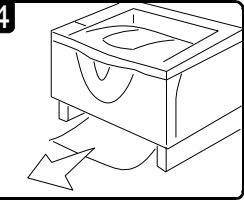
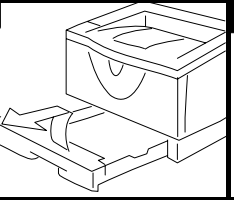
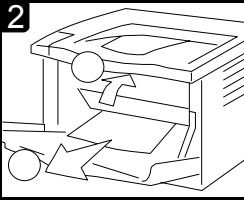
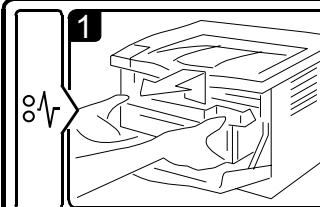
Index No.	Part No.	Description	Q'ty Per Assembly
*	G111 5621	PCB EGB Ass'y (G116-17)(RoHs)	1
*	G111 5622	PCB EGB Ass'y (G116-22/27)(RoHs)	1
1	G088 5353	IC:RL5C580	1
2	GY20 0012	IC:E-MAC2	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	1102 4201	Connector - 2P	
102	1102 4202	Connector - 3P	
103	1102 4203	CT Header - 4P	
104	1102 4205	CT Header - 6P	
105	1102 4207	Connector - 8P	
106	1102 4619	Connector - 2P	
107	1102 4631	CT Connector - 2P	
108	1102 4643	CT Connector - 2P	
109	1102 5409	Connector - 20P	
110	1102 5411	Connector - 24P	
111	1102 5943	Connector - 2P	
112	1102 6398	Connector - 2P	
113	1102 6592	Connector - 8P	
114	1102 7626	Connector - TX25-80P-LT-N1	
115	1103 3849	Connector:52610-1015	
116	1102 8781	Connector - 1-292207-2	
117	1102 9108	Connector - 353297-3	
118	1102 9117	Connector - 353297-8	
119	1104 0764	IC Socket - 8 PIN	
120	1204 1541	Dip Switch	
121	1400 0688	Transistor -DTC143ZUA	
122	1400 0767	Transistor:DTA114EUA	
123	1400 0789	Transistor - IMT17	
124	1400 0801	Transistor - DTC113ZUA	
125	1401 0972	Transistor-2SB1260	
126	1402 0545	Diode - 1SS244	
127	1402 1336	Diode - 1SS355	
128	1402 1587	Diode - RB060	
129	1402 1638	Diode - MTZJ15B	
130	1407 2187	TTLIC - SN74LS07NS	
131	1407 2219	IC - TD62003AP	
132	1407 3357	Comparator - BA10393F	
133	1407 5161	CPU- HD64F2633WF25	
	1407 5271	O/O MB16	
135	1408 1770	Series Regulator - R5323N013A	

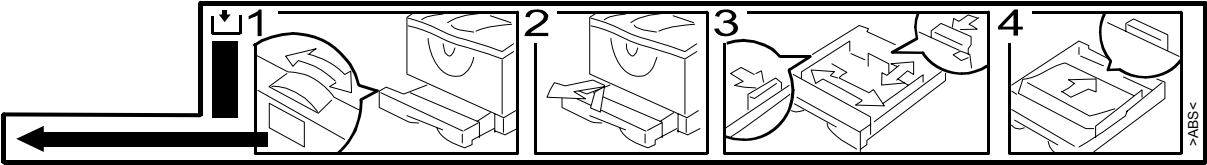
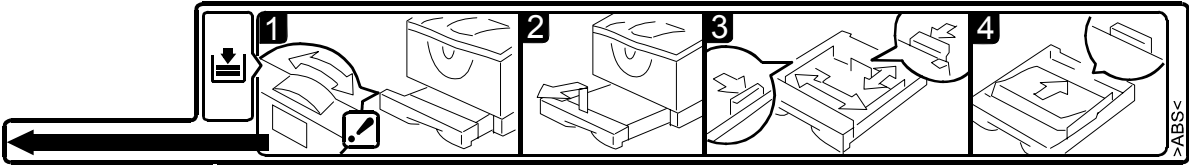
Index No.	Part No.	Description	Q'ty Per Assembly
136	1408 1834	IC - R5510H011N	
137	1503 0697	Crystal Oscillator MA-406 20MHz	
138	1601 7752	Resistor Array - 10K Ω $\pm$ 5%	
139	1601 7791	Resistor Array - 1K Ω $\pm$ 5%	
140	1601 7866	Resistor Array - 150 Ω $\pm$ 5%	
141	1601 7871	Resistor - 68 Ω $\pm$ 5% 1/16W	
142	1601 7898	Resistor Array	
143	1604 4730	Capacitor - 47 μ F $\pm$ 20% 50V	
144	1604 4733	Capacitor - 100 μ F $\pm$ 20% 10V	
145	1604 4955	Capacitor - 10 μ F $\pm$ 20% 16V	
146	1605 0976	Capacitor - 1 μ F+80% -20% 10V	
147	1605 1148	Capacitor - 0.1 μ F+80-20% 50V	
148	1605 1163	Ceramic Capacitor - 560pF $\pm$ 5%:50V	
149	1605 1190	Resistor - 0.022 μ F $\pm$ 10% 50V	
150	1605 1353	Capacitor - 0.1 μ F $\pm$ 10% 25V	
151	1607 0810	Filter - BK2125HS121	
152	1607 1076	Filter - MMZ1608Y152B	
153	1607 1196	Inductor -220UH $\pm$ 20% 0.33A	
154	1607 1241	Filter - MMZ1608R102C	
155	1607 1489	Filter - MMZ1608B301C	
156	1610 1409	Chip Resistor - 6.8 Ω $\pm$ 5%	
157	1610 1732	Resistor:270 Ω : $\pm$ 5%:1W:6332	
158	1611 8472	Resistor - 4.7K Ω	
159	1634 0000	Resistor - 0 Ω 1/16W	
160	1650 4100	Resistor - 10 Ω $\pm$ 5% 1/10W	
161	1650 4101	Resistor - 100 Ω $\pm$ 5%1/10W	
162	1650 4102	Resistor - 1K Ω $\pm$ 5% 1/10W	
163	1650 4103	Resistor - 10K Ω $\pm$ 5% 1/10W	
164	1650 4122	Resistor - 1.2K Ω $\pm$ 5% 1/10W	
165	1650 4153	Resistor - 15K Ω $\pm$ 5% 1/10W	
166	1650 4201	Resistor - 200 Ω $\pm$ 5%1/10W	
167	1650 4222	Resistor - 2.2K Ω $\pm$ 5%1/10W	
168	1650 4300	Resistor - 30 Ω $\pm$ 5%1/10W	
169	1650 4302	Resistor - 3K Ω $\pm$ 5% 1/10W	
170	1650 4330	Chip Resistor - 33 Ω $\pm$ 5% 1/10W	

Index No.	Part No.	Description	Q'ty Per Assembly
171	1650 4470	Resistor - 47 Ω $\pm$ 5%1/10W	
172	1650 4472	Resistor - 4.7K Ω $\pm$ 5% 1/10W	
173	1650 4473	Resistor - 47K Ω $\pm$ 5%1/10W	
174	1650 4622	Resistor:6.2K Ω : $\pm$ 5%:1/10W	
175	1650 4680	Resistor - 68 Ω $\pm$ 5%1/10W	
176	1650 4681	Resistor - 680 Ω $\pm$ 5% 1/10W	
177	1652 2709	Resistor - 27 Ω $\pm$ 1% 1/4W 3216	
178	1654 1002	Resistor - 10K Ω $\pm$ 5%1/10W	
179	1654 4301	Resistor - 4.3K Ω $\pm$ 1%1/10W	
180	1654 4700	Resistor - 470 Ω $\pm$ 1%1/10W	
181	1654 6801	Resistor - 6.8K Ω $\pm$ 1% 1/10W	
182	1660 0100	Capacitor - 10PF $\pm$ 0.5pF 50V	
183	1660 2101	Capacitor - 100pF - $\pm$ 10% - 50V	
184	1660 2220	Capacitor - 22pF $\pm$ 20% 35V	
185	1660 2221	Capacitor - 220pF +80-20% 50V	
186	1660 2330	Capacitor - 33pF - $\pm$ 5% - 50V	
187	1660 2391	Capacitor - 390pF $\pm$ 5% 50V	
188	1660 2471	Capacitor - 470pF - $\pm$ 5% - 50V	
189	1660 4102	Capacitor - 1000pF $\pm$ 10% 50V	
190	1660 4103	Capacitor - 10000pF - $\pm$ 10% - 50V	
191	1660 4222	Capacitor - 2200pF - $\pm$ 10% - 50V	
192	1660 4332	Capacitor - 3300pF - $\pm$ 10% - 50V	
193	1660 8104	Capacitor - 0.1 μ F+80-20% 25V	
194	1902 0056	RAM - 256K X870NS G14	

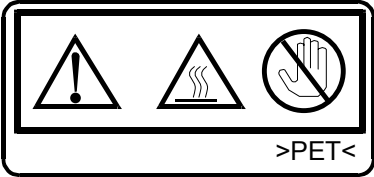
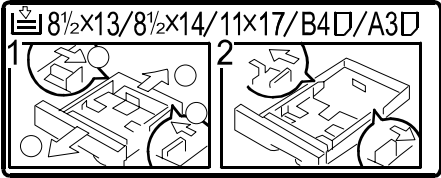
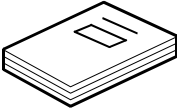
18.Decals and Documents (G091/G116)

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18.Decals and Documents (G091/G116)

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18.Decals and Documents (G091/G116)

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	14		
			
15	16	17	
			

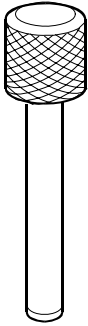
18.Decals and Documents (G091/G116)

Index No.	Part No.	Description	Q'ty Per Assembly
1	1005 0890	Decal - TUV	1
2	B121 7450	Decal - WEEE (G116-22/27)	1
3	G029 1982	LD Decal	1
4	G052 1551	Decal - Paper Jam (G091-17/20/21/22/27)	1
5	G111 1070	Decal - Paper Jam (G091-28, G116-17/22/27)	1
6	G052 3144	Decal - Paper Set (G091-17/20/21/22/27)	1
7	G111 2734	Label - Paper Set (G091-28,G116-17/22/27)	1
8	G052 3351	Decal - Registration	1
9	G052 4693	Decal - High Temperature (G116-17/22/27)	1
9	G088 4693	Decal - High Temperature (G091-17/20/21/22/27)	1
10	G056 2381	Decal - Energy Star/Postscript (G091-17/22/27)	1
11	G116 6604	Decal:PS+ES (G116-17/22/27)	1
12	GA00 1038	Decal:PS	1
13	GA00 0059	Decal:Warning:High Temperature (G116-17/22/27)	1
14	G111 1910	Caution Decal - Laser (G116-17/22/27)	1
15	G088 2372	Model Name Plate (G091-17/27)	1
15	G116 0404	Model Name Plate:RIC (G116-17/27)	1
16	G088 3087	Label Protection	1
17	G091 8625	Operating Instructions (G091-17)	1
17	G091 8956	Operating Instructions (G091-21)	1
17	G116 8604	O/I - Setup Guide : K-P4 (G116-17)	1
17	G116 8610	O/I - Maintenance Guide : K-P4 (G116-17)	1

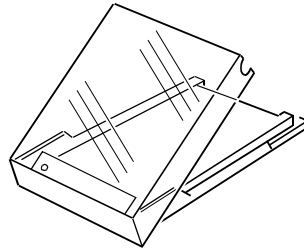
Index No.	Part No.	Description	Q'ty Per Assembly

19.Special Tools (G091/G116)

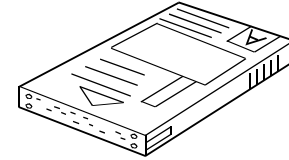
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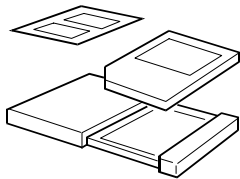
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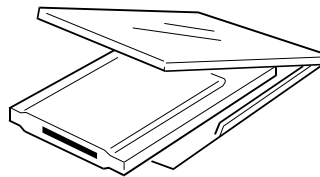
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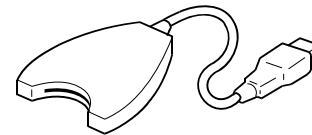
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19.Special Tools (G091/G116)

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1	A006 9104	Adjusting Scanner Pin (4pcs/set)	1
2	N803 1000	Case - Flash Memory Card (G091)	1
3	N803 6701	Flash Memory Card - 4MB (G091)	1
4	B645 5010	SD-Card:Ass'y (G116)	1
5	B645 6700	SD-Card:Adapter:BN-SDAA2 (G116)	1
6	B645 6800	SD-Card:USB:Writer:BN-SDCE2 (G116)	1

Index No.	Part No.	Description	Q'ty Per Assembly

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PM Parts Index

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Fusing Unit 1 (G091/G116)	G052 4614	Hot Roller	Hot Roller:K (G091)	1	15 - 16
Fusing Unit 1 (G091/G116)	G111 4063	Hot Roller	Hot Roller (G116)	1	15 - 16
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Fusing Unit 1 (G091/G116)	G111 4064	Fusing Thermistor	Thermistor (G116)	1	15 - 21
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