

**Model K-P3d/P4d  
(G091/G116)**

**PARTS CATALOG**

**Second edition, November 2004**

**Ricoh Company, LTD.**

**Model K-P3d/P4d (G091/G116)**

**PARTS CATALOG**

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

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

**Model K-P3d/P4d  
(G091/G116)**

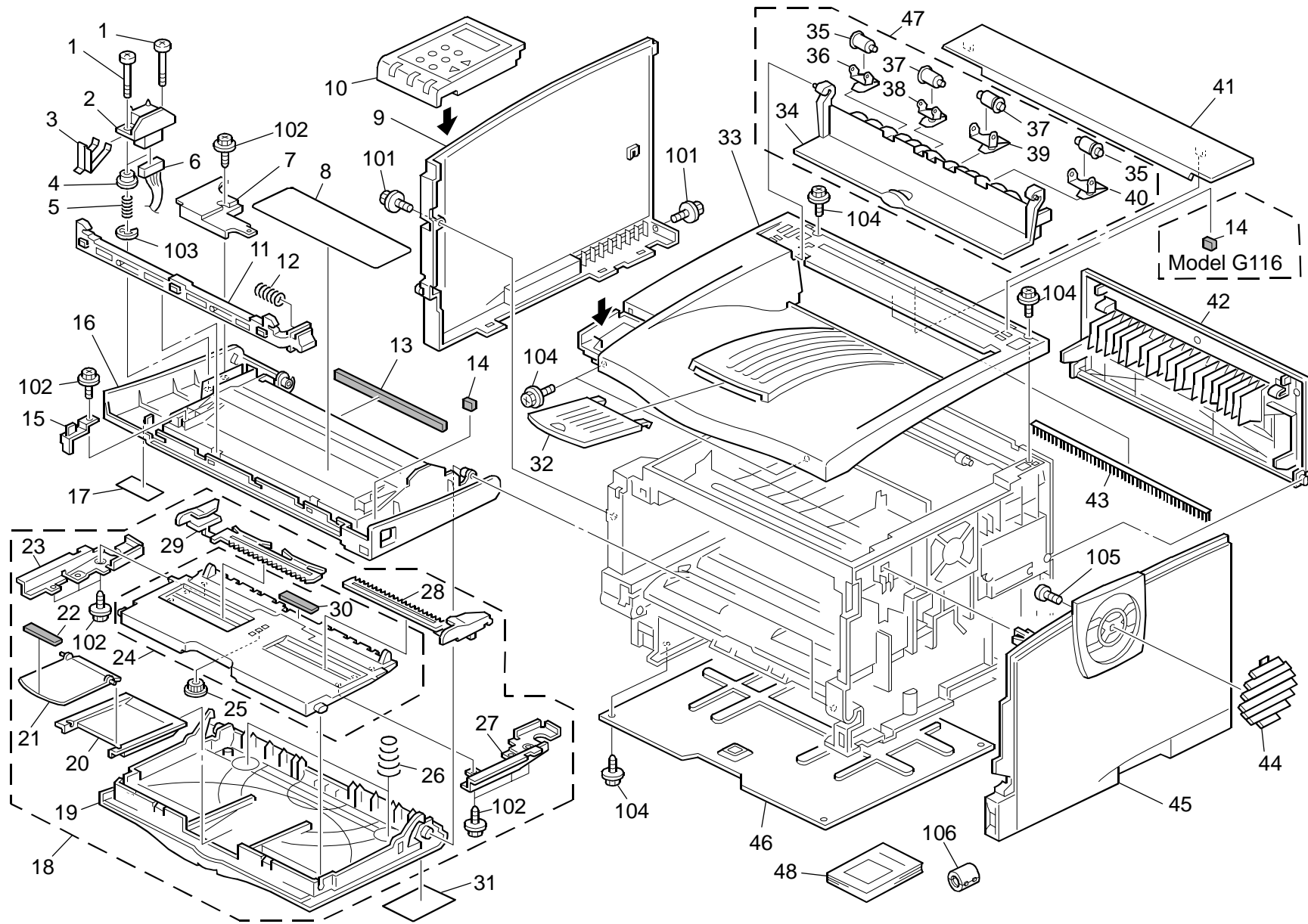
## Moodel K-P3d/P4d (G091/G116)

### PARTS CATALOG

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

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# 1.EXTERIOR (G091/G116)



# 1.EXTERIOR (G091/G116)

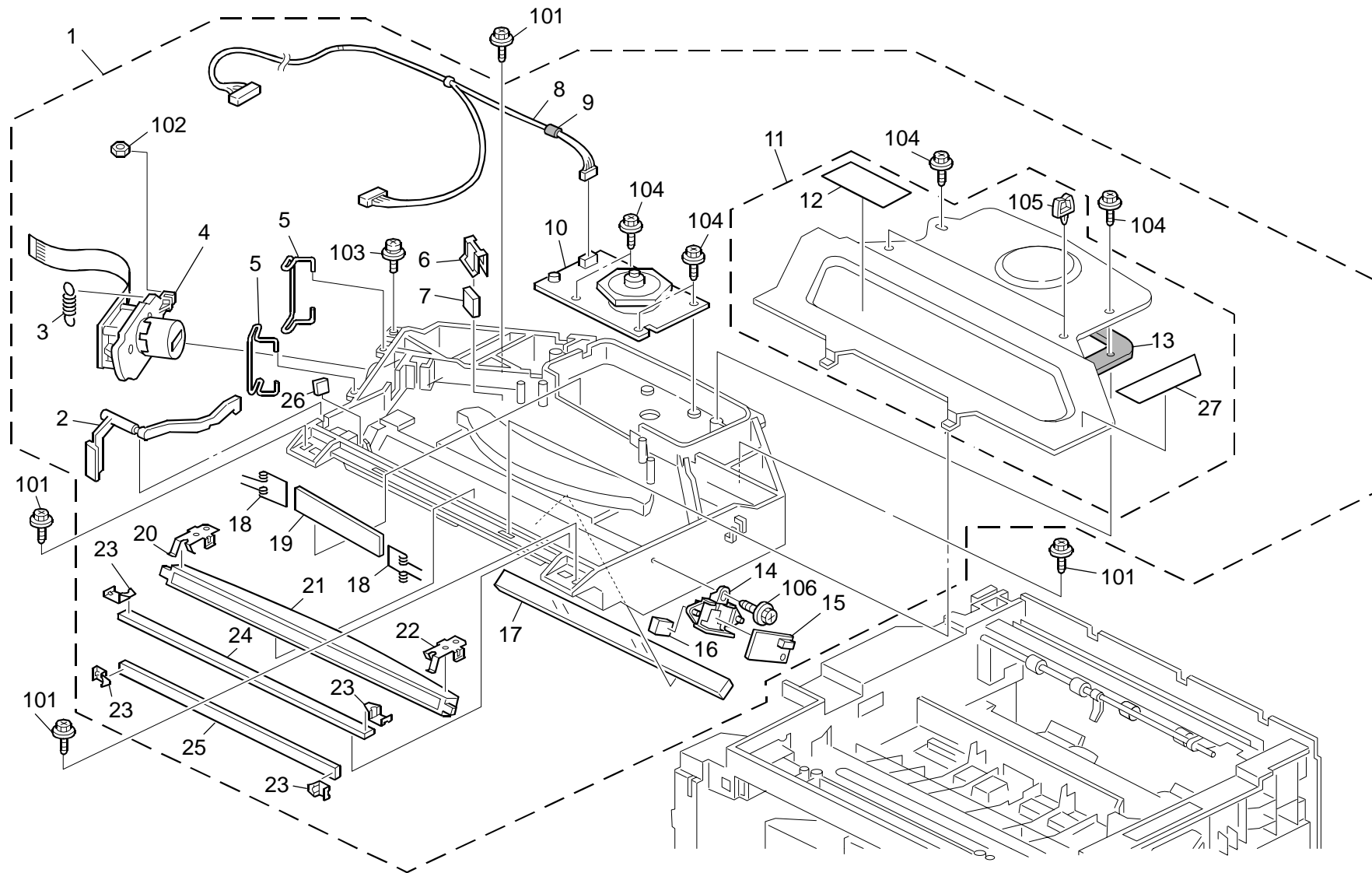
Index No.	Part No.	Description	Q'ty Per Assembly
1	G052 1543	Step Screw	2
2	G052 5362	Receptacle - 99RH144	1
3	G052 1544	Spring Plate - Receptacle	1
4	G052 1542	Collar - Receptacle	2
5	G052 1541	Spring - Receptacle	2
6	G088 3539	Internal Thermistor	1
7	G052 1545	Harness Cover (G091)	1
7	G129 1251	Harness Cover (G116)	1
8	G052 1551	Decal - Paper Jam (G091)	1
8	G111 1070	Decal - Paper Jam (G116)	1
9	G088 1594	Left Cover (G091)	1
9	G111 1277	Left Cover - NA (G116)	1
9	G111 1289	Left Cover - EU (G116)	1
10	G088 1930	Operation Panel NA Ass'y (G091)	1
10	G111 1410	Operation Panel:EXP:Ass'y (G116)	1
11	G052 1516	Lock Lever (G091)	1
11	G111 1286	Lock Lever (G116)	1
12	G052 1518	Spring - Lock Lever	1
13	G052 3356	Sheet - Soundproof	1
14	G052 1546	Lock Spring Cushion (G091)	1
14	G052 1546	Lock Spring Cushion (G116)	2
15	G052 1517	LD Shutter Feeler (G091)	1
15	G111 1287	LD Shutter Feeler (G116)	1
16	G052 1566	Front Cover (G091)	1
16	G111 1257	Front Cover (NA)(G116)	1
16	G111 1291	Front Cover - EU (G116)	1
17	G088 2372	Model Name Plate EXP (RIC)(G091)	1
17	G116 0404	Model Name Plate:RIC:EXP (G116)	1
18	G076 3270	Manual Feed Table:Ass'y (G091)	1
18	G111 2560	Manual Feed Table Ass'y (G116)	1
19	G052 3272	Bypass Front Cover (G091)	1
19	G111 2562	Bypass Front Cover (G116)	1
20	G029 2705	Extention Tray (G091)	1
20	G111 2561	Extension Tray (G116)	1
21	G052 3341	Sub Tray (G091)	1

Index No.	Part No.	Description	Q'ty Per Assembly
21	G111 2565	Sub Tray (G116)	1
22	G029 2708	Pad (G091)	1
23	G076 3281	Supporting Plate:Base:Manual FE	1
24	G076 3273	Base:Manual Feed:Adhesion (G091)	1
24	G111 2566	Manual Feed Base (G116)	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)	1
28	G111 2563	Right Side Fence - Bypass (G116)	1
29	G052 3277	Left Side Fence - Bypass (G091)	1
29	G111 2564	Left Side Fence - Bypass (G116)	1
30	G029 2608	Base Pad	1
31	G056 2381	Decal - Energy Star/Postscript (G091)	1
32	G052 1504	Paper Tray Extension (G091)	1
32	G111 1260	Exit Tray (G116)	1
33	G075 1652	Upper Cover (G091)	1
33	G111 1293	Upper Cover (G116)	1
34	G052 1512	Cover:Exit (G091)	1
34	G111 1272	Exit Cover (G116)	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)	1
41	G111 1250	Rear Upper Cover (G116)	1
42	G052 1563	Rear Cover (G091)	1
42	G111 1200	Rear Cover (NA)(G116)	1
42	G111 1201	Rear Cover - EU (G116)	1
43	G052 4889	Discharge Brush:Exit:Ass'y	1
44	G075 1651	Louver (G091)	1
44	G111 1292	Louver (G116)	1
45	G088 1650	Right Cover (G091)	1

Index No.	Part No.	Description	Q'ty Per Assembly
45	G111 1278	Right Cover - NA (G116)	1
45	G111 1290	Right Cover - EU (G116)	1
46	G555 1082	Lower Frame	1
47	G052 1509	Cover:Exit:Ass'y (G091)	1
48	G091 8625	Operating Instructions - K-P3: General (G091)	1
48	G116 8604	O/I - Setup Guide : K-P4 (G116)	1
48	G116 8610	O/I - Maintenance Guide : K-P4 (G116)	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	0451 3006H	Tapping Screw - 3x6	
102	0450 3008B	Tapping Screw - M3x8	
103	0720 0020B	Retaining Ring - M2	
104	0450 4010B	Tapping Screw - 4x10	
105	0452 3006B	Tapping Screw - M3x6	
106	1607 1092	Ferrite Core - RFC-10 (G091)	

## 2.LASER UNIT (G091/G116)



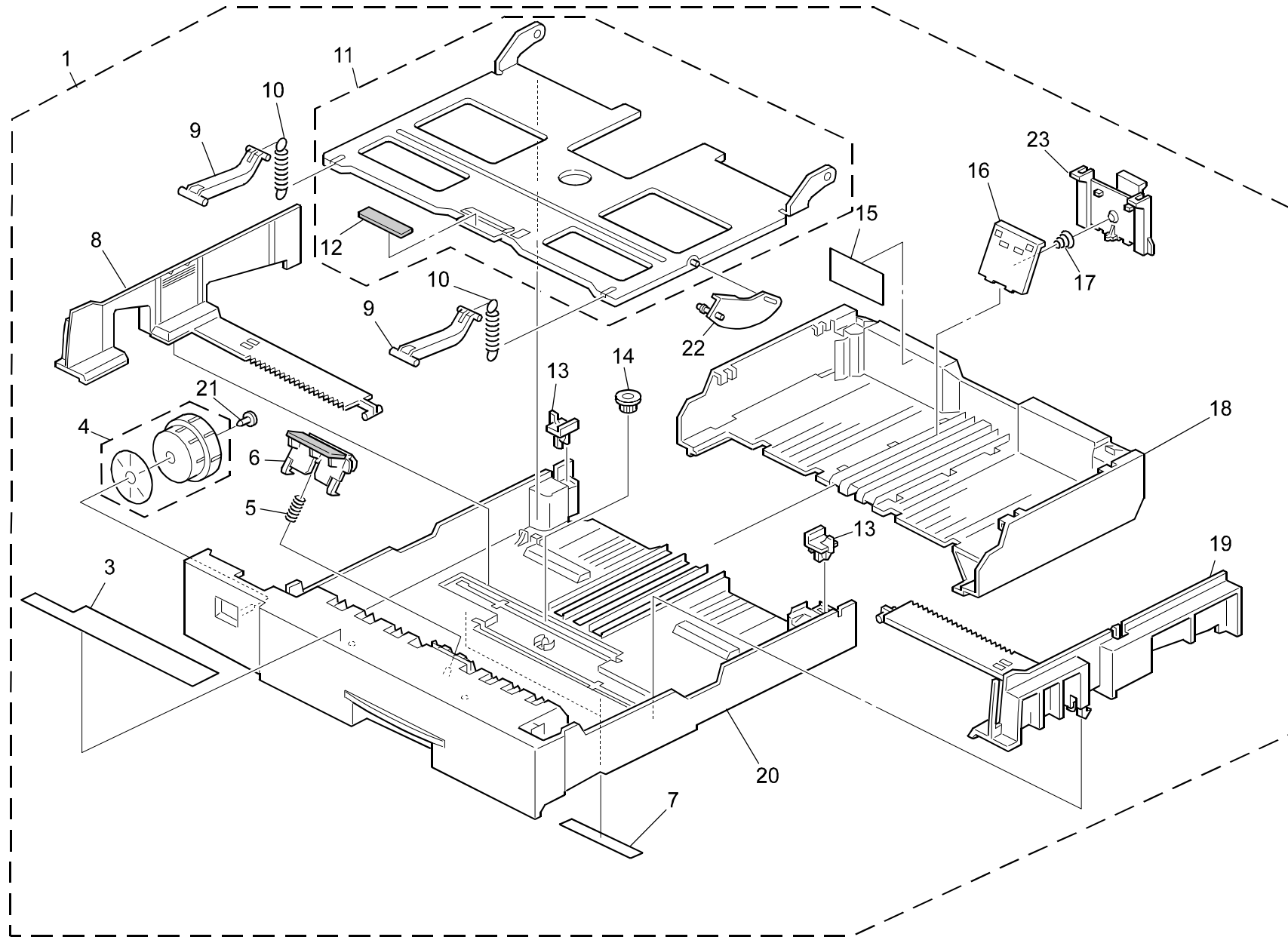


## 2.LASER UNIT (G091/G116)

Index No.	Part No.	Description	Q'ty Per Assembly
1	G096 2702	Imaging Unit Ass'y (G091)	1
1	G111 1904	Imaging Unit:EXP:Ass'y (G116)	1
2	G052 2780	Shutter - LD	1
3	G052 2764	Spring - LD Unit	1
4	G088 2760	Laser Diode Unit:Ass'y (G091)	1
4	G129 1912	Laser Diode Unit Ass'y (G116)	1
5	G052 2763	LD Holder	2
6	G052 2773	Cylindrical Lens Holder	1
7	GC02 5011	Cylindrical Lens	1
8	G088 5403	Harness - Polygon Mirror Motor (G091)	1
8	G111 5403	Harness - Polygon Motor (G116)	1
9	G088 2775	Shield:Harness	1
10	G088 2770	Polygon Scanner - 35501rpm (G091)	1
10	G129 1908	Polygon Scanner:38015rpm (G116)	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)	1
17	G129 1902	Shield Glass (G116)	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
26	GC03 0028	Mirror - Sync Detector	1
27	G111 1910	Caution Decal - Laser (G116)	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	0450 3012B	Tapping Screw - 3x12	
102	0712 0030B	Hexagon Nut - M3	
103	0951 3016B	Philips Screw With Washer - M3x16	
104	0450 3008B	Tapping Screw - M3x8	
105	1105 0229	Clamp	
106	0450 3006B	Tapping Screw - M3x6	

### 3.PAPER CASSETTE (G091/G116)

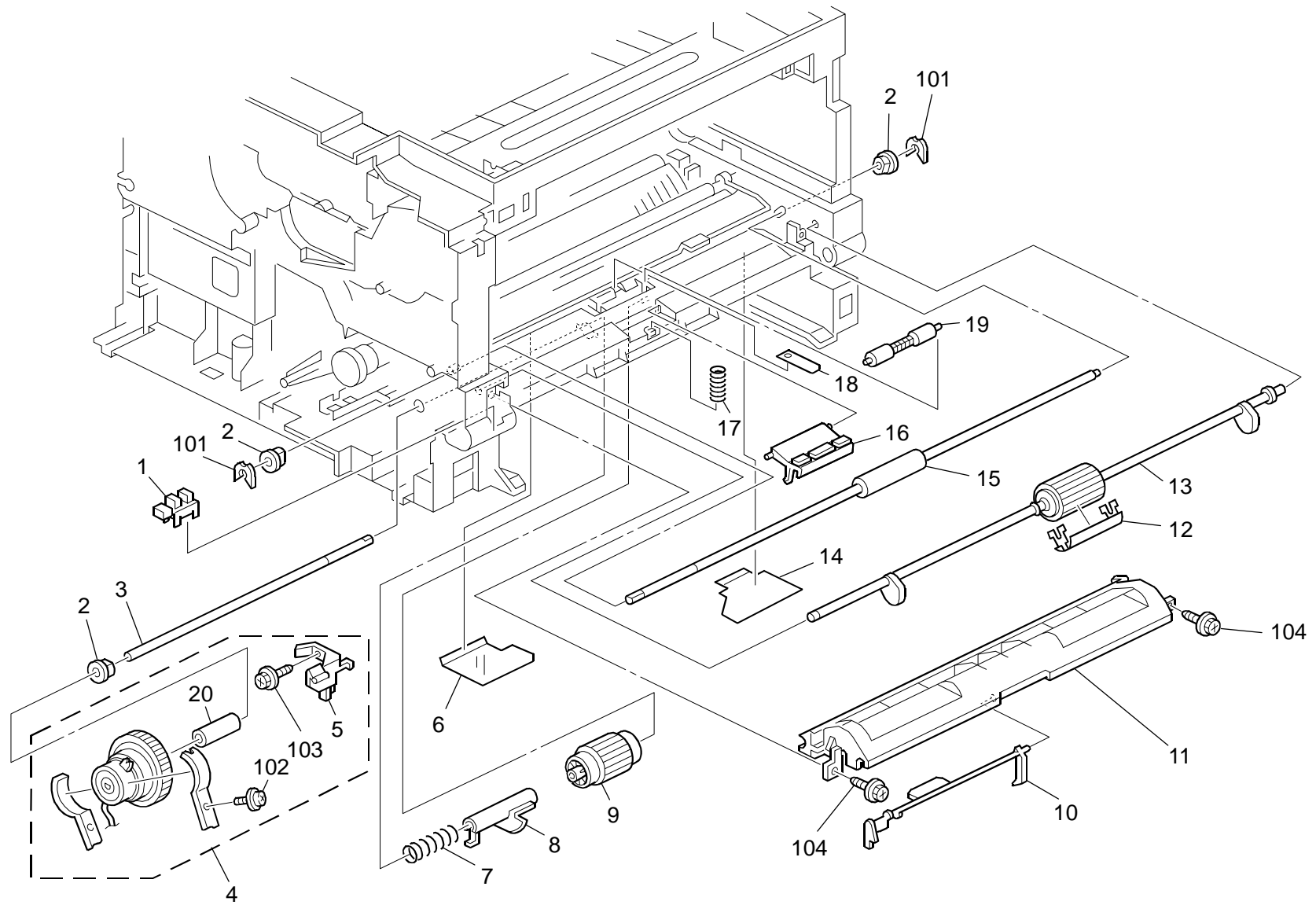


### 3.PAPER CASSETTE (G091/G116)

Index No.	Part No.	Description	Q'ty Per Assembly
1	G088 3040	Paper Tray NA Ass'y (G091)	1
1	G088 3046	Paper Tray EU Ass'y (G091)	1
1	G111 2612	Paper Tray Ass'y - NA (G116)	1
1	G111 2581	Paper Tray Ass'y - EU (G116)	1
3	G052 3144	Decal - Paper Set (G091)	1
3	G111 2734	Label - Paper Set (G116)	1
4	G052 3085	Paper Size Dial (NA)(G091)	1
4	G052 3095	Paper Size Dial - EUR/Asia (G091)	1
4	G111 2603	Paper Size Dial(NA)(G116)	1
4	G111 2604	Paper Size Dial - EU (G116)	1
5	G088 3147	Spring - Separation 3.0n	1
<b>6</b>	<b>G088 3135</b>	<b>Friction Pad</b>	<b>1</b>
7	G088 3060	Paper Tray Seal	2
8	G088 3055	Left Side Fence	1
9	G800 3129	Cassette Arm (G091)	2
9	G096 3071	Paper Tray Arm (G116)	2
10	G088 3083	Spring - Paper Feed Pressure	2
11	G088 3053	Tray Bottom Plate	1
12	G555 3069	Basepad	1
13	G029 2609	Cassette Protection	2
14	G800 3133	Side Fence Gear	1
15	G088 3087	Label Protection	1
16	G088 3075	End Fence 1	1
17	G088 3077	Spring - End Fence	1
18	G088 3061	Rear Paper Tray (G091)	1
18	G111 2582	Rear Paper Tray (G116)	1
19	G088 3056	Right Side Fence	1
20	G088 3062	Front Paper Tray (G091)	1
20	G111 2583	Front Paper Tray (G116)	1
21	G052 3080	Pin - Paper Size Dial	1
22	G088 3063	Paper Volume Sensor Arm	1
23	G088 3057	End Fence 2	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	0450 3008B	Tapping Screw - M3x8	

# 4.PAPER FEED SECTION (G091/G116)

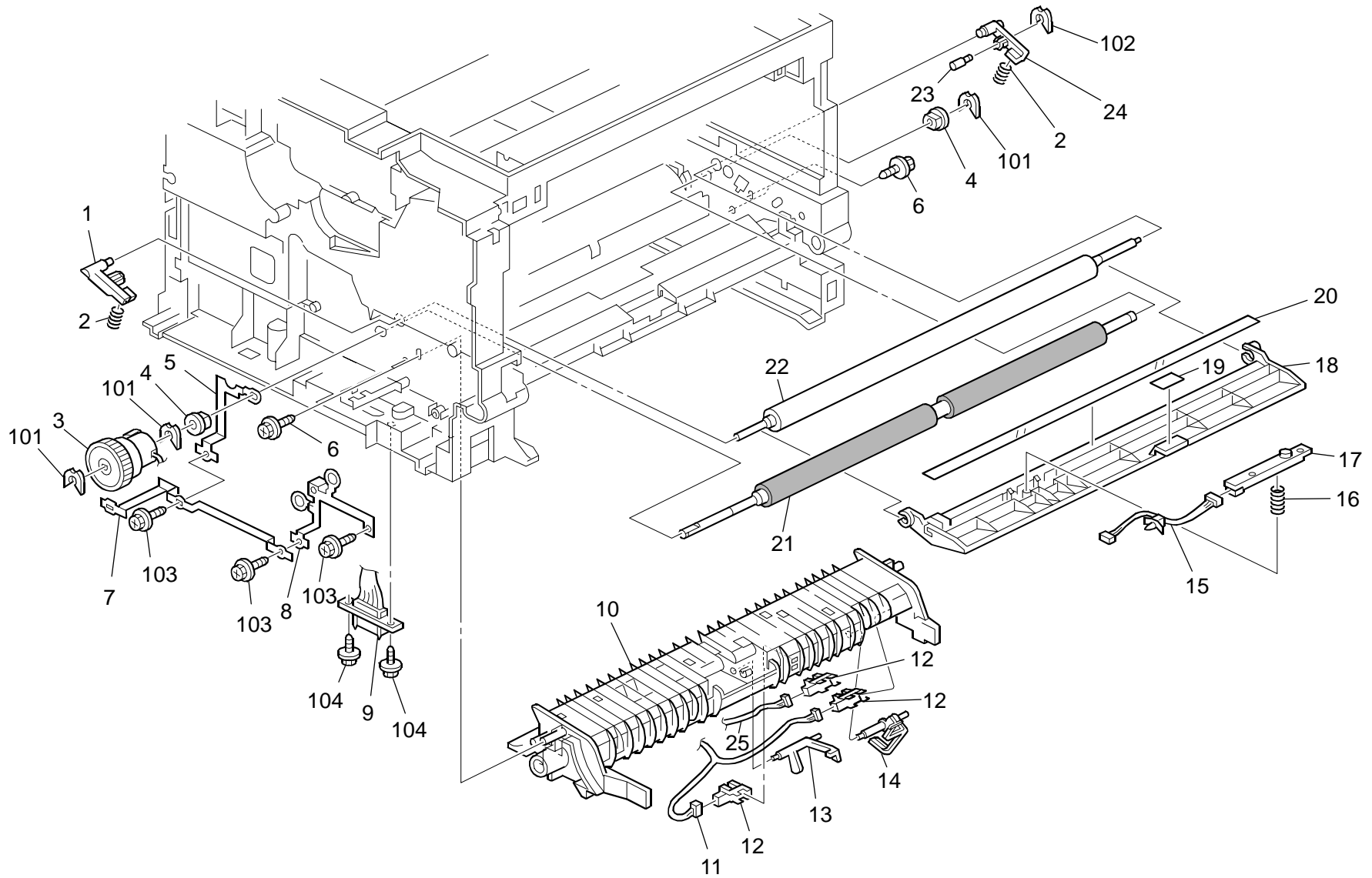


#### 4.PAPER FEED SECTION (G091/G116)

Index No.	Part No.	Description	Q'ty Per Assembly
1	AW02 0056	Photointerruptor - EE-SX4235A-P1	1
2	AA08 2058	Bushing - 6x10x9mm	3
3	G052 3101	Shaft - Paper Feed	1
4	G052 3140	Magnetic Clutch Assembly (G091)	1
4	G129 2583	Magnetic Clutch Ass'y - Paper Feed (G116)	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	<b>G052 3112</b>	<b>Paper Feed Roller</b>	<b>1</b>
10	G052 3286	Feeler - Bypass	1
11	G052 3280	Frame - Bypass Feed (G091)	1
11	G111 2610	Frame - Bypass Feed (G116)	1
12	G029 2767	By-pass Feed Cover	1
13	G052 3288	Bypass Feed Roller (G091)	1
13	G111 2601	Bypass Feed Roller (G061)	1
14	G052 3142	Right Film - Paper Feed Guide	1
15	G052 3332	Paper Transport 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	Paper Transport 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 3006B	Tapping Screw - M3x6	
103	0450 3008B	Tapping Screw - M3x8	
104	0450 3010B	Tapping Screw - M3x10	

## 5.PAPER REGISTRATION (G091/G116)

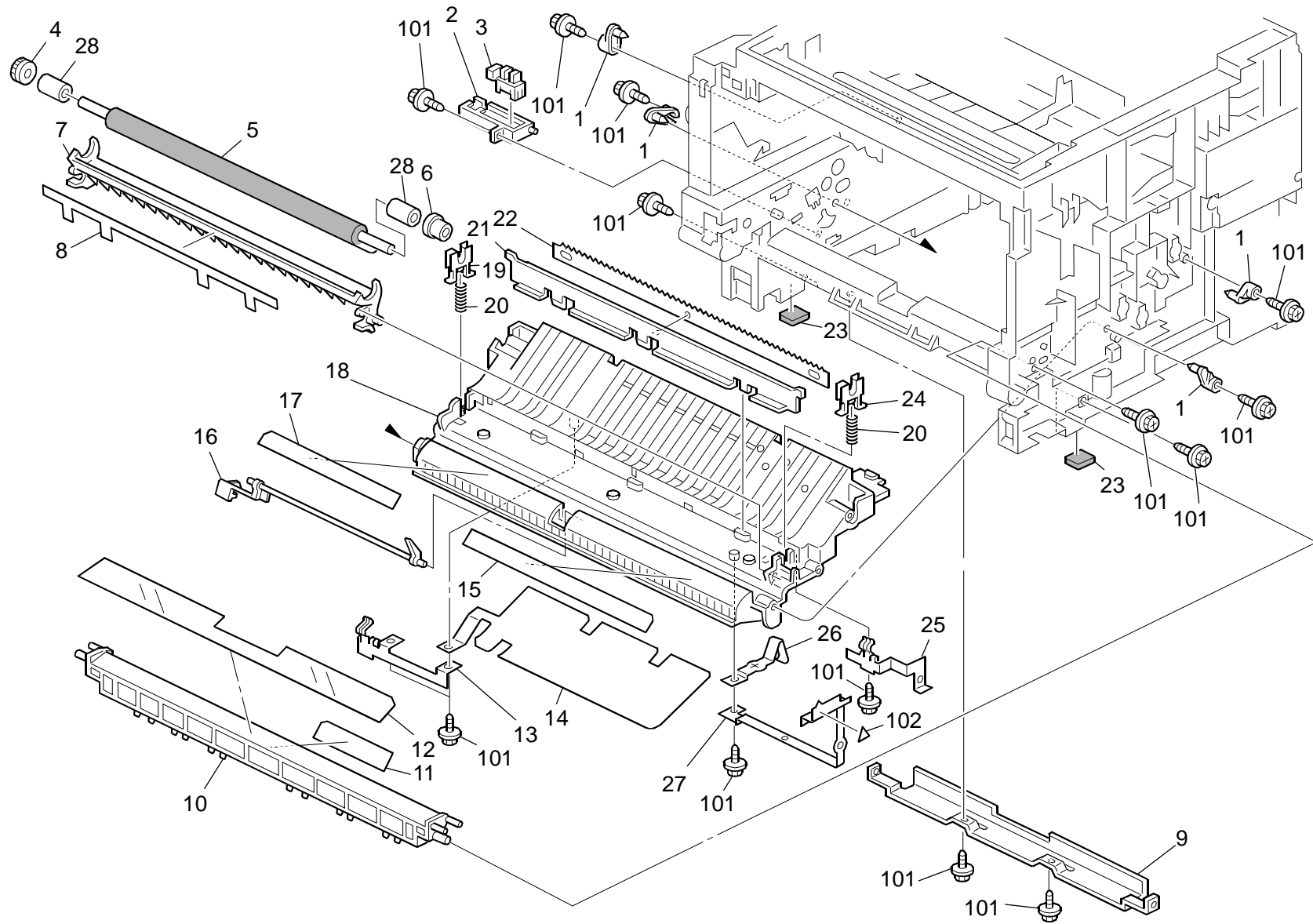


## 5.PAPER REGISTRATION (G091/G116)

Index No.	Part No.	Description	Q'ty Per Assembly
1	G052 3258	Left Bushing - Registration	1
2	AA06 3539	Spring - Registration Roller	2
3	G076 3205	Magnetic Clutch:Registration:Ass'y (G091)	1
3	G129 2585	Magnetic Clutch Ass'y - Regist (G116)	1
4	AA08 2047	Bushing - 8x16x7	2
5	G052 3336	Ground Plate - Registration	1
6	G029 4159	Screw - M3x13	2
7	G052 3337	Ground Plate - Drive	1
8	G052 3335	Ground Plate - Paper Feed	1
9	G088 5412	Harness - Option Paper Feed	1
10	G052 3100	Stay - Paper Feed (G091)	1
10	G111 2571	Stay - Paper Feed (G116)	1
11	G088 5400	Harness - Fst Connecting	1
12	AW02 0119	Photointerruptor - LG-2481	3
13	G052 3104	Paper End Feeler	1
14	G088 3105	Paper Volume Sensor Feeler	1
15	G052 5404	Interface Harness - Te Sensor	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)	1
25	G111 5415	Harness - Paper Volume Sensor (G116)	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 3008B	Tapping Screw - M3x8	
104	0450 3010B	Tapping Screw - M3x10	

## 6.PAPER TRANSPORT (G091/G116)





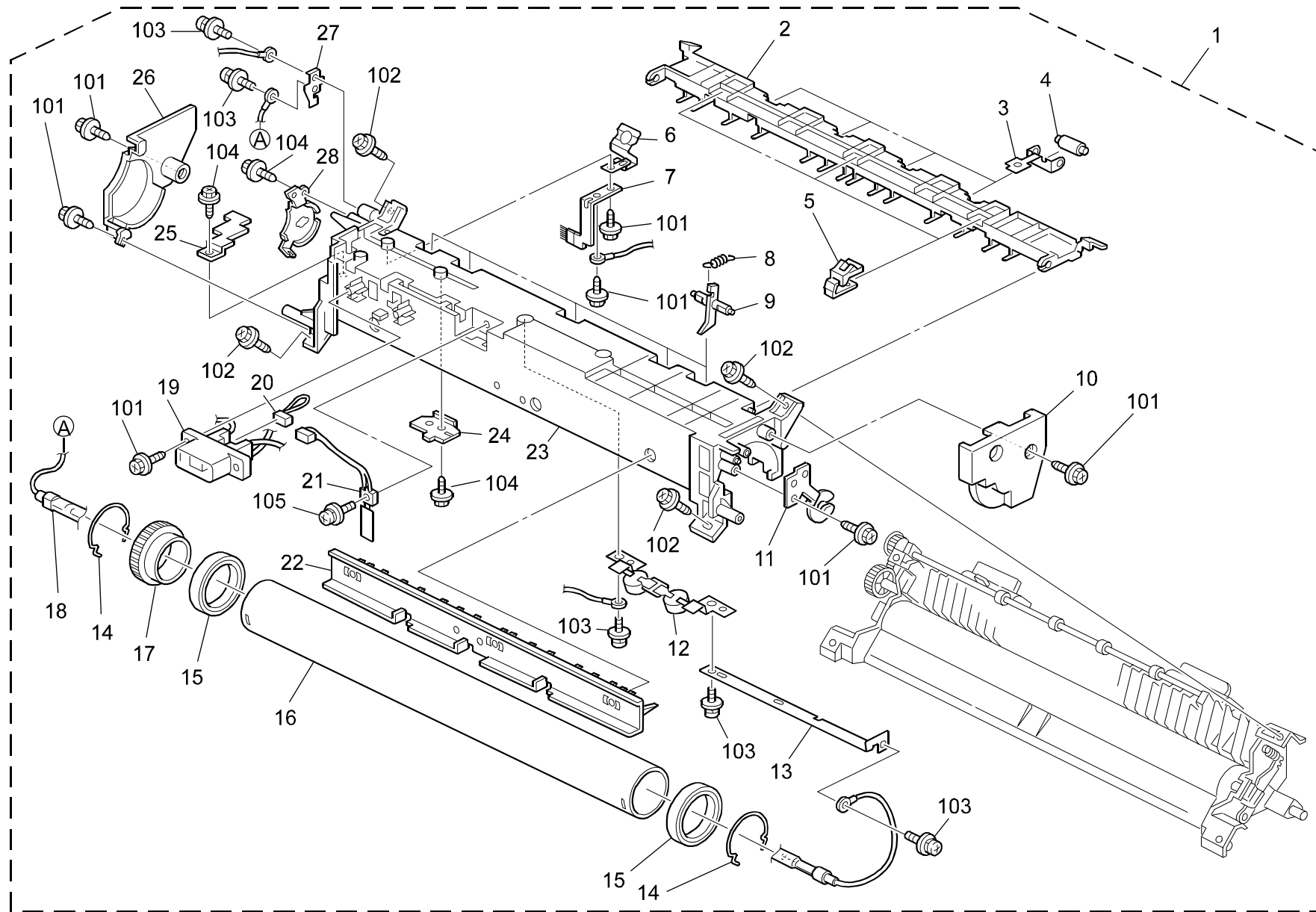
## 6.PAPER TRANSPORT (G091/G116)

Index No.	Part No.	Description	Q'ty Per Assembly
1	G052 1019	Pin - Transport Guide	4
2	G052 3323	Registration Sensor Bracket	1
3	AW02 0119	Photointerruptor - LG-2481	1
4	G076 3619	Transfer Roller Gear (G091)	1
4	G129 6252	Gear - Transfer Roller (G116)	1
5	<b>G052 3616</b>	<b>Transfer Roller (G091)</b>	<b>1</b>
5	<b>G111 6256</b>	<b>Transfer Roller (G116)</b>	<b>1</b>
6	G052 3618	Positioning Roller - Transfer (G091)	1
6	G129 6251	Positioning Roller - Transfer (G116)	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
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 (G116)	2

Index No.	Part No.	Description	Q'ty Per Assembly
101	0450 3008B	Tapping Screw - M3x8	
102	1005 0890	Decal - Tuv	



# 7.FUSING UNIT 1 (G091/G116)

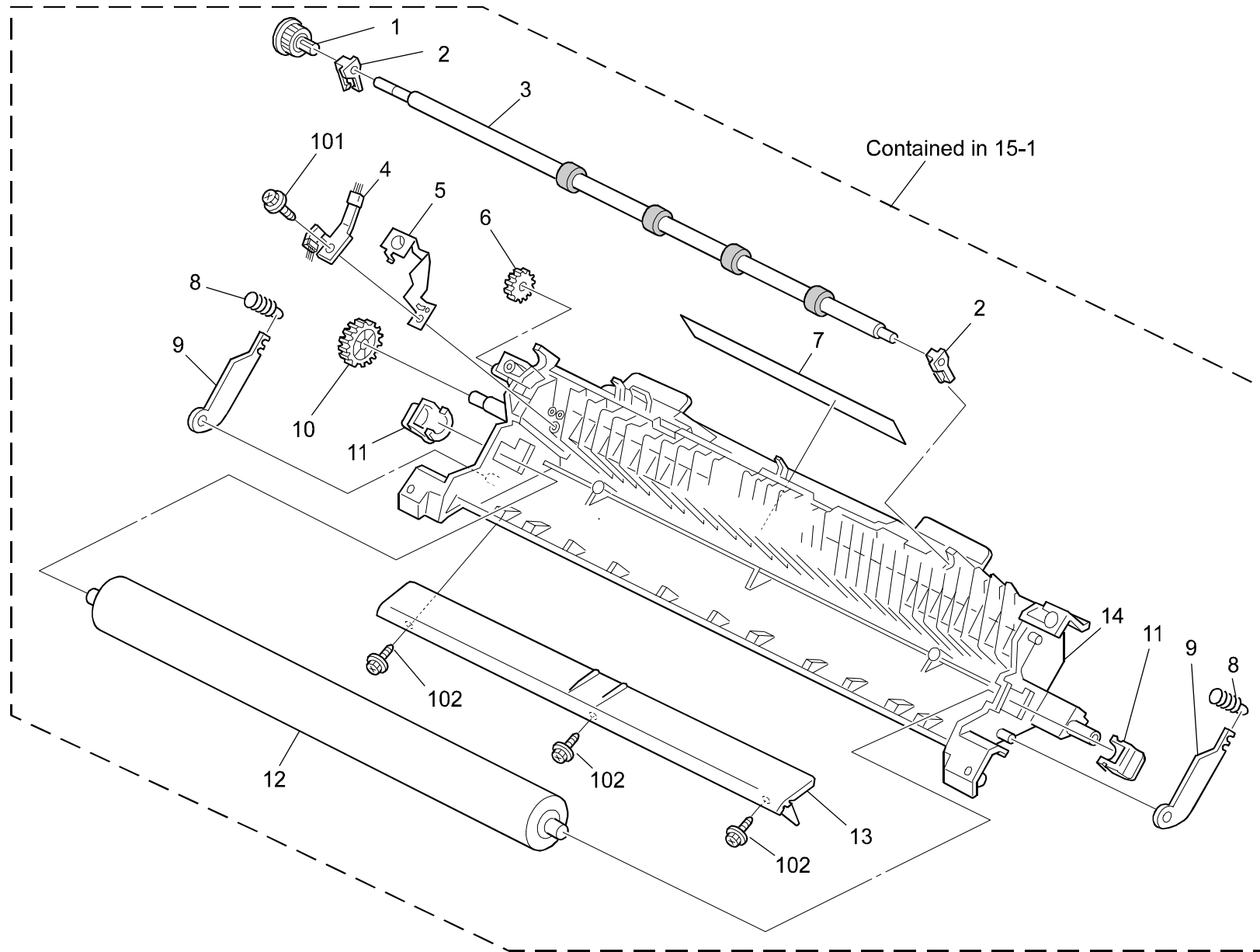


## 7.FUSING UNIT 1 (G091/G116)

Index No.	Part No.	Description	Q'ty Per Assembly
1	G088 4552	Fusing Unit NA Ass'y (G091)	1
1	G088 4553	Fusing Unit EU Ass'y (G091)	1
1	G111 4117	Fusing Unit Ass'y - P4 NA (G116)	1
1	G111 4127	Fusing Unit Ass'y - P4 EU (G116)	1
2	G052 4635	Fusing Exit Guide	1
3	G052 4639	Exit Roller Holder	4
4	G800 4854	Exit Roller	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
<b>9</b>	<b>G052 4624</b>	<b>Hot Roller Stripper</b>	<b>5</b>
10	G052 4699	Fusing Right Cover	1
11	G088 4616	Right Fusing Lamp Bracket	1
12	G088 4611	Thermostat:190C:Ass'y	1
13	G052 4602	Terminal Plate - Thermostat	1
14	G052 4700	External Circlip	2
<b>15</b>	<b>G052 4618</b>	<b>Bearing 30x42x7</b>	<b>2</b>
<b>16</b>	<b>G052 4614</b>	<b>Hot Roller:K (G091)</b>	<b>1</b>
<b>16</b>	<b>G111 4063</b>	<b>Hot Roller (G116)</b>	<b>1</b>
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)	1
19	G052 5510	Fusing Drawer - 230V (G091)	1
19	G111 5500	Fusing Drawer - 100V (G116)	1
19	G111 5510	Fusing Drawer - 230V (G116)	1
20	G088 5520	Fusing Drawer Sensor NA Ass'y (G091)	1
20	G088 5521	Fusing Drawer Set Sensor EU Ass'y (G091)	1
20	G111 5520	Fusing Drawer Sensor - NA (G116)	1
20	G111 5521	Fusing Drawer Sensor - EU (G116)	1
<b>21</b>	<b>G052 5501</b>	<b>Fusing Thermistor (G091)</b>	<b>1</b>
<b>21</b>	<b>G111 4064</b>	<b>Thermistor (G116)</b>	<b>1</b>
22	G088 4643	Upper Fusing Entrance Guide (NA)	1
22	G052 4644	Upper Fusing Entrance Guide (EU)	1

Index No.	Part No.	Description	Q'ty Per Assembly
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	1
28	G088 4615	Bracket:Heater:Left	1
101	0450 3008B	Tapping Screw - M3x8	
102	0450 3012B	Tapping Screw - 3x12	
103	0954 3008B	Philips Screw - M3x8	
104	0450 3010B	Tapping Screw - M3x10	
105	0954 3010B	Philips Screw - M3x10	

# 8.FUSING UNIT 2 (G091/G116)

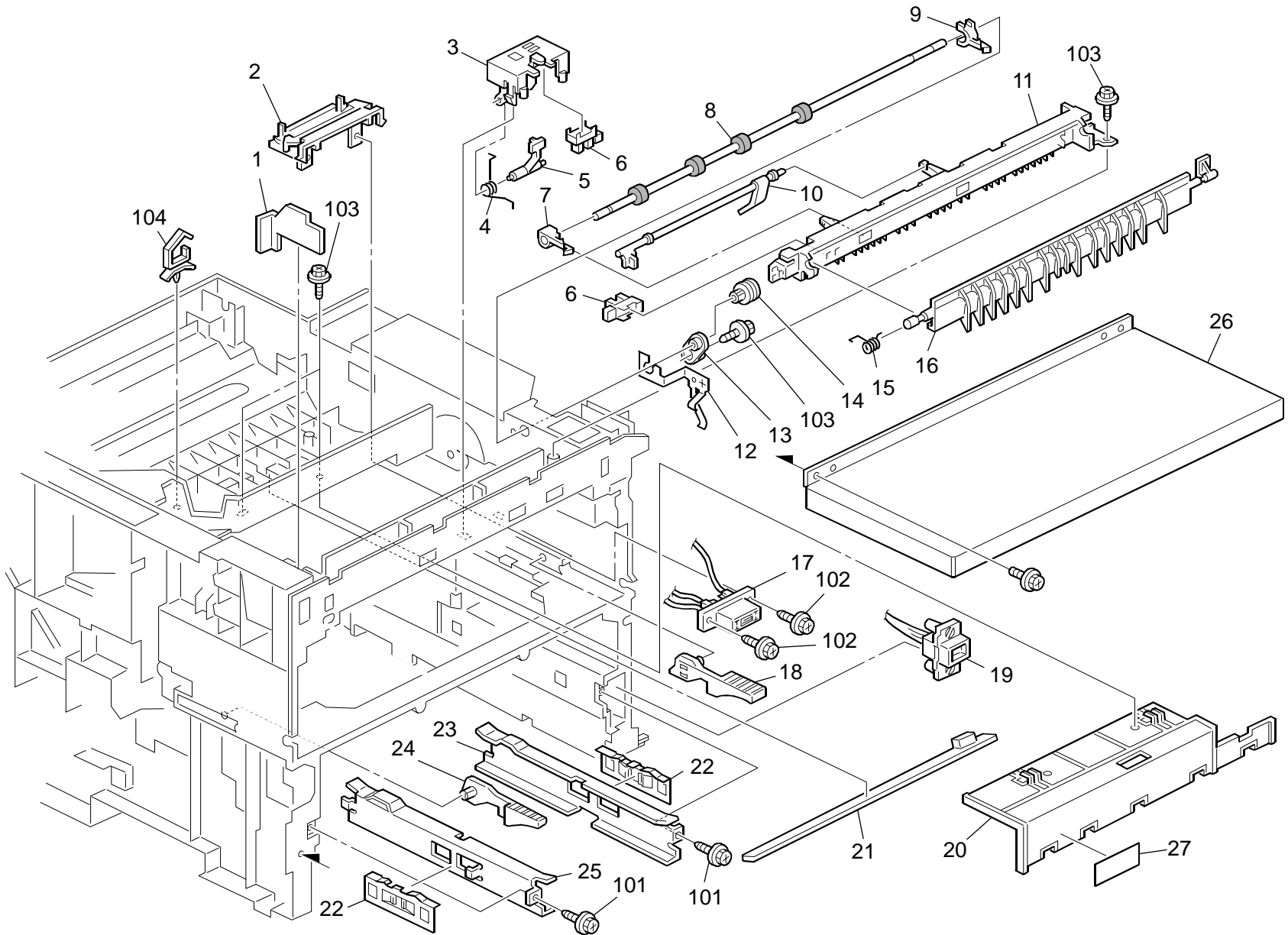


## 8.FUSING UNIT 2 (G091/G116)

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	G052 4693	Decal - High Temperature	1
8	G088 4664	Spring:Fusing:Pressure (G091)	2
8	G111 4062	Pressure Spring - Fusing (G116)	2
9	G052 4662	Pressure Roller Lever	2
10	G052 4677	Gear - Fusing Idler	1
11	<b>G052 4665</b>	<b>Bushing - Pressure Roller</b>	<b>2</b>
12	<b>G088 4656</b>	<b>Pressure Roller</b>	<b>1</b>
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 3008B	Tapping Screw - M3x8	
102	0450 3010B	Tapping Screw - M3x10	

# 9.PAPER EXIT (G091/G116)

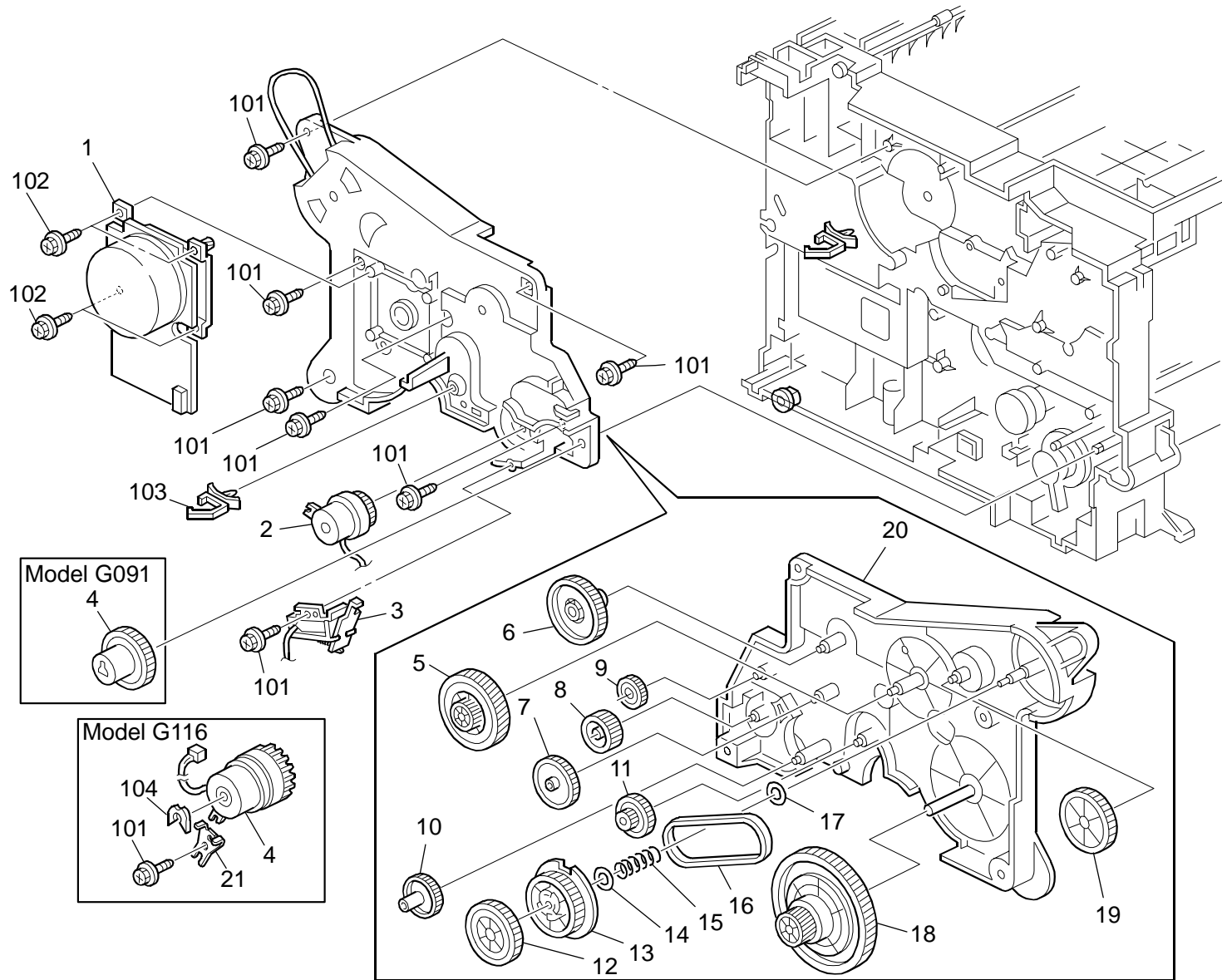


## 9.PAPER EXIT (G091/G116)

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	AW02 0119	Photointerruptor - LG-24811	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 NA (G091)	1
17	G088 5424	Harness - Fusing EU (G091)	1
17	G111 5423	Harness - Fusing : NA (G116)	1
17	G111 5424	Harness - Fusing : EU (G116)	1
18	G052 4697	Left Fusing Lock Lever	1
19	G052 5414	Harness - Duplex (G091)	1
19	G111 5414	Harness - Option Duplex (G116)	1
20	G052 1022	Fusing Stopper Plate	1
21	G052 3522	Discharge Lamp	1
22	G052 1027	Spring Plate - Duplex Rail	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	Paper Tray Rear Cover	1
27	G128 1151	Decal:Warning (High Temperature)(G116)	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	0450 3014B	Tapping Screw - M3x14	
102	0450 4010B	Tapping Screw - 4x10	
103	0450 3008B	Tapping Screw - M3x8	
104	1105 0310	Harness Clamp - LWS-1S	

# 10.DRIVE SECTION (G091/G116)



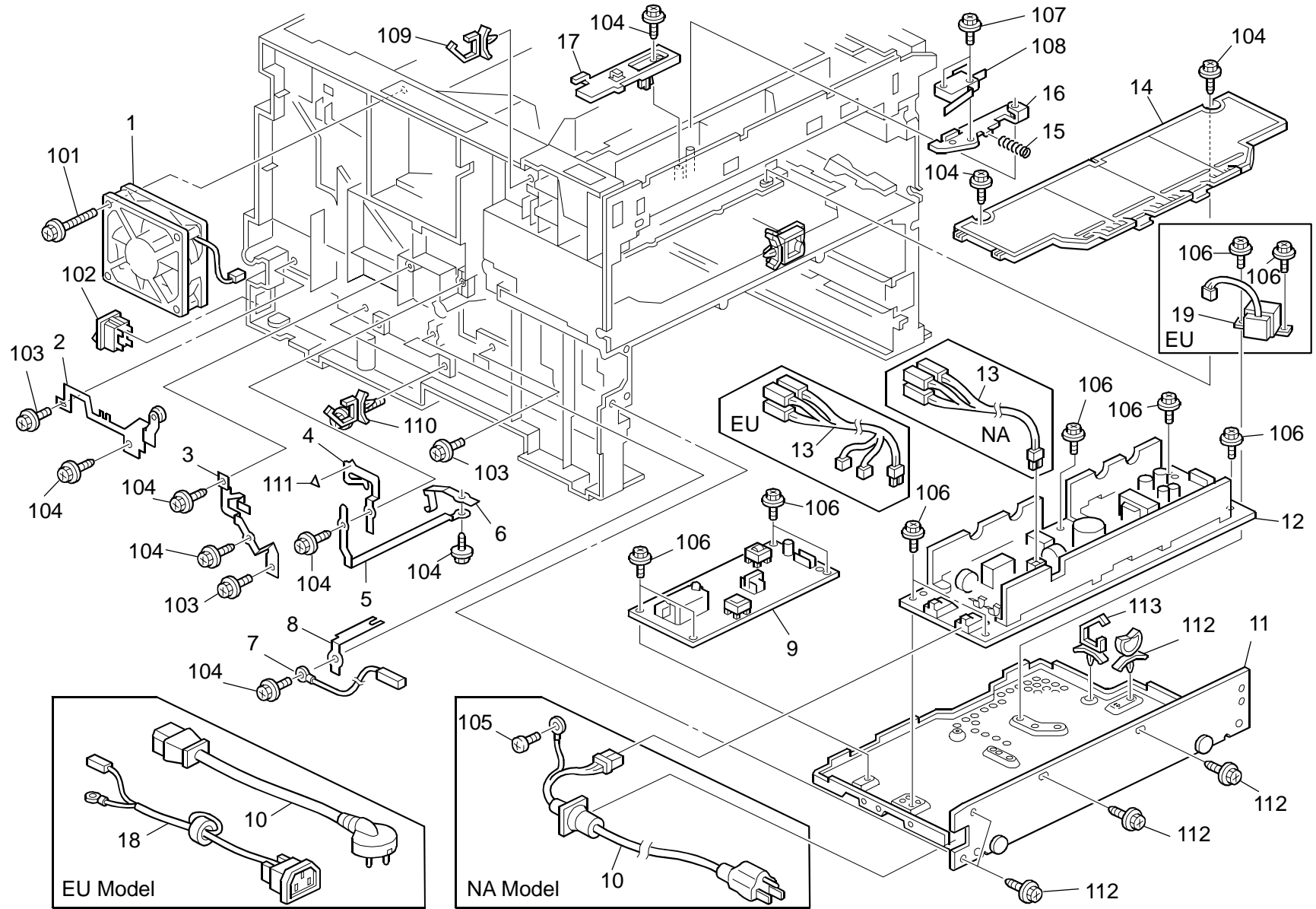


## 10.DRIVE SECTION (G091/G116)

Index No.	Part No.	Description	Q'ty Per Assembly
1	G088 1150	Brushless Motor:24V:20W (G091)	1
1	G129 1050	Brushless Motor:24V:20W (G116)	1
2	AX20 0209	Magnetic Clutch - Z25 (G091)	1
2	G111 2590	Magnetic Clutch - 0.25N.M Z25 (G116)	1
3	G052 3388	Solenoid - DC24V (G091)	1
4	G088 3297	Spring Clutch:Manual Feed (G091)	1
4	G129 2551	Magnetic Clutch:1turn:Z41 (G116)	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	G088 1103	Gear:PCU	1
19	G052 1105	Gear - FUSING 2	1
20	G052 1102	Drive Unit Bracket	1
21	G129 2550	Stopper:Magnetic Clutch (G116)	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	0450 3010B	Tapping Screw - M3x10	
102	0450 4010B	Tapping Screw - 4x10	
103	1105 0292	Wire Saddle	
104	0805 0089	Retaining Ring - M4	

# 11.ELECTRICAL SECTION 1 (G091/G116)

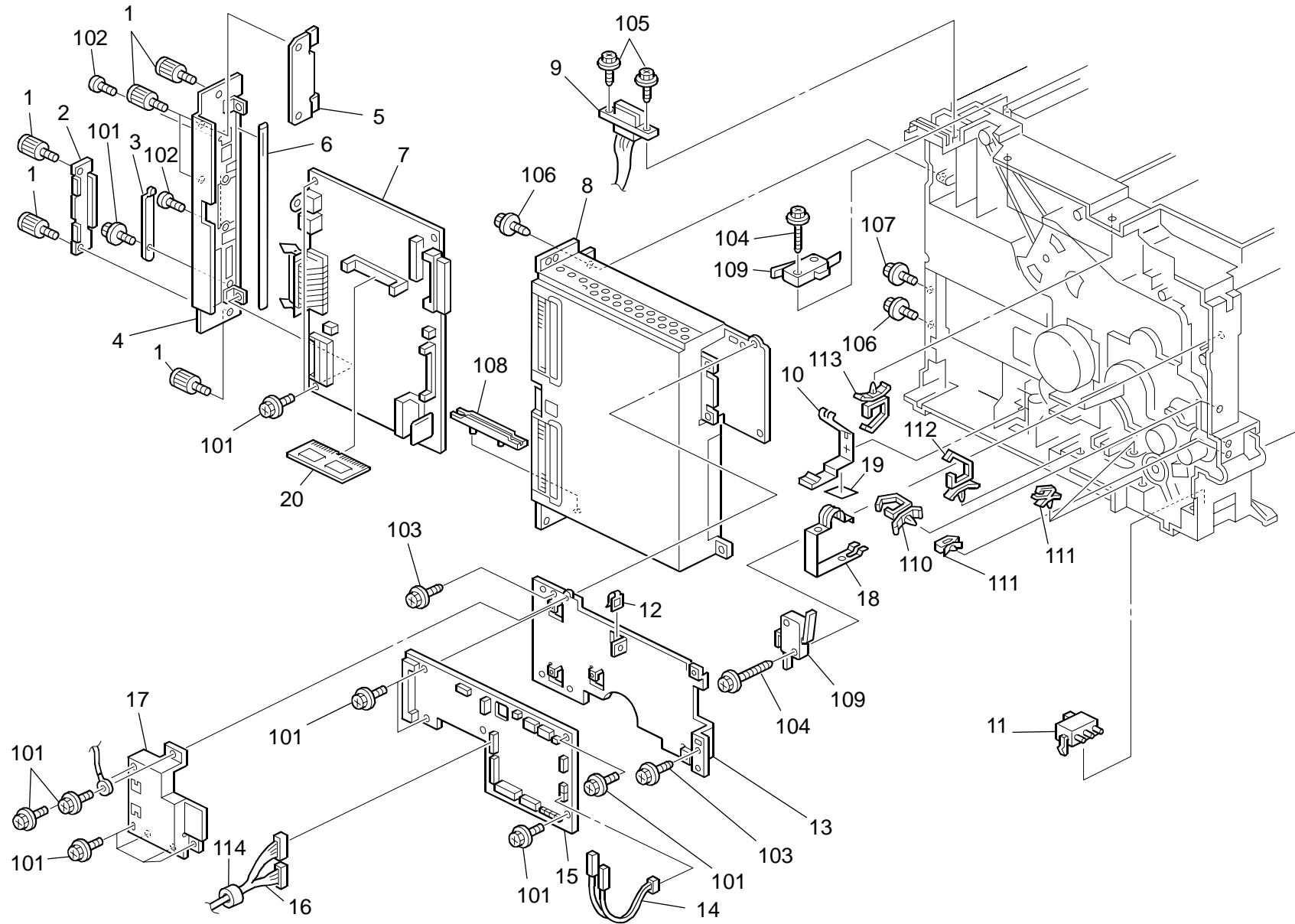


## 11.ELECTRICAL SECTION 1 (G091/G116)

Index No.	Part No.	Description	Q'ty Per Assembly
1	G088 5225	Fan Motor - DC 24V 4.32W (G091)	1
1	G111 1051	Fan Motor - DC 24V 4.32W (G116)	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	G052 5419	Harness - Power Pack (G091)	1
7	G111 5419	Harness - Power Pack (G116)	1
8	G052 3623	Transfer Terminal	1
9	G088 5300	Power Pack:BCT:P3 (G091)	1
9	G096 5300	Power Pack BCT (G116)	1
10	G052 5522	Power Cord - 120V Taiwan	1
10	GZ00 0003	Power Cord - 230V (G091)	1
10	G102 5502	Power Supply Cord:EU (G116)	1
11	G076 1221	PSU Bracket - 120V	1
11	G076 1224	PSU Bracket - 230V	1
12	G088 5210	Power Supply Unit:135W:DOM/NA (G091)	1
12	G088 5212	Power Supply Unit:135W:HAL (G116)	1
12	G088 5211	Power Supply Unit 135W EU	1
13	G052 5409	Harness - Main Switch (G091)	1
13	G052 5422	Harness - Main SW 230V (G091)	1
13	G111 5409	Harness - Main Switch : DOM/NA (G116)	1
13	G111 5422	Harness - Main Switch : EU (G116)	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 4035B	Philips Tapping Screw - M4x35	
102	1204 2477	Rocker Switch - AC250V 10A (G091)	
102	1204 2628	Switch 250V/10A (G116)	
103	0451 3006B	Tapping Screw - M3x6	
104	0450 3008B	Tapping Screw - M3x8	
105	0950 4006B	Screw - M4X6	
106	0802 5276	Tapping Screw With Washer - M3x6	
107	0451 3014B	Tapping Screw - M3-14	
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	

## 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
2	G056 6005	HDD Cover	1
3	G072 6006	Cover:Card (G091)	1
3	G110 5103	Card Cover (G116)	1
4	G090 6001	Panel - Control Board : Peen (G091)	1
4	G116 5101	Panel - Control Board (G116)	1
5	G089 6006	Cover - Option	1
6	G089 5950	Gasket:65TS5-2CH	1
7	G091 5701	PCB Main EXP NIC	1
8	G076 1241	Controller Bracket	1
9	G052 5413	Harness - Paper Exit - Option (G091)	1
9	G111 5413	Harness - Paper Exit (G116)	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	G052 5410	Harness - Interlock (G091)	1
14	G111 5410	Harness - Interlock (G116)	1
15	G088 5121	PCB EGB Ass'y - NA (G091)	1
15	G088 5122	PCB EGB Ass'y - EU (G091)	1
15	G111 5121	PCB - Engine Board : NA (G116)	1
15	G111 5122	PCB - Engine Board : EU (G116)	1
16	G088 5428	Harness - Power Source : DOM/NA (G091)	1
16	G088 5421	Harness - Power Source EU (G091)	1
16	G111 5428	Harness - Power Source : DOM/NA (G116)	1
16	G111 5421	Harness - Power Source : EU (G116)	1
17	G088 1216	Cover:EGB	1
18	G088 3064	Ground Spring Plate	1
19	G088 3065	Gasket:Ground Plate	1
20	G331 5740	PCB:SDRAM-DIMM:128MB:PBF:Ass'y (G116)	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	0451 3006B	Tapping Screw - M3x6	
102	0353 0040Z	Binding Head Screw M3x4 (100pcs)	
103	0450 3008B	Tapping Screw - M3x8	
104	0450 3016B	Tapping Screw - M3x16	
105	0450 3010B	Tapping Screw - M3x10	
106	0450 3008H	Tapping Screw - M3x8	
107	0451 4006H	Tapping Screw - M4x6	
108	1005 0808	C/T Guide Rail	
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	
114	1607 1071	Ferrite Core-NFR-201010	

### 13.MAIN CONTROL 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	163	---	---	---	---	---	---	---	---	---	---	---	---
---	---	---	---	---	---	---	---	C52	160	---	---	---	---
C3	163	C13	152	---	---	C43	163	---	---	---	---	---	---
C4	163	C14	162	---	---	C44	159	C54	160	---	---	C74	163
C5	163	C15	162	---	---	C45	160	C55	163	---	---	---	---
---	---	---	---	---	---	---	---	---	---	---	---	---	---
---	---	C16	152	C26	160	---	---	C56	163	---	---	---	---
---	---	C17	162	C27	160	---	---	C57	163	---	---	---	---
C8	159	C18	163	C28	160	C48	160	C58	163	---	---	---	---
C9	159	C19	162	---	---	C49	160	C59	163	---	---	---	---
---	---	---	---	C40	160	C50	160	C60	163	C70	157	---	---

#### 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	147	C91	148	---	---	---	---	C191	161	C251	163	C261	165
---	---	C92	148	C152	163	---	---	---	---	---	---	---	---
---	---	C93	148	---	---	C183	165	---	---	---	---	---	---
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---	---	C95	163	C165	163	C185	165	---	---	---	---	---	---
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C87	157	---	---	---	---	---	---	---	---	C257	165	C267	145
C88	163	---	---	---	---	---	---	---	---	C258	165	C268	162
C89	163	C149	145	---	---	C188	161	---	---	C259	165	C269	162
C90	148	---	---	---	---	---	---	---	---	C260	165	C270	207

## 13.MAIN CONTROL 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.
C271	162	---	---	C301	163	---	---	C321	160	---	---	C341	163
C272	158	---	---	---	---	C312	163	C322	150	---	---	C342	163
C273	147	---	---	C303	162	---	---	C323	162	C333	150	---	---
---	---	---	---	C304	158	C314	150	---	---	C334	150	---	---
---	---	---	---	---	---	C315	163	C325	162	C335	150	---	---
---	---	---	---	---	---	---	---	C326	150	C336	163	C346	163
C277	162	---	---	---	---	C316	162	---	---	---	---	---	---
C278	153	C298	160	---	---	C317	157	C328	150	C338	163	C348	150
---	---	C299	163	---	---	---	---	---	---	---	---	---	---
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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.
C351	163	---	---	C371	163	C391	163	C401	155	C411	146	C421	163
---	---	C362	163	C372	163	C392	163	---	---	C412	146	C422	163
---	---	C363	163	C373	208	C393	163	---	---	C413	163	---	---
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
C360	163	C370	163	---	---	---	---	C410	147	C420	163	C430	163

# 13.MAIN CONTROL 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.
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
---	---	C445	163	C455	163	---	---	C475	163	C485	160	C495	160
---	---	C446	163	C456	163	C466	163	C476	163	---	---	C496	160
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

## 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.
C501	165	---	---	---	---	---	---	C591	163	---	---	CN1	102
C502	163	---	---	---	---	---	---	---	---	---	---	CN2	106
---	---	---	---	---	---	---	---	C593	154	---	---	---	---
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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	---	---	---	---
---	---	C519	163	C579	163	C589	163	C599	156	---	---	CN9	103
C510	165	---	---	---	---	---	---	---	---	---	---	CN10	104

## CONNECTOR



### 13.MAIN CONTROL BOARD (G091)

#### CONNECTOR

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

#### DIODE

SYMBOL NO.	INDEX NO.
D3	114
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D5	114

#### FIL

SYMBOL NO.	INDEX NO.
FIL26	170
FIL27	168
FIL28	168
FIL29	167
FIL30	169
FIL31	169

#### IC

SYMBOL NO.	INDEX NO.
HIC1	2
IC2	127
IC3	125
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IC5	1
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IC6	211
IC7	211
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SYMBOL NO.	INDEX NO.
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IC15	121
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IC20	129

SYMBOL NO.	INDEX NO.
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IC38	123
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SYMBOL NO.	INDEX NO.
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IC47	119
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#### IC

SYMBOL NO.	INDEX NO.
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IC55	124
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IC57	130
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IC59	118
IC60	134

SYMBOL NO.	INDEX NO.
IC61	131
IC62	133
IC63	122
IC64	210
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IC68	126
(SOCKET)	112
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SYMBOL NO.	INDEX NO.
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IC77	128
IC78	120

#### JP

SYMBOL NO.	INDEX NO.
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JP17	175
JP18	175
JP19	175
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SYMBOL NO.	INDEX NO.
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JP22	175
JP23	175
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JP28	175
JP29	175
JP30	175

SYMBOL NO.	INDEX NO.
JP31	175
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JP35	175
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JP36	175
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JP38	175
JP39	175
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SYMBOL NO.	INDEX NO.
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JP45	176
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JP46	176
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# 13.MAIN CONTROL BOARD (G091)

## JP

SYMBOL NO.	INDEX NO.
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JP57	174
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SYMBOL NO.	INDEX NO.
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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

SYMBOL NO.	INDEX NO.
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R25	187
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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

SYMBOL NO.	INDEX NO.
R51	187
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R87	196
R88	196
R89	181
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SYMBOL NO.	INDEX NO.
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R93	196
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R98	196
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SYMBOL NO.	INDEX NO.
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R108	198
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R110	178

SYMBOL NO.	INDEX NO.
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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### 13.MAIN CONTROL BOARD (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.
---	---	---	---	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
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---	---	R308	187	R318	179	R328	179	---	---	---	---	R359	186
---	---	R309	178	R319	204	---	---	R339	201	R349	187	R360	204
R290	187	R310	189	R320	187	R330	179	---	---	---	---	---	---

## 13.MAIN CONTROL BOARD (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.
---	---	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 (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	---	---	---	---	---	---	---	---	R567	190	R577	179
R518	187	---	---	R538	187	R547	194	---	---	R568	190	R578	179
R519	187	---	---	R539	187	---	---	R558	177	---	---	R579	179
R520	187	---	---	R540	187	---	---	R559	177	---	---	R580	187
								R560	187	R570	191		

## 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.
R581	187	R591	187	REG1	132	RN1	142	RN11	142	---	---	---	---
R582	187	R592	187	REG2	135	---	---	RN12	142	---	---	---	---
R583	187	R593	187			---	---	RN13	142	---	---	---	---
R584	187	R594	179			---	---	RN14	142	RN24	142	---	---
R585	187	---	---			---	---	---	---	RN25	142	RN65	144
R586	187	R596	179			---	---	RN16	142	---	---	---	---
R587	187					---	---	RN17	142	RN26	142	---	---
R588	187					---	---	RN18	142	RN27	142	---	---
R589	187					---	---	---	---	RN28	142	---	---
R590	187					RN10	142	---	---	RN29	142	---	---
								---	---	RN30	142	---	---

# 13.MAIN CONTROL BOARD (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.
---	---	---	---	---	---	---	---	---	---	---	---	---	---
RN72	140	RN82	144	RN92	142	---	---	RN111	142	RN121	142	RN131	142
RN73	140	RN83	142	---	---	---	---	RN112	139	RN122	142	RN132	142
RN74	140	RN84	142	---	---	---	---	RN113	139	RN123	142	RN133	142
---	---	RN85	142	---	---	---	---	RN114	139	RN124	142	RN134	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	---	---	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

### 13.MAIN CONTROL BOARD (G091)

Index No.	Part No.	Description	Q'ty Per Assembly
*	G091 5702	PCB:Kir-P3:Main:EXP:NIC	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 0413	Connetctor - 28p	
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 Oscilator - 25MHZ	
138	1503 1138	Crystal Oscilator - 48MHZ	
139	1601 7877	Resistor Array 4.7k $\Omega$ $\pm$ 5% 1/32W	
140	1601 7887	Resistor Array - 10K $\Omega$ $\pm$ 5% 1/32W	
141	1601 7896	Resistor Array - 56 $\Omega$ $\pm$ 5% 1/32W	
142	1601 7898	Resistor Array	
143	1601 7900	Resistor Array - 0 $\Omega$ $\pm$ 5%	
144	1601 7943	Resistor Array - 68 $\Omega$ $\pm$ 5% 1/32W	
145	1604 2362	Capacitor - 100 $\mu$ F $\pm$ 20% 25V	
146	1604 5135	Capacitor - 1000 $\mu$ F $\pm$ 20% 10V	
147	1604 5136	Capacitor - 680 $\mu$ F $\pm$ 20% 10V	
148	1605 0971	Ceramic Capacitor	
149	1605 1025	Capacitor - 1000pF $\pm$ 10% 2KV	
150	1605 1108	Capacitor - 0.01 $\mu$ 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 $\mu$ F $\pm$ 10% 6.3V	
160	1605 1228	Capacitor:0.1uf: $\pm$ 10%:25V	
161	1605 1238	Capacitor - 2.2 $\mu$ F $\pm$ 10% 6.3V	
162	1605 1240	Capacitor - 0.01 $\mu$ F $\pm$ 10% 25V	
163	1605 1289	Capacitor - 0.1 $\mu$ F $\pm$ 10% 10V	
164	1605 1295	Capacitor:10uf:+80-20%:10v	
165	1605 1305	Capacitor - 1 $\mu$ 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 $\Omega$ $\pm$ 0.5%1/16W	
174	1610 1697	Resistor - 33 $\Omega$ $\pm$ 0.5%1/10W	
175	1632 0000	Resistor - 0 $\Omega$ 1/8W	
176	1634 0000	Resistor - 0 $\Omega$ 1/16W	
177	1650 4101	Resistor - 100 $\Omega$ $\pm$ 5%1/10W	
178	1650 4102	Resistor - 1K $\Omega$ $\pm$ 5% 1/10W	
179	1650 4103	Resistor - 10K $\Omega$ $\pm$ 5% 1/10W	
180	1650 4105	Resistor - 1M $\Omega$ $\pm$ 5% 1/10W	
181	1650 4122	Resistor - 1.2K $\Omega$ $\pm$ 5% 1/10W	
182	1650 4152	Resistor - 1.5K $\Omega$ $\pm$ 5% 1/10W	
183	1650 4153	Resistor - 15K $\Omega$ $\pm$ 5% 1/10W	
184	1650 4220	Chip Resistor - 22 $\Omega$ $\pm$ 5% 1/10W	
185	1650 4271	Resistor - 270 $\Omega$ $\pm$ 5%1/10W	
186	1650 4303	Resistor - 30K $\Omega$ $\pm$ 5% 1/10W	
187	1650 4330	Chip Resistor - 33 $\Omega$ $\pm$ 5% 1/10W	
188	1650 4331	Resistor - 330 $\Omega$ $\pm$ 5%1/10W	
189	1650 4470	Resistor - 47 $\Omega$ $\pm$ 5%1/10W	
190	1650 4471	Resistor - 470 $\Omega$ $\pm$ 5%1/10W	
191	1650 4472	Resistor - 4.7K $\Omega$ $\pm$ 5% 1/10W	
192	1650 4512	Resistor - 5.1K $\Omega$ $\pm$ 5%1/10W	
193	1650 4519	Resistor:5.1 $\Omega$ : $\pm$ 5%:1/10W	
194	1650 4560	Chip Resistor - 56 $\Omega$ $\pm$ 5% 1/10W	
195	1650 4562	Resistor - 5.6K $\Omega$ $\pm$ 5% 1/10W	
196	1650 4680	Resistor - 68 $\Omega$ $\pm$ 5%1/10W	
197	1650 4683	Resistor - 68K $\Omega$ $\pm$ 5% 1/10W	
198	1650 4820	Resistor - 82 $\Omega$ $\pm$ 5% 1/10W	
199	1650 4821	Chip Resistor - 820 $\Omega$ $\pm$ 5% 1/10W	
200	1654 1242	Resistor - 12.4K $\Omega$ $\pm$ 1% 1/10W	
201	1654 3909	Resistor - 39 $\Omega$ $\pm$ 1%1/10W	
202	1654 4999	Resistor - 49.9 $\Omega$ $\pm$ 1%1/10W	
203	1654 5499	Resistor - 54.9 $\Omega$ $\pm$ 1%1/10W	
204	1654 7509	Resistor - 75 $\Omega$ $\pm$ 1% 1/10W	
205	1654 8200	Resistor - 820 $\Omega$ $\pm$ 1%1/10W	



Index No.	Part No.	Description	Q'ty Per Assembly
206	1654 9311	Resistor - 9.31K $\Omega$ $\pm$ 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

## 14.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

## 14.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

# 14.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.		
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

# 14.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
---	---
---	---

## 14.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

## 14.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.
R281	183	R291	193	R301	184	R311	193
R282	184	R292	184	R302	203	R312	193
R283	184	R293	193	R303	183	R313	184
R284	184	R294	193	R304	203	R314	193
R285	184	R295	193	R305	199	R315	203
R286	184	R296	193	R306	203	---	---
R287	193	---	---	---	---	---	---
R288	193	---	---	R308	184	R318	180
R289	193	---	---	---	---	R319	193
---	---	---	---	R310	193		

### REG

SYMBOL NO.	INDEX NO.
REG1	132
REG2	132
REG3	135

### RN

SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.
RN1	141	RN11	141
RN2	177	RN12	144
RN3	141	RN13	143
RN4	141	RN14	143
RN5	141	RN15	143
RN6	143	RN16	143
RN7	143	RN17	142
RN8	141	RN18	142
RN9	141	RN19	142
RN10	141	RN20	143

# 14.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.
R281	183	R291	193	R301	184	R311	193
R282	184	R292	184	R302	203	R312	193
R283	184	R293	193	R303	183	R313	184
R284	184	R294	193	R304	203	R314	193
R285	184	R295	193	R305	199	R315	203
R286	184	R296	193	R306	203	---	---
R287	193	---	---	---	---	---	---
R288	193	---	---	R308	184	R318	180
R289	193	---	---	---	---	R319	193
---	---	---	---	R310	193		

## REG

SYMBOL NO.	INDEX NO.
REG1	132
REG2	132
REG3	135

## RN

SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.
RN1	141	RN11	141
RN2	177	RN12	144
RN3	141	RN13	143
RN4	141	RN14	143
RN5	141	RN15	143
RN6	143	RN16	143
RN7	143	RN17	142
RN8	141	RN18	142
RN9	141	RN19	142
RN10	141	RN20	143



## 14.MAIN CONTROL BOARD (G116)

RN

SYMBOL NO.	INDEX NO.
RN21	143
RN22	143
RN23	143
RN24	143
RN25	143
RN26	143
RN27	143
RN28	143
RN29	143
RN30	176

SYMBOL NO.	INDEX NO.
RN31	176
RN32	176
---	---
RN34	142
RN35	143
---	---
RN37	143
RN38	143
---	---
---	---

SYMBOL NO.	INDEX NO.
RN41	175
RN42	175
RN43	175
RN44	175
RN45	175
RN46	176
RN47	143
---	---
RN49	143
RN50	143

SYMBOL NO.	INDEX NO.
RN51	142
---	---
---	---
---	---
RN55	143
RN56	143
RN57	143
RN58	141
RN59	177
RN60	143
RN61	143

SYMBOL NO.	INDEX NO.
RN62	144
RN63	144
RN64	143
RN65	143
RN66	143
RN67	143
RN68	177

SYMBOL NO.	INDEX NO.
SW1	111

SYMBOL NO.	INDEX NO.
T1	173

## 14.MAIN CONTROL BOARD (G116)

Index No.	Part No.	Description	Q'ty Per Assembly
*	G116 5317	Control Board - G116 Model	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 - K15budv003ccfp	
129	1407 6201	CMOS Logic Sn74lvc1g125dck	
130	1407 6249	RAM:Fm25l256-pg	
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 $\Omega$ $\pm$ 5% 1/32W	
142	1601 7896	Resistor Array - 56 $\Omega$ $\pm$ 5% 1/32W	
143	1601 7898	Resistor Array	
144	1601 7943	Resistor Array - 68 $\Omega$ $\pm$ 5% 1/32W	
145	1604 2362	Capacitor - 100 $\mu$ F $\pm$ 20% 25V	
146	1604 4683	Capacitor - 100UF $\pm$ 20% 10V	
147	1604 5135	Capacitor - 1000 $\mu$ F $\pm$ 20% 10V	
148	1604 5136	Capacitor - 680 $\mu$ 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 - 0.1 UF+80-20%:16V	
161	1605 1224	Capacitor 4.7 $\mu$ F $\pm$ 10% 6.3v	
162	1605 1240	Capacitor - 0.01 $\mu$ F $\pm$ 10% 25V	
163	1605 1288	Capacitor - 220pF $\pm$ 5% 50V	
164	1605 1289	Capacitor - 0.1 $\mu$ F $\pm$ 10% 10V	
165	1605 1295	Capacitor:10uf:+80-20%:10v	
166	1605 1303	Capacitor - 0.01 $\mu$ F+80-20% 50V	
167	1605 1305	Capacitor - 1 $\mu$ F+80-20% 6.3V	
168	1605 1307	Capacitor - 2.2 $\mu$ 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 - T1a-6t118lf	
174	1607 1637	Coil:Acm2012-900-2p	
175	1609 0005	Registor:33 $\Omega$ : $\pm$ 5%:1/16w	
176	1609 0011	Registor:22 $\Omega$ : $\pm$ 5%:1/16w	
177	1609 0020	Registor:10 $\Omega$ : $\pm$ 5%:1/16w	
178	1610 1795	Resistor - 33 $\Omega$ $\pm$ 0.5% 1/10W	
179	1632 0000	Resistor - 0 $\Omega$ 1/8W	
180	1634 0000	Resistor - 0 $\Omega$ 1/16W	
181	1650 4100	Resistor - 10 $\Omega$ $\pm$ 5% 1/10W	
182	1650 4101	Resistor - 100 $\Omega$ $\pm$ 5%1/10W	
183	1650 4102	Resistor - 1K $\Omega$ $\pm$ 5% 1/10W	
184	1650 4103	Resistor - 10K $\Omega$ $\pm$ 5% 1/10W	
185	1650 4105	Resistor - 1M $\Omega$ $\pm$ 5% 1/10W	
186	1650 4122	Resistor - 1.2K $\Omega$ $\pm$ 5% 1/10W	
187	1650 4150	Resistor - 15 $\Omega$ $\pm$ 5% 1/10W	
188	1650 4152	Resistor - 1.5K $\Omega$ $\pm$ 5% 1/10W	
189	1650 4153	Resistor - 15K $\Omega$ $\pm$ 5% 1/10W	
190	1650 4220	Chip Resistor - 22 $\Omega$ $\pm$ 5% 1/10w	
191	1650 4271	Resistor - 270 $\Omega$ $\pm$ 5%1/10W	
192	1650 4303	Resistor - 30K $\Omega$ $\pm$ 5% 1/10W	
193	1650 4330	Chip Resistor - 33 $\Omega$ $\pm$ 5% 1/10w	
194	1650 4331	Resistor - 330 $\Omega$ $\pm$ 5%1/10W	
195	1650 4471	Resistor - 470 $\Omega$ $\pm$ 5%1/10W	
196	1650 4472	Resistor - 4.7K $\Omega$ $\pm$ 5% 1/10W	
197	1650 4512	Resistor - 5.1K $\Omega$ $\pm$ 5%1/10W	
198	1650 4560	Chip Resistor - 56 $\Omega$ $\pm$ 5% 1/10w	
199	1650 4562	Resistor - 5.6K $\Omega$ $\pm$ 5% 1/10W	
200	1650 4569	Resistor - 5.6 $\Omega$ : $\pm$ 5%:1/10W	
201	1650 4680	Resistor - 68 $\Omega$ $\pm$ 5%1/10W	
202	1650 4683	Resistor - 68K $\Omega$ $\pm$ 5% 1/10W	
203	1650 4820	Resistor - 82 $\Omega$ $\pm$ 5% 1/10W	
204	1650 4821	Chip Resistor - 820 $\Omega$ $\pm$ 5% 1/10w	
205	1654 1002	Resistor - 10K $\Omega$ $\pm$ 5%1/10W	

Index No.	Part No.	Description	Q'ty Per Assembly
206	1654 1200	Resistor - 120Ω ±1% 1/10W	
207	1654 1242	Resistor - 12.4K Ω ±1% 1/10W	
208	1654 1600	Chip Resistor:160 Ω	
209	1654 3909	Resistor - 39Ω±1%1/10W	
210	1654 4999	Resistor - 49.9Ω±1%1/10W	
211	1654 5499	Resistor - 54.9Ω±1%1/10W	
212	1654 7509	Resistor - 75Ω±1% 1/10W	
213	1654 8200	Resistor - 820Ω±1%1/10W	
214	1660 2471	Capacitor - 470pF - ±5% - 50V	
215	1660 4102	Capacitor - 1000pF ±10% 50V	
216	1660 6103	Capacitor - 10000pF - +80%-20%50V	
217	1660 8104	Capacitor - 0.1μF+80-20% 25V	
218	1906 0075	Flash Memory - Mbm29pl64lm90pcn	
219	1906 0076	Flash Memory:Mbm29pl12lm12pcn	

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



## 15.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	---	---	---	---	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

# 15.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

## 15.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



# 15.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

## 15.ENGINE BOARD (G091)

Index No.	Part No.	Description	Q'ty Per Assembly
*	G088 5121	PCB EGB Ass'y - NA	1
*	G088 5122	PCB EGB Ass'y - EU	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	1102 8299	Connector - 52610-1017	
117	1102 9108	Connector - 353297-3	
118	1102 9117	Connector - 353297-8	
119	1104 0764	IC Socket - 8 PIN	
120	1204 2415	DIP Switch - DSS802	
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 5271	EEPROM - M24C02-BN6	
132	1408 1770	Series Regulator - R5323N013A	
133	1408 1834	IC - R5510H011N	
134	1503 0697	Crystal Oscilator MA-406 20Mhz	
135	1601 7752	Resistor Array - 10K $\Omega$ $\pm$ 5%	

Index No.	Part No.	Description	Q'ty Per Assembly
136	1601 7791	Resistor Array - 1K $\Omega$ $\pm$ 5%	
137	1601 7866	Resistor Array - 150 $\Omega$ $\pm$ 5%	
138	1601 7871	Resistor - 68 $\Omega$ $\pm$ 5% 1/16W	
139	1601 7898	Resistor Array	
140	1604 4730	Capacitor - 47 $\mu$ F $\pm$ 20% 50V	
141	1604 4733	Capacitor - 100 $\mu$ F $\pm$ 20% 10V	
142	1604 4955	Capacitor - 10 $\mu$ F $\pm$ 20% 16V	
143	1605 0976	Capacitor - 1 $\mu$ F+80% -20% 10V	
144	1605 1148	Capacitor - 0.1 $\mu$ F+80-20% 50V	
145	1605 1353	Capacitor - 0.1 $\mu$ 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 $\Omega$ $\pm$ 5%	
152	1610 1489	Chip Resistor - 300oh, $\pm$ 5%	
153	1611 8472	Resistor - 4.7K $\Omega$	
154	1634 0000	Resistor - 0 $\Omega$ 1/16W	
155	1650 4100	Resistor - 10 $\Omega$ $\pm$ 5% 1/10W	
156	1650 4101	Resistor - 100 $\Omega$ $\pm$ 5%1/10W	
157	1650 4102	Resistor - 1K $\Omega$ $\pm$ 5% 1/10W	
158	1650 4103	Resistor - 10K $\Omega$ $\pm$ 5% 1/10W	
159	1650 4122	Resistor - 1.2K $\Omega$ $\pm$ 5% 1/10W	
160	1650 4153	Resistor - 15K $\Omega$ $\pm$ 5% 1/10W	
161	1650 4201	Resistor - 200 $\Omega$ $\pm$ 5%1/10W	
162	1650 4222	Resistor - 2.2K $\Omega$ $\pm$ 5%1/10W	
163	1650 4300	Resistor - 30 $\Omega$ $\pm$ 5%1/10W	
164	1650 4302	Resistor - 3K $\Omega$ $\pm$ 5%1/10W	
165	1650 4330	Chip Resistor - 33 $\Omega$ $\pm$ 5% 1/10W	
166	1650 4431	Resistor - 430 $\Omega$ $\pm$ 5% 1/10W	
167	1650 4470	Resistor - 47 $\Omega$ $\pm$ 5%1/10W	
168	1650 4472	Resistor - 4.7K $\Omega$ $\pm$ 5% 1/10W	
169	1650 4473	Resistor - 47K $\Omega$ $\pm$ 5%1/10W	
170	1650 4680	Resistor - 68 $\Omega$ $\pm$ 5%1/10W	

Index No.	Part No.	Description	Q'ty Per Assembly
171	1650 4681	Resistor - 680 $\Omega$ $\pm$ 5% 1/10W	
172	1654 1002	Resistor - 10K $\Omega$ $\pm$ 5%1/10W	
173	1654 4301	Resistor - 4.3K $\Omega$ $\pm$ 1%1/10W	
174	1654 6801	Resistor - 6.8K $\Omega$ $\pm$ 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 $\mu$ F+80-20% 25V	
187	1902 0056	RAM - 256K X870ns G14	

## 16.ENGINE 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	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

## 16.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

## 16.ENGINE BOARD (G116)

Q

### RESISTOR

SYMBOL NO.	INDEX NO.
Q1	131
---	---
---	---
Q4	125
---	---
Q6	122
Q7	122
Q8	121
Q9	124
Q10	121

SYMBOL NO.	INDEX NO.
Q11	121
Q12	121
Q13	121
Q14	123

SYMBOL NO.	INDEX NO.
R1	158
R2	158
R3	161
R4	161
R5	161
R6	161
R7	161
R8	161
R9	161
R10	161

SYMBOL NO.	INDEX NO.
R11	161
R12	161
R13	161
R14	162
---	---
R16	162
R17	162
R18	162
R19	162
R20	162

SYMBOL NO.	INDEX NO.
R21	168
R22	162
R23	162
R24	162
R25	162
R26	162
R27	162
R28	162
R29	162
R30	162

SYMBOL NO.	INDEX NO.
R31	162
R32	162
R33	162
R34	162
R35	162
R36	162
---	---
---	---
---	---
---	---

SYMBOL NO.	INDEX NO.
---	---
---	---
R43	163
---	---
---	---
---	---
---	---
---	---
R49	163
R50	163

### RESISTOR

SYMBOL NO.	INDEX NO.
R51	178
R52	163
R53	163
R54	163
R55	163
---	---
---	---
---	---
---	---
---	---

SYMBOL NO.	INDEX NO.
R61	165
R62	166
R63	166
R64	166
R65	167
R66	167
R67	167
R68	167
R69	167
R70	167

SYMBOL NO.	INDEX NO.
R71	162
R72	169
R73	162
R74	161
R75	161
R76	161
---	---
---	---
---	---
R79	171
---	---

SYMBOL NO.	INDEX NO.
R81	172
R82	172
R83	172
R84	172
---	---
---	---
R87	172
R88	172
R89	172
R90	162

SYMBOL NO.	INDEX NO.
R91	176
R92	176
---	---
---	---
R95	175
---	---
R97	180
R98	179
R99	181
R100	181

SYMBOL NO.	INDEX NO.
R101	167
R102	165
R103	162
R104	163
---	---
---	---
R107	161
R108	162
R109	163
R110	163

SYMBOL NO.	INDEX NO.
R111	157
R112	156
---	---
R114	160
R115	160
R116	160
R117	160
R118	170
R119	170
R120	170

## 16.ENGINE BOARD (G116)

### RESISTOR

SYMBOL NO.	INDEX NO.
R121	170
R122	171
---	---
---	---
---	---
---	---
---	---
R127	173
---	---
R129	173
R130	164

SYMBOL NO.	INDEX NO.
---	---
---	---
---	---
R134	161
---	---
---	---
R136	167
R137	163
R138	163
---	---
---	---

SYMBOL NO.	INDEX NO.
R141	163
---	---
R143	162
---	---
R145	162
---	---
R147	162
R148	173
---	---
---	---

SYMBOL NO.	INDEX NO.
R151	170
---	---
---	---
---	---
---	---
---	---
---	---
R158	162
R159	167
R160	166

SYMBOL NO.	INDEX NO.
R161	175
R162	175
R163	163
---	---
R165	176
---	---
R166	161
R167	161
R168	172
R169	178
R170	161

SYMBOL NO.	INDEX NO.
R171	170
R172	161
R173	170
R174	170
R175	178
---	---
R176	162
R177	165
R178	164
R179	164
R180	174

SYMBOL NO.	INDEX NO.
R181	177

### REG

SYMBOL NO.	INDEX NO.
REG1	136
REG2	135

### RN

SYMBOL NO.	INDEX NO.
RN1	138
RN2	138
RN3	138
RN4	138
---	---
---	---
RN6	138
RN7	138
RN8	138
RN9	139
RN10	139

SYMBOL NO.	INDEX NO.
RN11	139
---	---
---	---
---	---
RN15	140
---	---
RN16	140
RN17	140
RN18	140
RN19	140
RN20	140

SYMBOL NO.	INDEX NO.
RN21	141
RN22	141
RN23	141
RN24	142
RN25	142
---	---
RN26	142
RN27	142
RN28	142
RN29	142
RN30	142

SYMBOL NO.	INDEX NO.
RN31	142
RN32	142
RN33	142

### SW

SYMBOL NO.	INDEX NO.
SW1	120

### TB

SYMBOL NO.	INDEX NO.
TB1	111

### ZD

SYMBOL NO.	INDEX NO.
ZD1	129

## 16.ENGINE BOARD (G116)

Index No.	Part No.	Description	Q'ty Per Assembly
*	G111 5121	PCB - Engine Board : NA	1
*	G111 5122	PCB - Engine Board : EU	1
1	G088 5353	IC:RI5c580	1
2	GY20 0012	IC:E-mac2	1

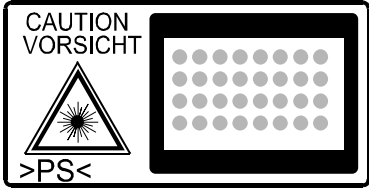
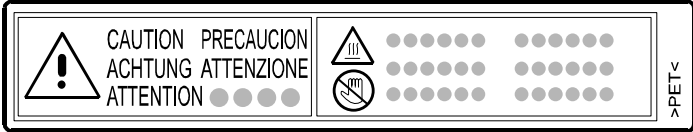
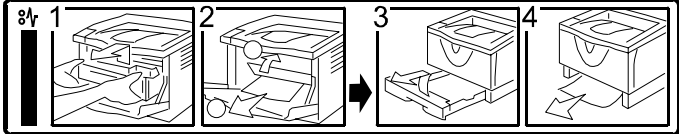



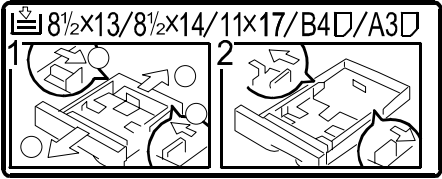

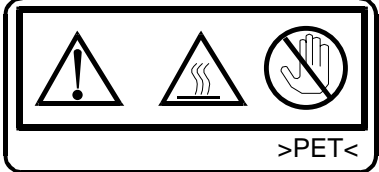
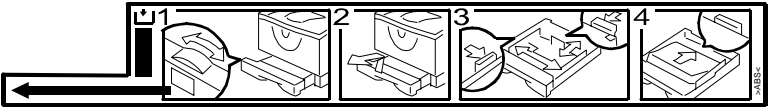

Index No.	Part No.	Description	Q'ty Per Assembly
101	1102 4201	Connector - 2P	
102	1102 4202	Connector - 3P	
103	1102 4203	CT Header - 4P	
104	1102 4205	CT Header - 6P	
105	1102 4207	Connector - 8P	
106	1102 4619	Connector - 2P	
107	1102 4631	CT Connector - 2p	
108	1102 4643	CT Connector - 2p	
109	1102 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	1102 8299	Connector - 52610-1017	
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 -dte143zua	
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	
134	1407 5271	Eeprom - M24c02-bn6	
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 $\Omega$ $\pm$ 5%	
139	1601 7791	Resistor Array - 1K $\Omega$ $\pm$ 5%	
140	1601 7866	Resistor Array - 150 $\Omega$ $\pm$ 5%	
141	1601 7871	Resistor - 68 $\Omega$ $\pm$ 5% 1/16W	
142	1601 7898	Resistor Array	
143	1604 4730	Capacitor - 47 $\mu$ F $\pm$ 20% 50V	
144	1604 4733	Capacitor - 100 $\mu$ F $\pm$ 20% 10V	
145	1604 4955	Capacitor - 10 $\mu$ F $\pm$ 20% 16V	
146	1605 0976	Capacitor - 1 $\mu$ F+80% -20% 10V	
147	1605 1148	Capacitor - 0.1 $\mu$ F+80-20% 50V	
148	1605 1163	Ceramic Capacitor - 560pF: $\pm$ 5%:50v	
149	1605 1190	Resistor - 0.022 $\mu$ F $\pm$ 10% 50V	
150	1605 1353	Capacitor - 0.1 $\mu$ 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 $\Omega$ $\pm$ 5%	
157	1610 1732	Resistor:270 $\Omega$ : $\pm$ 5%:1w:6332	
158	1611 8472	Resistor - 4.7K $\Omega$	
159	1634 0000	Resistor - 0 $\Omega$ 1/16W	
160	1650 4100	Resistor - 10 $\Omega$ $\pm$ 5% 1/10W	
161	1650 4101	Resistor - 100 $\Omega$ $\pm$ 5%1/10W	
162	1650 4102	Resistor - 1K $\Omega$ $\pm$ 5% 1/10W	
163	1650 4103	Resistor - 10K $\Omega$ $\pm$ 5% 1/10W	
164	1650 4122	Resistor - 1.2K $\Omega$ $\pm$ 5% 1/10W	
165	1650 4153	Resistor - 15K $\Omega$ $\pm$ 5% 1/10W	
166	1650 4201	Resistor - 200 $\Omega$ $\pm$ 5%1/10W	
167	1650 4222	Resistor - 2.2K $\Omega$ $\pm$ 5%1/10W	
168	1650 4300	Resistor - 30 $\Omega$ $\pm$ 5%1/10W	
169	1650 4302	Resistor - 3K $\Omega$ $\pm$ 5%1/10W	
170	1650 4330	Chip Resistor - 33 $\Omega$ $\pm$ 5% 1/10w	

Index No.	Part No.	Description	Q'ty Per Assembly
171	1650 4470	Resistor - 47 $\Omega$ $\pm$ 5%1/10W	
172	1650 4472	Resistor - 4.7K $\Omega$ $\pm$ 5% 1/10W	
173	1650 4473	Resistor - 47K $\Omega$ $\pm$ 5%1/10W	
174	1650 4622	Resistor:6.2k $\Omega$ : $\pm$ 5%:1/10w	
175	1650 4680	Resistor - 68 $\Omega$ $\pm$ 5%1/10W	
176	1650 4681	Resistor - 680 $\Omega$ $\pm$ 5% 1/10W	
177	1652 2709	Resistor - 27 $\Omega$ $\pm$ 1% 1/4W 3216	
178	1654 1002	Resistor - 10K $\Omega$ $\pm$ 5%1/10W	
179	1654 4301	Resistor - 4.3K $\Omega$ $\pm$ 1%1/10W	
180	1654 4700	Resistor - 470 $\Omega$ $\pm$ 1%1/10W	
181	1654 6801	Resistor - 6.8K $\Omega$ $\pm$ 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 $\mu$ F+80-20% 25V	
194	1902 0056	RAM - 256k X870ns G14	

# 17.DECALS AND DOCUMENTS (G091/G116)

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<p>2</p> 	<p>6</p> 	<p>7</p> 	<p>8</p> 
<p>3</p> 	<p>10</p> 	<p>11</p> 	
<p>4</p> 	<p>12</p> 		

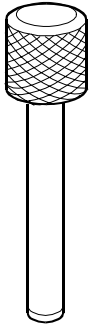
### 17.DECALS AND DOCUMENTS (G091/G116)

Index No.	Part No.	Description	Q'ty Per Assembly
1	G029 1982	LD Decal	1
2	G052 1551	Decal - Paper JamG (G091)	1
2	G111 1070	Decal - Paper Jam (G116)	1
3	G088 3087	Label Protection	1
4	G052 3144	Decal - Paper Set (G091)	1
4	G111 2734	Label - Paper Set (G116)	1
5	G052 4693	Decal - High Temperature	1
6	G052 3351	Decal - Registration	1
7	G088 2372	Model Name Plate EXP (G091)	1
7	G116 0404	Model Name Plate:Ric:EXP (G116)	1
8	G056 2381	Decal - Energy Star/Postscript	1
9	G091 8625	Operating Instructions - K-P3: General	1
9	G116 8604	O/I - Setup Guide : K-P4 (G116)	1
9	G116 8610	O/I - Maintenance Guide : K-P4 (G116)	1
10	1005 0890	Decal - TUV	1
11	G111 1910	Caution Decal - Laser (G116)	1
12	G128 1151	Decal:Warning (High Temperature)(G116)	1

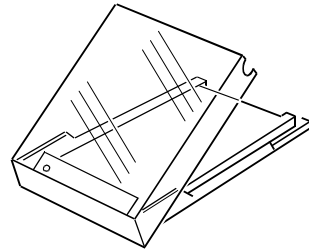
Index No.	Part No.	Description	Q'ty Per Assembly

## 18.SPECIAL TOOLS (G091/G116)

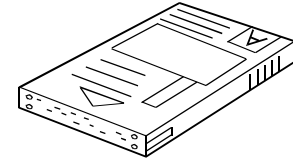
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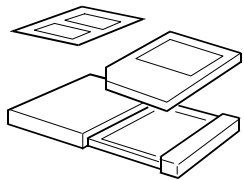
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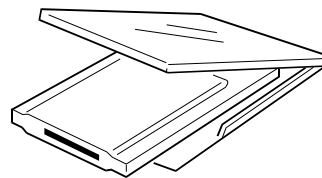
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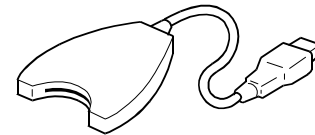
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**18.SPECIAL TOOLS (G091/G116)**

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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

# Parts Index

## PM Parts Index

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	G111 6256	Transfer Roller	Transfer Roller (G116)	1	13- 5
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	G052 4618	Bushings - Hot Roller	Bearing 30x42x7	2	15- 15
	G052 4614	Hot Roller	Hot Roller:K (G091)	1	15- 16
	G111 4063	Hot Roller	Hot Roller (G116)	1	15- 16
	G052 5501	Fusing Thermistor	Fusing Thermistor (G091)	1	15- 21
	G111 4064	Fusing Thermistor	Thermistor (G116)	1	15- 21
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