

DF67 (A680)

PARTS CATALOG

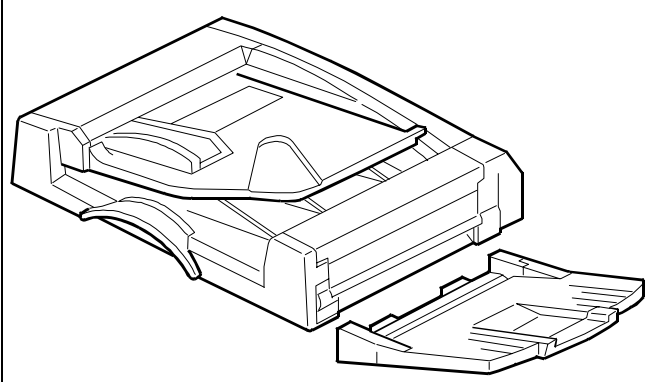
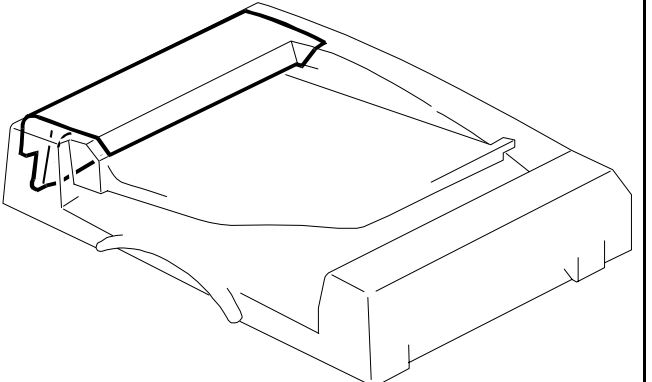
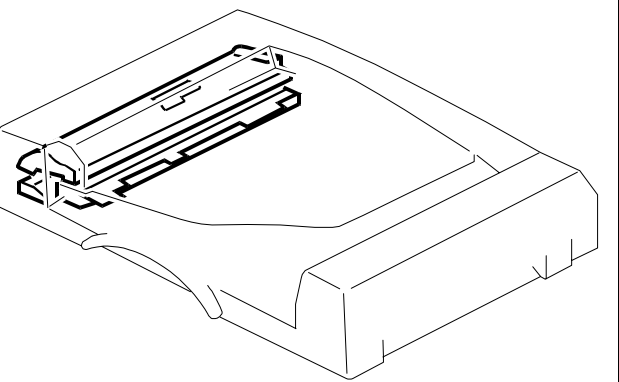
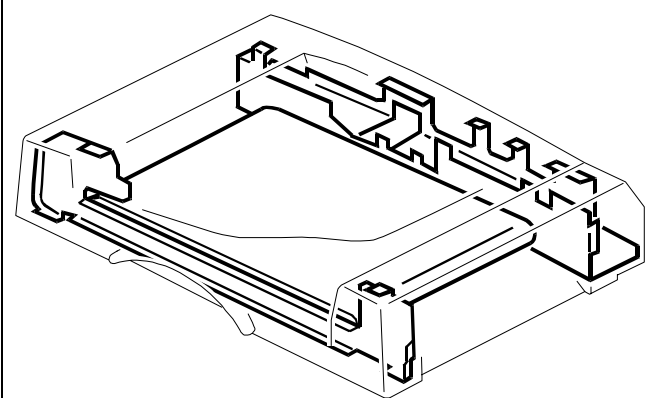
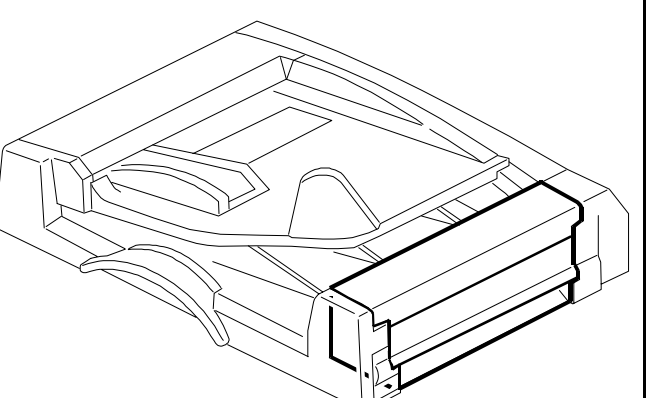
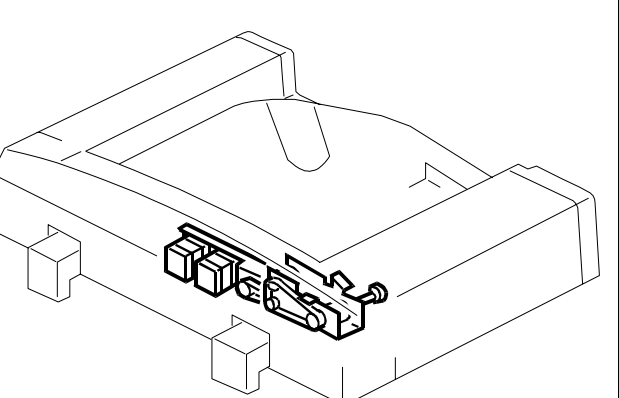
INTRODUCTION

This chapter instructs you the numbers and names of parts on this machine.

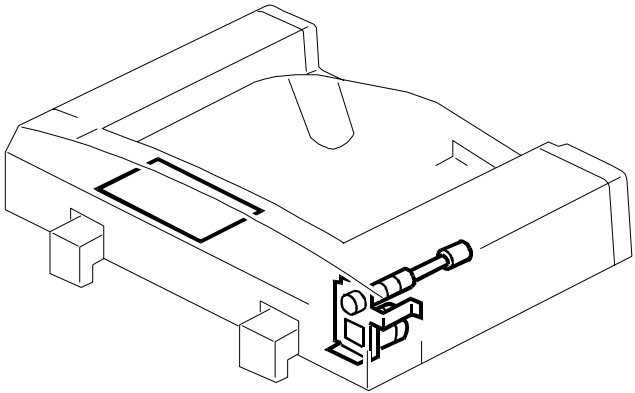
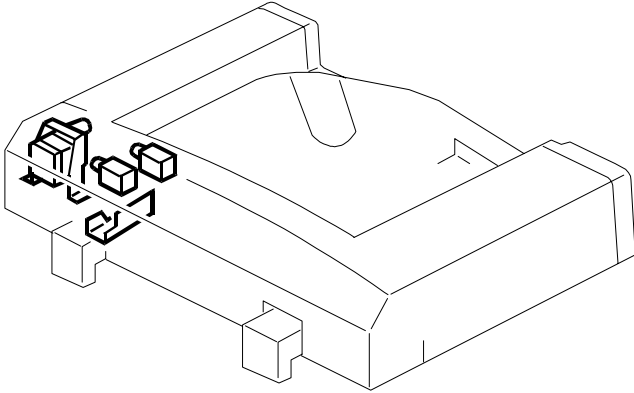
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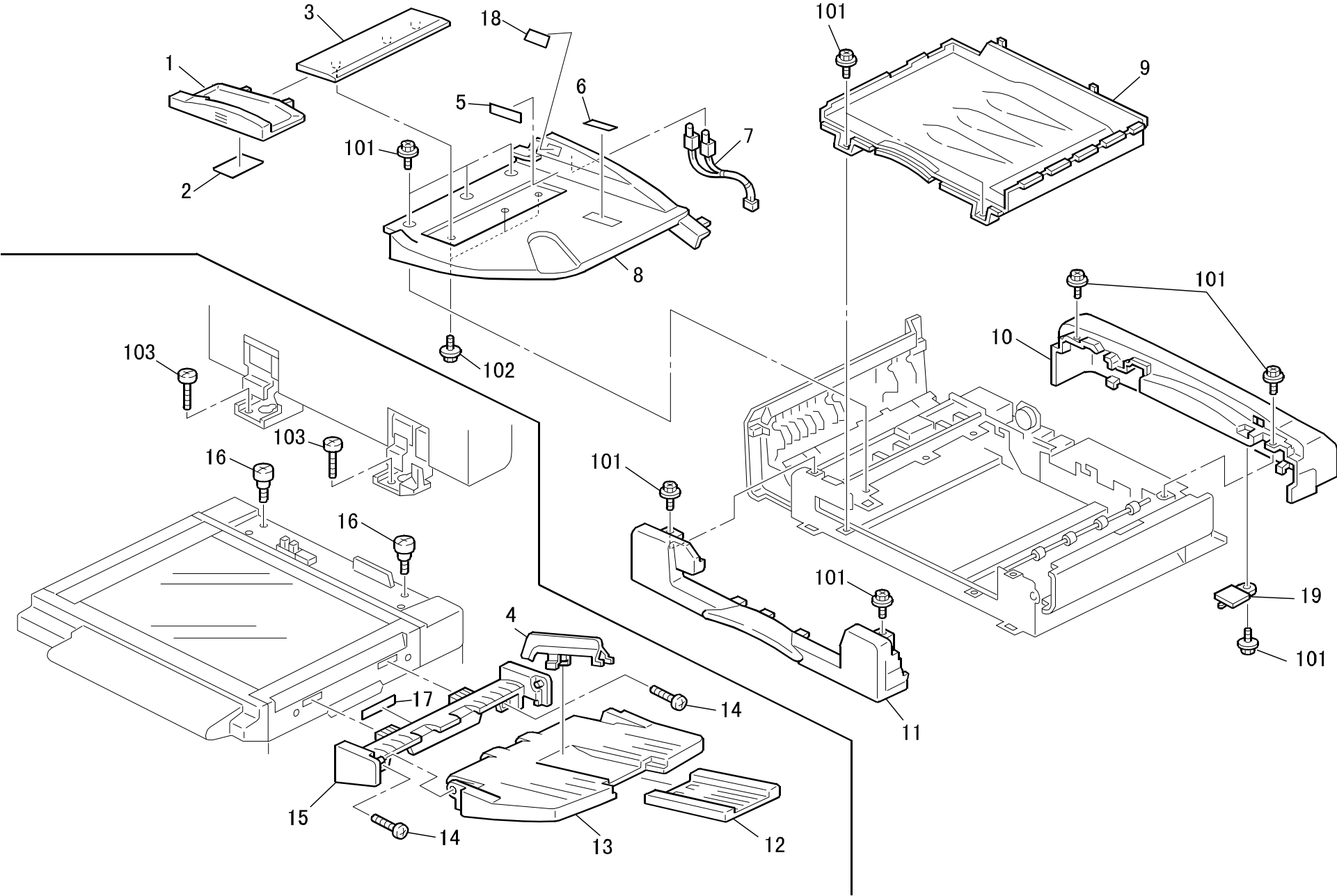
LOCATION OF UNIT

1.EXTERIOR (A680)  See Page 5	2.ORIGINAL FEED 1 (A680)  See Page 7	3.ORIGINAL FEED 2 (A680)  See Page 9
4.ORIGINAL TRANSFER (A680)  See Page 11	5.ORIGINAL EXEIT (A680)  See Page 13	6.DRIVE SECTION 1 (A680)  See Page 15

LOCATION OF UNIT

7.DRIVE SECTION 2 (A680)  See Page 17	8.DRIVE SECTION 3 (A680)  See Page 19	

1.EXTERIOR (A680)

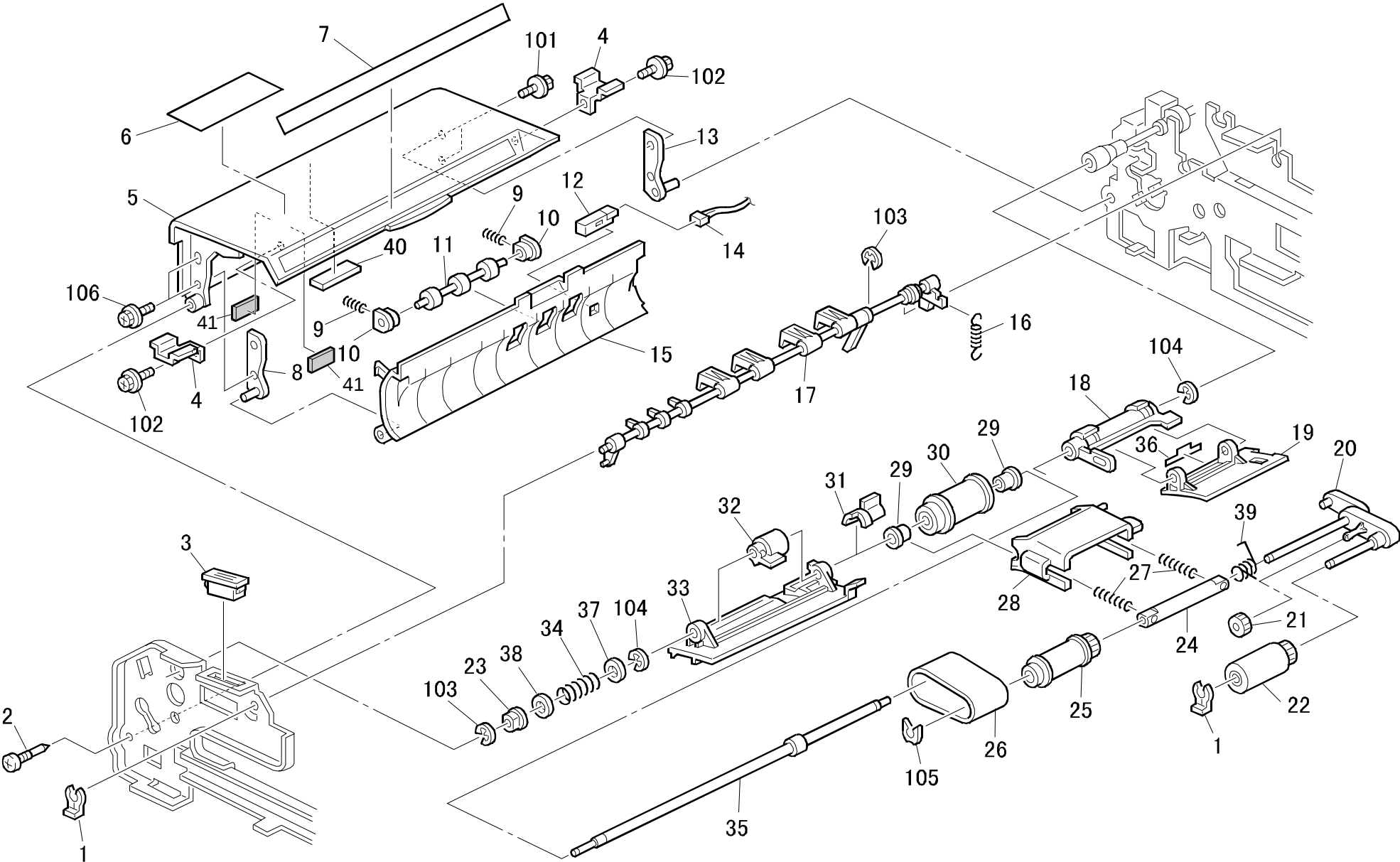


1.EXTERIOR (A680)

Index No.	Part No.	Description	Q'ty Per Assembly
1	A680 4141	Side Fence	1
2	A376 4599	Side Fence Pad	1
3	A680 4151	Side Fence Guide	1
4	A680 4332	Original Guide	1
5	A548 1931	Decal - Original Table	1
6	A610 6051	Decal Document Set	1
7	A680 5835	Indicator Ass'y	1
8	A680 4130	Original Table	1
9	A680 4271	Upper Cover	1
10	A680 4251	Rear Cover	1
11	A680 4261	Front Cover	1
12	A666 2421	Sub - Shift Tray	1
13	A680 4321	Exit Tray	1
14	A680 4351	Screw - M4X17MM	2
15	A680 4331	Exit Tray Holder	1
16	A376 4911	Stepped Screw - Left Hinge	2
17	A680 4322	Seal - 2x7x224	1
18	A680 4136	Indicator Panel	1
19	A680 4253	Main Board Cover	1

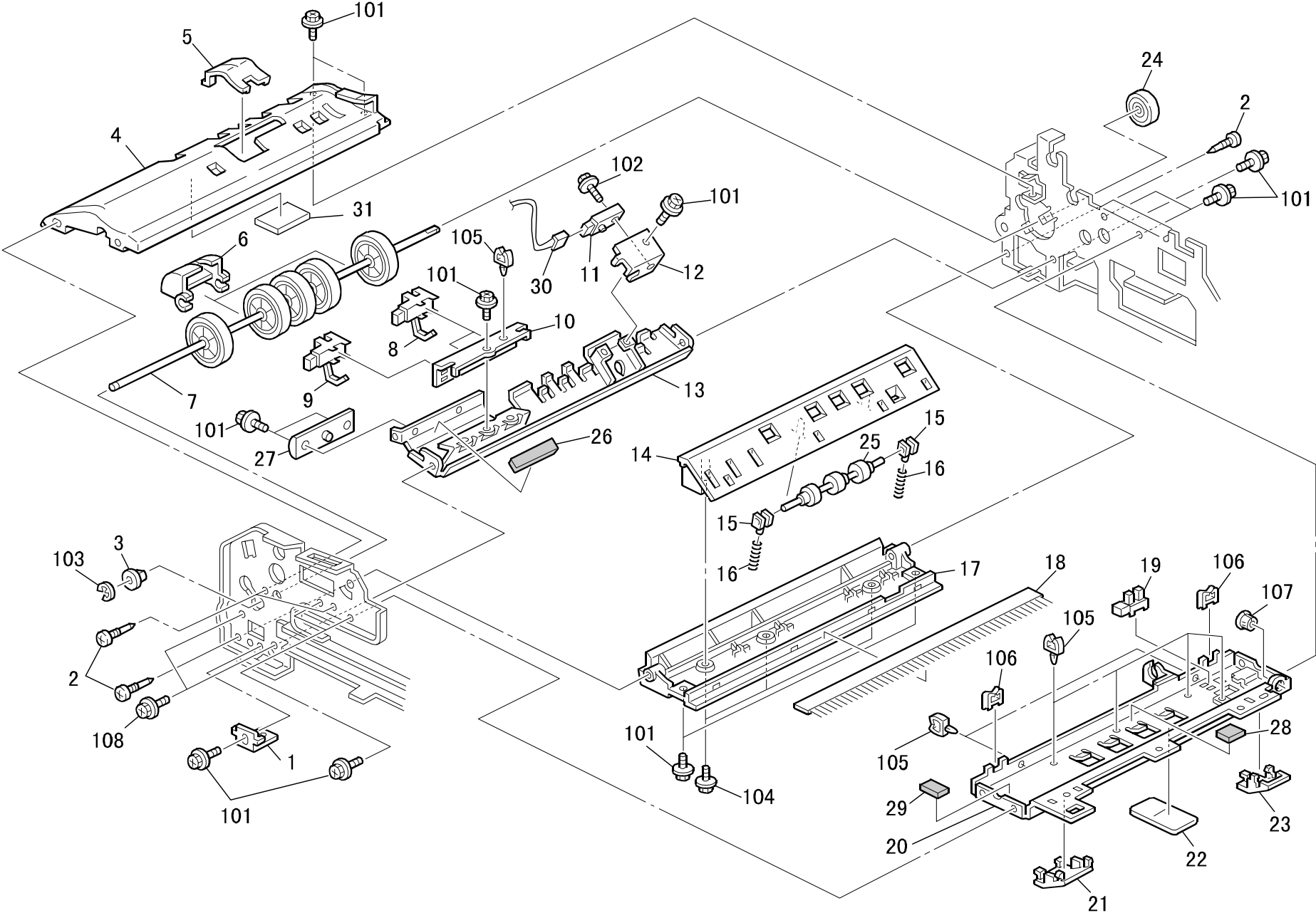
Index No.	Part No.	Description	Q'ty Per Assembly
101	0451 3008H	Tapping Screw - 3x8	
102	0450 3008B	Tapping Screw - M3x8	
103	0951 4010B	Philips Screw With Washer - M4x10	

2.ORIGINAL FEED 1 (A680)





3.ORIGINAL FEED 2 (A680)

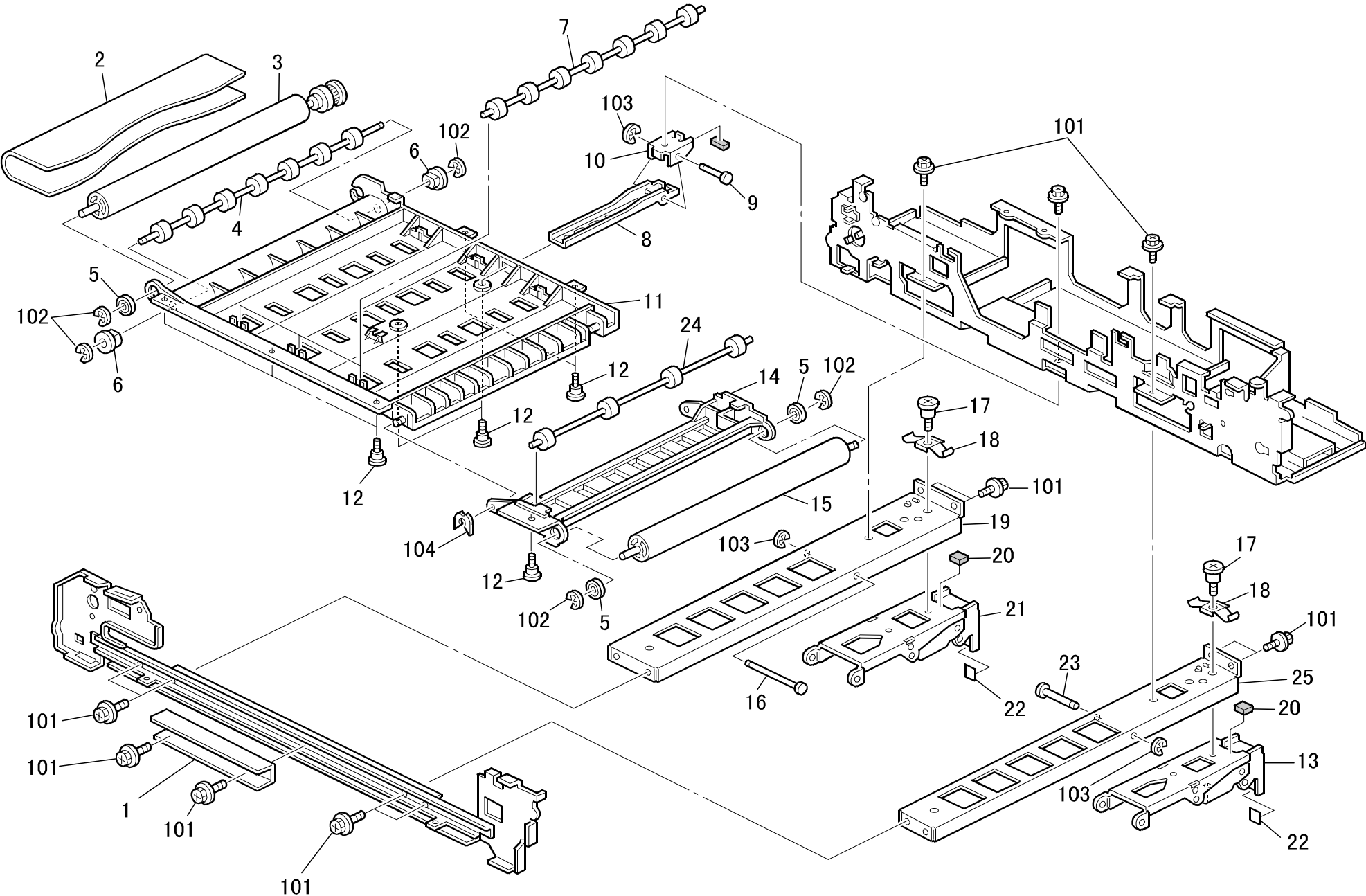


3.ORIGINAL FEED 2 (A680)

Index No.	Part No.	Description	Q'ty Per Assembly
1	A680 1114	Fixing Bracket	1
2	5446 2824	Screw - Duplex Guide Plate	3
3	5304 1639	Bushing - 8mm	1
4	A680 1231	Upper Guide Plate	1
5	A680 1235	Cap - Upper Guide Plate	1
6	A680 1651	Guide - Pull Out Roller	2
7	A680 1271	Pull Out Roller	1
8	AW02 0095	Photointerruptor	2
9	AW02 0104	Photointerruptor	1
10	A680 1355	Bracket - Original Size Sensor	1
11	AW01 0076	Photosensor - PS-117D1	1
12	A680 1351	Sensor Bracket	1
13	A680 1221	Paper Feed Guide	1
14	A680 1261	Lower Guide Plate	1
15	A680 1665	Bushing - 4mm	2
16	AA06 3316	Pressure Spring	2
17	A680 4171	Base Plate	1
18	A680 4181	Discharge Brush	1
19	AW02 0086	Photointerruptor	1
20	A680 1141	Upper Stay - Original Feed	1
21	A680 1148	Front Lower Guide	1
22	A680 1145	Reverse Roller Guide	1
23	A680 1147	Rear Lower Guide	1
24	A232 3552	Ball Bearing - 8x22x7	1
25	A680 1641	Lower Driven Roller	1
26	A680 1228	Middle Guide Cushion	1
27	A680 1227	Guide Plate	1
28	A680 1146	Cusion	1
29	A680 4229	Feed Cover Cushion	1
30	A680 5885	Relay Harness - Pull Out	1
31	A680 1233	Damping Insulation Guide	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	0451 3006B	Tapping Screw - M3x6	
102	0451 3012B	Tapping Screw With Washer - M3x12	
103	0720 0060E	Retaining Ring - M6	
104	0450 3008B	Tapping Screw - M3x8	
105	1105 0199	Clamp	
106	1105 0328	Harness Clamp - ES-0505	
107	1106 0241	Bushing - 6.7mm	
108	0802 5265	Tapping Screw - M3x6	

4.ORIGINAL TRANSFER (A680)

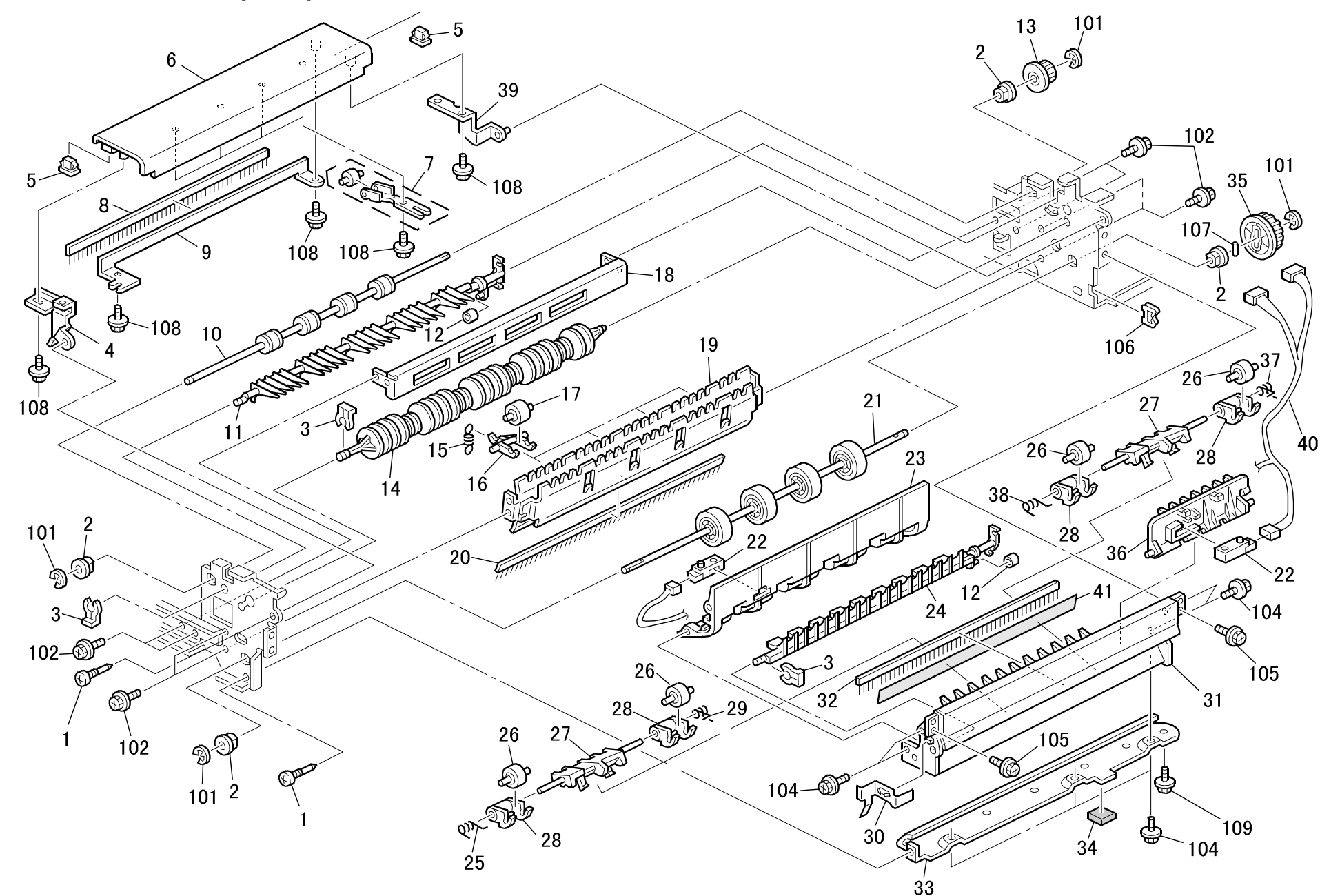


4.ORIGINAL TRANSFER (A680)

Index No.	Part No.	Description	Q'ty Per Assembly
1	A680 1115	Front Support Plate	1
2	A680 1481	Transport Belt	1
3	A680 1431	Belt Drive Roller	1
4	A680 1451	Belt Pressure Roller	1
5	A232 3563	Ball Bearing - 6x12x4	3
6	5053 0447	Bushing - 6mm	2
7	A548 1461	Belt Pressure Roller	3
8	A548 1442	Transport Arm	1
9	A680 1443	Arm Shaft	1
10	A680 1446	Transport Unit Arm	1
11	A663 1412	Transport Base Plate	1
12	5419 5714	Stepped Screw - M4	8
13	A680 1531	Right Hinge	1
14	A663 1422	Transport Stay	1
15	A376 2132	Belt Driven Roller	1
16	A680 1163	Left Hinge Shaft	1
17	AA14 3505	Srepped Screw - M4	2
18	A548 1135	Spring Plate	2
19	A680 1161	Left Hinge Bracket	1
20	A351 4281	Anti-vibration Cushion	2
21	A680 1511	Left Hinge	1
22	A334 4678	Rack Shield Mylar	2
23	A680 1168	Right Hinge Shaft	1
24	A610 2161	Belt Pressure Roller - 24	1
25	A680 1165	Right Hinge Bracket	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	0451 3006B	Tapping Screw - M3x6	
102	0720 0040E	Retaining Ring - M4	
103	0720 0030E	Retaining Ring - M3	
104	0805 0089	Retaining Ring - M4	

5.ORIGINAL EXEIT (A680)

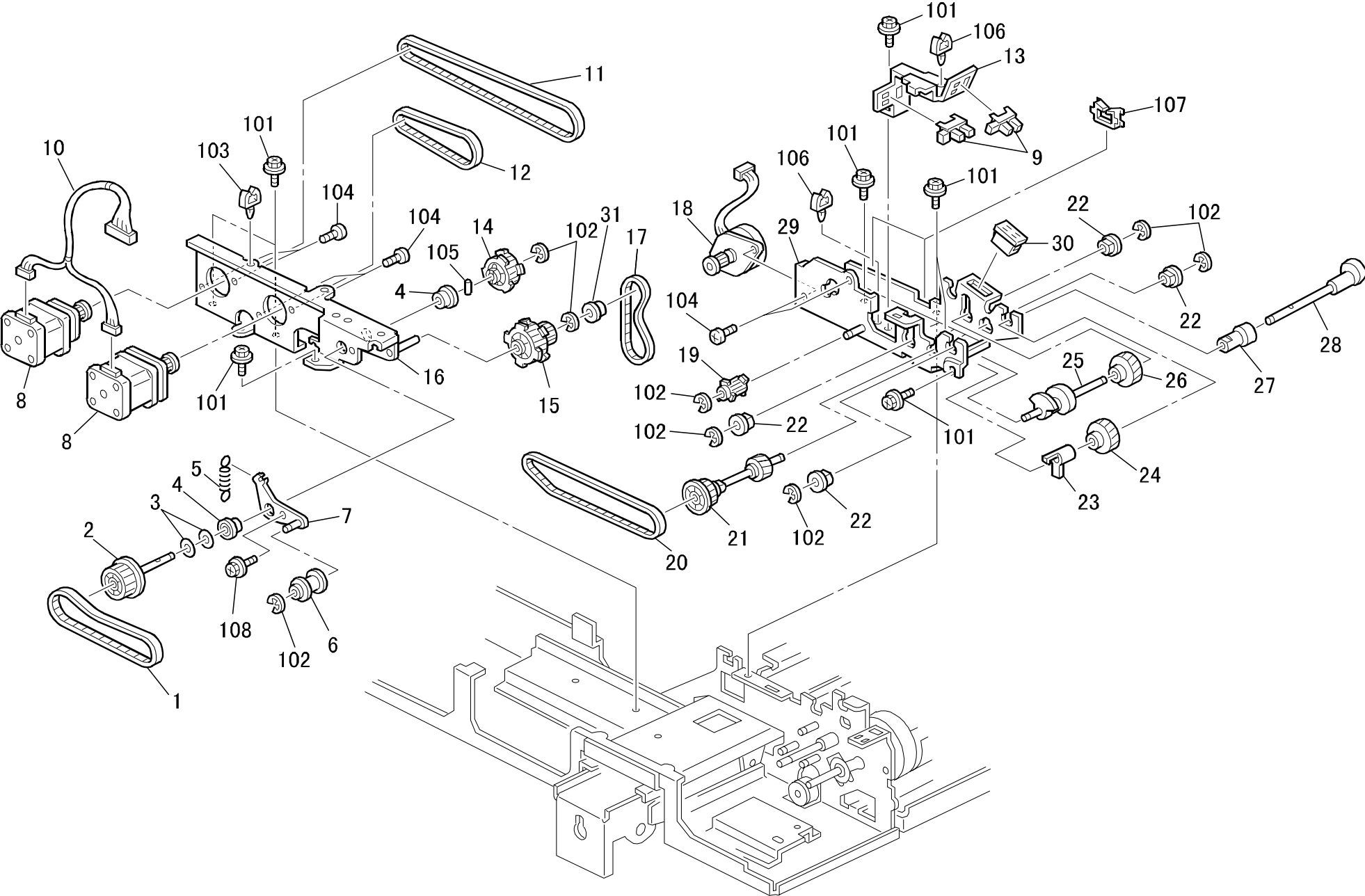


5.ORIGINAL EXEIT (A680)

Index No.	Part No.	Description	Q'ty Per Assembly
1	5446 2824	Screw - Duplex Guide Plate	2
2	5053 0447	Bushing - 6mm	4
3	5215 2621	Snap Ring - M6	3
4	A548 1382	Front Bracket - Exit Roller	1
5	G012 1531	Magnet	2
6	A680 4281	Upper Exit Cover	1
7	A548 1241	Driven Roller Ass'y	4
8	AA12 0032	Antistatic Brush	1
9	A680 1394	Antistatic Brush Bracket	1
10	A548 1261	Exit Roller	1
11	A680 3221	Upper Inverter Gate	1
12	A458 2251	Cushion - Bin Solenoid Lever	2
13	A548 2137	Timing Pulley - 18Z	1
14	A548 1231	Guide Roller	1
15	AA06 0746	Pressure Spring	4
16	A548 1234	Driven Roller Arm	4
17	A548 1233	Driven Roller	4
18	A680 1151	Right Stay	1
19	A680 1211	Inverter Guide Plate	1
20	A548 1217	Antistatic Brush - Paper Exit	1
21	A680 1275	Inverter Roller	1
22	AW01 0076	Photosensor - PS-117D1	2
23	A680 3121	Left Guide Plate	1
24	A680 3211	Lower Inverter Gate	1
25	AA06 6618	Rear Spring Guide Roller	1
26	A680 3161	Driven Roller	4
27	A680 3151	Left Support Guide	2
28	A680 3171	Driven Roller Arm	4
29	AA06 6619	Front Spring - Front Driven Roller	1
30	A680 3181	Grounding Plate	1
31	A680 3112	Right Exit Guide	1
32	A680 3231	Antistatic Brush	1
33	A680 3113	Support Plate - Exit Unit	1
34	A351 4281	Anti-vibration Cushion	1
35	A680 2321	Pulley - 30T	1

Index No.	Part No.	Description	Q'ty Per Assembly
36	A680 3131	Sensor Bracket	1
37	AA06 6623	Front Spring - Rear Driven Roller	1
38	AA06 6622	Rear Spring - Rear Driven Roller	1
39	A680 1391	Rear Bracket - Exit Cover	1
40	A680 5862	Relay Harness - Exit Unit	1
101	0720 0040E	Retaining Ring - M4	
102	0451 3006B	Tapping Screw - M3x6	
103	0450 4008B	Tapping Screw - 4x8	
104	0450 3008B	Tapping Screw - M3x8	
105	0451 3008H	Tapping Screw - 3x8	
106	1105 0328	Haness Clamp - ES0505	
107	0632 0120G	Parallel Pin - 2x12	
108	0450 4012B	Tapping Screw - M4x12	
109	0433 0060B	Philips Tapping Screw - M3x6	

6.DRIVE SECTION 1 (A680)

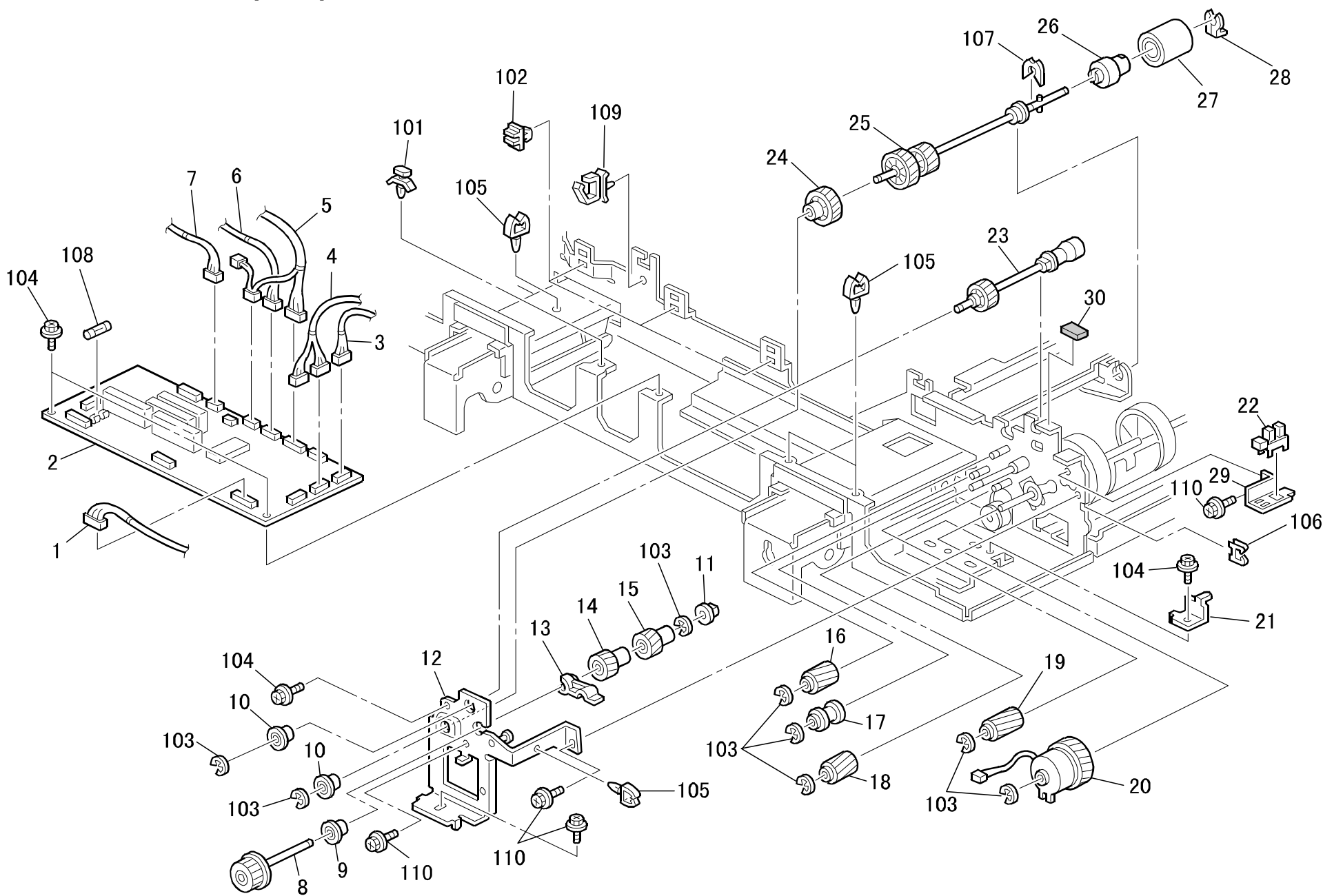


6.DRIVE SECTION 1 (A680)

Index No.	Part No.	Description	Q'ty Per Assembly
1	AA04 3480	Timing Belt - B40S3M246	1
2	A680 2125	Pulley - 24T	1
3	5937 4158	Spring Washer - BD10	2
4	A232 3562	Ball Bearing - 6x12x4mm	2
5	AA06 0740	Tension Spring	1
6	A548 2139	Pulley	1
7	A680 2221	Tightner	1
8	A680 2611	Stepping Motor - DC6.7W	2
9	AW02 0086	Photointerruptor	2
10	A680 5880	Feed Motor Harness	1
11	AA04 3377	Timing Belt - B40S2M380	1
12	AA04 3481	Timing Belt - B60S2M194	1
13	A680 1361	Sensor Bracket	1
14	A548 2121	Timing Pulley - 31Z	1
15	A680 2231	Pulley - 44T/20T	1
16	A680 1311	Motor Bracket	1
17	AA04 3482	Timing Belt - B40S2M168	1
18	AX04 0096	Stepping Motor - DC 18W	1
19	A680 2241	Pulley - 18T	1
20	AA04 3483	Timing Belt - B40S2M230	1
21	A680 2251	Gear - 17Z	1
22	5053 0447	Bushing - 6mm	2
23	A680 2264	Feeler - Pick-up Roller Cam	1
24	A680 2261	Gear - 24Z	1
25	A680 2271	Original Stopper Cam	1
26	A680 2272	Gear - 30T	1
27	A548 2343	Clutch Stopper	1
28	A680 2263	Pick-up Roller Cam	1
29	A680 1341	Bracket - Entrance Guide Motor	1
30	A680 1181	Magnetic Catch	1
31	5936 2321	Rubber Bushing - Vibration Damper	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	0451 3006B	Tapping Screw - M3x6	
102	0720 0040E	Retaining Ring - M4	
103	1105 0229	Clamp	
104	0353 0050B	Philips Truss Head Screw - M3x5	
105	0632 0120G	Parallel Pin - 2x12	
106	1105 0199	Clamp	
107	1105 0243	Wire Saddle	
108	0951 4006B	Philips Screw With Washer - M4x6	

7.DRIVE SECTION 2 (A680)

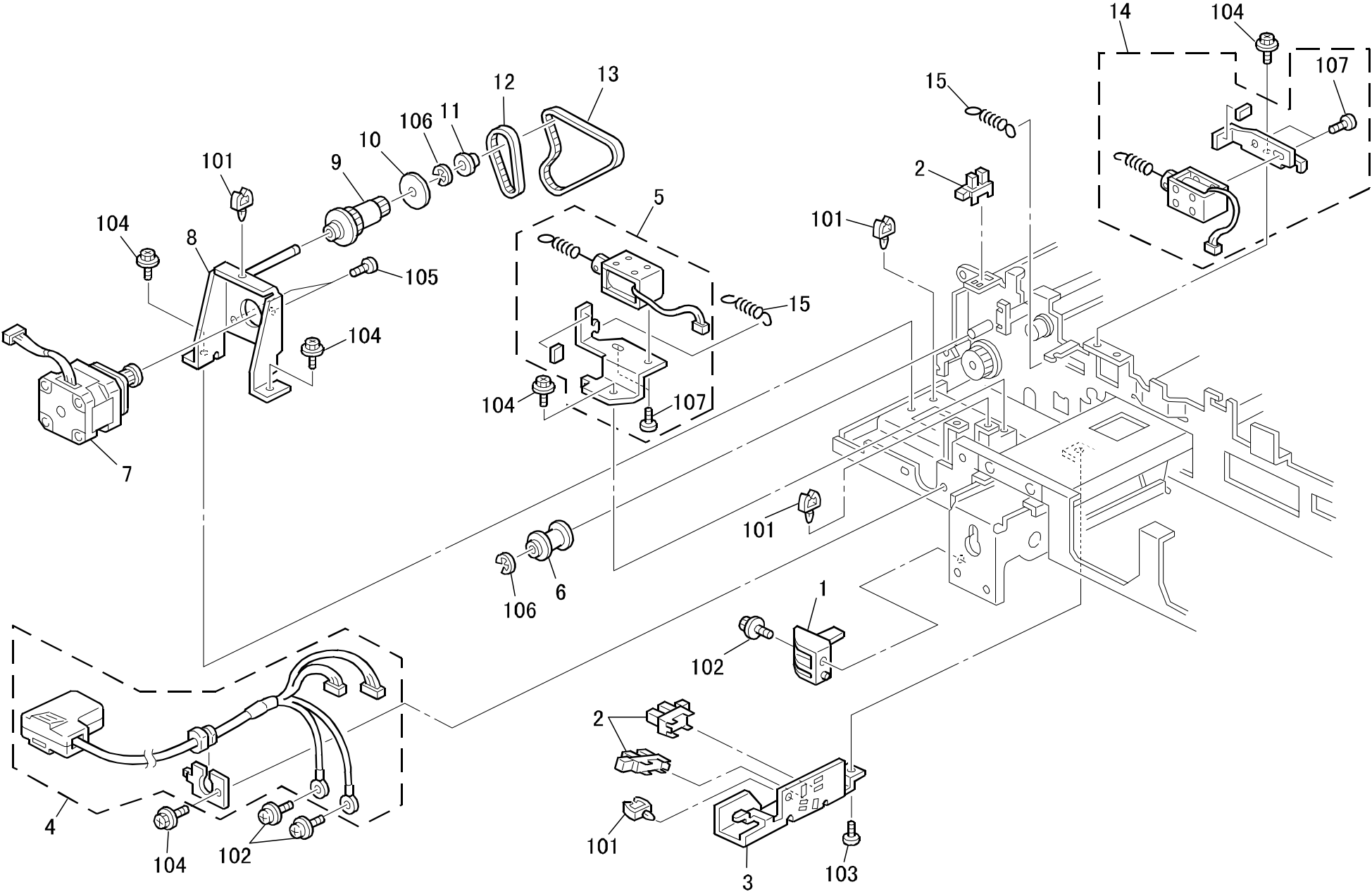


7.DRIVE SECTION 2 (A680)

Index No.	Part No.	Description	Q'ty Per Assembly
1	A680 5840	Feed-in Clutch Harness	1
2	A680 5500	Main Board	1
3	A680 5855	Harness - Entrance Guide Sensor	1
4	A680 5820	Harness - Paper Size Sensor	1
5	A680 5830	Harness - Inverter Gate Solenoid	1
6	A680 5865	Lift Sensor Harness	1
7	A680 5875	Feed-in Motor Harness	1
8	A548 2172	Timing Pulley - 24Z	1
9	A232 3565	Ball Bearing - 6x10x3mm	1
10	A232 3562	Ball Bearing - 6x12x4mm	2
11	5053 0447	Bushing - 6mm	1
12	A680 1321	Support Plate - Drive Gear	1
13	A680 2191	Gear Stopper	1
14	A680 2132	Gear - 22Z	1
15	A680 2131	Gear - 22Z	1
16	A680 2152	Gear - 16Z	1
17	A548 2139	Pulley	1
18	A680 2151	Gear - 16Z	1
19	A680 2141	Gear - 16Z	1
20	AX20 0146	Magnetic Clutch	1
21	A680 2176	Clutch Stopper	1
22	AW02 0086	Photointerruptor	1
23	A680 1841	Feed-in Drive Gear	1
24	A680 2161	Gear - 34Z	1
25	A680 1680	Reverse Roller Shaft	1
26	A247 2900	Torque Limiter - 53MN	1
27	A680 1671	Separation Roller	1
28	5447 2681	Snap Ring	1
29	A680 1131	Paper Feed Sensor Bracket	1
30	A680 1133	Cushion - 1x13x16	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	1105 0409	Spacer	
102	1105 0326	Locking Support	
103	0720 0040E	Retaining Ring - M4	
104	0451 3006B	Tapping Screw - M3x6	
105	1105 0199	Clamp	
106	1105 0328	Harness Clamp - ES-0505	
107	0805 0089	Retaining Ring - M4	
108	1107 0752	Fuse - 5A 250V	
109	1105 0291	Harness Clamp - LWS-3S	
110	0802 5265	Tapping Screw - M3x6	

8.DRIVE SECTION 3 (A680)



8.DRIVE SECTION 3 (A680)



Index No.	Part No.	Description	Q'ty Per Assembly
1	A548 1531	Safety Switch Feeler	1
2	AW02 0086	Photointerruptor	3
3	A548 1541	Safety Switch Bracket	1
4	A680 5800	Interface Harness	1
5	A680 1382	Solenoid - Upper Inverter Gate	1
6	A548 2139	Pulley	1
7	A663 2621	Exit Motor - 3.7V 14.8W	1
8	A680 1331	Exit Motor Bracket	1
9	A680 2311	Pulley - 18T/32T	1
10	A300 3812	Spacer - 6x22x1.5	1
11	5936 2321	Rubber Bushing - Vibration Damper	1
12	AA04 3485	Timing Belt - B40S2M100	1
13	AA04 3899	Timing Belt - B40S3M207	1
14	A680 1384	Solenoid - Lower Inverter Gate	1
15	AA06 0734	Inverter Gate Spring	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	1105 0199	Clamp	
102	0951 4006B	Philips Screw With Washer - M4x6	
103	0314 0060B	Philips Pan Head Screw - M4x6	
104	0451 3006B	Tapping Screw - M3x6	
105	0353 0050B	Philips Truss Head Screw - M3x5	
106	0720 0040E	Retaining Ring - M4	
107	0353 0030B	Philips Truss Head Screw - M3x3	

9.DF MAIN CONTROL BOARD (A680)

CAPACITOR

SYMBOL NO.	INDEX NO.
C101	148
C102	149
C103	148
C104	130
C105	148
C106	148
C107	154
C108	153
C109	154
C110	154

SYMBOL NO.	INDEX NO.
C111	153
C112	153
C113	150
C114	153
C115	153
C116	152
C117	153
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C119	153
C120	153

SYMBOL NO.	INDEX NO.
C121	153
C122	153
C123	152
C124	155
C125	154
C126	151
C127	154
C128	155
C129	155
C130	154

SYMBOL NO.	INDEX NO.
C131	154
C132	155
C133	151
C134	151
C135	154
C136	154
C137	154
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C139	155
C140	151

SYMBOL NO.	INDEX NO.
C141	155
C142	155
C143	154
C144	155
C145	154
C146	154
C147	131
C148	154
C149	154
C150	154

SYMBOL NO.	INDEX NO.
C151	131
C152	153
C153	154
C154	153
C155	152
C156	153
C157	152
C158	153
C159	153
C160	153

CONNECTOR

SYMBOL NO.	INDEX NO.
CN100	113
CN110	114
CN200	107
CN210	105
CN220	103
CN230	102
CN240	106
CN250	109
CN260	108
CN270	101

CONNECTOR

SYMBOL NO.	INDEX NO.
CN280	111
CN300	110
CN310	112
CN320	104

FUSE

SYMBOL NO.	INDEX NO.
FU101	116
(Holder)	118

IC

SYMBOL NO.	INDEX NO.
IC101	126
IC102	127
IC103	126
IC104	126
IC105	126
IC106	121
IC107	122
IC108	123
IC109	1
(Socket)	115

SYMBOL NO.	INDEX NO.
IC110	124
IC111	125
IC112	120

OSC

SYMBOL NO.	INDEX NO.
OSC101	128

Q

SYMBOL NO.	INDEX NO.
Q101	119
Q102	119

RESISTOR

SYMBOL NO.	INDEX NO.
R101	142
R102	136
R103	142
R104	144
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R106	132
R107	138
R108	141
R109	139
R110	141

SYMBOL NO.	INDEX NO.
R111	139
R112	134
R113	134
R114	141
R115	139
R116	134
R117	134
R118	141
R119	139
R120	134

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	134	R131	134	R141	134	R151	147	R161	142	R171	134	R181	137
R122	141	R132	134	R142	134	R152	143	R162	144	R172	134	R182	137
R123	133	R133	137	R143	139	R153	134	R163	145	R173	134	R183	137
R124	139	R134	134	R144	141	R154	134	R164	145	R174	134	R184	137
R125	141	R135	134	R145	139	R155	134	R165	147	R175	134	R185	137
----	----	R136	134	R146	141	R156	134	R166	140	R176	134	R186	137
----	----	R137	146	R147	134	R157	134	----	----	R177	134	R187	137
R128	139	R138	146	R148	134	R158	134	R168	138	R178	134	R188	137
R129	141	R139	134	R149	134	R159	134	R169	134	R179	134	R189	137
R130	134	R140	141	R150	134	R160	134	----	----	R180	134	R190	134

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.
R191	137	R201	137	R211	133	R221	133	R231	141	VR101	129
R192	137	R202	137	R212	133	R222	133	R232	141	VR102	129
R193	137	R203	137	R213	135	R223	133	R233	141		
R194	137	R204	137	R214	133	R224	139	R234	141		
R195	137	R205	137	R215	133	R225	139	R235	141		
R196	137	R206	137	R216	135	R226	139	R236	134		
R197	137	R207	134	R217	133	R227	139	R237	142		
R198	137	R208	137	R218	133	R228	139				
R199	137	R209	137	R219	135	R229	141				
R200	134	R210	134	R220	135	R230	141				

VR

9.DF MAIN CONTROL BOARD (A680)

Index No.	Part No.	Description	Q'ty Per Assembly
*	A680 5500	Main Board	1
1	A680 5620	IC - TMS27C512-10JL	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	1102 4201	Connector - 2P	
102	1102 4203	CT Header - 4P	
103	1102 4205	CT Header- 6p	
104	1102 4206	Connector - 7P	
105	1102 4208	Connector - 9P	
106	1102 4209	CT Header - 10P	
107	1102 4211	CT Header - 12P	
108	1102 4621	CT Header - 4P	
109	1102 4623	CT Connector - 6p	
110	1102 4624	CT Connector - 7p	
111	1102 4635	Connector - 6P	
112	1102 5007	CT Header - 14P	
113	1102 6301	Connector - 8P	
114	1102 6302	Connector - 9P	
115	1104 0588	Dip Socket - 28p	
116	1107 0752	Fuse - 5A 250V	
117	1204 1422	Dip Switch - 51D-0401	
118	1204 2194	Fuse Holder	
119	1400 0663	Transistor - 2SA1037AK	
120	1407 1596	TTLIC - SN74LS14NS	
121	1407 2136	TTLIC - 74F86SJ	
122	1407 2187	TTLIC - SN74LS07NS	
123	1407 2231	IC - TD62308AF	
124	1407 4754	IC - HD6413002F16	
125	1408 0611	IC - 3771	
126	1408 1050	IC - STK6712BMK4	
127	1408 1287	IC - SI-8501L	
128	1503 0261	Oscillator - 9.8304MHZ	
129	1601 8147	Variable Resistor - 10K Ω 0.5W	
130	1604 2494	Capacitor - 3300mF $\pm$ 20% 10V	
131	1605 0684	Capacitor - 16pF	
132	1630 3100	Resistor - 10 Ω $\pm$ 5% 1/10W	
133	1630 3102	Resistor - 1K Ω 1/10W $\pm$ 5%	
134	1630 3103	Resistor - 10K Ω 1/10W $\pm$ 5%	
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137	1630 3220	Resistor - 22 Ω ±5% 1/10W	
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139	1630 3223	Resistor - 22kΩ - 1/10W	
140	1630 3301	Resistor - 300 Ω ±5% 1/10W	
141	1630 3332	Resistor - 3.3KΩ 1/10W ±5%	
142	1630 3472	Resistor - 4.7KΩ 1/10W ±5%	
143	1630 3561	Resistor - 560 Ω ±5% 1/10W	
144	1630 3562	Resistor - 5.6K Ω +5% 1/10W	
145	1630 3621	Resistor - 620 Ω ±5% 1/10W	
146	1630 3680	Resistor - 68 Ω ±5% 1/10W	
147	1630 3682	Resistor - 6.8kΩ - 1/10W	
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149	1640 5102	Capacitor - 1000μF±20% 50V	
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Index No.	Part No.	Description	Q'ty Per Assembly

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