

Model AP-C1c/C1d (B222/B224) PARTS CATALOG

First edition, July 2006

Ricoh Company, LTD.

Model AP-C1c/C1d (B222/B224)

PARTS CATALOG

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

Model AP-C1c/C1d	(B222/B224)
Platen Cover Type 3800C	(G329)
ARDF DF3010	(B802)
Paper Feed Unit PB3000	(B800)
LCIT PB3010	(B801)
1 Bin Tray BN3010	(B803)
Bridge Unit BU3000	(B227)
Booklet Finisher SR3020	(B804)
Punch Unit Type 3260	(B702)
Finisher SR3030	(B805)

Model AP-C1c/C1d (B222/B224)

PARTS CATALOG

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SR790	(B408)
Fax Option Type C4500	(B771)
G3 Interface Unit Type C4500	(B772)
Scanner Accessibility Option Type4045	(B838)

Model AP-C1c/C1d
(B222/B224)

Model AP-C1c/C1d (B222/B224)

PARTS CATALOG

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

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July ,10 ' 2006

Model AP-C1 (B222)

PARTS CATALOG

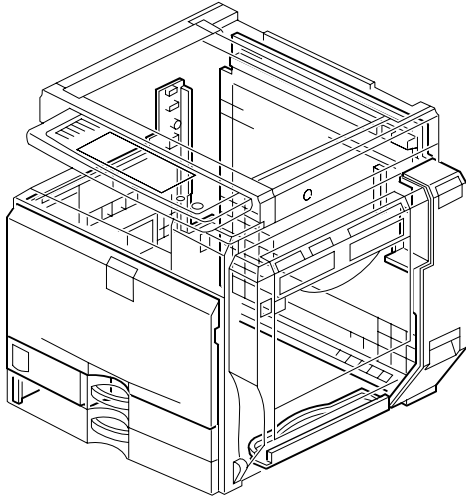
This catalog gives the numbers and names of parts on this machine.

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June ,30 ' 2006

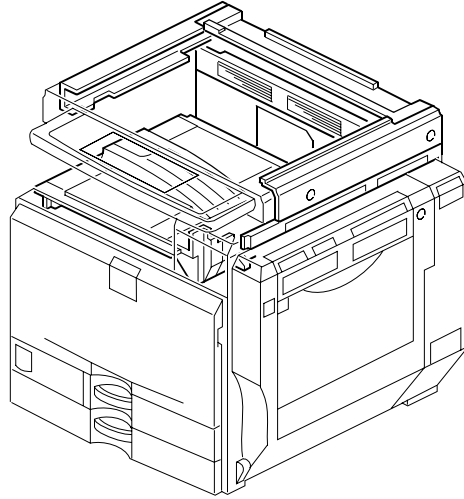
LOCATIONS OF UNITS

1. Exterior 1 (B222/B224)



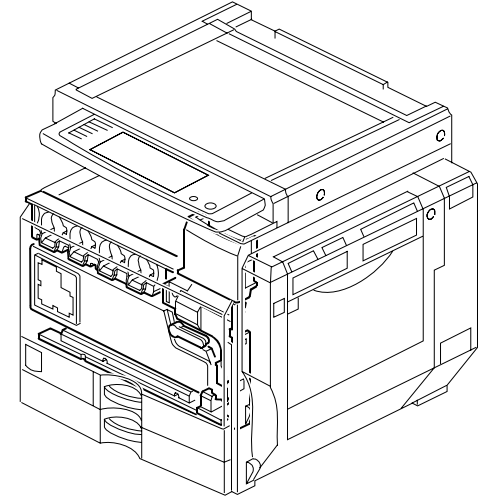
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2. Exterior 2 (B222/B224)



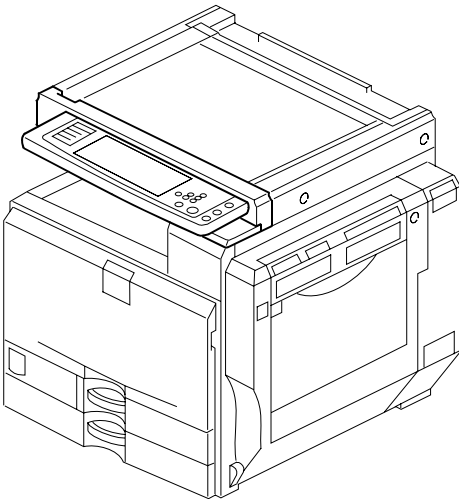
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3. Exterior 3 (B222/B224)



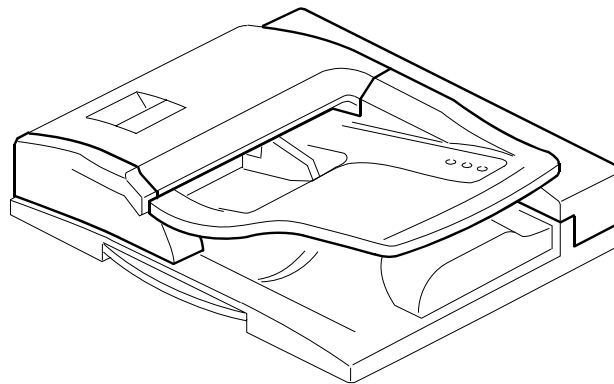
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4. Operation Panel (B222/B224)



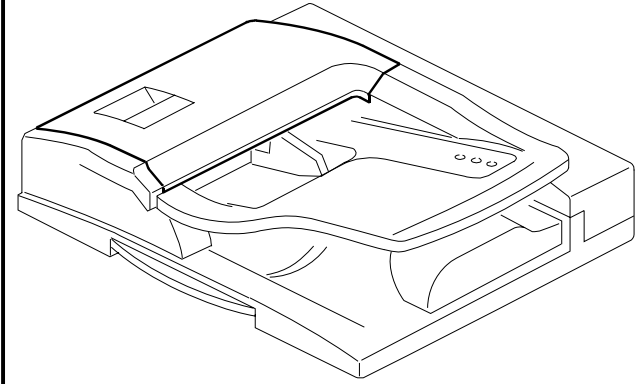
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5. ARDF Exterior (B222/B224)



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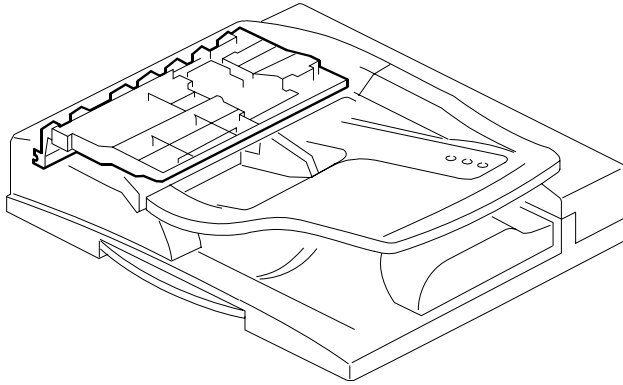
6. Original Feed 1 (B222/B224)



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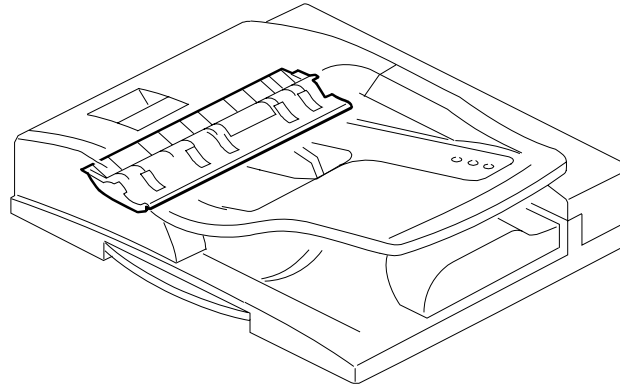
LOCATIONS OF UNITS

7. Original Feed 2 (B222/B224)



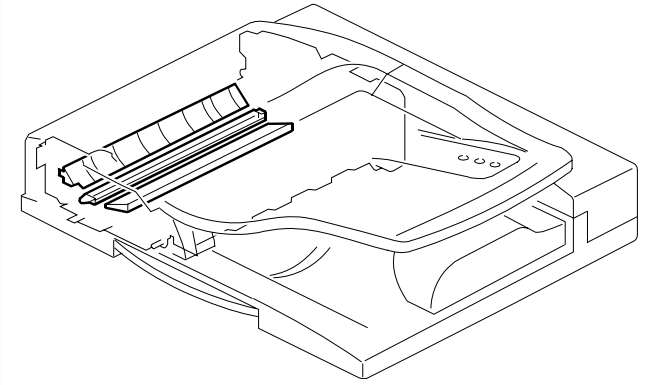
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8. Original Feed 3 (B222/B224)



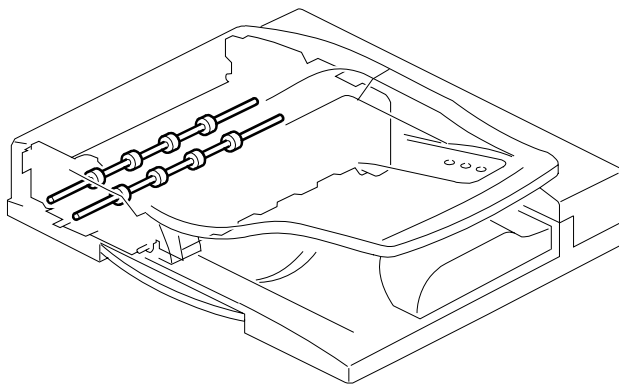
See Page 27

9. Original Transfer 1 (B222/B224)



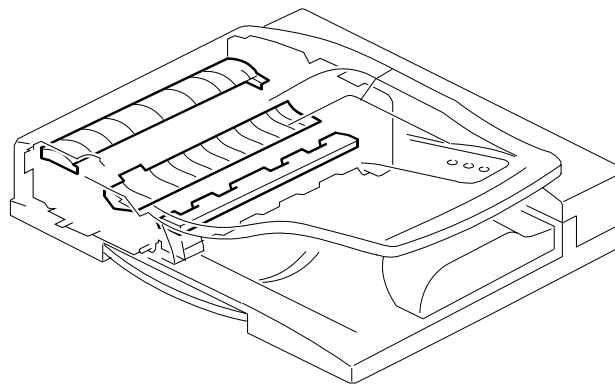
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10. Original Transfer 2 (B222/B224)



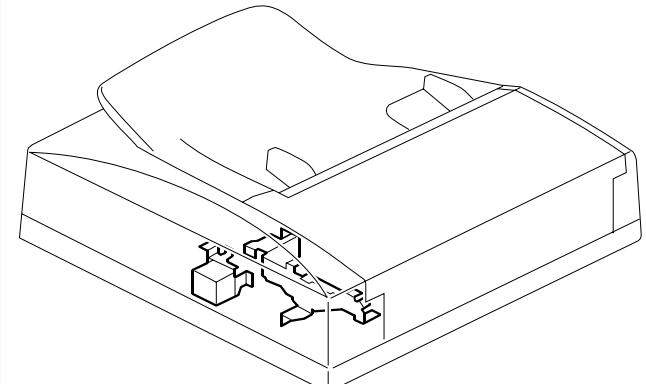
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11. Original Transfer 3 (B222/B224)



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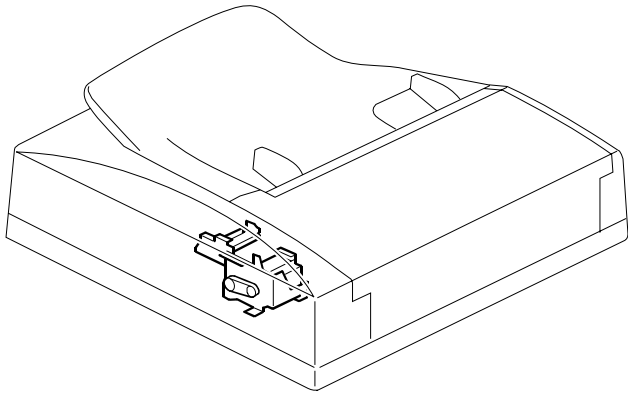
12. ARDF Drive Section 1 (B222/B224)



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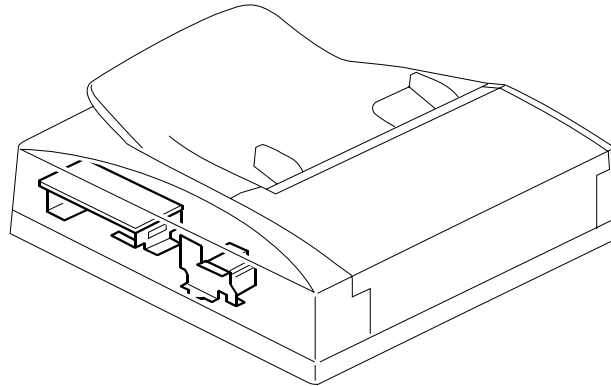
LOCATIONS OF UNITS

13. ARDF Drive Section 2 (B222/B224)



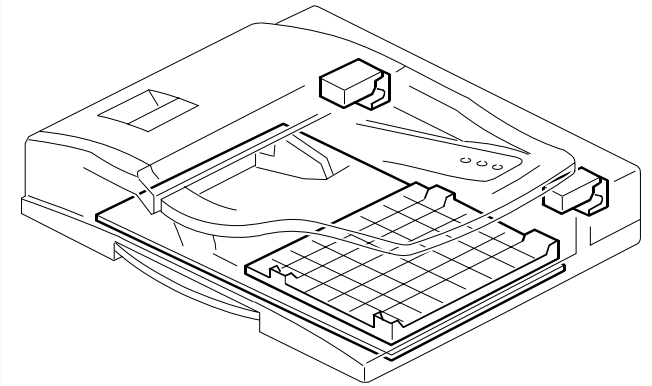
See Page 37

14. ARDF Electrical Section (B222/B224)



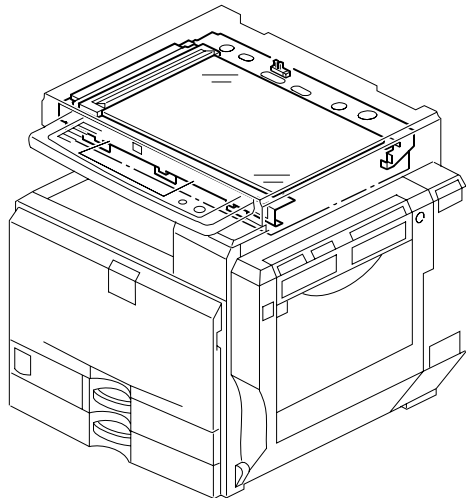
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15. ARDF Frame Section (B222/B224)



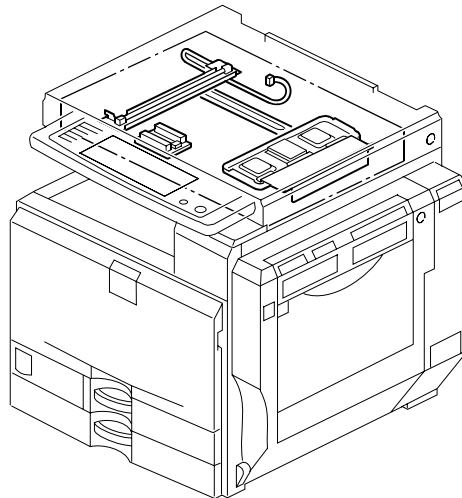
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16. Scanner Section 1 (B222/B224)



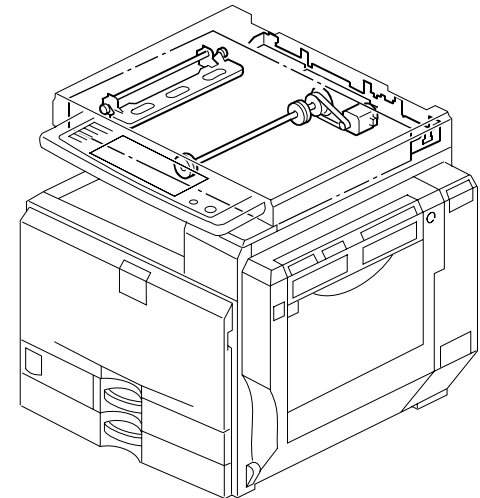
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17. Scanner Section 2 (B222/B224)



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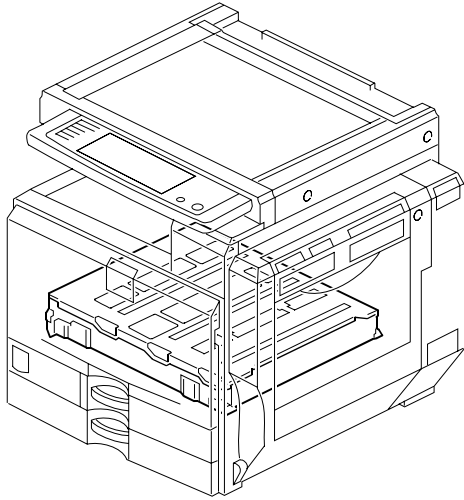
18. Scanner Section 3 (B222/B224)



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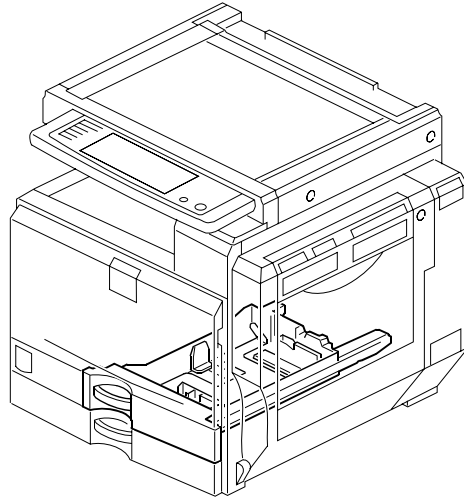
LOCATIONS OF UNITS

19. LD unit (B222/B224)



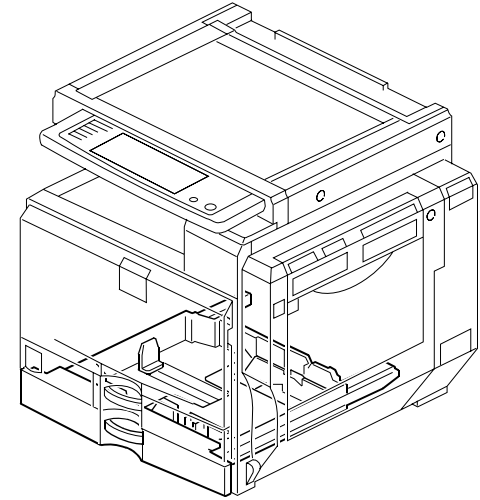
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20. 1st Paper Tray (B222/B224)



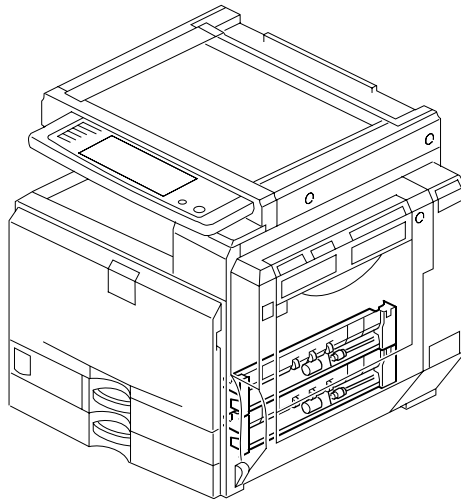
See Page 51

21. 2nd Paper Tray (B222/B224)



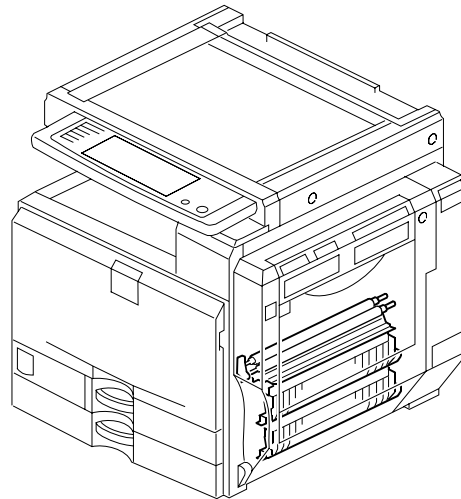
See Page 53

22. Paper Feed Section (B222/B224)



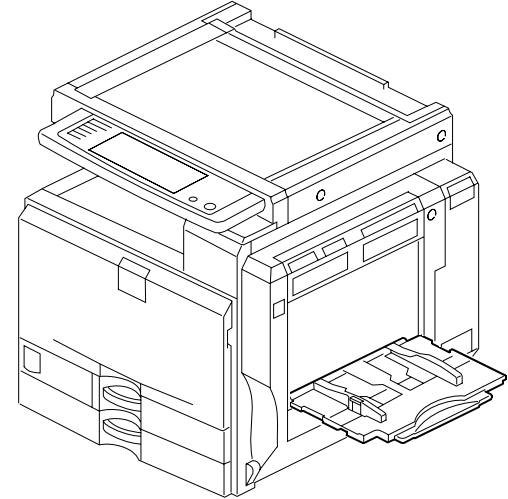
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23. Paper Registration (B222/B224)



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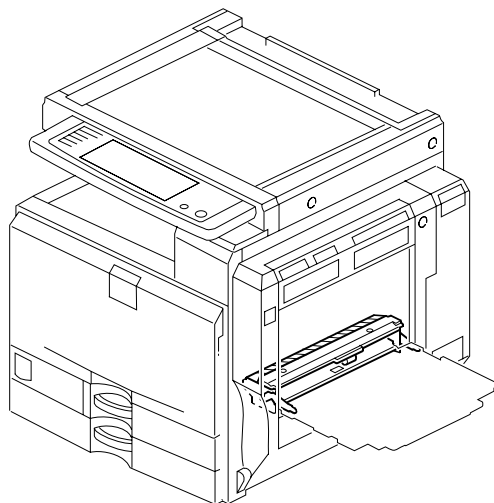
24. By-pass Feed Section 1 (B222/B224)



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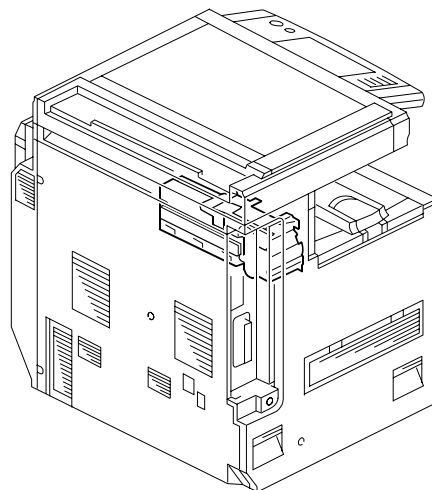
LOCATIONS OF UNITS

25. By-pass Feed Section 2 (B222/B224)



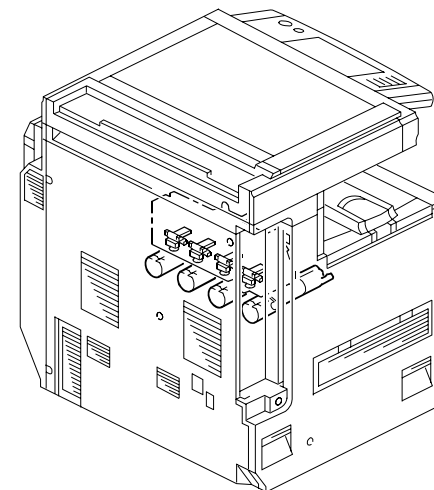
See Page 61

26. Toner Supply Unit 1 (B222/B224)



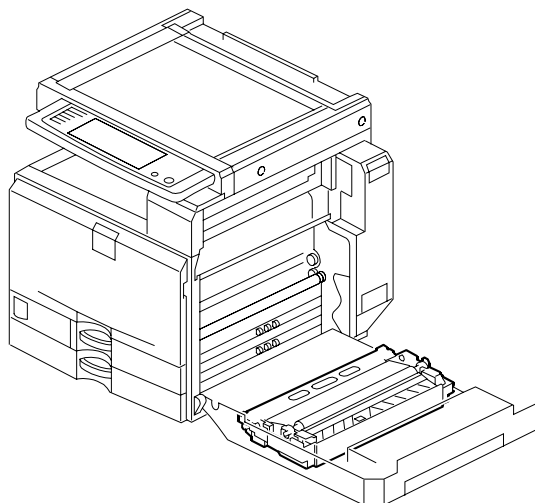
See Page 63

27. Toner Supply Unit 2 (B222/B224)



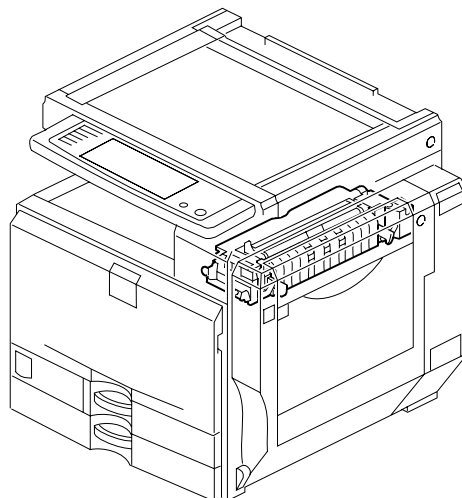
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28. Paper Separation (B222/B224)



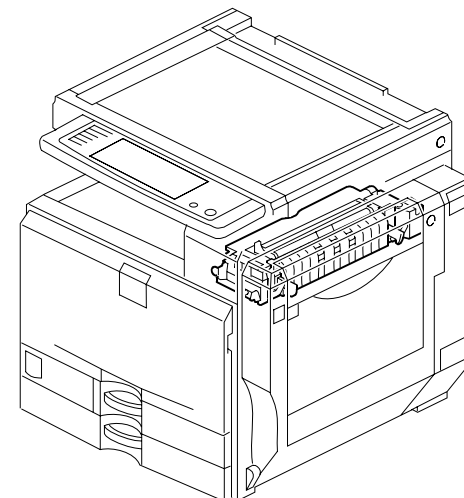
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29. Fusing unit 1 (B222/B224)



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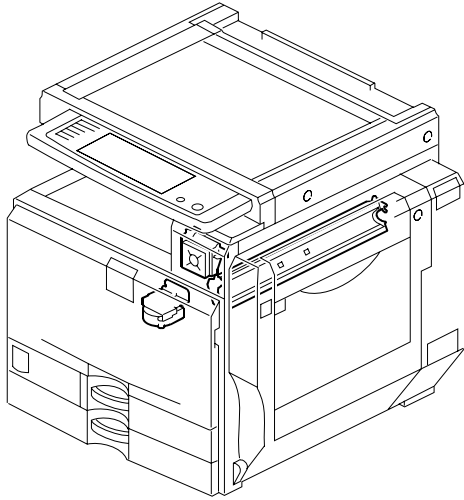
30. Fusing unit 2 (B222/B224)



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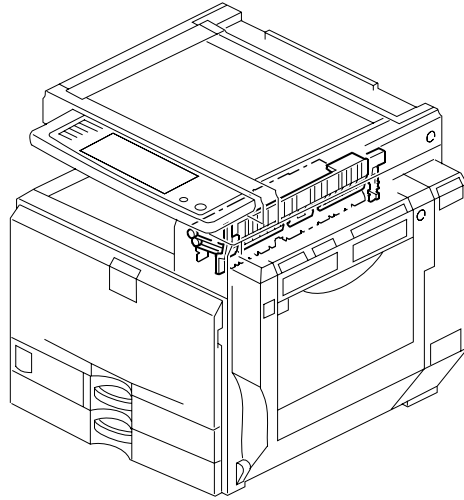
LOCATIONS OF UNITS

31. Fusing unit 3 (B222/B224)



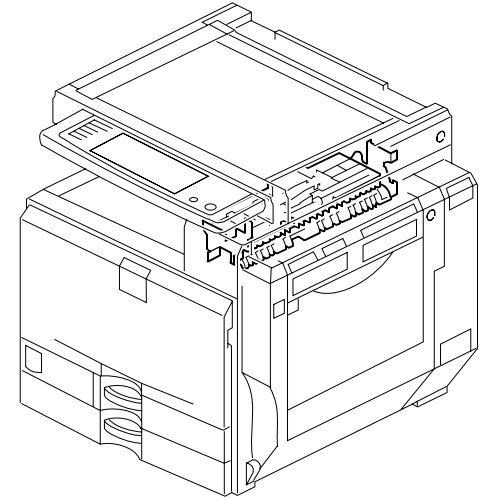
See Page 73

32. Paper Exit Section 1 (B222/B224)



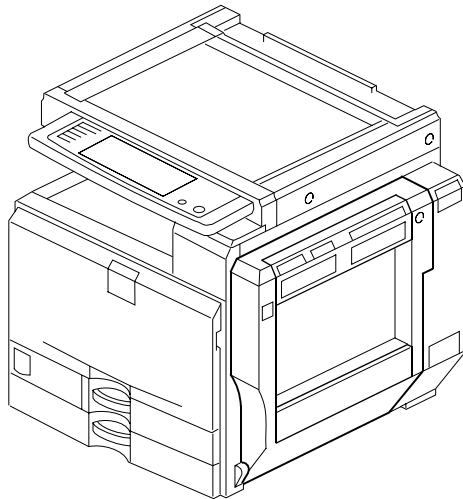
See Page 75

33. Paper Exit Section 2 (B222/B224)



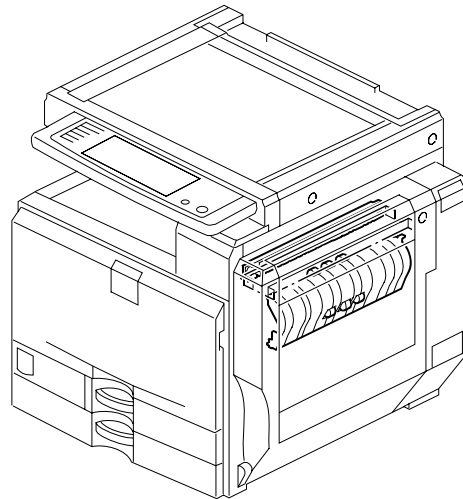
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34. Duplex Unit 1 (B222/B224)



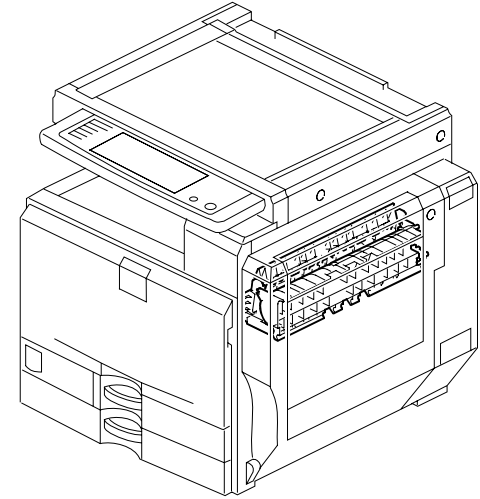
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35. Duplex Unit 2 (B222/B224)



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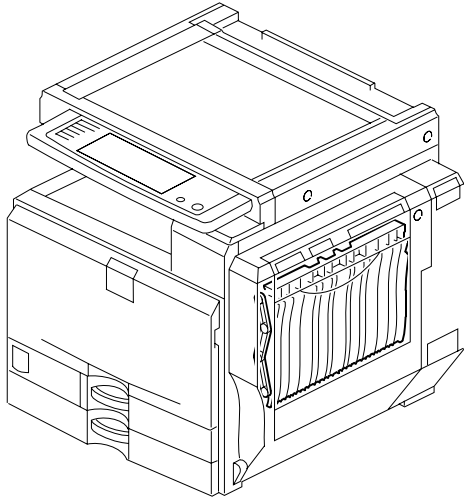
36. Duplex Unit 3 (B222/B224)



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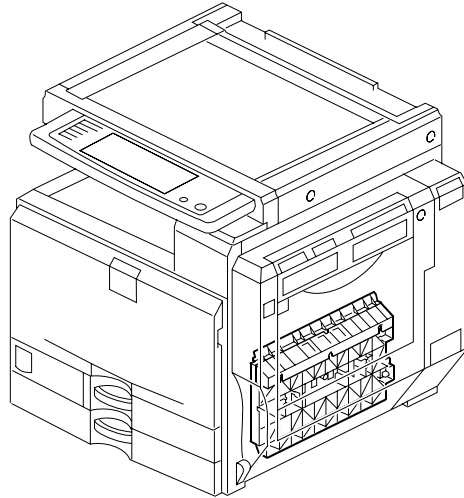
LOCATIONS OF UNITS

37. Duplex Unit 4 (B222/B224)



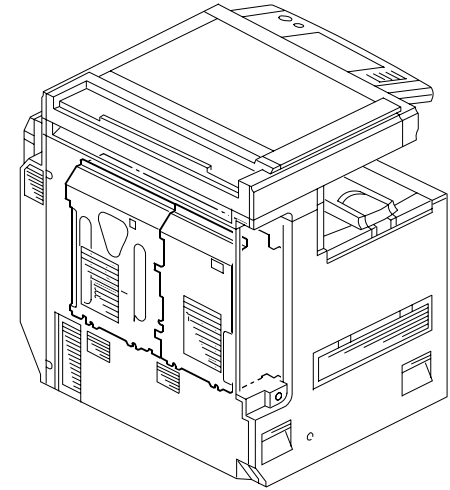
See Page 85

38. Duplex Unit 5 (B222/B224)



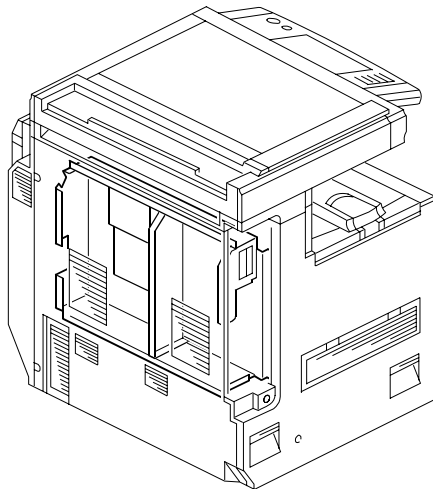
See Page 87

39. Electrical Section 1 (B222/B224)



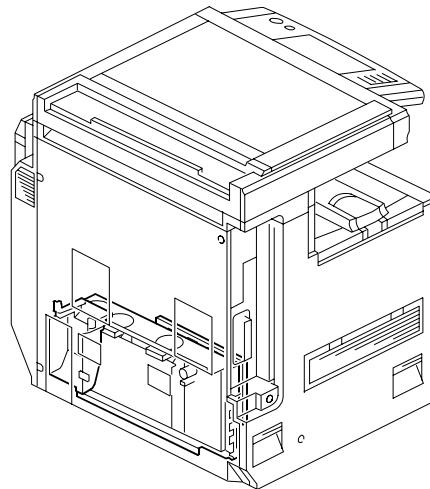
See Page 89

40. Electrical Section 2 (B222/B224)



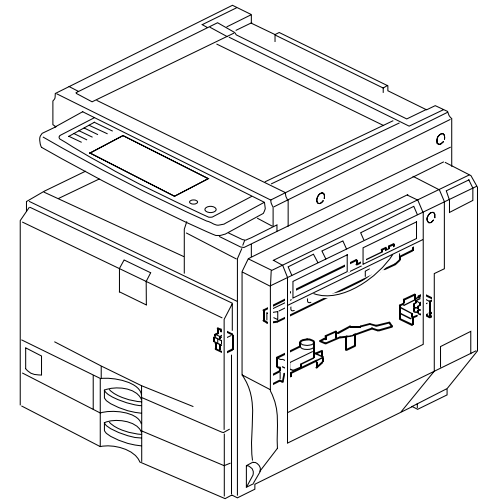
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41. Electrical Section 3 (B222/B224)



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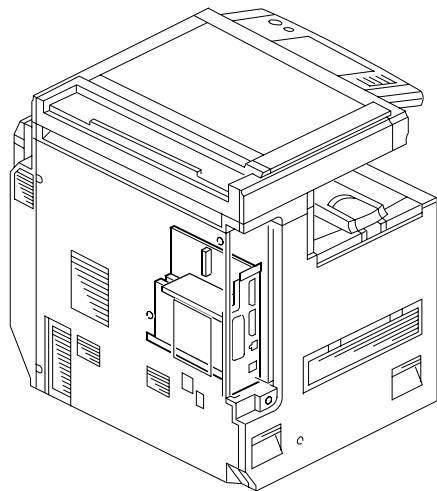
42. Electrical Section 4 (B222/B224)



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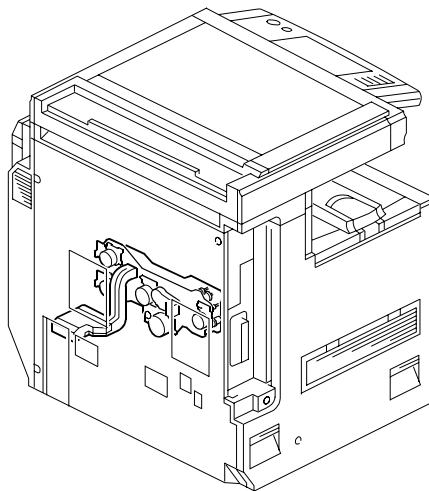
LOCATIONS OF UNITS

43. Controller Unit (B222/B224)



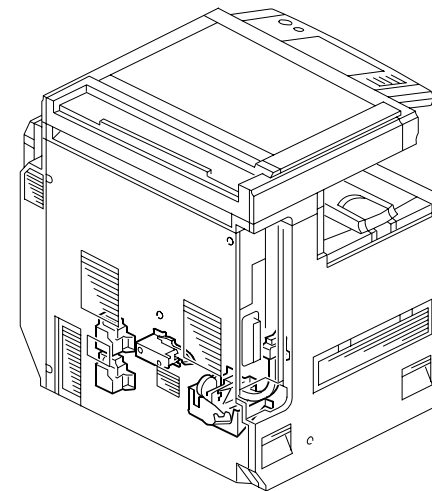
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44. Drive Section 1 (B222/B224)



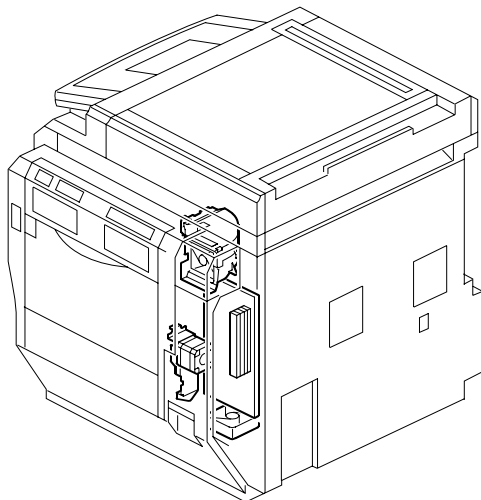
See Page 99

45. Drive Section 2 (B222/B224)



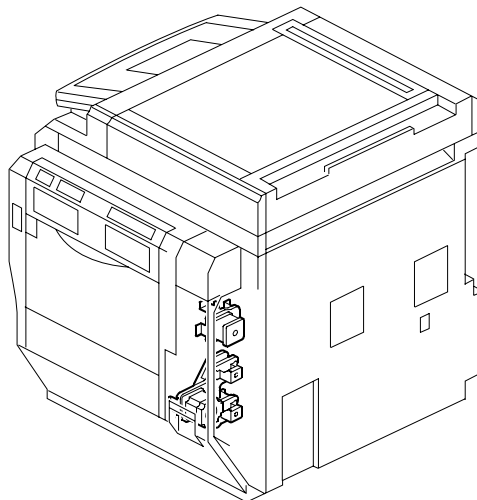
See Page 101

46. Drive Section 3 (B222/B224)



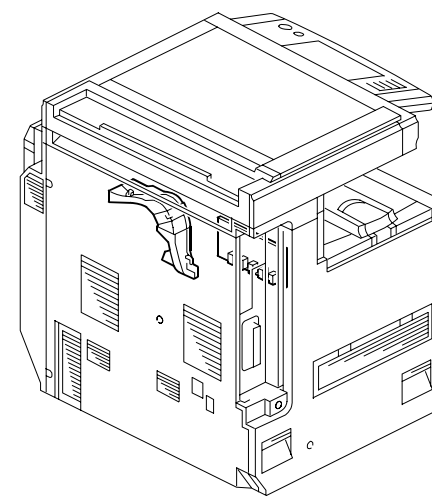
See Page 103

47. Drive Section 4 (B222/B224)



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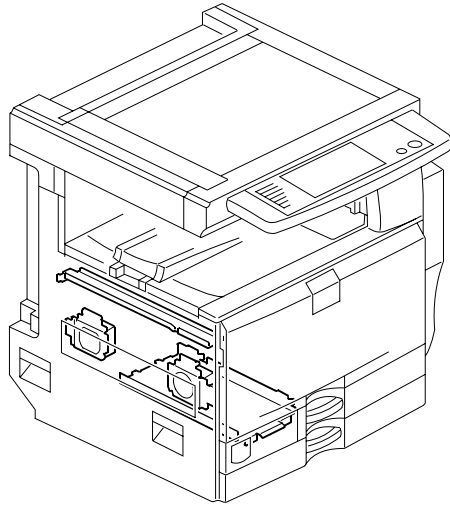
48. Drive Section 5 (B222/B224)



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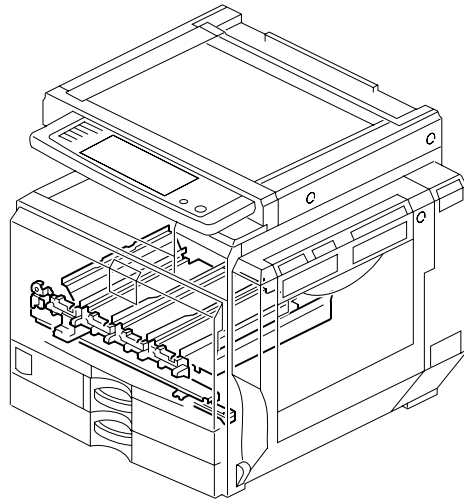
LOCATIONS OF UNITS

49. Frame Section 1 (B222/B224)



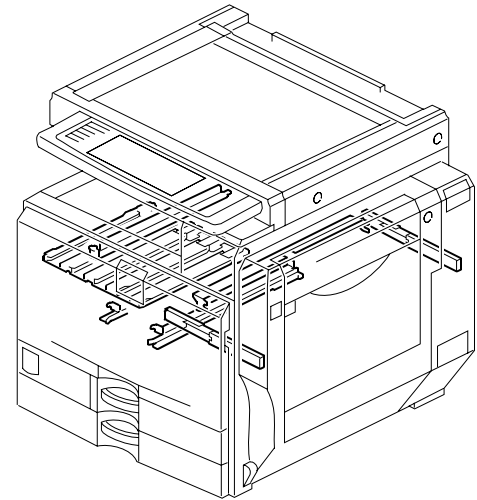
See Page 109

50. Frame Section 2 (B222/B224)



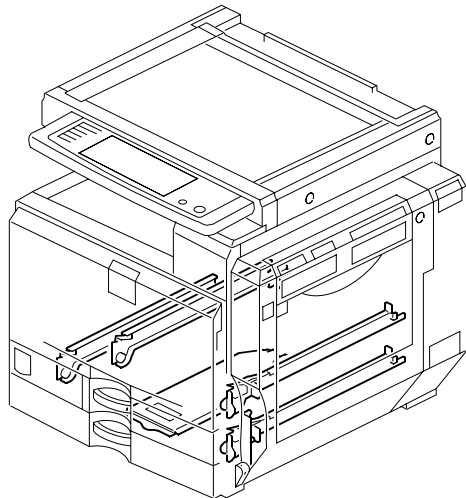
See Page 111

51. Frame Section 3 (B222/B224)



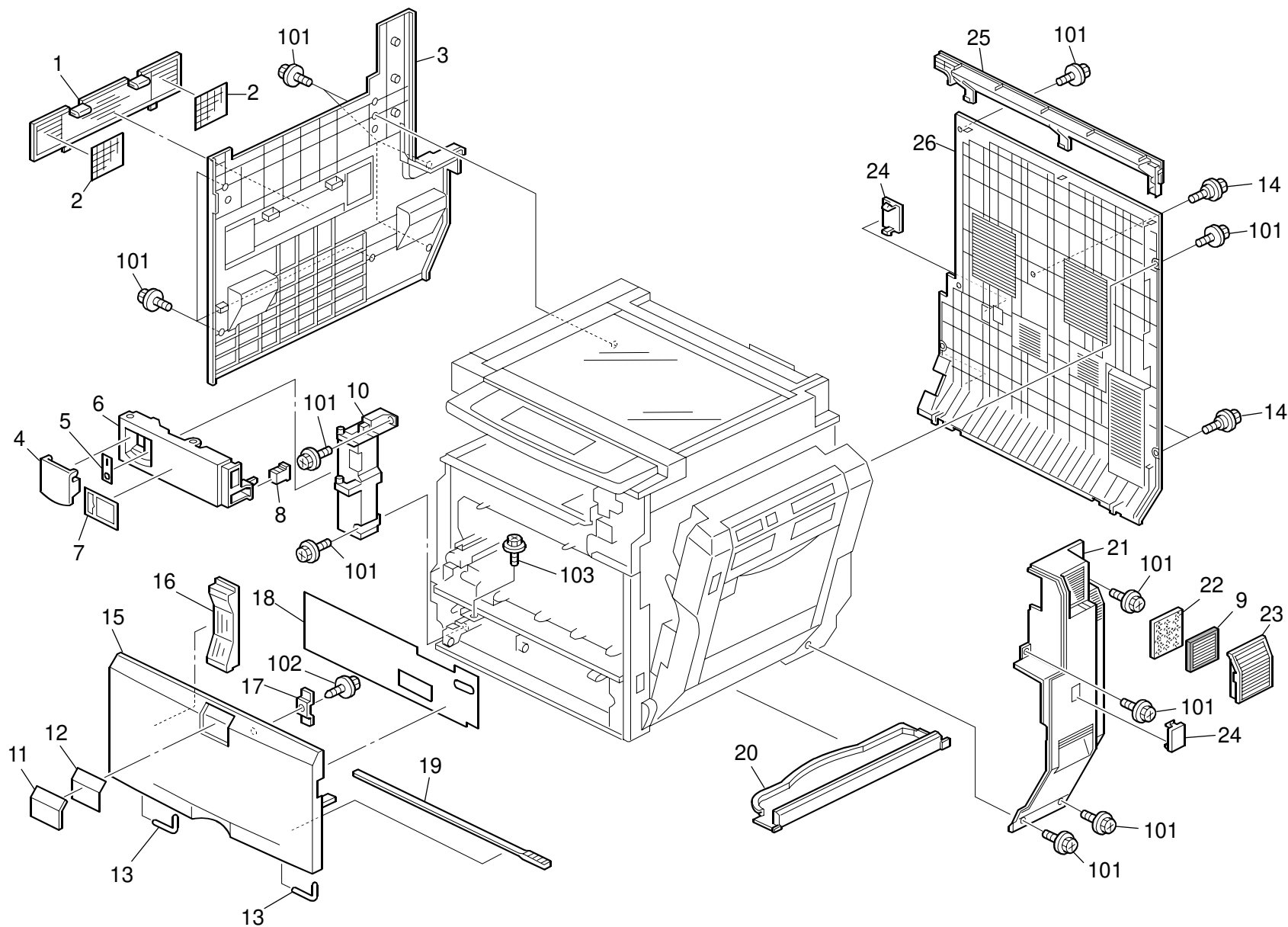
See Page 113

52. Frame Section 4 (B222/B224)



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1.Exterior 1 (B222/B224)

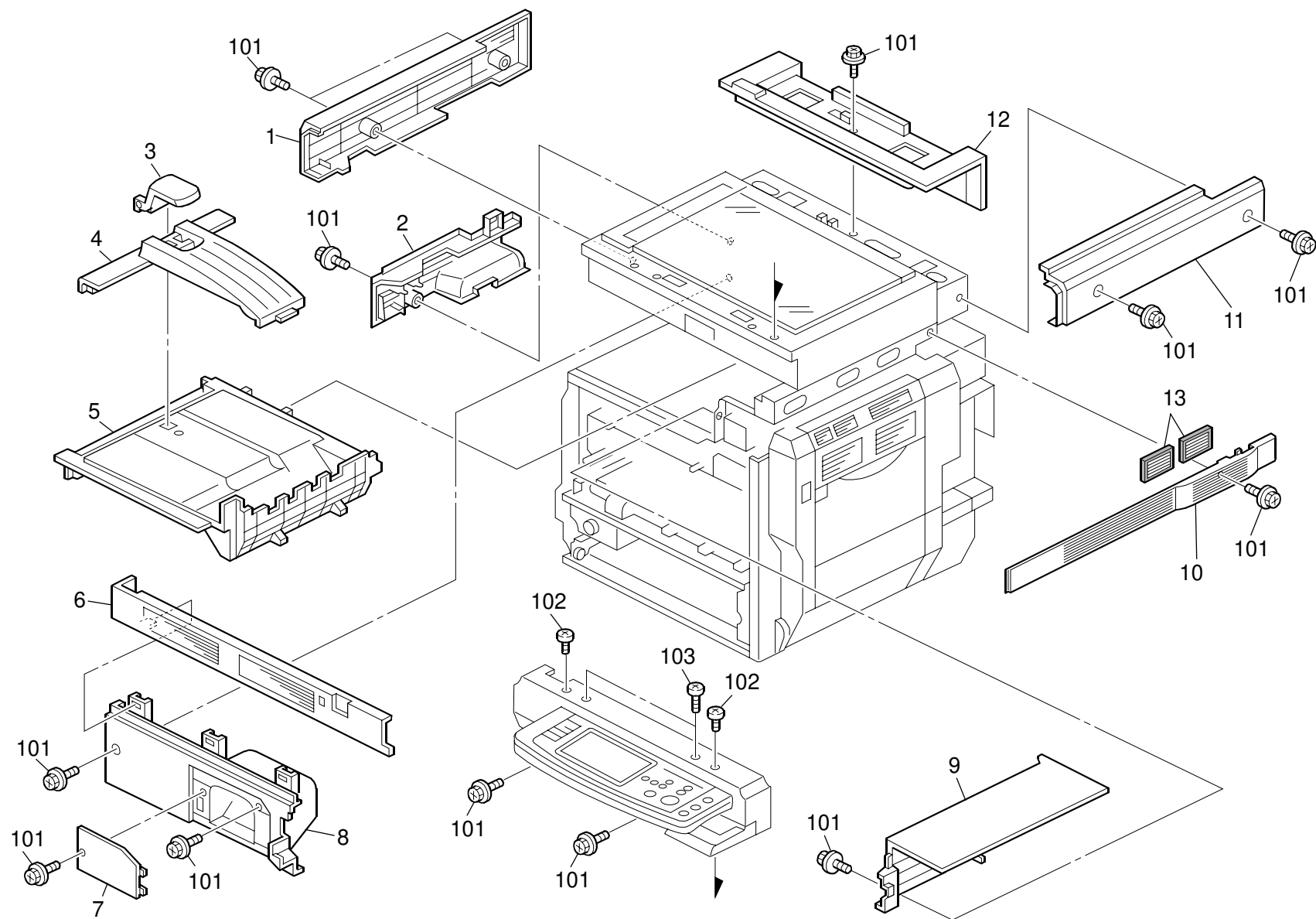


1.Exterior 1 (B222/B224)

Index No.	Part No.	Description	Q'ty Per Assembly
1	B223 1283	Cover:Left:Middle	1
2	B223 1348	Filter:Image Forming MD	2
3	B223 1281	Cover:Left	1
4	B223 1255	Cover - Main Switch	1
5	B238 1372	Decal - Main Switch(on-off)	1
6	B223 1254	Collection Bottlecover - Front	1
7	B132 1573	Decal - Power Source:Off	1
8	AA02 1030	Magnet Catch	1
9	B223 1277	Ozone Filter:No.1	1
10	B223 1242	Inner Cover - Left	1
11	B223 1253	Emblem Cover	1
12	B222 8331	Sheet:Emblem:AP-C1c:RIC	1
12	B222 8332	Sheet:Emblem:AP-C1c:SVN	1
12	B222 8333	Sheet:Emblem:AP-C1c:GES:NA	1
12	B222 8334	Sheet:Emblem:AP-C1c:LAN:NA	1
12	B222 8335	Sheet:Emblem:AP-C1c:INF	1
12	B222 8336	Sheet:Emblem:AP-C1c:NSA	1
12	B222 8337	Sheet:Emblem:AP-C1c:REX	1
12	B222 8338	Sheet:Emblem:AP-C1c:GES:EU	1
12	B222 8339	Sheet:Emblem:AP-C1c:LAN:EU	1
12	B222 8343	Sheet:Emblem:AP-C1c:GES:AA	1
12	B224 8331	Sheet:Emblem:AP-C1d:RIC	1
12	B224 8332	Sheet:Emblem:AP-C1d:SVN	1
12	B224 8333	Sheet:Emblem:AP-C1d:GES:NA	1
12	B224 8334	Sheet:Emblem:AP-C1d:LAN:NA	1
12	B224 8335	Sheet:Emblem:AP-C1d:INF	1
12	B224 8336	Sheet:Emblem:AP-C1d:NSA	1
12	B224 8337	Sheet:Emblem:AP-C1d:REX	1
12	B224 8338	Sheet:Emblem:AP-C1d:GES:EU	1
12	B224 8339	Sheet:Emblem:AP-C1d:LAN:EU	1
12	B224 8343	Sheet:Emblem:AP-C1d:GES:AA	1
13	G020 1332	Hinge - Front Cover	2
14	AA14 3823	Tapping Screw	5
15	B224 1251	Cover:Front:EU	1
16	B223 1246	Guide Plate:Scanner	1

Index No.	Part No.	Description	Q'ty Per Assembly
17	B024 1264	Magnet Catch	1
18	B223 1256	Sheet:Misfeed Removal	1
19	B223 1279	Cleaner:Shield Glass:Ass'y	1
20	B238 1380	Cover - Right	1
21	B223 1272	Cover:Right:Rear	1
22	B223 1276	Filter:Right Rear	1
23	B223 1274	Cover:Right Rear:Fan	1
24	B223 1293	Cap:Cover:Rear	2
25	B223 1292	Cover:Rear:Upper	1
26	B223 1291	Cover:Rear	1
101	0451 3008N	Tapping Screw - M3x8	
102	0450 3010N	Tapping Screw - M3x10	
103	0450 3012N	Tapping Screw:3x12	

2.Exterior 2 (B222/B224)

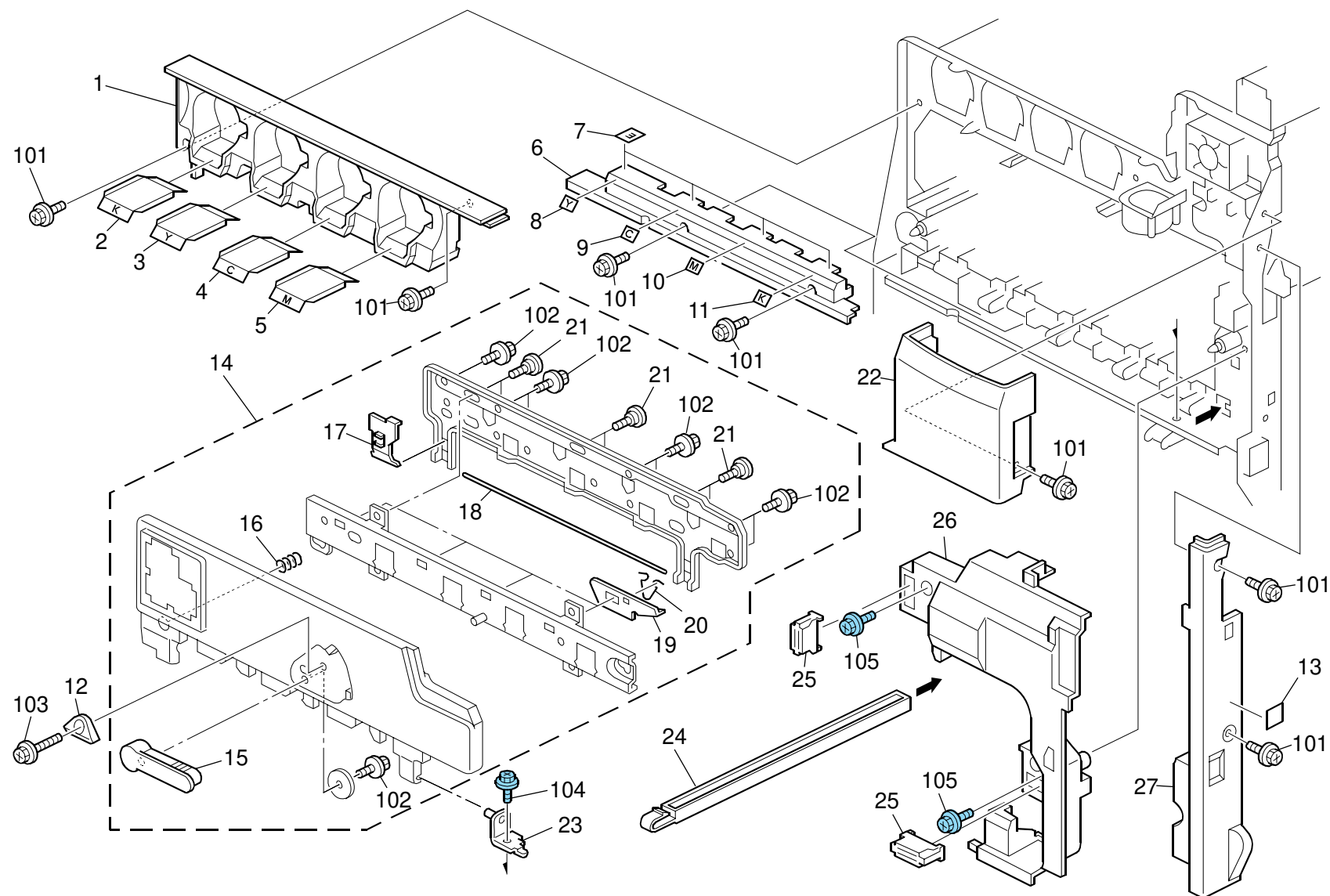


2.Exterior 2 (B222/B224)

Index No.	Part No.	Description	Q'ty Per Assembly
1	B223 1818	Cover:Scanner:Left	1
1	B222 1818	Cover:Scanner:Left:EU	1
2	B223 1282	Cover:Left:Upper	1
3	B223 4487	Exit End Fence	1
4	B223 4486	Exit Tray	1
5	B223 1260	Cover:Upper	1
6	B223 1262	Cover:Inner Back:Upper	1
7	B223 1263	Cover - Inner Back Middle	1
8	B223 1261	Cover:Inner Back	1
9	B223 1266	Cover:Paper Exit Unit:Upper	1
10	B223 1273	Cover:Right:Upper Middle	1
11	B223 1819	Cover:Scanner:Right	1
11	B222 1819	Cover:Scanner:Right:EU	1
12	B223 1820	Cover:Scanner:Rear	1
12	B222 1820	Cover:Scanner:Rear:EU	1
13	B223 1278	Ozone Filter:No.2	2

Index No.	Part No.	Description	Q'ty Per Assembly
101	0451 3008N	Tapping Screw - M3x8	
102	0353 0030N	Screw:M3X3	
103	0353 0050N	Screw-m3x5	

3.Exterior 3 (B222/B224)

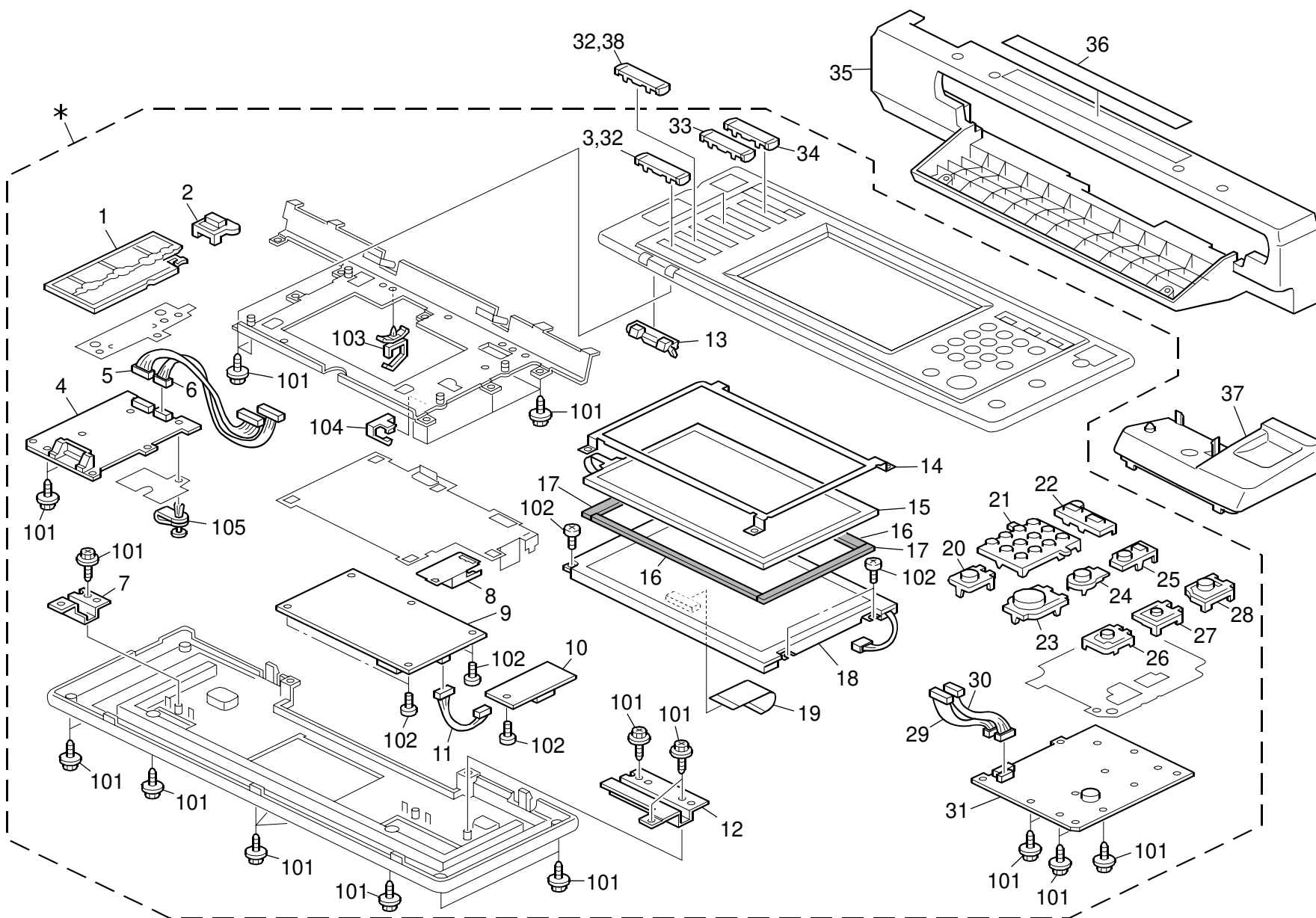


3.Exterior 3 (B222/B224)

Index No.	Part No.	Description	Q'ty Per Assembly
1	B223 1241	Inner Cover:Upper:Left	1
2	B238 3364	Decal:Colored Display:BK:Inner Cover	1
3	B238 3365	Decal:Colored Display:Y:Inner Cover	1
4	B238 3366	Decal:Colored Display:C:Inner Cover	1
5	B238 3367	Decal:Colored Display:M:Inner Cover	1
6	B223 1244	Inner Cover - Middle	1
7	B238 1368	Decal - Cleaning	4
8	GA00 3030	Decal - Shielding Plate Y	1
9	GA00 3032	Decal - Shielding Plate C	1
10	GA00 3031	Decal - Shielding Plate M	1
11	GA00 3033	Decal - Shielding Plate K	1
12	B223 1304	Stopper:Lever:Drum Stay	1
13	B238 1362	Decal - Misfeed Removal B1	1
14	B223 1300	Drum Stay PCU Ass'y	1
15	B223 1303	Drum Stay Lever	1
16	B223 1318	Spring	1
17	B223 1306	Drum Stay	1
18	B223 1319	Wire	1
19	B223 1315	Ball Bearing Plate	4
20	B223 1316	Ball Bearing Clip	4
21	B223 1317	Screw	6
22	B223 1264	Cover:Front Right	1
23	B223 1123	Hinge - Cover Drum Stay	1
24	B238 2615	Case - Remove Paper Dust	1
25	AG07 1012	Magnet Catch:Ass'y	2
26	B223 1243	Inner Cover:Upper:Right	1
27	B223 1271	Cover:Right:Front	1

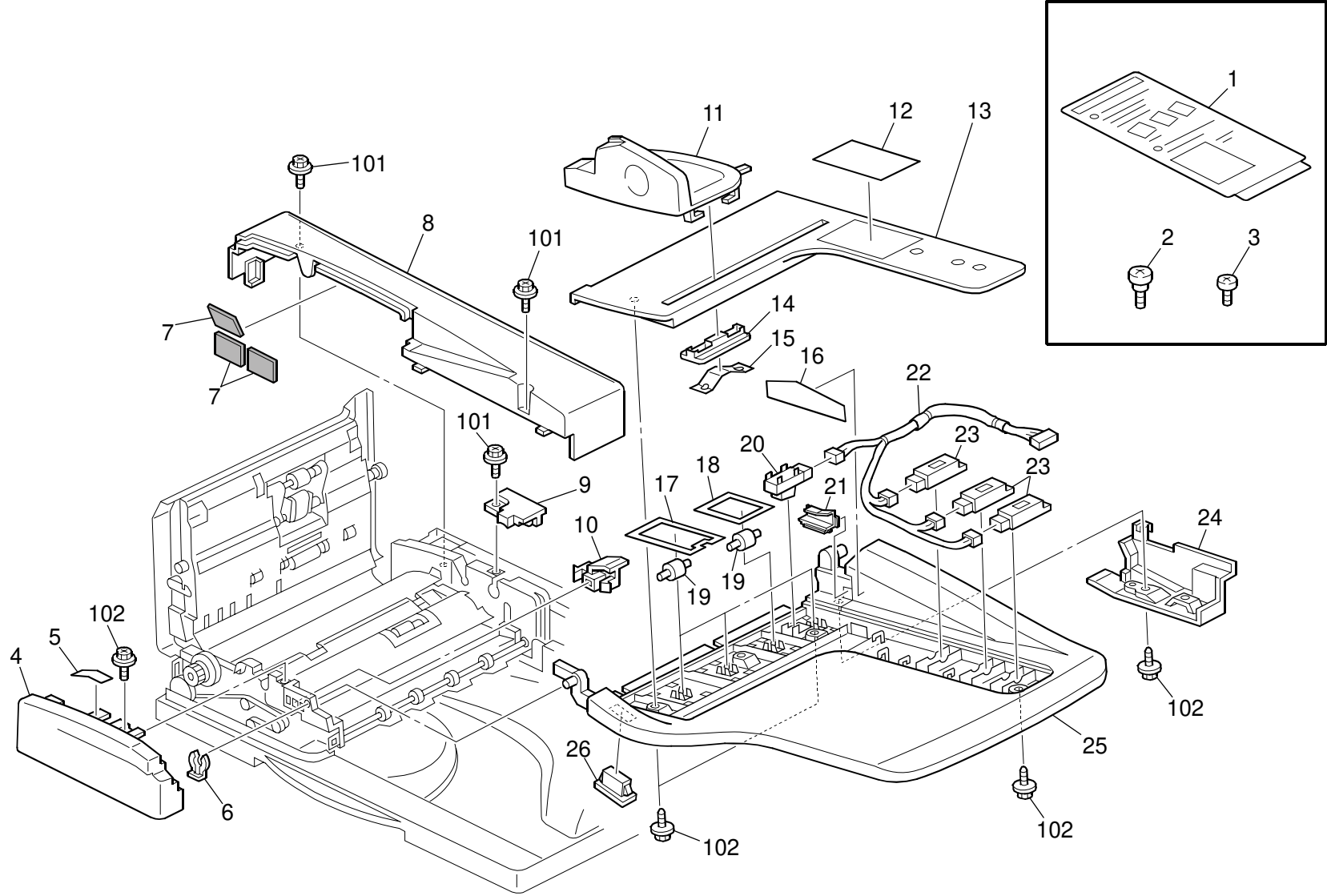
Index No.	Part No.	Description	Q'ty Per Assembly
101	0451 3008N	Tapping Screw - M3x8	
102	0450 3010N	Tapping Screw - M3x10	
103	0451 3012N	Tapping Screw:3x12	
104	0454 3006Q	Tapping Screw - M3x6	
105	0454 3008Q	Tapping Screw:3x8	

4.Operation Panel (B222/B224)





5.ARDF Exterior (B222/B224)

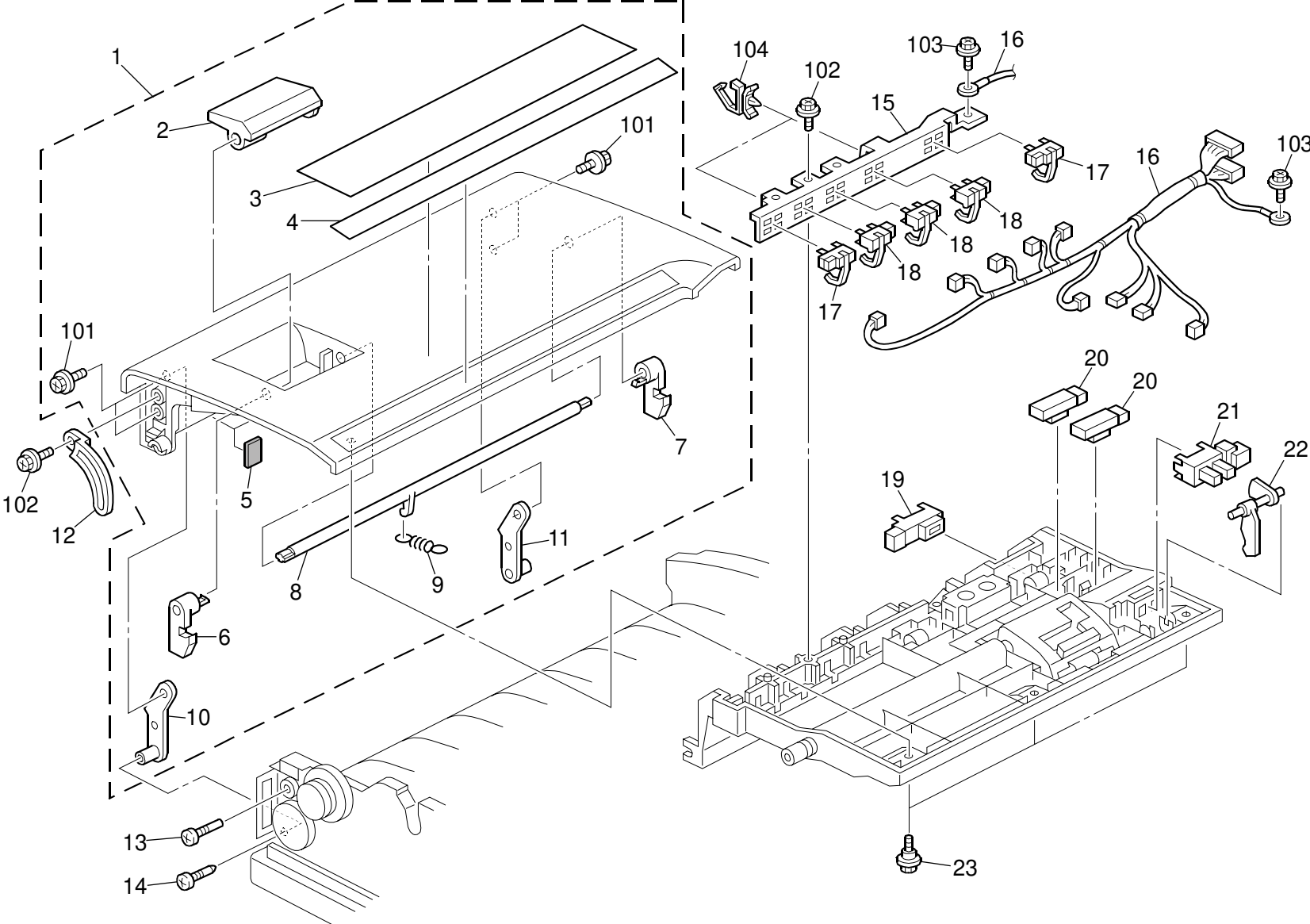


5.ARDF Exterior (B222/B224)

Index No.	Part No.	Description	Q'ty Per Assembly
1	B652 2379	Decal:Caution:Original:5-lang	1
2	A859 7211	Stepped Screw	2
3	A548 6121	Screw - M4	2
4	B802 4411	Cover:Front	1
5	B802 6013	Decal:Display:Misfeed Removal:P1	1
6	5215 2621	Snap Ring - M6	1
7	B802 4712	Sound Proofing Material:Cover:Rear	3
8	B802 4511	Cover:Rear	1
9	B802 2551	Stay:Original Table:Contact Point	1
10	B802 2581	Stopper:Original Table	1
11	B802 2526	Side Fence	1
12	B789 6031	Decal - Original Table	1
13	B802 2522	Original Table:Face Front	1
14	B802 2536	Slider:Side Fence	1
15	B802 2532	Spring Plate:Side Fence	1
16	B802 6011	Decal:Side Fence	1
17	B802 2571	Spring Plate:0.2t	3
18	A858 4676	Spring Plate - Pressure Roller	1
19	A858 4671	Roller Driven	4
20	GW01 0007	Photo Refiection Sensor:Exit	1
21	B802 2541	Guide:Original Insert	1
22	B802 5750	Harness:Original Table	1
23	AW01 0129	Photo Refiection Sensor	3
24	B802 2562	Plate:Contact Point	1
25	B802 2512	Original Table	1
26	AG07 0513	Magnet Catch	1

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

6.Original Feed 1 (B222/B224)

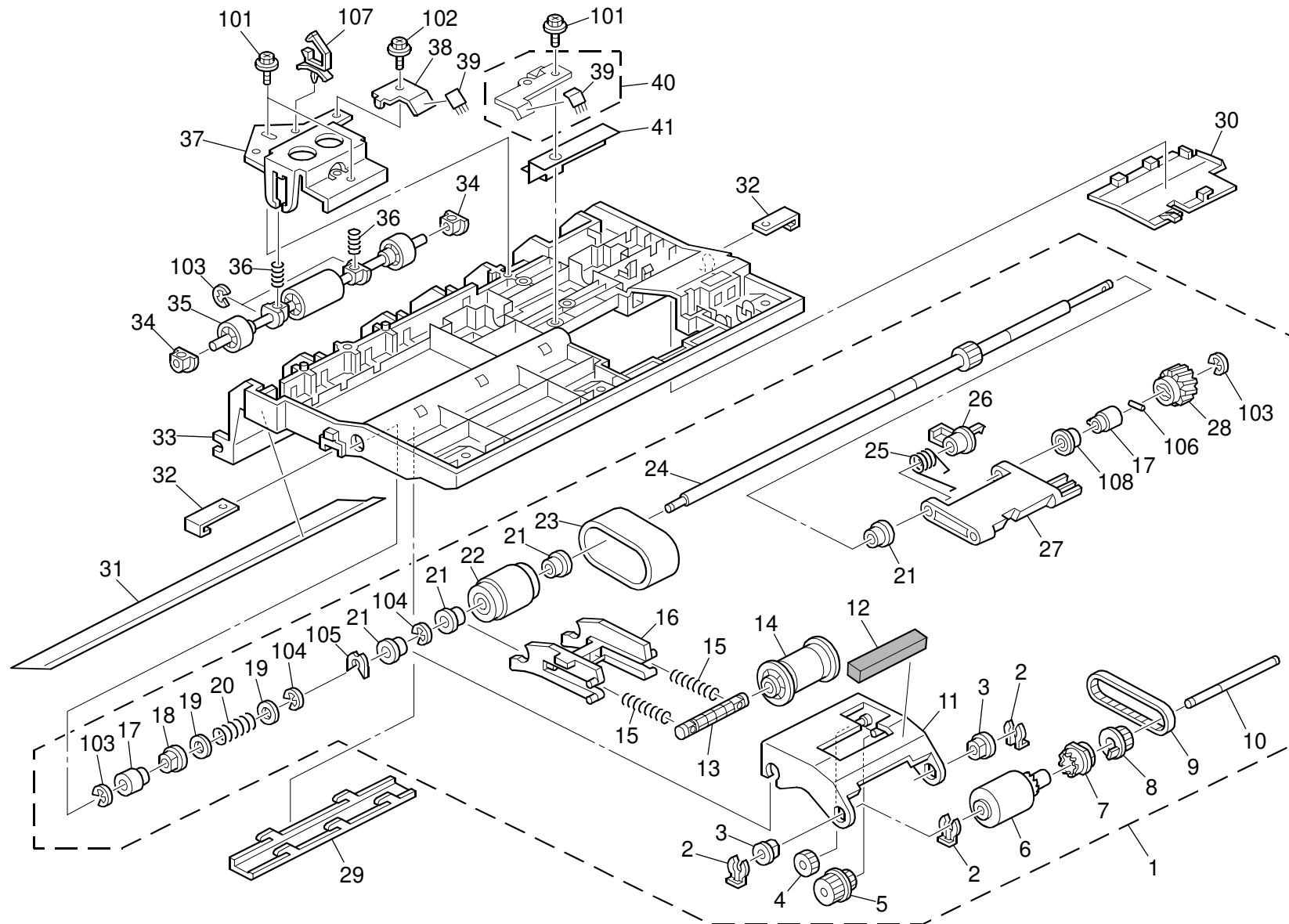


6.Original Feed 1 (B222/B224)

Index No.	Part No.	Description	Q'ty Per Assembly
1	B802 4121	Cover:Paper Feed	1
2	B802 4152	Grip:Cover	1
3	B802 6012	Decal:Misfeed Removal:Original	1
4	B652 1807	Decal:Size:Original	1
5	B802 4711	Sound Proofing Material	2
6	B802 4154	Hook:Grip:Cover:Front	1
7	B802 4155	Hook:Grip:Cover:Inner Back	1
8	B802 4158	Shaft:Grip:Cover	1
9	AA06 2262	Tension Spring	1
10	B802 4241	Bracket:Cover:Front	1
11	B802 4231	Bracket:Cover:Inner Back	1
12	B802 4162	Stopper:Cover	1
13	AA14 3789	Shaft:Cleaner	1
14	AA14 3788	Pin:Guide Plate:Paper Feed	1
15	B802 4252	Bracket:Paper Size Sensor	1
16	B802 5840	Harness:Paper Feed	1
17	AW02 0154	Photointerruptor:Entrance	2
18	AW02 0155	Photointerruptor:Paper Size Sensor	3
19	GW01 0007	Photo Refiection Sensor:Exit	1
20	AW01 0091	Photo Reflection Sensor	2
21	GW02 0020	Photointerruptor:Lg248nl1	1
22	B802 4263	Feeler:Original Sensor	1
23	GA14 3003	Screw:Mm5:2.5MM	3

Index No.	Part No.	Description	Q'ty Per Assembly
101	0451 3010N	Tapping Screw:3x10	
102	0450 3008N	Tapping Screw - M3x8	
103	0451 3006N	Tapping Screw - 3x6	
104	1105 0516	Clamp	

7.Original Feed 2 (B222/B224)

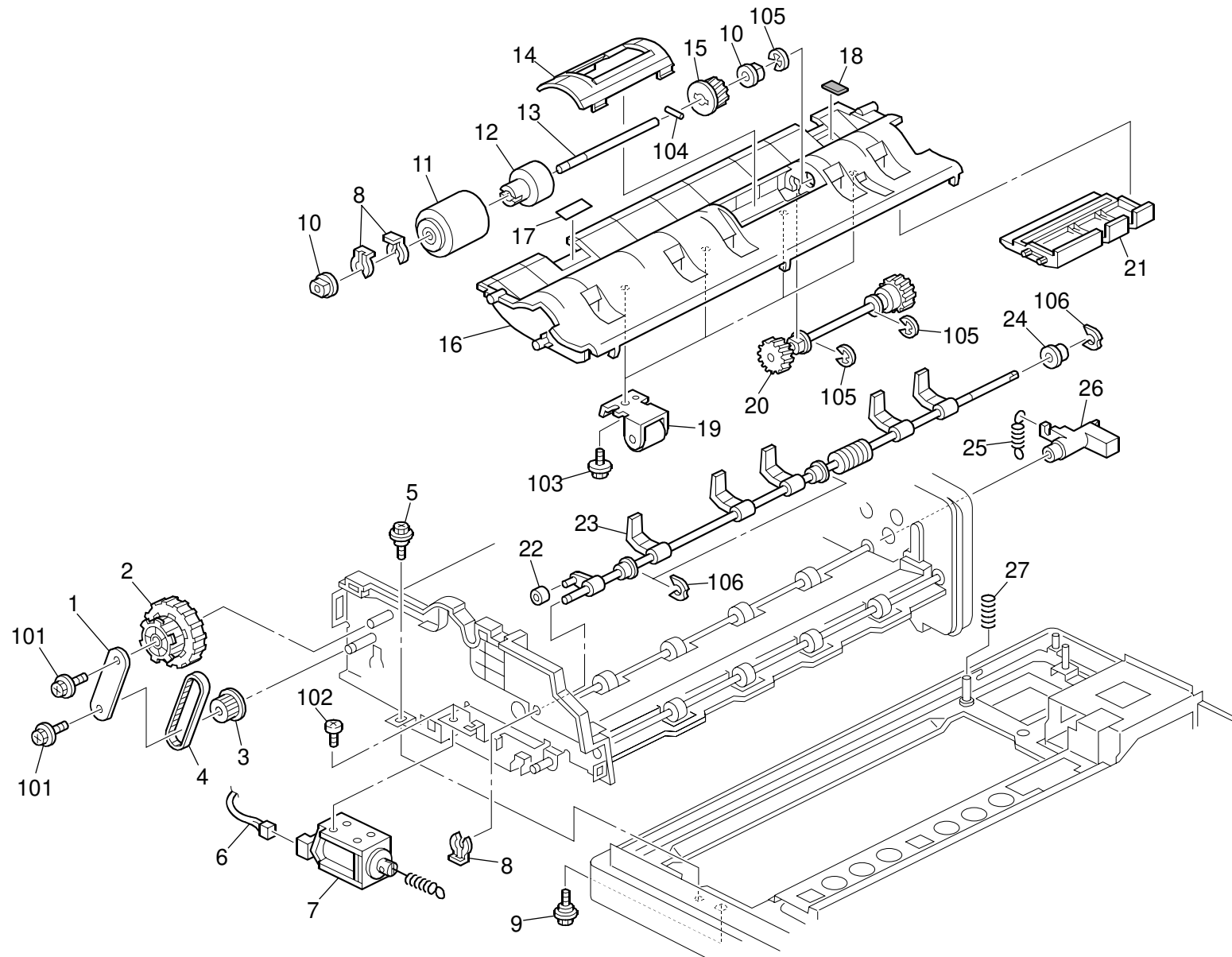


7.Original Feed 2 (B222/B224)

Index No.	Part No.	Description	Q'ty Per Assembly
1	B802 4311	Paper Feed:Unit	1
2	5447 2681	Snap Ring	2
3	AA08 2101	Bushing - 6x10x6	2
4	B802 4357	Gear:Z19	1
5	B802 4358	Timing Pulley:Gear:T19/Z22	1
6	B802 4361	Roller:Pickup	1
7	B387 2163	Pickup Collar	1
8	B802 4372	Timing Pulley:T21	1
9	AA04 3328	Timing Belt:40S2M130	1
10	B802 4352	Shaft:Pickup	1
11	B802 4355	Bracket:Pickup	1
12	B802 4359	Cushion:Pickup	1
13	A859 2112	Drive Shaft - Paper Feed Belt	1
14	B387 2113	Roller - Paper Feed Belt	1
15	B386 3320	Spring:Belt:Paper Feed:8n	2
16	B802 4333	Bracket:Paper Feed Belt	1
17	B802 4326	Collar:Shaft	2
18	AA08 2104	Bushing - 8x12x7	1
19	AA13 2013	Spacer	2
20	AA06 3435	Compression Spring:Paper Feed:Joint	1
21	A628 1225	Bushing - 8mm	4
22	B789 2114	Paper Feed Belt Roller	1
23	A806 1295	Feed Belt	1
24	B802 4322	Shaft:Drive	1
25	AA06 6376	Torsion Spring:Pickup:Pressure	1
26	B802 4323	Holder	1
27	B802 4325	Lever:Pickup:Release	1
28	B802 4328	Gear:Z20	1
29	B802 4228	Drum Stay:Upper:Front	1
30	B802 4227	Drum Stay:Upper:Inner Back	1
31	B802 4229	Sheet:Guide:Upper	1
32	B802 4224	Spring Plate:Upper	2
33	B802 4222	Guide:Upper	1
34	AA08 0288	Bushing:Dia6	2
35	B802 4295	Driven Roller:Pull Out	1

Index No.	Part No.	Description	Q'ty Per Assembly
36	AA06 3441	Compression Spring	2
37	B802 4282	Bracket:Driven Roller:Pull Out	1
38	B802 4292	Ground Plate:Driven Roller:Pull Out	1
39	G052 4892	Discharge Brush:Exit:Small	2
40	B802 4265	Ground Plate	1
41	B802 4225	Sheet:Driven Roller:Pull Out	1
101	0450 3008N	Tapping Screw - M3x8	
102	0451 3006N	Tapping Screw - 3x6	
103	0720 0040E	Retaining Ring - M4	
104	0720 0060E	Retaining Ring - M6	
105	0805 0088	Retaining Ring - M6	
106	0632 0100G	Pin - 2x10mm	
107	1105 0516	Clamp	
108	0741 3506	Ball Bearing - 6x12x4 Mm	

8.Original Feed 3 (B222/B224)

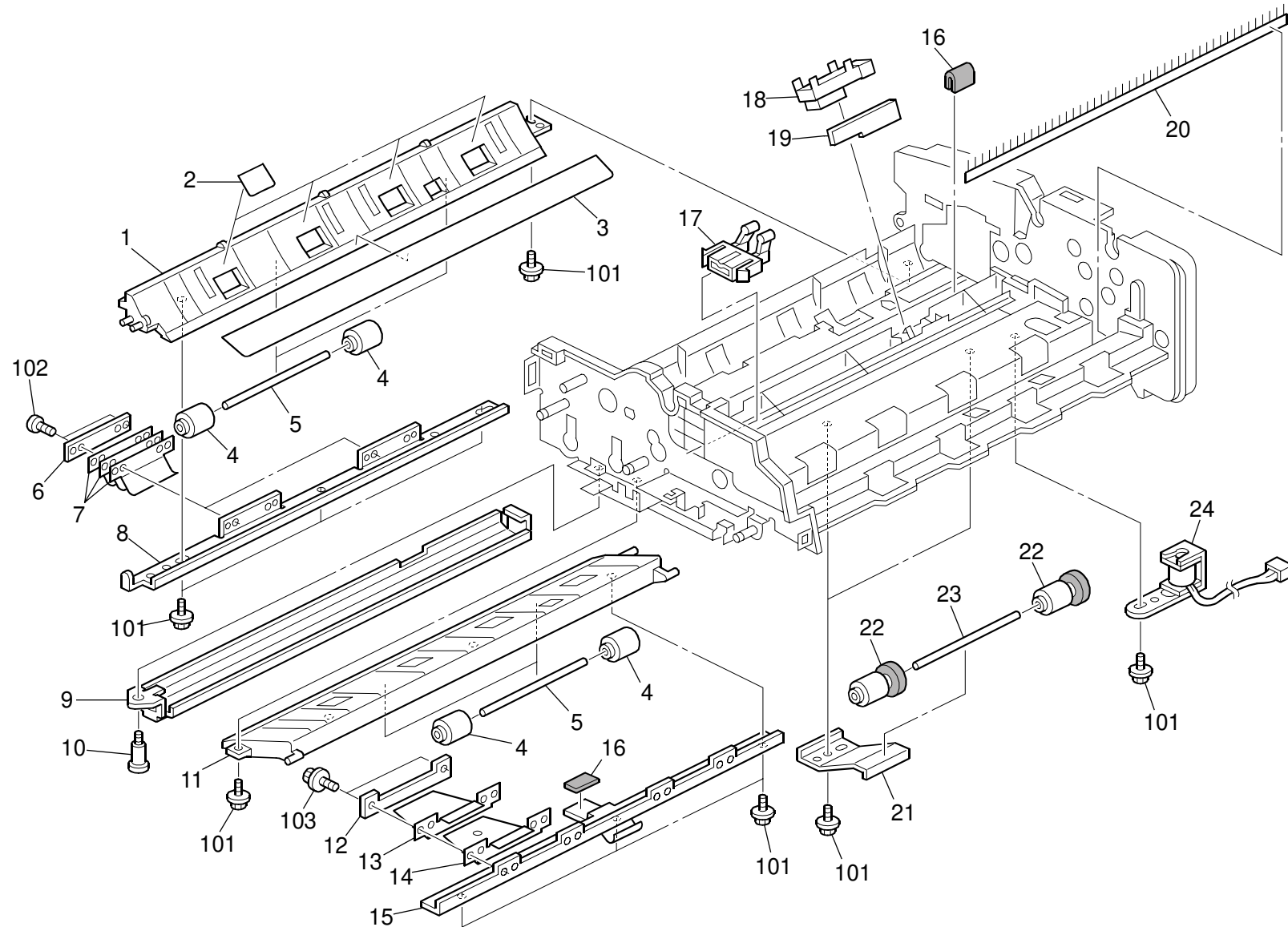


8.Original Feed 3 (B222/B224)

Index No.	Part No.	Description	Q'ty Per Assembly
1	B802 1773	Bracket:Shaft:Side Plate:Front	1
2	B802 1777	Knob:Misfeed Removal:T27	1
3	B312 1615	Tension Roller	1
4	B802 1772	Timing Belt:40S3M189	1
5	AA14 3520	Shoulder Screw - M3	1
6	B802 5790	Harness:Solenoid	1
7	B802 3811	DC Solenoid:24V	1
8	5447 2681	Snap Ring	3
9	AA14 3823	Tapping Screw	1
10	AA08 2101	Bushing - 6x10x6	2
11	A859 2241	Reverse Roller	1
12	A294 6700	Torque Limiter - 53mnm	1
13	B802 2252	Shaft:Roller:Reverse	1
14	B802 2225	Drum Stay:Guide:Reverse	1
15	B802 2253	Gear:Z20	1
16	B802 2222	Guide:Reverse:Open And Close	1
17	B802 6014	Decal:Display:Misfeed Removal:P2	1
18	A422 1063	Seal - 0.7x13x20	1
19	B802 2285	Roller:Reverse Exit:Driven	4
20	B802 2231	Shaft:Reverse:Drive:Press Fit	1
21	B802 2227	Guide:Reverse:Open And Close:Behind	1
22	A458 2251	Cushion - Bin Solenoid Lever	1
23	B802 2111	Stopper Pawl:Paper Feed	1
24	AA08 0265	Bushing:6x8x5	1
25	AA06 0843	Tension Spring	1
26	B802 2115	Lever:Stopper Pawl	1
27	AA06 3919	Spring:Pressure	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	0451 3006N	Tapping Screw - 3x6	
102	0353 0040N	Screw - M3X4	
103	0450 3008N	Tapping Screw - M3x8	
104	0632 0120G	Parallel Pin - 2x12	
105	0720 0040E	Retaining Ring - M4	
106	0805 0089	Retaining Ring - M4	

9.Original Transfer 1 (B222/B224)

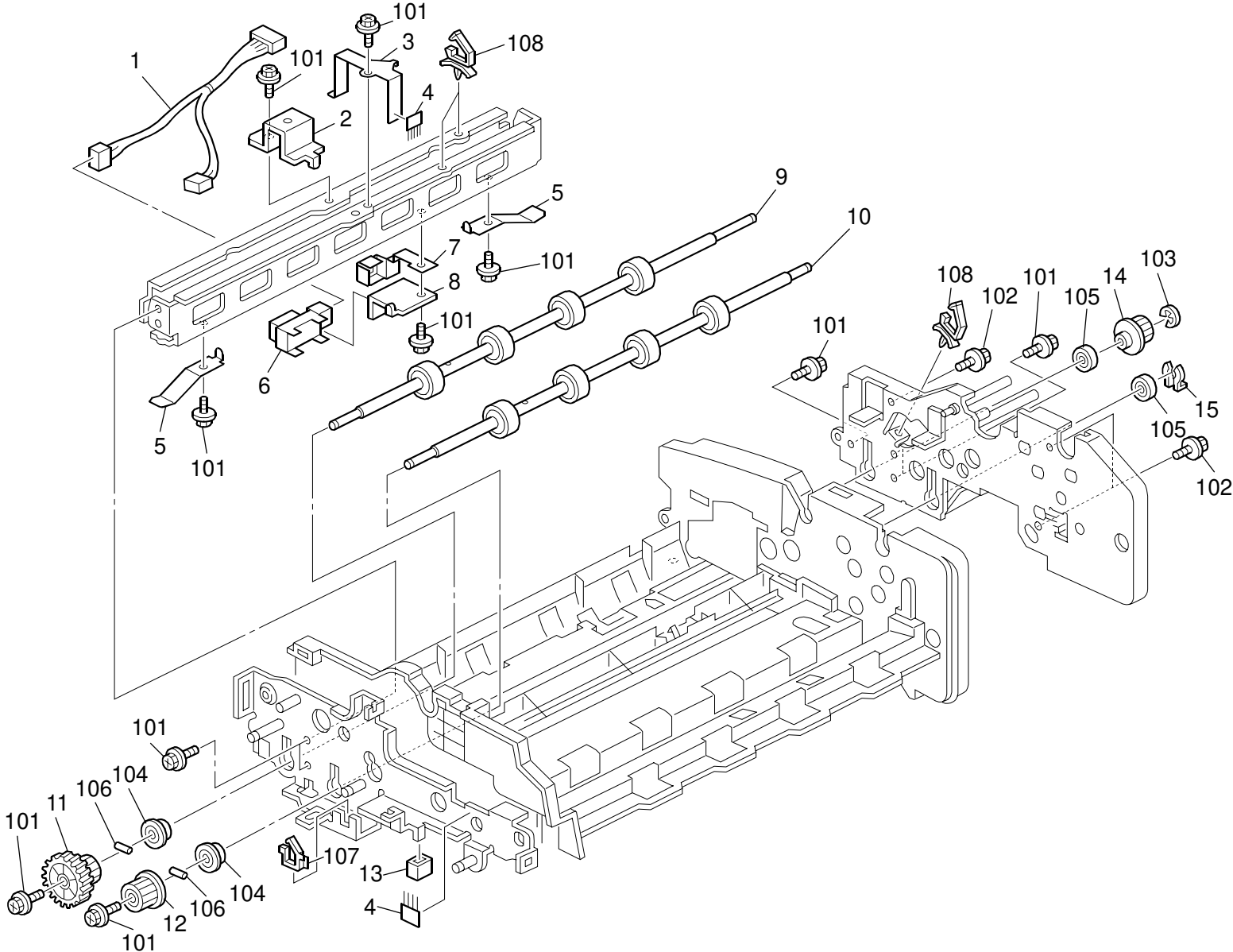


9.Original Transfer 1 (B222/B224)

Index No.	Part No.	Description	Q'ty Per Assembly
1	B802 3412	Guide:Scanning:Entrance:Lower	1
2	B802 3413	Sheet:Roller:Scanning:Entrance	4
3	B802 3414	Sheet:Scanning:Entrance	1
4	B802 3471	Roller:Scanning:Driven	8
5	B802 3592	Shaft:Driven:Exit	4
6	B802 3426	Plate:Entrance:Pressure:Auxiliary	2
7	B802 3427	Spring Plate:Scanning:Entrance:Driven	6
8	B802 3422	Stay:Scanning:Entrance:Lower	1
9	B802 3511	Guide Plate:Scanning	1
10	AA14 3569	Screw	1
11	B802 3553	Guide:Scanning:Exit:Lower	1
12	B802 3566	Plate:Exit:Pressure:Auxiliary	2
13	B802 3567	Spring Plate:Scanning:Exit:Driven:Upper	1
14	B802 3568	Spring Plate:Scanning:Exit:Driven:Lower	1
15	B802 3561	Stay:Scanning:Exit:Lower	1
16	A422 1063	Seal - 0.7x13x20	1
17	B802 2291	Stopper:Guide:Reverse	1
18	GW01 0007	Photo Refiection Sensor:Exit	1
19	B802 3851	Bracket:Sensor:Scanning:Exit	1
20	B802 3755	Discharge Brush:Reverse	1
21	B802 3711	Spring Plate	2
22	B789 3712	Exit Driven Roller	4
23	B789 3491	Scanning Driven Shaft	2
24	B714 5006	DC Solenoid:Transmitted Rubber Stamp	1
25	H511 5007	Stamp	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	0450 3008N	Tapping Screw - M3x8	
102	0453 3006N	Tapping Screw - M3x6	
103	0451 3006N	Tapping Screw - 3x6	

10.Original Transfer 2 (B222/B224)

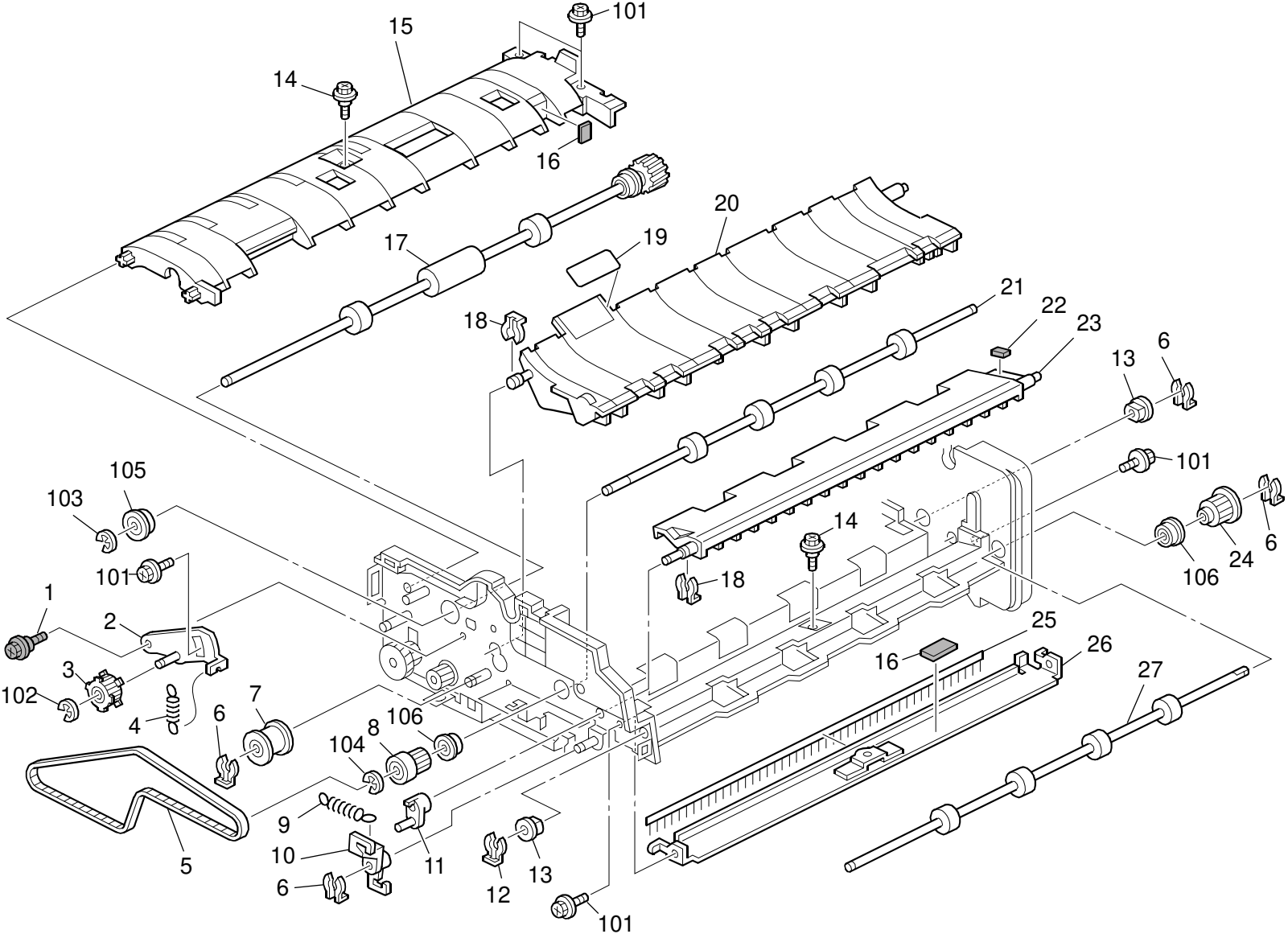


10.Original Transfer 2 (B222/B224)

Index No.	Part No.	Description	Q'ty Per Assembly
1	B802 5810	Harness:Registration Sensor	1
2	B802 3381	Bracket:Guide:Paper Feed:Lower	1
3	B802 3147	Ground Plate:Roller:Scanning	1
4	G052 4892	Discharge Brush:Exit:Small	2
5	B802 3145	Spring Plate	2
6	GW01 0007	Photo Refiection Sensor:Exit	1
7	B802 3833	Shielding Plate:Sensor	1
8	B802 3832	Bracket:Registration Sensor	1
9	B802 3231	Roller:Scanning:Entrance	1
10	B802 3251	Roller:Scanning:Exit	1
11	B802 3234	Timing Pulley:T33/T24	1
12	B802 3252	Timing Pulley:T33	1
13	A697 2102	Damper - Junction Gate Solenoid	1
14	B802 3233	Timing Pulley:T33	1
15	5447 2681	Snap Ring	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	0451 3006N	Tapping Screw - 3x6	
102	0450 3008N	Tapping Screw - M3x8	
103	0720 0040E	Retaining Ring - M4	
104	0741 3506	Ball Bearing - 6x12x4 Mm	
105	0740 3506	Ball Bearing - 6x12x4 Mm	
106	0632 0100G	Pin - 2x10mm	
107	1105 0514	Edge Saddle - Eds-0607I	
108	1105 0511	Harness Clamp - LWS-0306ZC	

11.Original Transfer 3 (B222/B224)

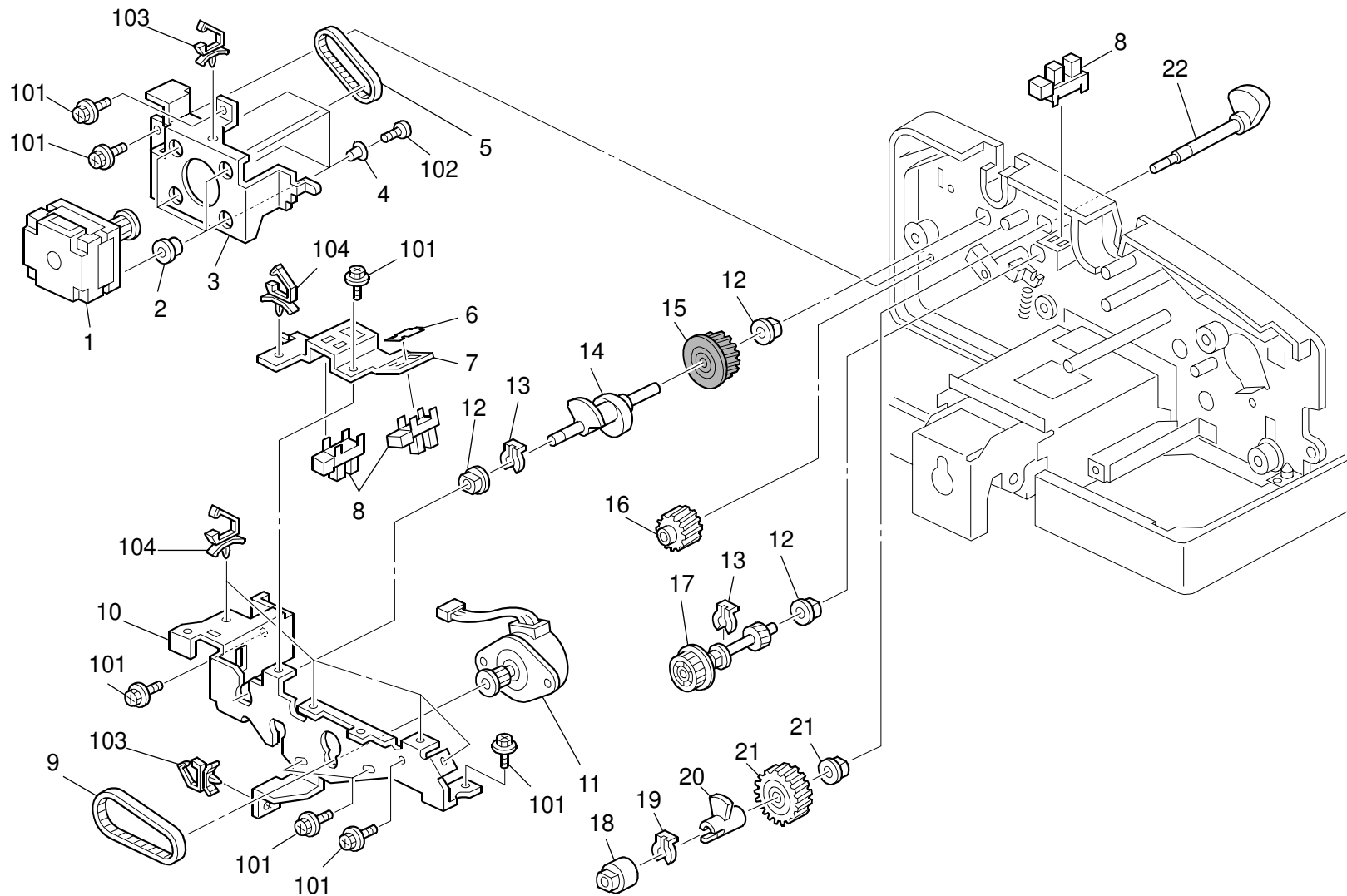


11.Original Transfer 3 (B222/B224)

Index No.	Part No.	Description	Q'ty Per Assembly
1	B238 4483	Screw	1
2	B802 1755	Bracket:Tension	1
3	B802 1762	Timing Pulley:T31	1
4	AA06 0842	Tension Spring	1
5	AA04 3321	Timing Belt:40S1.5M378	1
6	5447 2681	Snap Ring	2
7	B802 1767	Pulley:Idler:DIA16	1
8	B802 3312	Timing Pulley:T26	1
9	AA06 2260	Tension Spring	1
10	B802 3631	Link:Solenoid	1
11	B802 3615	Lever:Exchange Powl:Reverse	1
12	G020 1160	Snap Ring	1
13	AA08 2101	Bushing - 6x10x6	2
14	AA14 3790	Screw:Contact Point	2
15	B802 3351	Guide:Paper Feed:Lower	1
16	A422 1063	Seal - 0.7x13x20	1
17	B802 3211	Roller:Pull Out	1
18	5215 2621	Snap Ring - M6	1
19	B802 6015	Decal:Display:Misfeed Removal:P3	1
20	B802 3651	Guide:Exit:Upper	1
21	B802 3311	Roller:Exit	1
22	B802 3612	Cushion:Exchange Powl	1
23	B802 3611	Exchange Powl:Reverse	1
24	B802 3332	Timing Pulley:T23	1
25	B802 3756	Discharge Brush:Exit	1
26	B802 3751	Stay:Reverse	1
27	B802 3331	Roller:Reverse	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	0451 3006N	Tapping Screw - 3x6	
102	0720 0040E	Retaining Ring - M4	
103	0720 0060E	Retaining Ring - M6	
104	0720 0030E	Retaining Ring - M3	
105	0742 3808	Ball Bearing - 8x16x5	
106	0741 3506	Ball Bearing - 6x12x4 Mm	

12.ARDF Drive Section 1 (B222/B224)

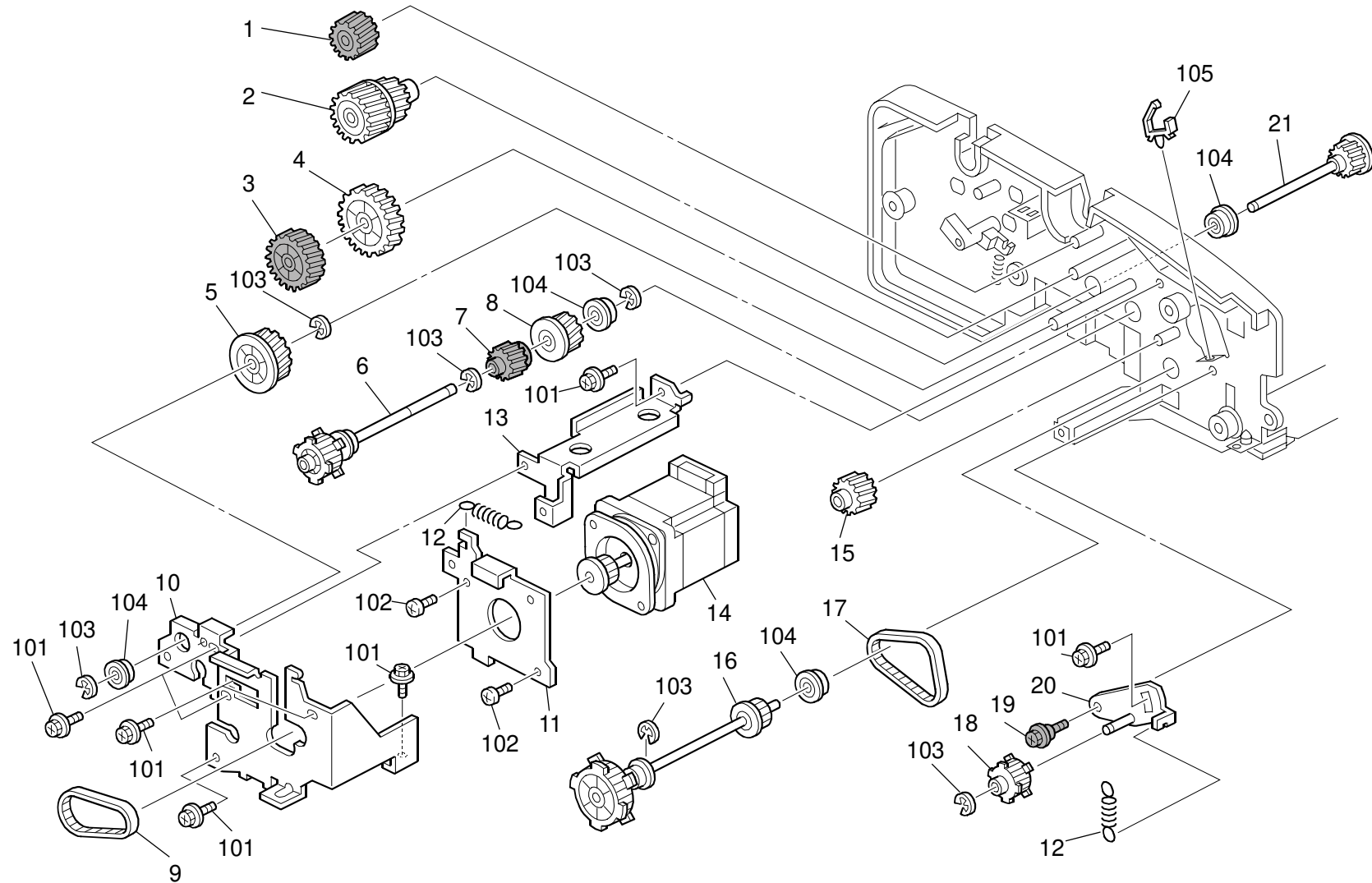


12.ARDF Drive Section 1 (B222/B224)

Index No.	Part No.	Description	Q'ty Per Assembly
1	B802 1812	Stepper Motor:DC4.08V 2.4W	1
2	AA10 1021	Rubber Bushing - 6 45hs	4
3	B802 1815	Bracket:Reverse:Drive	1
4	B044 1825	Collar	4
5	J503 3116	Timing Belt:40S2M128	1
6	G570 1225	Sensor Shielding Plate	1
7	B802 1985	Bracket:Sensor:Pickup	1
8	GW02 0020	Photointerruptor:Lg248nl1	3
9	AA04 3323	Timing Belt:40S2M120	1
10	B802 1925	Bracket:Pickup:Drive	1
11	B700 5805	Stepper Motor:Pm:S2m:T15:Ass'y	1
12	AA08 2101	Bushing - 6x10x6	3
13	5447 2681	Snap Ring	1
14	B802 1951	Cam:Stopper Pawl	1
15	B351 1791	Gear - 25Z	1
16	B351 1781	Gear - 18Z	1
17	B802 1931	Timing Pulley:T33-Z17	1
18	B802 1942	Stopper:Cam:Pickup	1
19	5206 2686	Snap Ring	1
20	B802 1943	Feeler:Cam:Pickup	1
21	A680 2261	Gear - 24Z	1
22	B802 1941	Cam:Pickup	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	0451 3006N	Tapping Screw - 3x6	
102	0353 0060N	Bind Screw - M3x6	
103	1105 0511	Harness Clamp - LWS-0306ZC	
104	1105 0516	Clamp	

13.ARDF Drive Section 2 (B222/B224)

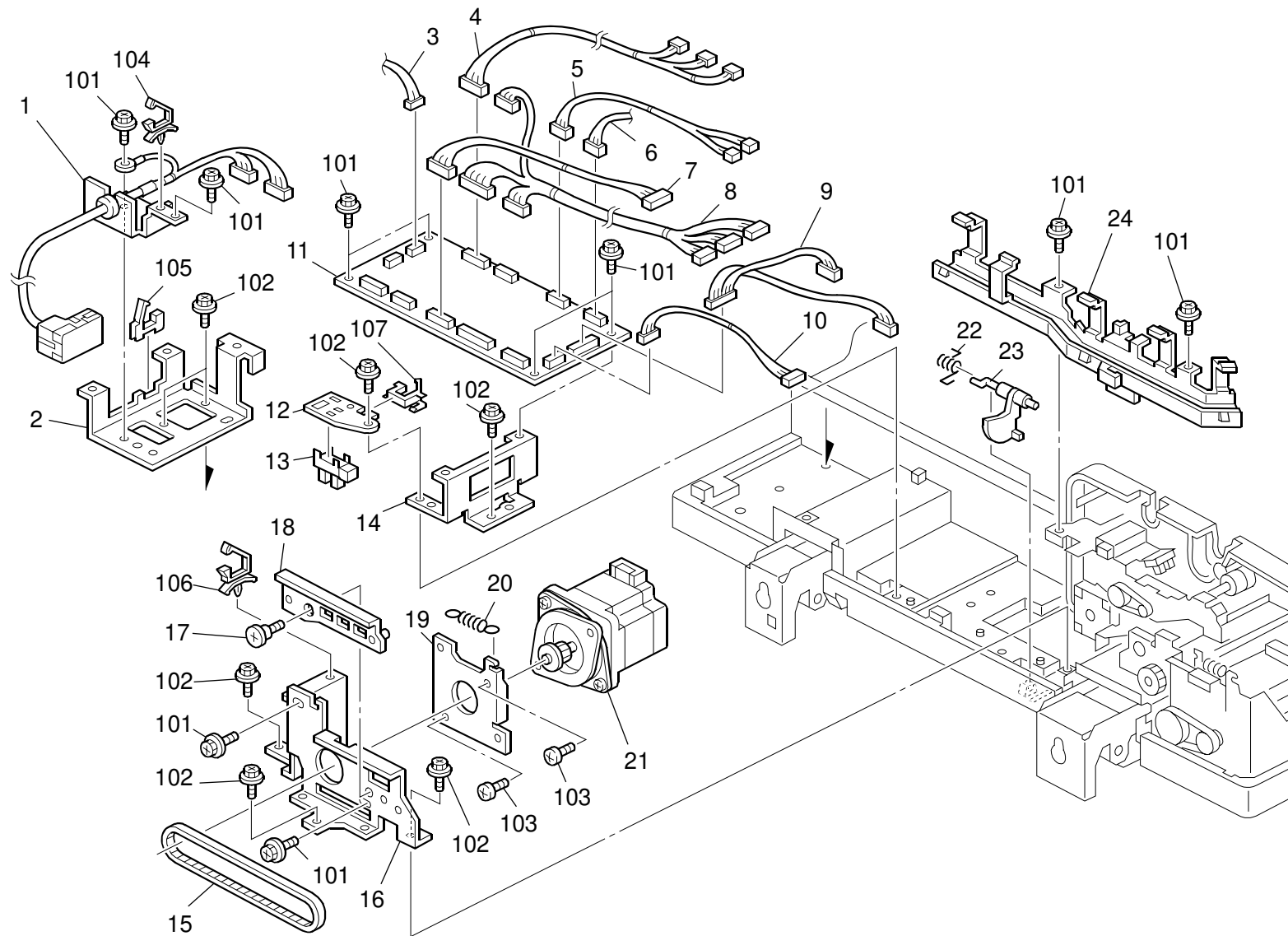


13.ARDF Drive Section 2 (B222/B224)

Index No.	Part No.	Description	Q'ty Per Assembly
1	B802 1671	Gear:Z17	1
2	B802 1661	Gear:Z21/Z23	1
3	B802 1642	Gear:Z37	1
4	B802 1643	Gear:Z26	1
5	B802 1651	Gear:Z25	1
6	B802 1631	Timing Pulley:T31	1
7	B802 1632	Gear:Z18	1
8	B802 1633	Gear:Z19	1
9	AA04 3320	Timing Belt:40S1.5M150	1
10	B802 1715	Bracket:Stepper Motor	1
11	B802 1731	Stay:Motor:Scanning	1
12	AA06 0842	Tension Spring	2
13	B802 1736	Bracket:Protect:Drive	1
14	B802 1721	Stepper Motor:DC1.76V 3.7W	1
15	B802 1681	Gear:Z18	1
16	B802 1741	Timing Pulley:T31/T61	1
17	AA04 3322	Timing Belt:40S1.5M157.5	1
18	B802 1762	Timing Pulley:T31	1
19	B238 4483	Screw	1
20	B802 1755	Bracket:Tension	1
21	B802 1641	Gear:Z18	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	0451 3006N	Tapping Screw - 3x6	
102	0453 4006N	Binding Self Tapping Screw:4x6	
103	0720 0040E	Retaining Ring - M4	
104	0741 3506	Ball Bearing - 6x12x4 Mm	
105	1105 0511	Harness Clamp - LWS-0306ZC	

14.ARDF Electrical Section (B222/B224)

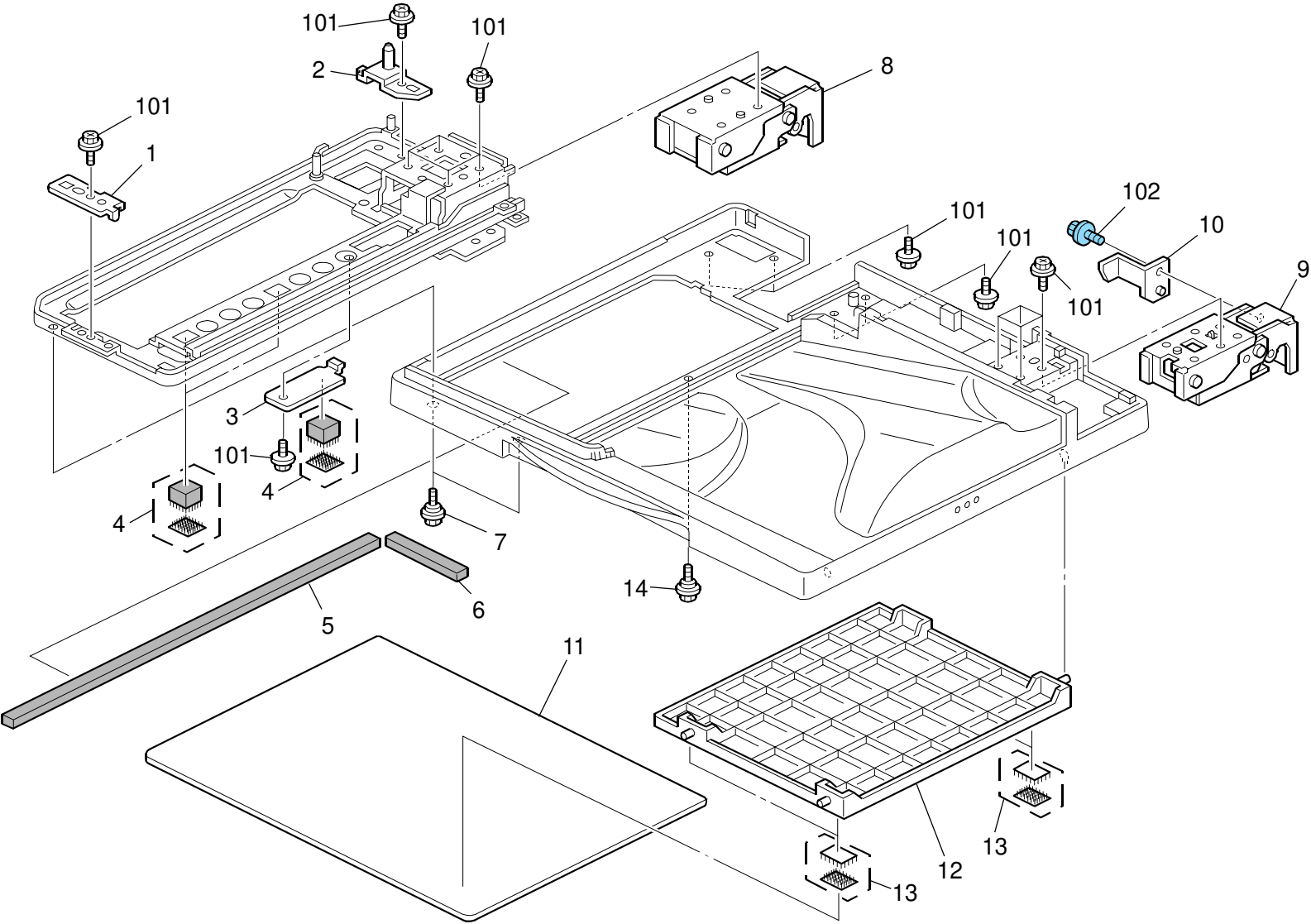


14.ARDF Electrical Section (B222/B224)

Index No.	Part No.	Description	Q'ty Per Assembly
1	B802 5710	Harness:Interface	1
2	B802 1231	Bracket:PCB:Right	1
3	B802 5780	Harness:Lift_up	1
4	B802 5730	Harness:Paper Feed	1
5	B802 5800	Harness:Solenoid	1
6	B802 5770	Harness:Motor:Reverse	1
7	B802 5740	Harness:Original Table	1
8	B802 5830	Harness:Guide	1
9	B802 5760	Harness:Motor:Paper Feed	1
10	B802 5820	Harness:Motor:Pick Up	1
11	B802 5500	PCB:Main	1
12	B802 1246	Bracket:On Off Detector	1
13	GW02 0020	Photointerruptor:Lg248nl1	1
14	B802 1236	Bracket:PCB:Left	1
15	B703 1165	Timing Belt:B40S2M390	1
16	B802 1612	Bracket:Motor	1
17	AA14 3802	Screw:6X1.7	1
18	B802 1624	Bracket:Coupling	1
19	B802 1616	Stay:Motor	1
20	AA06 0842	Tension Spring	1
21	B802 1621	Stepper Motor:DC24V 4.8W	1
22	B387 1951	Spring - Paper Size Sensor	1
23	B789 1942	Paper Size Sensor Feeler	1
24	B802 1412	Plate:Harness:Guide	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	0451 3006N	Tapping Screw - 3x6	
102	0450 3008N	Tapping Screw - M3x8	
103	0453 4006N	Binding Self Tapping Screw:4x6	
104	1105 0511	Harness Clamp - LWS-0306ZC	
105	1105 0522	Edge Saddle - Les0510	
106	1105 0487	Harness Clamp	
107	1105 0514	Edge Saddle - Eds-0607I	

15.ARDF Frame Section (B222/B224)

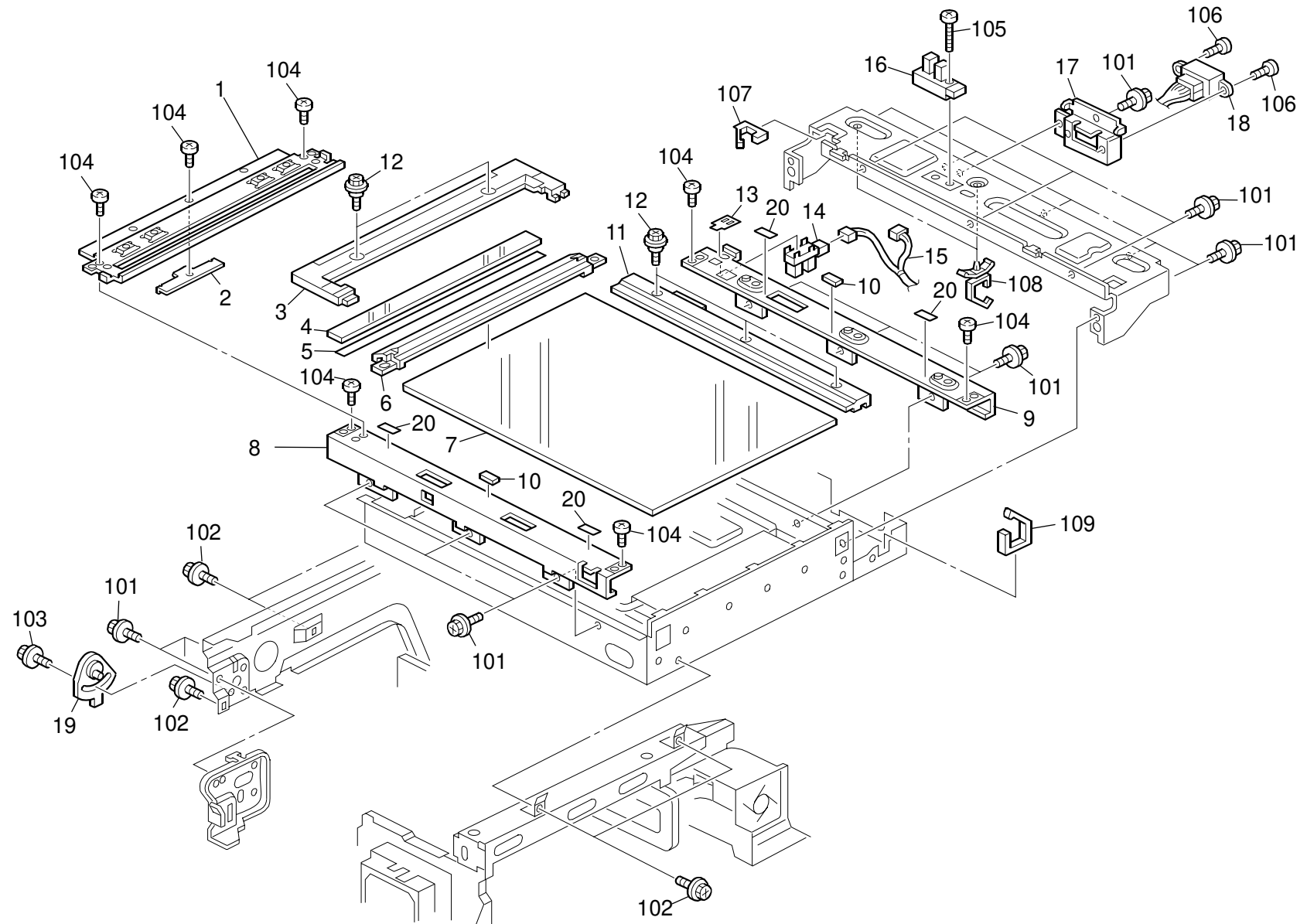


15.ARDF Frame Section (B222/B224)

Index No.	Part No.	Description	Q'ty Per Assembly
1	B802 1121	Positioning Plate:Front	1
2	B802 1131	Positioning Plate:Rear	1
3	B802 1141	Cover:Paper Feed Sensor	1
4	B802 4631	Cushion:Left	3
5	B802 4713	Cushion:Left	1
6	B802 4714	Cushion:Inner Back	1
7	AA14 3790	Screw:Contact Point	2
8	B802 1311	Hinge:Left	1
9	B802 1351	Hinge:Right	1
10	A859 1841	Filter - DF Open Sensor	1
11	B802 4611	Pressure Plate	1
12	B802 4621	Drum Stay:Pressure Plate	1
13	B477 2715	Pressure Plate Tape	2
14	AA14 3520	Shoulder Screw - M3	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	0451 3006N	Tapping Screw - 3x6	
102	0454 3006Q	Tapping Screw - M3x6	

16.Scanner Section 1 (B222/B224)

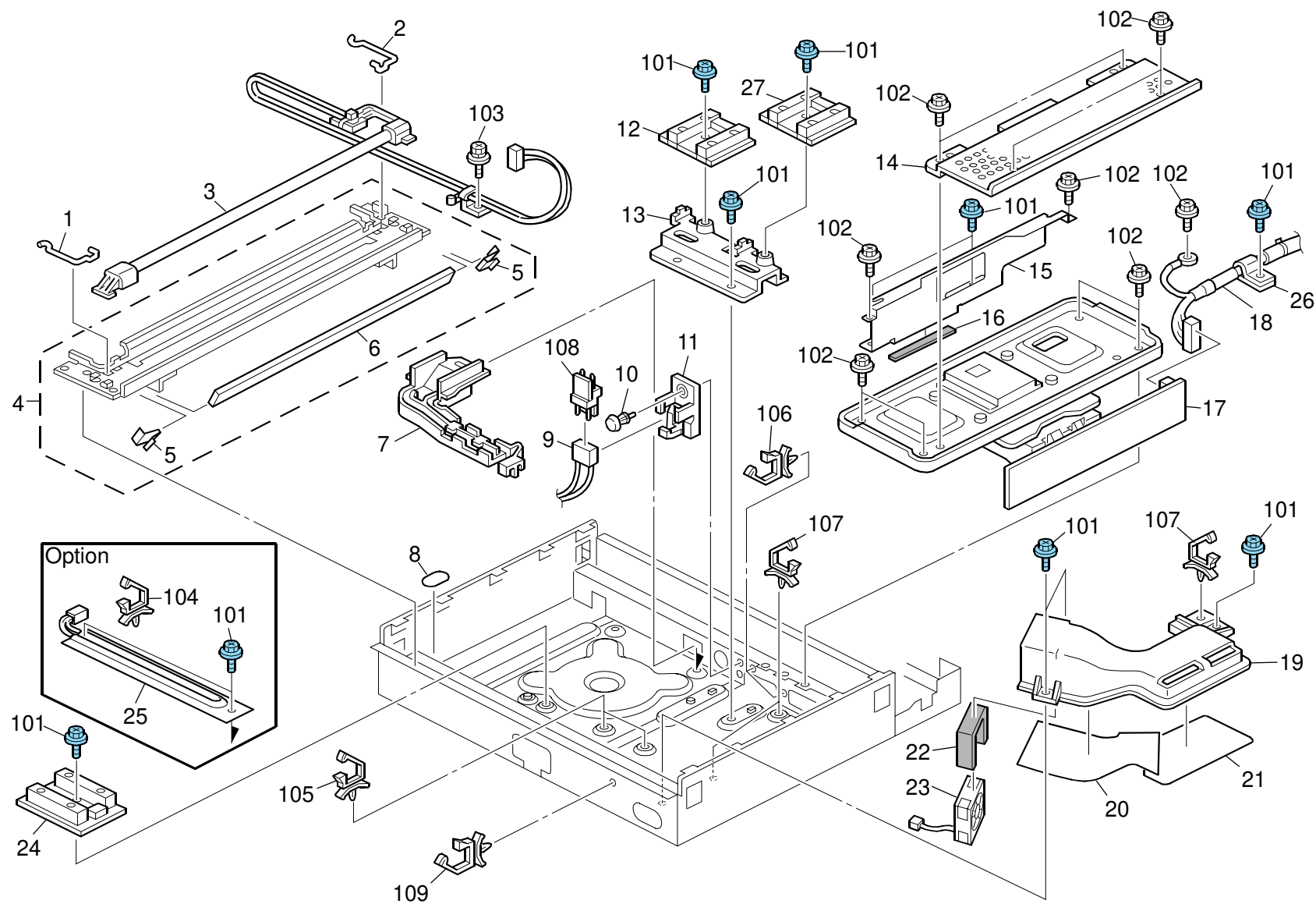


16.Scanner Section 1 (B222/B224)

Index No.	Part No.	Description	Q'ty Per Assembly
1	B180 1731	Bracket:Sheet Through	1
2	B223 1785	Spacer:Bracket:Scale:Left	1
3	B223 1773	Scale:Machine Or Copier	1
4	BC01 2002	Exposure Glass:Sheet Through:344x20	1
5	B223 1774	Seal:Sheet Through	1
6	B223 1787	Scale:Left:Na	1
6	B223 1777	Scale:Left	1
7	A250 1752	Exposure Glass	1
8	B051 1727	Frame:Scanner:Front	1
9	B223 1788	Frame:Scanner:Rear	1
10	5442 1924	Exposure Glass Cushion	2
11	B132 1692	Scale:Rear:Printing	1
12	AA14 3520	Shoulder Screw - M3	5
13	A193 1793	Scanner Home Sensor Stopper	1
14	AW02 0145	Photointerruptor:Flat	1
15	B223 5202	Harness:Sio:Sensor	1
16	AW02 0146	Photointerruptor:Flat:Pich2mm:M4	1
17	B223 1808	Document Feeder:Connector:Bracket	1
18	B223 5203	Harness:Sio:Ardf	1
19	B223 1116	Cam:Guide Plate:Scanner:Left	1

Index No.	Part No.	Description	Q'ty Per Assembly
100	B652 1807	Decal:Size:Original	1
101	0451 3006N	Tapping Screw - 3x6	
102	0451 3008N	Tapping Screw - M3x8	
103	0451 3010N	Tapping Screw:3x10	
104	0453 3006N	Tapping Screw - M3x6	
105	0314 0120N	Screw - M4X12	
106	0453 3008N	Binding Self Tapping Screw:3x8	
107	1105 0522	Edge Saddle - Les0510	
108	1105 0511	Harness Clamp - LWS-0306ZC	
109	1105 0544	Edge Saddle:Les-2017	

17.Scanner Section 2 (B222/B224)

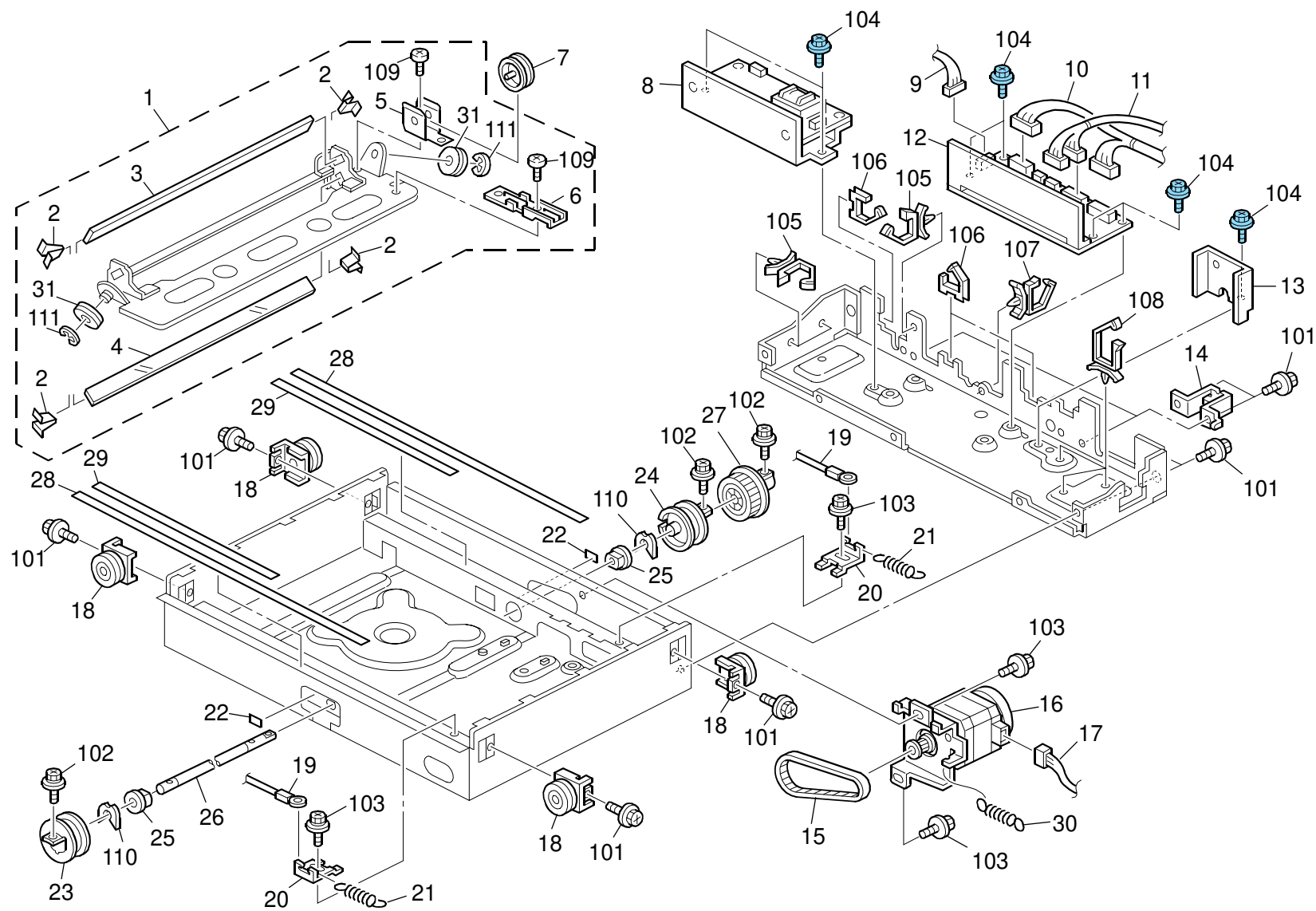


17.Scanner Section 2 (B222/B224)

Index No.	Part No.	Description	Q'ty Per Assembly
1	A193 1766	Wire Clamp	1
2	A193 1769	Clamp - REAR WIRE	1
3	B223 1840	Xenon Lamp	1
4	B180 1716	Carriage:No.1:Ass'y	1
5	A193 1767	1st Mirror Holder	2
6	AC03 0142	1st Mirror	1
7	B180 1803	Guide:High Voltage Supply Cord:Base	1
8	B223 1824	Seal:Scanner:Frame:Base	1
9	B223 5218	Harness:Xenon Lamp	1
10	H020 2318	Rivet - Nrp345	1
11	B223 1786	Holder:Connector	1
12	AW01 0114	Original Sensor:H=2-66	1
13	B051 1814	Bracket:Original Sensor	1
14	B180 1701	Inner Cover	1
15	B223 1790	Ground Plate:Stay:Lens	1
16	B223 1791	Gasket:Rfsg-030100:75	1
17	B223 1771	Lens Unit	1
18	B223 5225	Interface Cable:Scanner:LVDS:HF	1
19	B223 1825	Duct:Scanner	1
20	B223 1827	Seal:Duct:Front:Scanner	1
21	B223 1828	Seal:Duct:Rear:Scanner	1
22	B223 1826	Sheet:Fan:Duct:Scanner	1
23	AX64 0164	Fan Motor:15mm:24V	1
24	AW01 0115	Original Sensor:H=81.5	1
25	A250 1821	Heater - 9W (120V)	1
25	A250 1822	Heater - 9W (230V)	1
26	B154 5879	Plate:Cable	1
27	AW01 0116	Original Sensor:H=1-66	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	0454 3006Q	Tapping Screw - M3x6	
102	0451 3006N	Tapping Screw - 3x6	
103	0802 5299	Tapping Screw - M3x8	
104	1105 0460	Clamp	
105	1105 0511	Harness Clamp - LWS-0306ZC	
106	1105 0516	Clamp	
107	1105 0508	Harness Clamp - LWS-0711	
108	1103 3354	Connector:B2P5-VH-TW-R(LF)(SN)	
109	1105 0534	Clamp	

18.Scanner Section 3 (B222/B224)

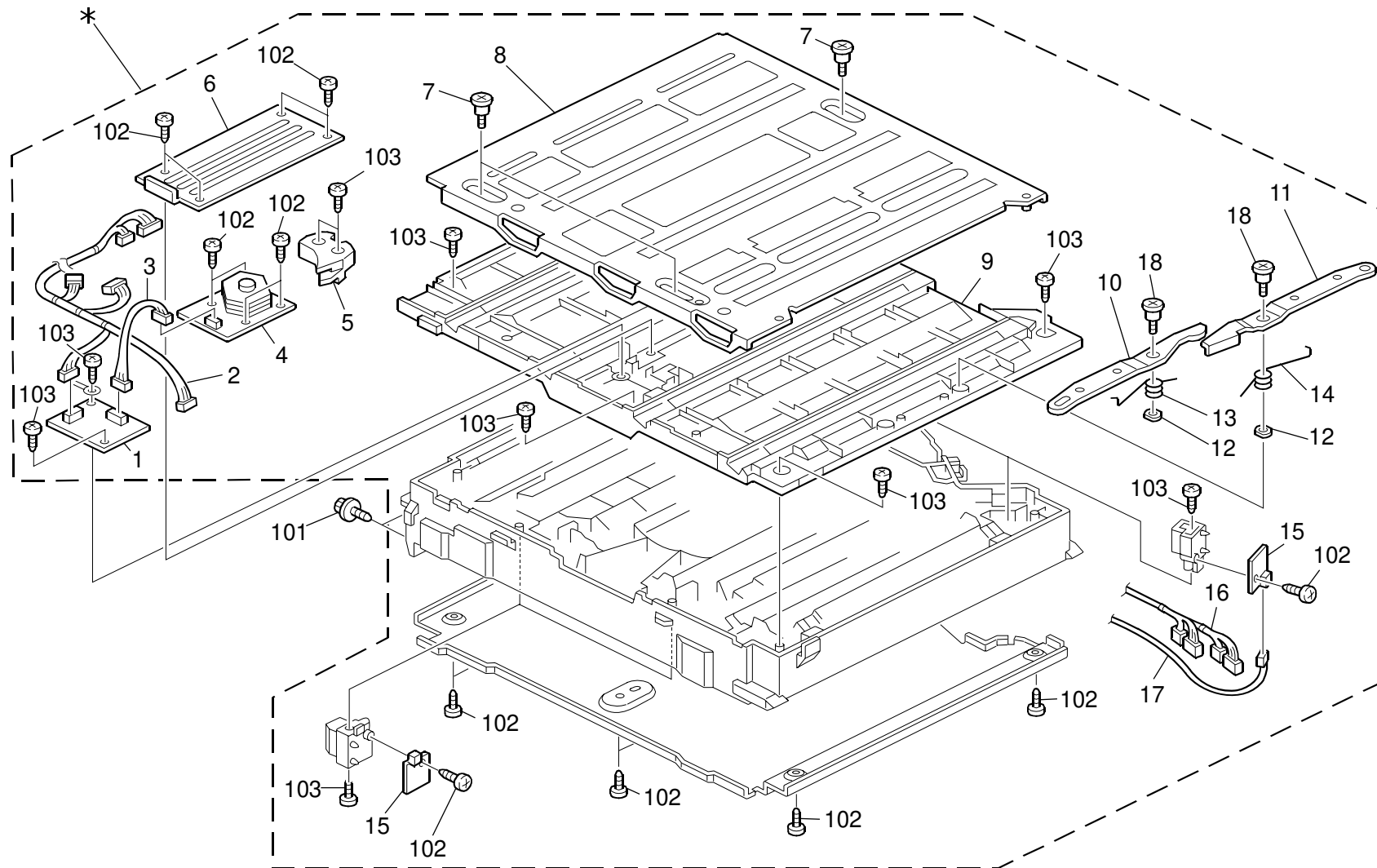


18.Scanner Section 3 (B222/B224)

Index No.	Part No.	Description	Q'ty Per Assembly
1	B223 1721	Carriage:No.2	1
2	G404 2810	Spring Plate - 2nd Mirror	4
3	B223 1754	Mirror:No.2:Concave	1
4	B223 1755	Mirror:No.2:Convax	1
5	G570 2833	Pulley Holder	1
6	G570 2832	Guide - High Voltage Supply Cord	1
7	G570 2834	Pulley - High Voltage Supply Cord	1
8	AZ50 0070	Stabilizer:T	1
9	B223 5204	Harness:Sio:Lamp Regulator	1
10	B223 5223	Harness:Sio:Machine Or Copier	1
11	B223 5226	Harness:Sio:Scanner Unit	1
12	B223 5106	PCB:SIO	1
13	B223 1779	Cover:Stepper Motor:Rear	1
14	B223 1807	Bracket:Exterior:Rear	2
15	B238 1792	Timing Belt - 157ST1.5-4.0	1
16	B180 1713	Stepper Motor:Ass'y	1
17	B223 5216	Harness:SIO:Scanner Motor SMD	1
18	B238 1806	Idler Pulley	4
19	B223 1782	Drive Were	2
20	B180 1704	Bracket:Tension	2
21	AA06 0980	Tension Spring:Tension:11300mn	2
22	G570 1160	Spacer Bushing	2
23	B180 1810	Pulley:Drive Were:Front:Sub-Ass'y	1
24	B180 1812	Pulley:Drive Were:Rear:Sub-Ass'y	1
25	AA08 2144	Bushing - 8x12x7	2
26	B180 1814	Shaft:Scanner:Drive	1
27	G570 1133	Timing Pulley 73	1
28	A193 1816	1st Slide Rail	2
29	B180 1734	Slide Rail:No.2	2
30	AA06 0979	Tension Spring:Tension:14720mn	1
31	B238 1807	Pulley	2

Index No.	Part No.	Description	Q'ty Per Assembly
101	0451 3006N	Tapping Screw - 3x6	
102	0804 6123	Hexagonal Bolt:W/washer:M3x8	
103	0802 5299	Tapping Screw - M3x8	
104	0454 3006Q	Tapping Screw - M3x6	
105	1105 0516	Clamp	
106	1105 0518	Edge Saddle - Les-1010	
107	1105 0488	Harness Clamp	
108	1105 0517	Harness Clamp - LWS-2111Z	
109	0353 0050N	Screw-m3x5	
110	0805 0088	Retaining Ring - M6	
111	0720 0040E	Retaining Ring - M4	

19.LD unit (B222/B224)

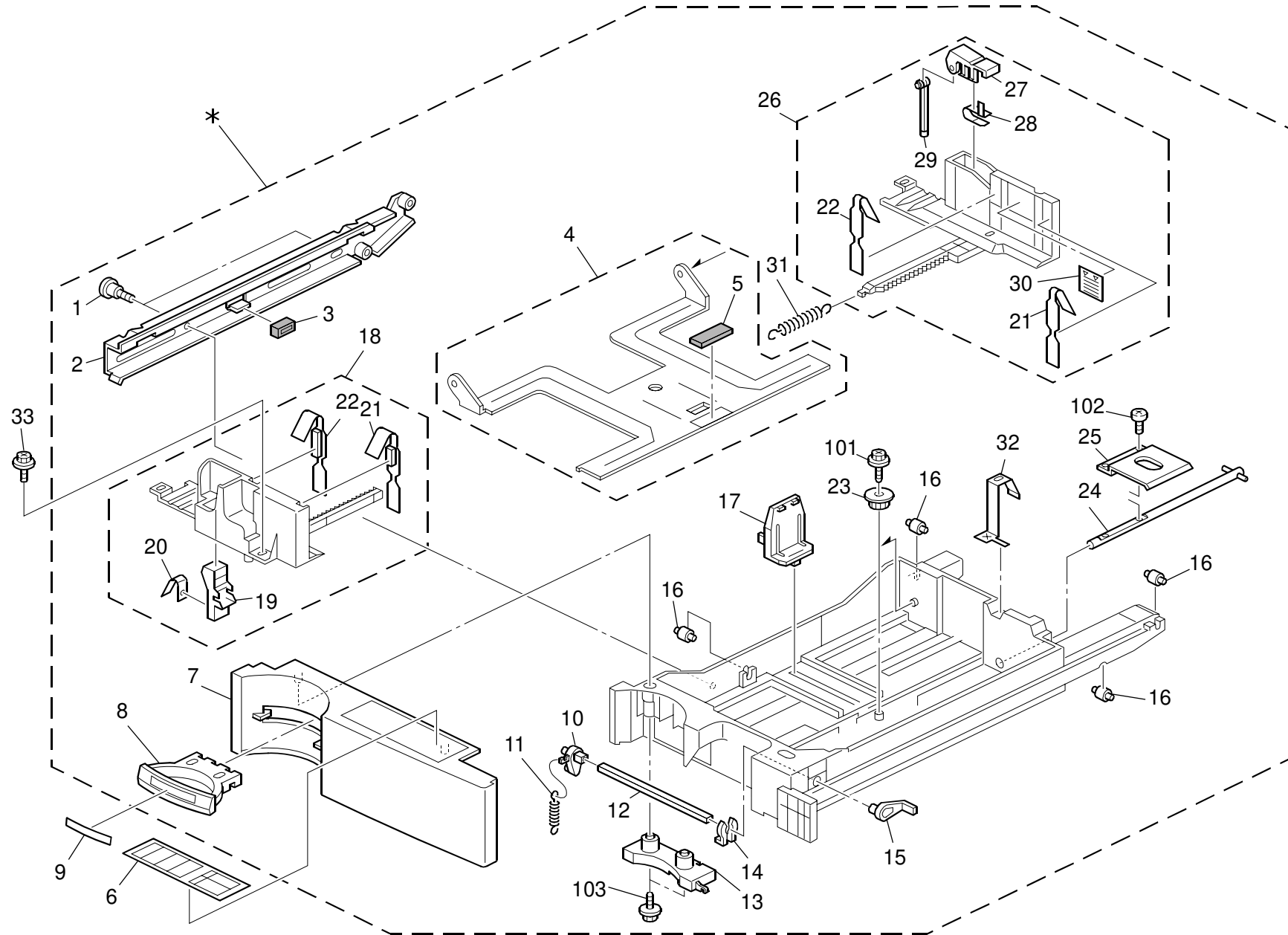


19.LD unit (B222/B224)

Index No.	Part No.	Description	Q'ty Per Assembly
*	B221 1851	Imaging Unit Ass'y C1c	1
*	B223 1851	Imaging Unit Ass'y C1d	1
1	B180 5445	Polygon Mirror Motor Board	1
2	B223 5241	Harness:Polygon Mirror Motor	1
3	B223 5243	Harness:Motor:Driver	1
4	AX06 0286	Polygon Mirror Motor	1
5	B223 1903	Louver	1
6	B223 1882	Cover - Polygon Motor	1
7	B223 1907	Screw	3
8	B223 1885	Shutter Ass'y	1
9	B223 1881	Cover - Upper	1
10	B223 1909	Link:Shutter:2	1
11	B223 1908	Link:Shutter:1	1
12	B223 1989	Plate Nut:Link	2
13	B223 1914	Torsion Spring:Link:2	1
14	B223 1913	Torsion Spring:Link:1	1
15	B238 5144	PCB Sync Detector	4
16	B221 5236	Harness:LDB:1LD	1
16	B223 5235	Harness:LDB:2LD	1
17	B223 5239	Harness:Sync Detector	1
18	B223 1988	Screw:Link:Shutter	2

Index No.	Part No.	Description	Q'ty Per Assembly
101	0451 3008N	Tapping Screw - M3x8	
102	0452 3008N	Tapping Screw - M3x8	
103	0452 3010N	Binding Self-tapping Screw:3x10	

20.1st Paper Tray (B222/B224)

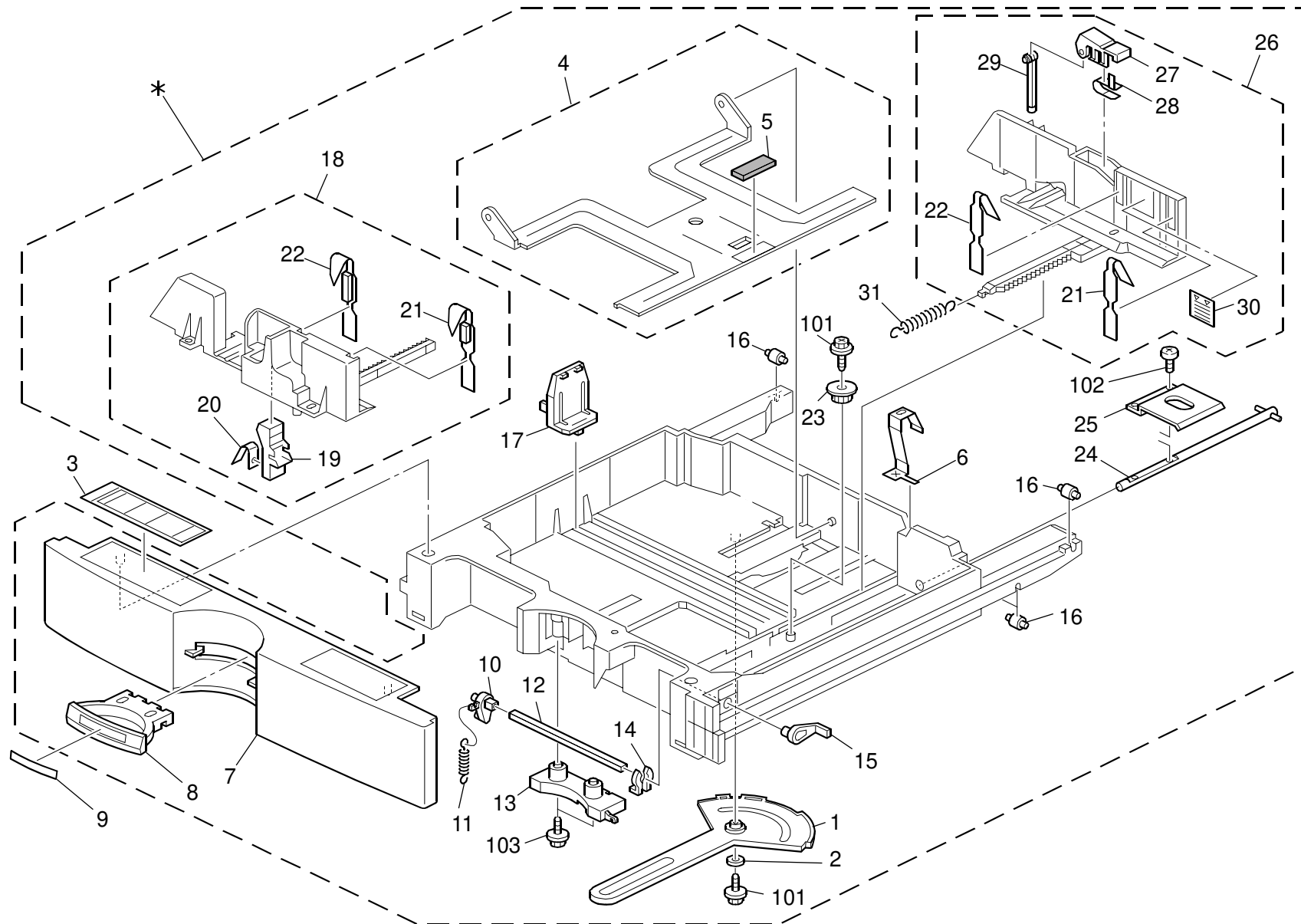


20.1st Paper Tray (B222/B224)

Index No.	Part No.	Description	Q'ty Per Assembly
*	B223 2850	Paper Tray Unit No.1	1
1	AA14 3843	Screw:DIA6	2
2	B223 2890	Slide Rail - Left	1
3	B223 2894	Slide Rail Stopper - Left	1
4	B223 2940	Tray Bottom Plate	1
5	AF01 3006	Bottom Plate Pad	1
6	B237 2521	Decal - Paper Set Direction No.1	1
7	B223 2857	Cover - Paper Tray No.1	1
8	B223 2860	Paper Tray Grip	1
9	B238 2526	Decal - Grip	1
10	B223 2862	Lever - Release Inner	1
11	AA06 1014	Tension Spring:Grip	1
12	B223 2863	Release Shaft	1
13	B223 2861	Grip Holder	1
14	A222 2724	External Circlip - Mm8	1
15	B223 2864	Lever - Release Outer	1
16	A232 2987	Roller - Paper Tray	4
17	B223 2912	End Fence	1
18	B223 2870	Side Fence - Front	1
19	B223 2923	Stopper Lever - Front	1
20	B004 2923	Spring Plate - Release Lever	1
21	B223 2935	Plate - Side Fence Right	2
22	B223 2934	Plate - Side Fence	2
23	B223 2936	Gear - 16Z	1
24	B223 2865	Rise No.1 Shaft	1
25	B223 2918	Rise Lever	1
26	B223 2880	Side Fence - Rear	1
27	A267 2860	Rear Lever Stopper	1
28	A267 2857	Spring Plate - Side Fence	1
29	A267 2859	Side Fence Stopper	1
30	B223 2873	Decal - Side Fence Rear	1
31	AA06 1003	Tension Spring:Side Fence:Rear	1
32	B223 2869	Ground Plate	1
33	AA14 3577	Screw:Tp:M4	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	0450 4008N	Tapping Screw - M4x8	
102	0453 3008N	Binding Self Tapping Screw:3x8	
103	0450 3012N	Tapping Screw:3x12	

21.2nd Paper Tray (B222/B224)

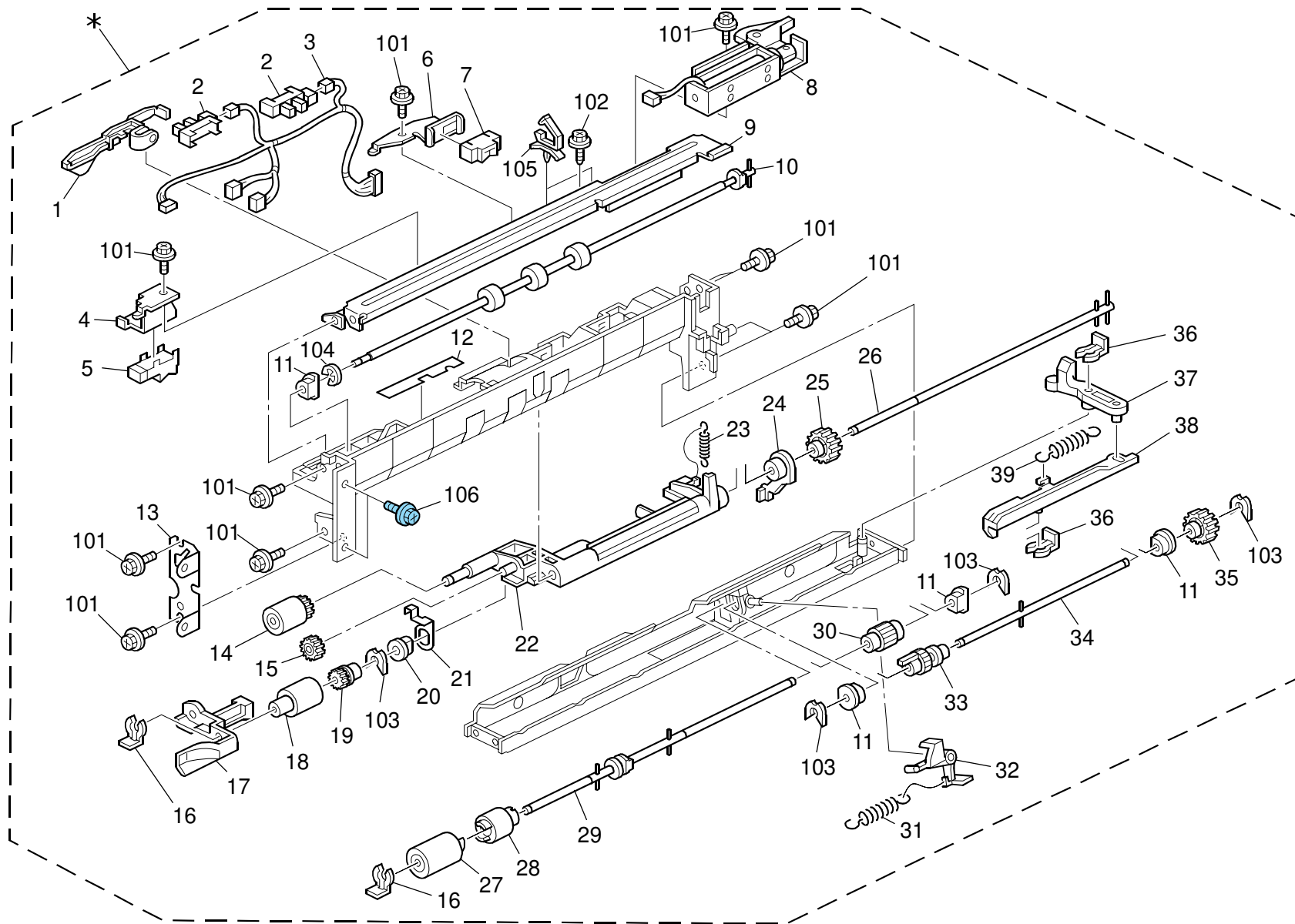


21.2nd Paper Tray (B222/B224)

Index No.	Part No.	Description	Q'ty Per Assembly
*	B223 2900	Paper Tray Unit No.2	1
1	B223 2910	Link - Paper Size Sensor	1
2	B223 2911	Spacer	1
3	B238 2523	Decal - Paper Set Direction No.2	1
4	B223 2940	Tray Bottom Plate	1
5	AF01 3006	Bottom Plate Pad	1
6	B223 2919	Ground Plate - Paper Tray No.2	1
7	B223 2946	Cover - Paper Tray No.2	1
8	B223 2860	Paper Tray Grip	1
9	B238 2527	Decal - Grip	1
10	B223 2862	Lever - Release Inner	1
11	AA06 1014	Tension Spring:Grip	1
12	B223 2863	Release Shaft	1
13	B223 2861	Grip Holder	1
14	A222 2724	External Circlip - Mm8	1
15	B223 2864	Lever - Release Outer	1
16	A232 2987	Roller - Paper Tray	4
17	B223 2912	End Fence	1
18	B223 2920	Front Side Fence	1
19	B223 2923	Stopper Lever - Front	1
20	B004 2923	Spring Plate - Release Lever	1
21	B223 2935	Plate - Side Fence Right	2
22	B223 2934	Plate - Side Fence	2
23	B223 2936	Gear - 16Z	1
24	B223 2865	Rise No.1 Shaft	1
25	B223 2918	Rise Lever	1
26	B223 2930	Rear Side Fence	1
27	A267 2860	Rear Lever Stopper	1
28	A267 2857	Spring Plate - Side Fence	1
29	A267 2859	Side Fence Stopper	1
30	B223 2873	Decal - Side Fence Rear	1
31	AA06 1003	Tension Spring:Side Fence:Rear	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	0450 4008N	Tapping Screw - M4x8	
102	0453 3008N	Binding Self Tapping Screw:3x8	
103	0450 3012N	Tapping Screw:3x12	

22.Paper Feed Section (B222/B224)

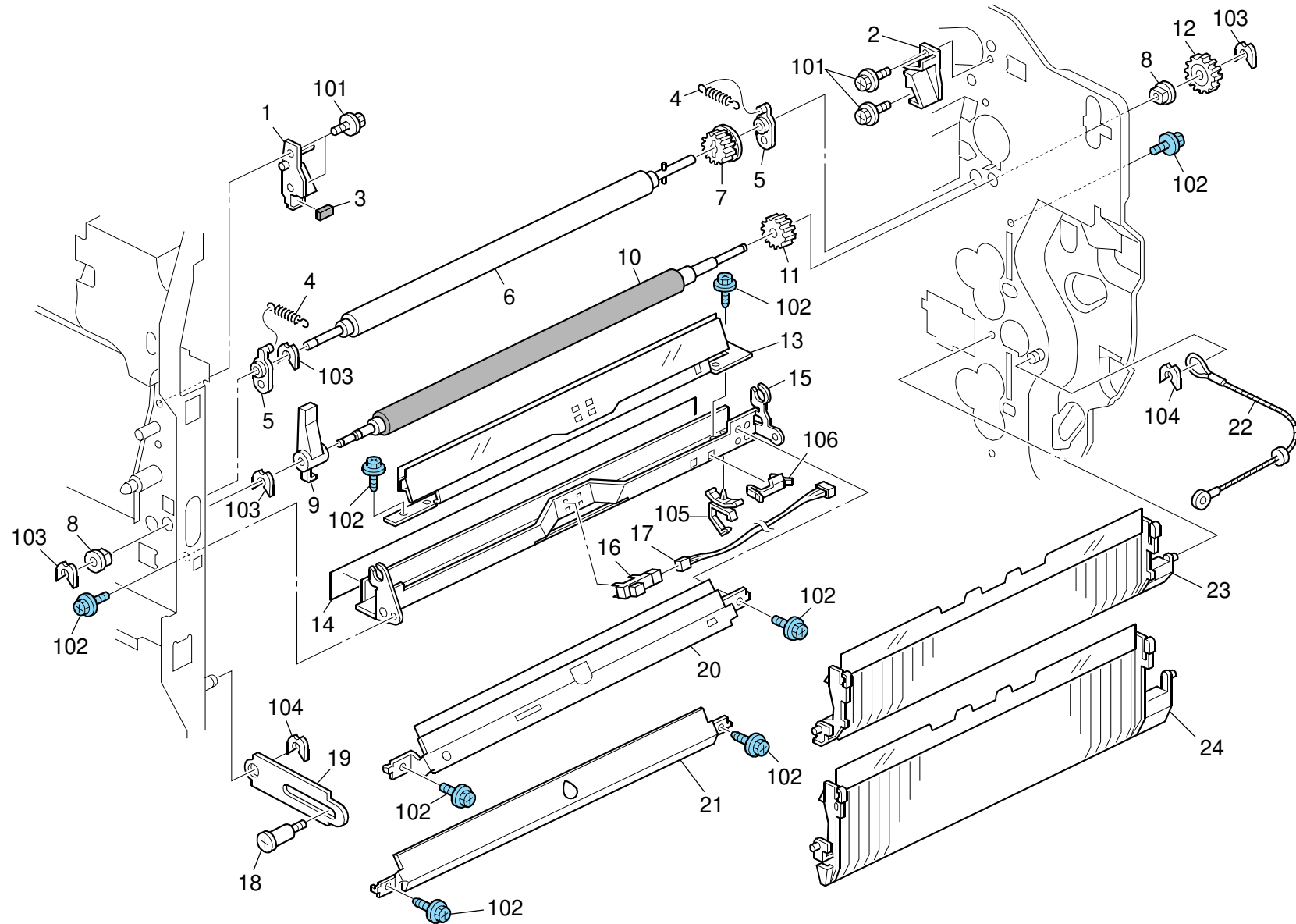


22.Paper Feed Section (B222/B224)

Index No.	Part No.	Description	Q'ty Per Assembly
*	B223 2750	Paper Feed Unit	2
1	B223 2767	Paper End Feeler	1
2	AW02 0145	Photointerruptor:Flat	2
3	B223 2773	Harness - Paper Feed Unit	1
4	B223 2778	Sensor Bracket	1
5	AW01 0128	Paper Feed Sensor	1
6	B082 2781	Bracket:Sensor	1
7	AW01 0122	Paper Feed Sensor	1
8	B223 2780	DC Solenoid 24V	1
9	B223 2776	Stay	1
10	B238 2569	Transport Roller	1
11	AA08 2143	Bushing - 6x10x6	4
12	B223 2772	Harness Sheet	1
13	B223 2786	Ground Plate - Front	1
14	AF03 0090	Paper Feed Roller:Pickup	1
15	AB01 1252	Gear - 20Z	1
16	AA10 0014	Retaining Ring C - Separate	2
17	B223 2829	Feed Guide	1
18	AF03 1090	Paper Feed Roller:Feed	1
19	AB01 1218	Gear - Roller Clutch	1
20	AA08 2101	Bushing - 6x10x6	1
21	B223 2765	Ground Plate - Feed	1
22	B223 2761	Pickup Arm	1
23	AA06 0691	Tension Spring	1
24	G065 2767	Lever - Feed	1
25	B223 2764	Gear-24z	1
26	B223 2762	Feed Shaft	1
27	AF03 2090	Paper Feed Roller:Separate	1
28	B004 2783	Torque Limiter	1
29	B223 2810	Separate Driven Shaft	1
30	AB01 0157	Gear:Separate:Driven	1
31	AA06 0693	Tension Spring	1
32	G065 2774	Pressure Lever	1
33	AB01 0156	Gear:Separate:Drive	1
34	B223 2815	Separate Drive Shaft	1

Index No.	Part No.	Description	Q'ty Per Assembly
35	B223 2819	Gear - 22Z	1
36	5206 2686	Snap Ring	1
37	G065 2776	Release Lever	1
38	G065 2775	Link Lever	1
39	AA06 2259	Spring - Release	1
101	0451 3006N	Tapping Screw - 3x6	
102	0450 3008N	Tapping Screw - M3x8	
103	0805 0089	Retaining Ring - M4	
104	0720 0040E	Retaining Ring - M4	
105	1105 0511	Harness Clamp - LWS-0306ZC	
106	0454 3008Q	Tapping Screw:3x8	

23. Paper Registration (B222/B224)

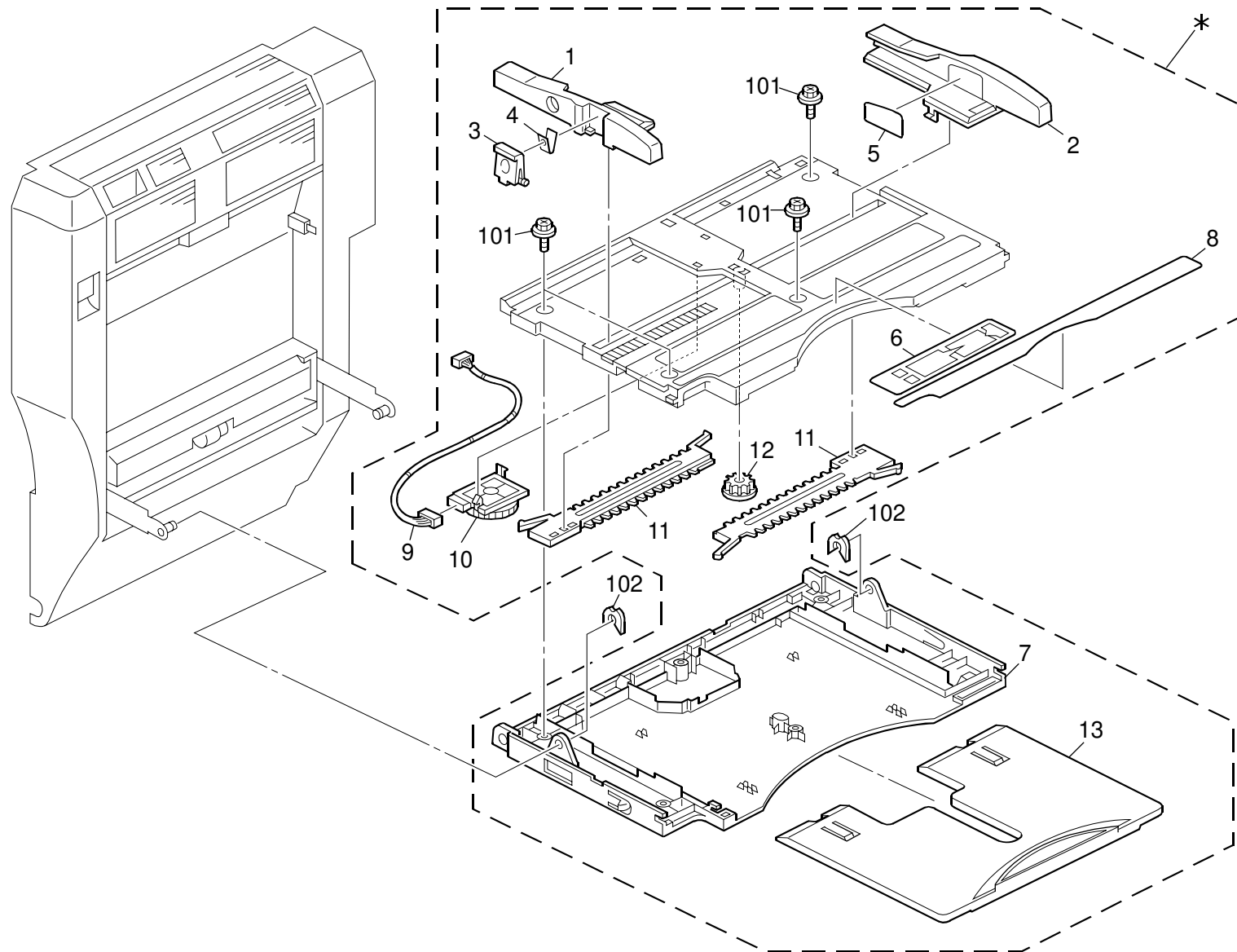


23.Paper Registration (B222/B224)

Index No.	Part No.	Description	Q'ty Per Assembly
1	B223 6311	Positioning Guide - Front	1
2	B223 6312	Positioning Guide - Rear	1
3	B223 6315	Cushion	1
4	B238 2676	Tension Spring	2
5	B238 2675	Registration Roller Bushing	2
6	B238 2661	Registration Roller - Driven	1
7	B238 2657	Gear - 18Z	1
8	AA08 2101	Bushing - 6x10x6	2
9	B223 2558	Registration Roller Knob	1
10	B238 2652	Registration Roller - Drive	1
11	B238 2655	Gear - 16Z	1
12	B238 2656	Gear - 30Z	1
13	B238 2670	Cleaner Bracket	1
14	B238 2622	Cover - Remove Paper Dust	1
15	B238 2621	Stay	1
16	AW01 0107	Paper Feed Sensor	1
17	B223 2599	Harness:Registration Sensor	1
18	AA14 3404	Stepped Screw - M4	1
19	B223 4523	Link:Stopper	1
20	B223 2570	Guide Plate:Registration:Right	1
21	B238 2612	Registration Guide Plate - Left	1
22	B223 4524	Wire:Stopper:Dia1.5	1
23	B223 2835	Guide Plate	1
24	B223 2840	Guide Plate No.2	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	0451 3006N	Tapping Screw - 3x6	
102	0454 3006Q	Tapping Screw - M3x6	
103	0805 0089	Retaining Ring - M4	
104	0805 0088	Retaining Ring - M6	
105	1105 0511	Harness Clamp - LWS-0306ZC	
106	1105 0643	Clamp - RFC-14V0	

24.By-pass Feed Section 1 (B222/B224)

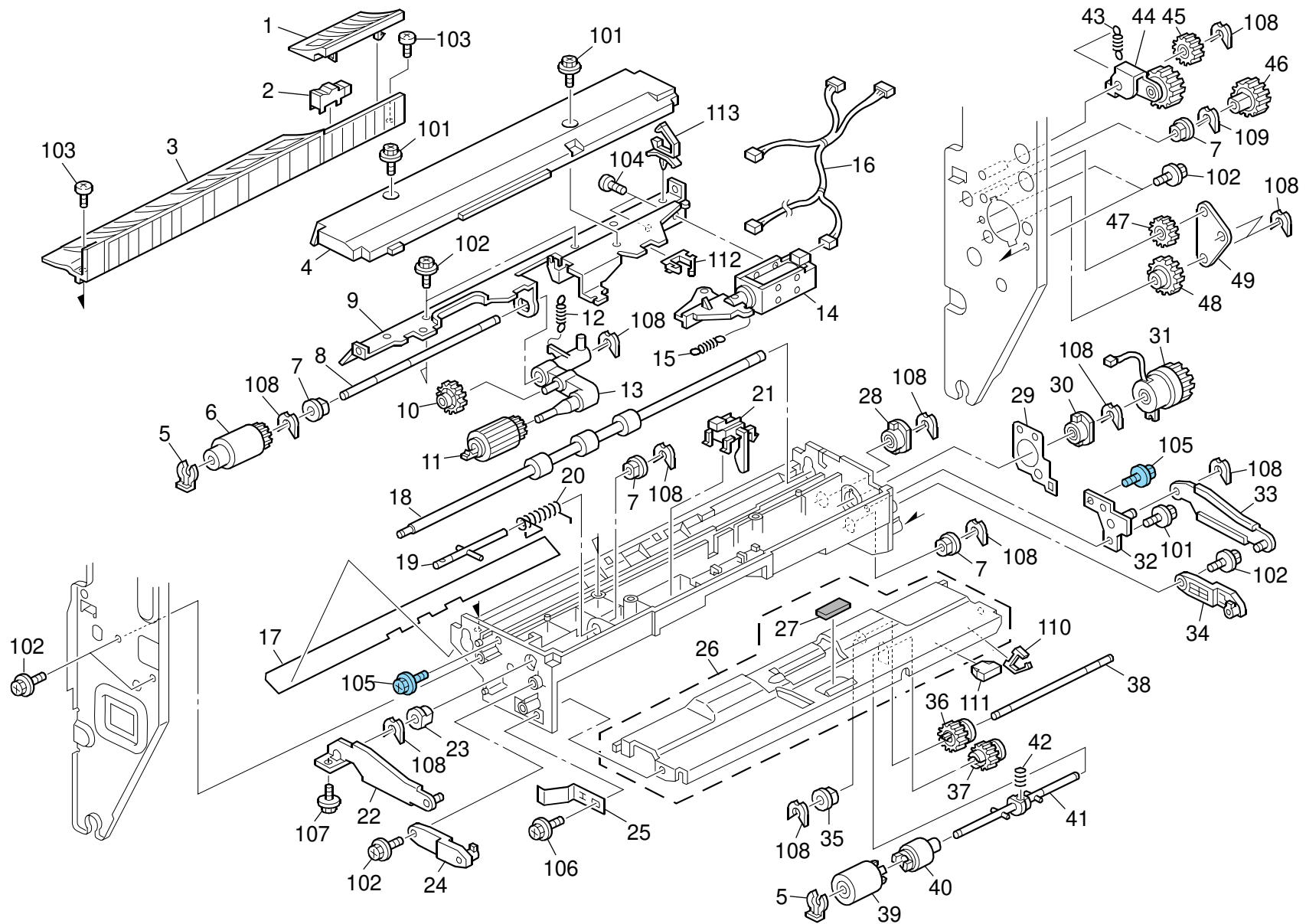


24.By-pass Feed Section 1 (B222/B224)

Index No.	Part No.	Description	Q'ty Per Assembly
*	B223 2662	Manual Feed Table	1
1	B223 2688	Side Fence:Front	1
2	B223 2671	Side Fence:Rear	1
3	B223 2667	Grip:Side Fence	1
4	B223 2668	Spring Plate:Stopper	1
5	B223 2645	Decal:Side Fence	1
6	B223 2655	Decal:Paper Set Direction	1
7	B223 2661	Cover:Manual Feed	1
8	B223 2644	Decal:Scale	1
9	B223 2669	Harness:Paper Size Sensor	1
10	AW50 0031	Paper Size Sensor	1
11	B223 2631	Rack:Manual Feed	2
12	B223 2666	Gear:16Z	1
13	B223 2663	Extension Tray	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	0450 3008N	Tapping Screw - M3x8	
102	0805 0089	Retaining Ring - M4	

25.By-pass Feed Section 2 (B222/B224)

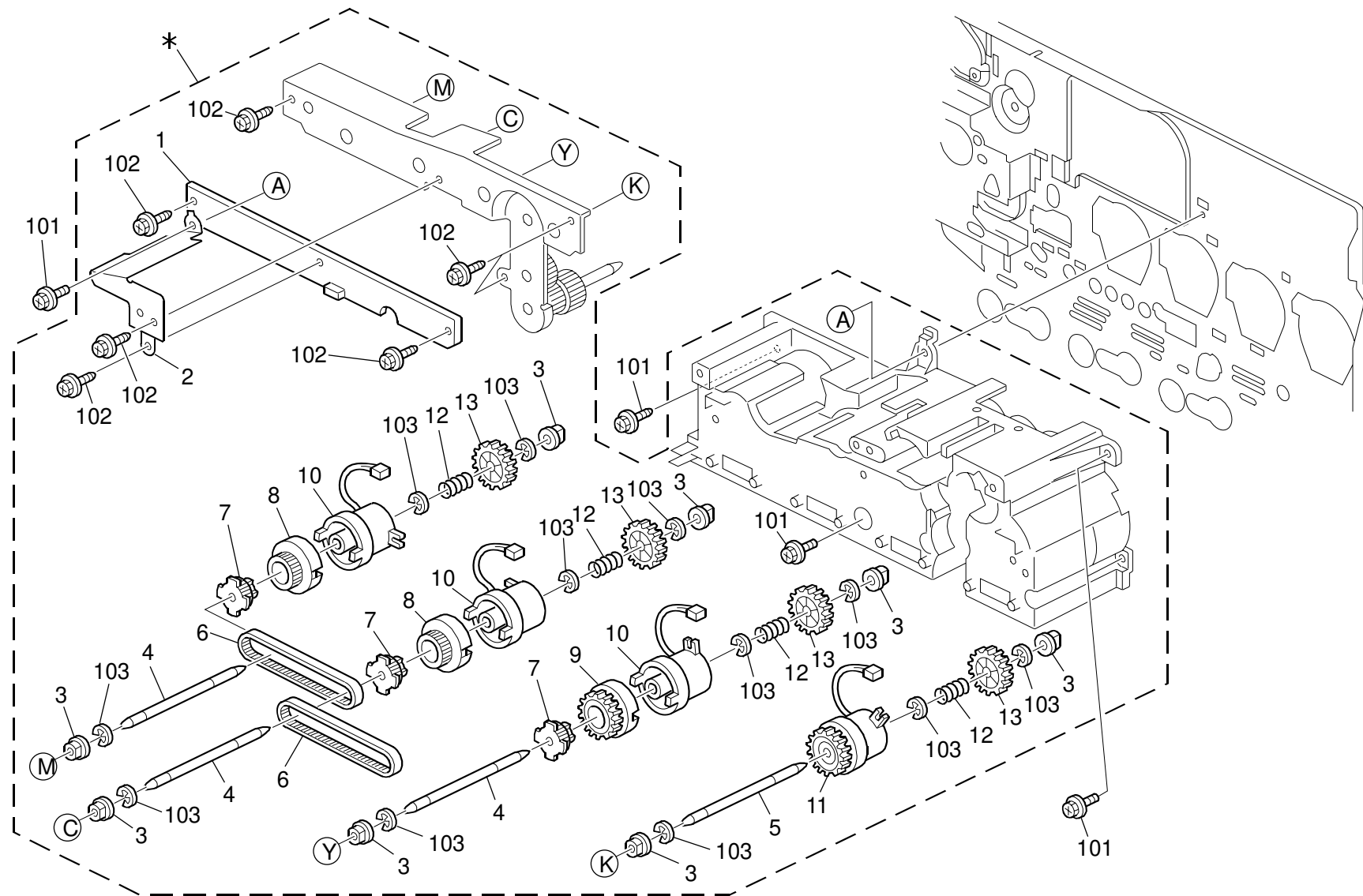


25.By-pass Feed Section 2 (B222/B224)

Index No.	Part No.	Description	Q'ty Per Assembly
1	B223 2623	Cover:Guide Plate:Exit	1
2	AW01 0128	Paper Feed Sensor	1
3	B223 2622	Guide Plate:Exit	1
4	B223 2621	Cover:Manual Feed Unit	1
5	AA10 0014	Retaining Ring C - Separate	2
6	AF03 1046	Feed Roller - Manual Feed	1
7	AA08 2101	Bushing - 6x10x6	4
8	AA14 0777	Shaft:Feed	1
9	B223 2629	Stay:Feed	1
10	AB01 1387	Gear - 23Z	1
11	AF03 0049	Pick-up Roller	1
12	AA06 3568	Pressure Spring	1
13	G060 2932	Pick-up Arm - Manual Feed	1
14	B223 2632	DC Solenoid:Pickup	1
15	B223 2633	Spring:Release:Pickup	1
16	B223 2659	Harness:Manual Feed	1
17	B223 2624	Sheet:Guide:Exit	1
18	B223 2619	Transport Roller:Exit:Duplex	1
19	B223 2634	Support Stay:Arm	1
20	B223 2636	Torsion Spring:27n	1
21	AW50 0035	Paper End Sensor	1
22	B223 2651	Arm:Manual Feed:Front	1
23	AA08 2102	Bushing - 6x10x6	1
24	B223 2657	Arm:Manual Feed:Short:Front	1
25	B223 2607	Ground Plate:Reverse	1
26	B223 2609	Guide Plate:Separator	1
27	AF01 3016	Bottom Plate Pad	1
28	G080 2682	Bushing:Feed	1
29	B223 2606	Ground Plate:Rear	1
30	AA08 3014	One-way Clutch	1
31	AX20 2007	Magnetic Clutch	1
32	B223 2637	Bracket:Arm:Manual Feed:Rear	1
33	B223 2652	Arm:Manual Feed:Rear	1
34	B223 2658	Arm:Manual Feed:Short:Rear	1
35	A259 6754	Bushing - 6 6mm	1

Index No.	Part No.	Description	Q'ty Per Assembly
36	AB01 1416	Gear - 20Z	1
37	B223 2608	Gear:Z16	1
38	AA14 0778	Shaft:Separator:Drive	1
39	AF03 2046	Separation Roller - Manual Feed	1
40	G080 2900	Torque Limiter	1
41	B180 2871	Shaft:Separator:Driven:Ass'y	1
42	AA06 3499	Pressure Spring	1
43	AA06 0872	Spring	1
44	B223 2681	Arm:Tightener	1
45	AB01 1223	Idler Gear - 25z	1
46	B223 2686	Gear:Z31	1
47	B223 2683	Gear:25Z	1
48	B223 2689	Gear:Z28	1
49	B223 2696	Drum Stay:Drive	1
			
101	0451 3006N	Tapping Screw - 3x6	
102	0450 3008N	Tapping Screw - M3x8	
103	0452 3008N	Tapping Screw - M3x8	
104	0353 0040N	Screw - M3X4	
105	0454 3008Q	Tapping Screw:3x8	
106	0451 3008N	Tapping Screw - M3x8	
107	0360 3006N	Screw - M3X6	
108	0805 0089	Retaining Ring - M4	
109	0805 0088	Retaining Ring - M6	
110	1105 0522	Edge Saddle - Les0510	
111	1102 6248	Connector - 5P	
112	1105 0551	Clamp:LES-0505	
113	1105 0511	Harness Clamp - LWS-0306ZC	

26.Toner Supply Unit 1 (B222/B224)

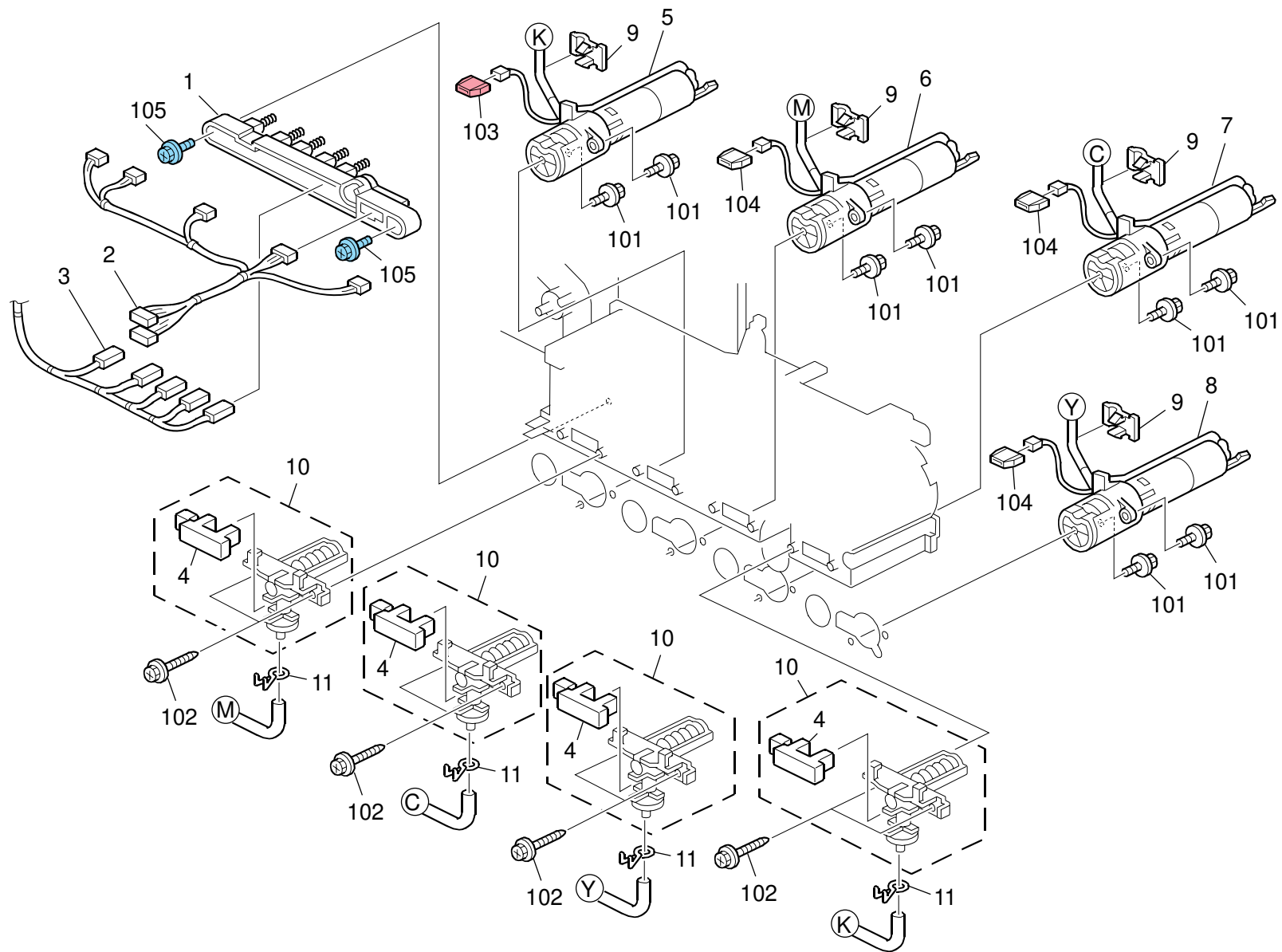


26.Toner Supply Unit 1 (B222/B224)

Index No.	Part No.	Description	Q'ty Per Assembly
*	B223 3400	Toner Supply Drive Unit	1
1	B238 5051	PCB:RFID:RW	1
2	B223 3470	Rfid Ground Plate	1
3	AA08 2101	Bushing - 6x10x6	8
4	B223 3426	Shaft:Drive:Drive Unit:CM	3
5	B223 3424	Shaft:Drive:Drive Unit:BKY	1
6	B223 3441	Timing Belt:Toner Bottle	2
7	B223 3461	Pulley:Toner Bottle:YC	3
8	B223 3462	Pulley:Toner Bottle:CM	2
9	B223 3464	Gear:Magnetic Clutch:Y	1
10	B223 3457	Magnetic Clutch - 0.25n.m YCM	3
11	B223 3455	Magnetic Clutch - 0.25n.m BK	1
12	B223 3428	Spring:Drive Unit:Toner Bottle	4
13	B223 3463	Gear:Toner Bottle:DRIVE	4

Index No.	Part No.	Description	Q'ty Per Assembly
101	0451 3006N	Tapping Screw - 3x6	
102	0450 3012N	Tapping Screw:3x12	
103	0720 0040E	Retaining Ring - M4	

27.Toner Supply Unit 2 (B222/B224)

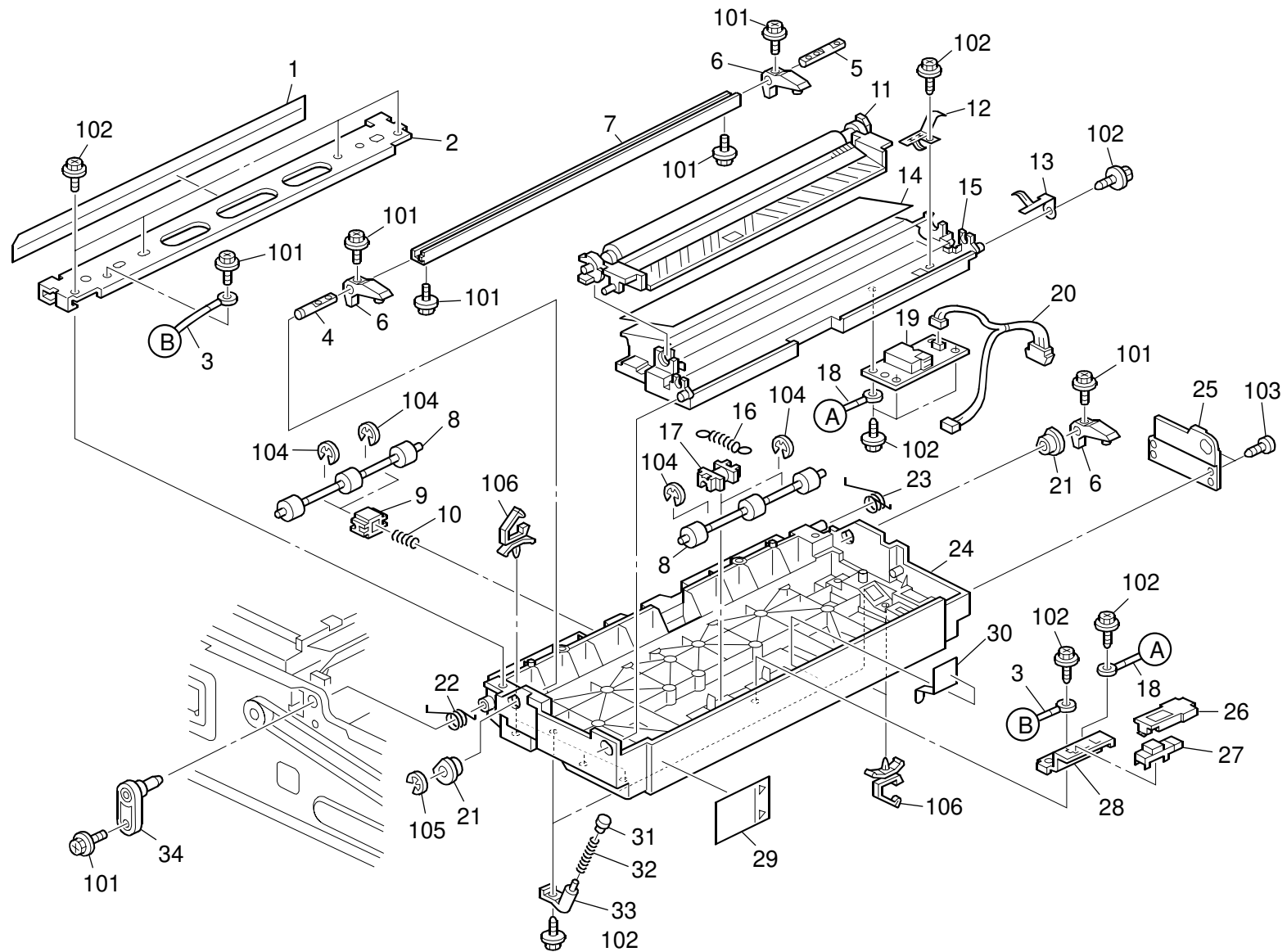


27.Toner Supply Unit 2 (B222/B224)

Index No.	Part No.	Description	Q'ty Per Assembly
1	B223 6140	Drawer:Intermediate Transfer:Ass'y	1
2	B223 5304	Harness:IOB:Toner Supply:CL	1
3	B223 5310	Harness:P.p:High Voltage Line:T/TS	1
4	AW02 0185	Toner End Sensor	4
5	B223 3211	Pump Unit - BK	1
6	B223 3204	Pump Unit - M	1
7	B223 3203	Pump Unit - C	1
8	B223 3202	Pump Unit - Y	1
9	B223 3206	Tube Clamp	4
10	B223 3205	Nozzle Ass'y	4
11	B223 3209	Tube Clip	4

Index No.	Part No.	Description	Q'ty Per Assembly
101	0451 3008N	Tapping Screw - M3x8	
102	0450 3012N	Tapping Screw:3x12	
103	1102 6259	Connector - 2P	
104	1102 6245	Relay Connector - 2P	
105	0454 3006Q	Tapping Screw - M3x6	

28. Paper Separation (B222/B224)

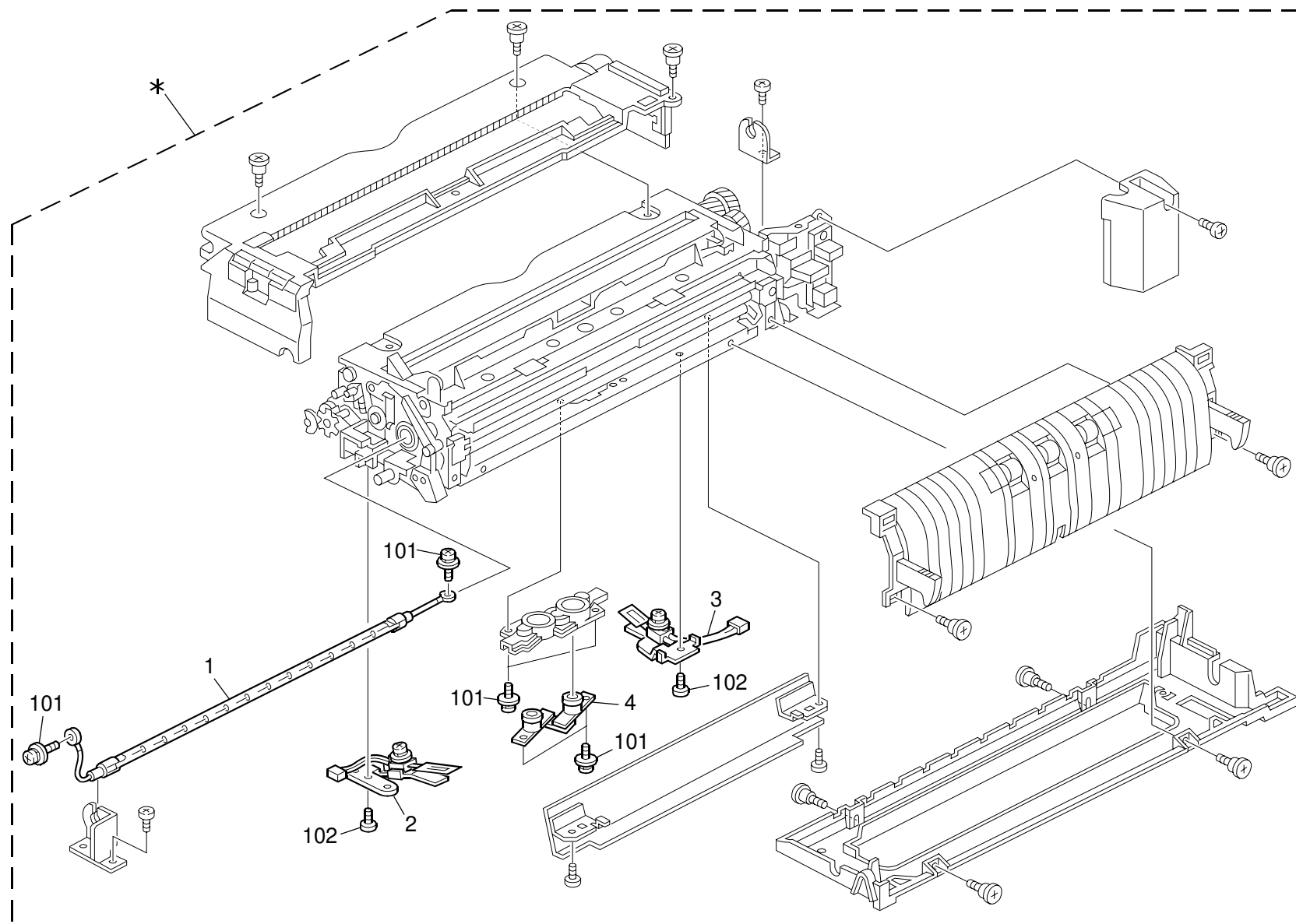


28.Paper Separation (B222/B224)

Index No.	Part No.	Description	Q'ty Per Assembly
1	B223 4555	Sheet:Transport Unit	1
2	B223 4554	Bracket:Guide Plate	1
3	B223 4557	Harness:Ground Wire	1
4	B223 6322	Lever Shaft - Front	1
5	B223 6323	Lever Shaft - Rear	1
6	B223 6306	Release Lever	3
7	B223 6320	Lever Bracket - Middle	1
8	B223 4559	Driven Roller:Dia16	2
9	AA08 0254	Bushing - M4	2
10	B223 4556	Compression Spring	2
11	B223 6263	Transfer/Separation Unit:AP:Ass'y	1
12	B223 6289	Terminal	1
13	B223 6285	Transfer Roller Terminal	1
14	B223 6327	Sheet:Case:Lower	1
15	B223 6281	Transfer Roller Case	1
16	B223 4553	Tension Spring:Driven Roller	2
17	B223 4552	Bushing:Dia4	2
18	B223 6317	Ground Wire - Power Pack	1
19	AZ30 0058	Power Pack:D	1
20	B223 4561	Harness - Second Transfer Unit	1
21	AA08 2145	Bushing - 8x12x7	2
22	B223 4542	Torsion Spring:Front	1
23	B223 4541	Torsion Spring:Rear	1
24	B223 4551	Guide Plate:Transfer Unit:Holder	1
25	B223 6290	Drum Stay - Rear	1
26	B238 4739	Cover - Entrance Sensor	1
27	AW01 0118	Paper Feed Sensor	1
28	B238 4733	Entrance Sensor Bracket	1
29	B223 4394	Decal:Warning (high Temperature)	1
30	B223 4558	Sheet:Harness	1
31	B223 6319	Spring Cap	2
32	B223 6308	Transfer Spring	2
33	B223 6321	Spring Anchor	2
34	B223 4545	Guide Pin:Holder	1

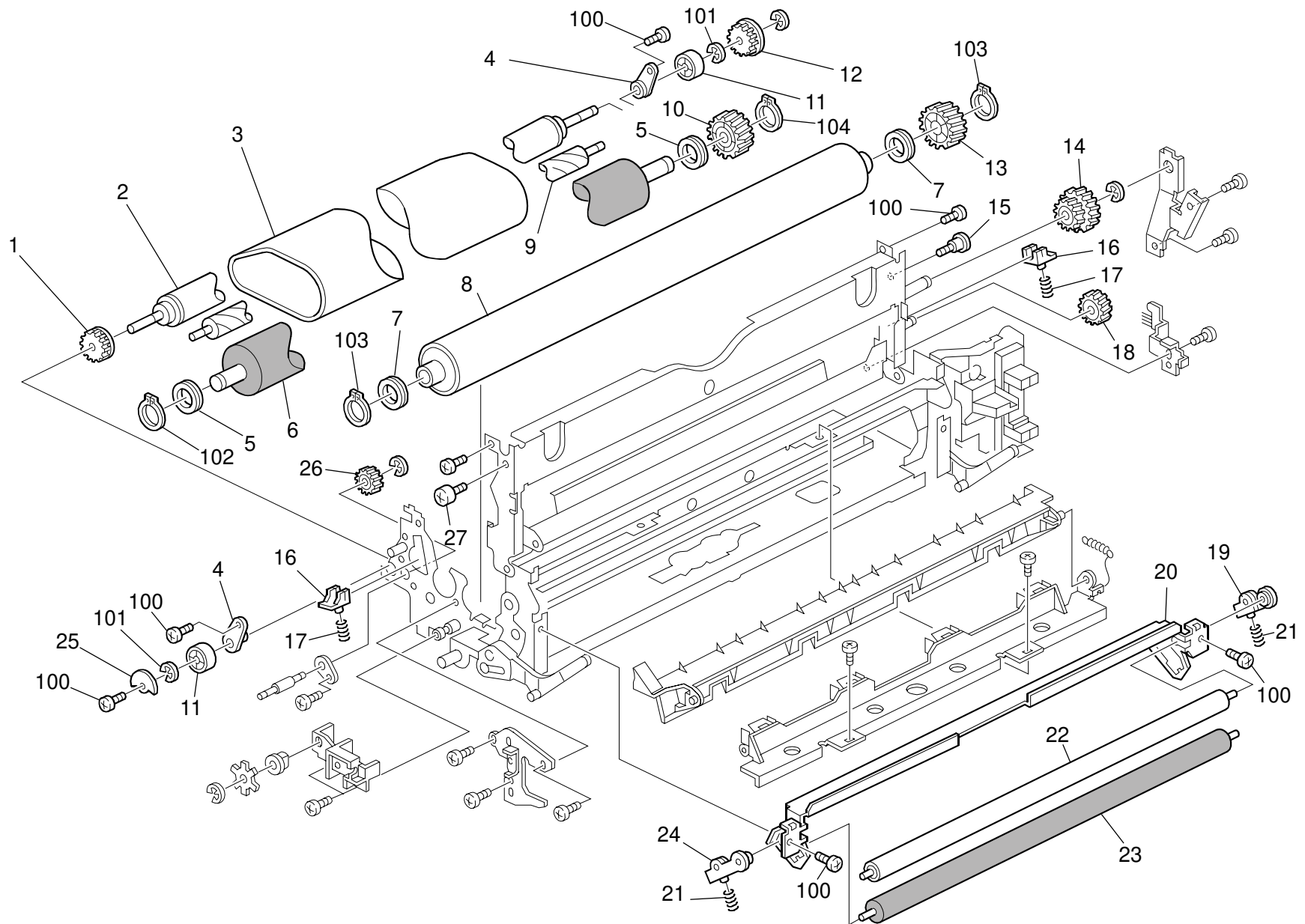
Index No.	Part No.	Description	Q'ty Per Assembly
101	0451 3006N	Tapping Screw - 3x6	
102	0450 3008N	Tapping Screw - M3x8	
103	0452 3008N	Tapping Screw - M3x8	
104	0720 0030E	Retaining Ring - M3	
105	0720 0060E	Retaining Ring - M6	
106	1105 0511	Harness Clamp - LWS-0306ZC	

29.Fusing unit 1 (B222/B224)





30.Fusing unit 2 (B222/B224)

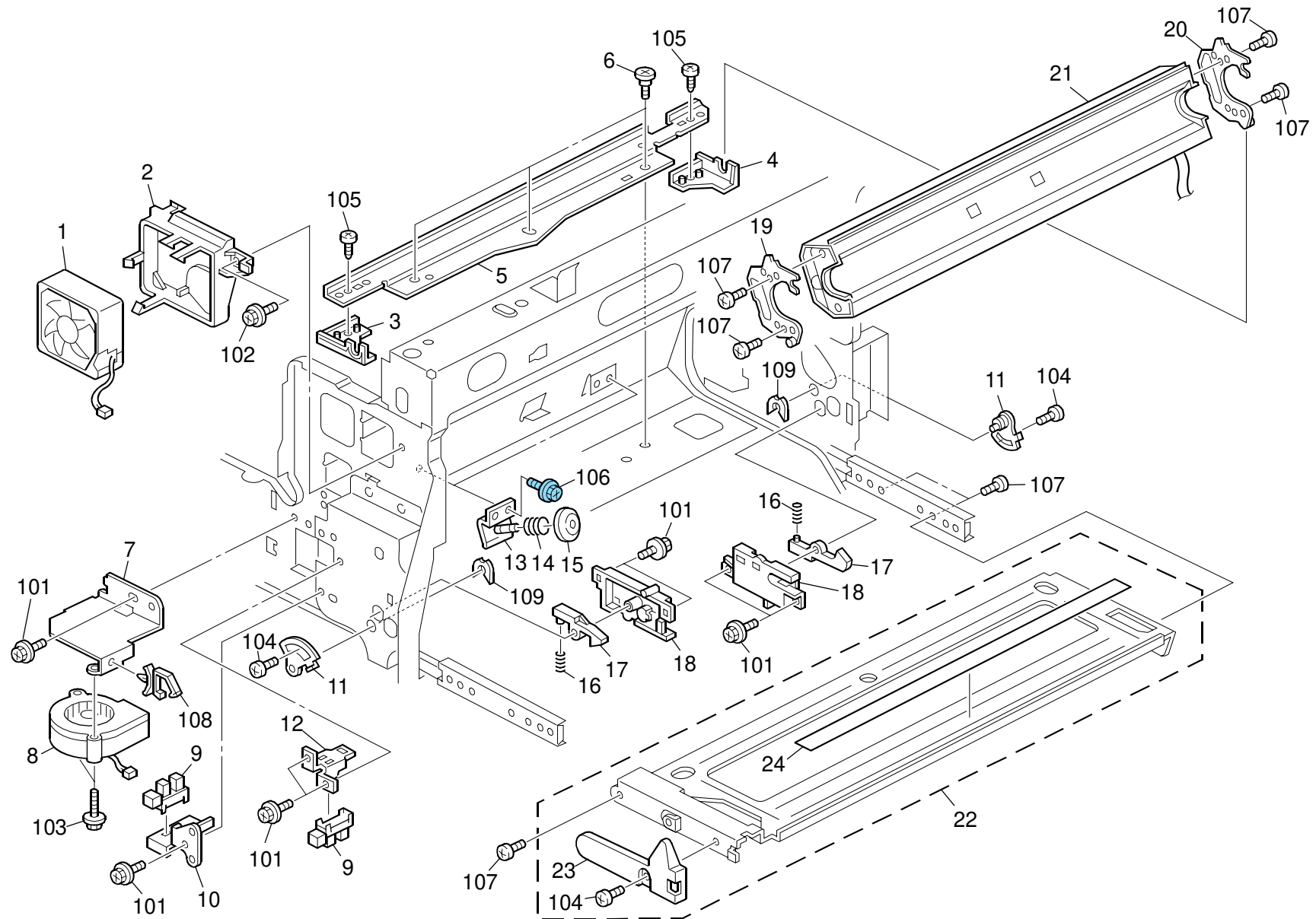


30.Fusing unit 2 (B222/B224)

Index No.	Part No.	Description	Q'ty Per Assembly
1	AB01 0088	Gear:Sensor:Turn	1
2	B223 4235	Roller:Ferrite Core:Ass'y	1
3	B223 4221	Fusing Belt:Dia60:Adhesion	1
4	AE03 1046	Bushing:Heat Roller	2
5	AE03 0069	Ball Bearing:Dia12xdia21x7	2
6	AE01 0059	Hot Roller:Dia35	1
7	AE03 0071	Ball Bearing:Dia17xdia26x5	2
8	AE02 0115	Pressure Roller:Dia40	1
9	B223 4226	Roller:Belt Tensioner:Dia12	1
10	AB01 2044	Gear:Hot Roller	1
11	B223 4233	Spacer:Heat Roller	2
12	AB01 1249	Gear:Turn:Ferrite Core:Z16	1
13	AB01 2045	Gear:Pressure Roller	1
14	AB01 7703	Gear:Drive:Fusing	1
15	AA14 3526	Stepped Screw - M3	1
16	AE03 1065	Bushing:Fusing Sub-unit	2
17	AA06 3954	Compression Spring:Belt Tensioner	2
18	AB01 2051	Gear:Idler:Pressure Roller	1
19	AE03 1062	Rear Bushing - Oil Supply Roller	1
20	B223 4181	Bracket:Oil Supply Roller	1
21	AA06 3953	Compression Spring:Oil Supply Roller	2
22	AE04 0066	Cleaning Roller - Oil Supply Roller	1
23	AE04 0065	Oil Supply Roller	1
24	AE03 1061	Front Bushing - Oil Supply Roller	1
25	B223 4232	Encoder:Ferrite Core:Change	1
26	AB01 0118	Gear:Turn:Sensor	1
27	B223 4072	Screw:Positioning Control	1

Index No.	Part No.	Description	Q'ty Per Assembly
100	0353 0060N	Bind Screw - M3x6	
101	0720 0040E	Retaining Ring - M4	
102	0725 0100E	Retaining Ring C - M10	
103	0725 0170E	Retaining Ring C - M17	
104	0725 0120E	Retaining Ring C - M12	

31.Fusing unit 3 (B222/B224)

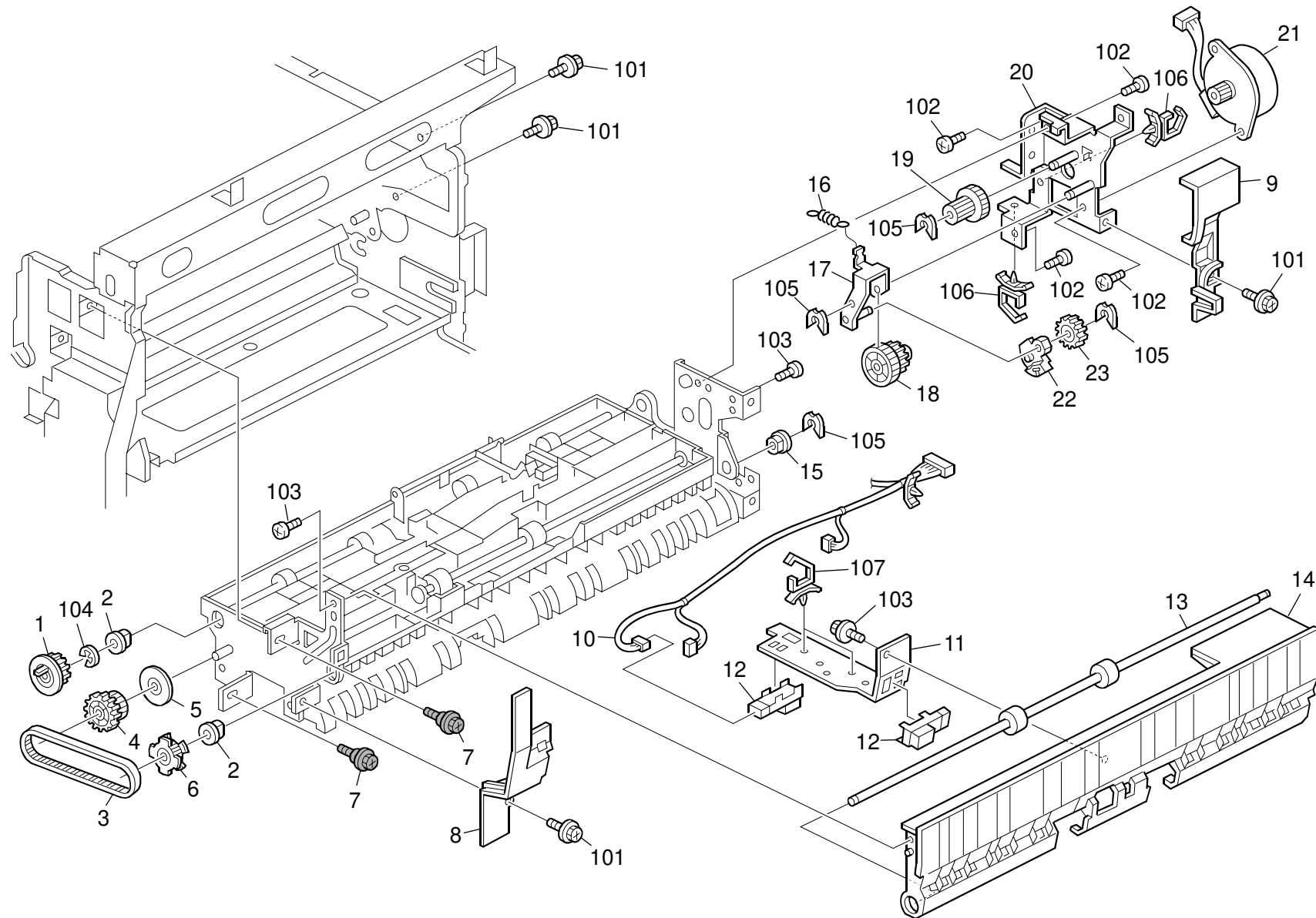


31.Fusing unit 3 (B222/B224)

Index No.	Part No.	Description	Q'ty Per Assembly
1	GX64 0021	Fan Motor DC24V 1.92W	1
2	B223 1336	Duct:Exit	1
3	B223 4311	Holder:Coil:Front Lower	1
4	B223 4312	Holder:Coil:Rear Lower	1
5	B223 4310	Stay:IH:Holder	1
6	5447 2768	Stepped Screw - M3	3
7	B223 1328	Bracket:Fan:Ih	1
8	AX65 0045	Sirocco Fan:DC24V 2.6W	1
9	GW02 0020	Photointerruptor:Lg248nl1	2
10	B223 4329	Bracket:Sensor:Machine Or Copier	1
11	B223 4337	Bracket:Pin	2
12	B223 4328	Bracket:Sensor:Turn	1
13	B223 4308	Bracket:Pressure:Coil	2
14	AA06 3438	Compression Spring	2
15	B223 4307	Guide:IH:Upper	2
16	AA06 3439	Compression Spring:Lever	2
17	B223 4327	Lever:Lock:Fusing Unit	2
18	B223 4336	Supporter:Fusing Unit	2
19	B223 4301	Frame:Coil:Front	1
20	B223 4303	Frame:Coil:Rear	1
21	B223 4349	IH Coil Unit	1
21	B223 4011	IH Coilunit:EU	1
22	B223 4360	Holder:Fusing Unit:Ass'y	1
23	B223 4341	Guide:Fusing Unit	1
24	B223 4397	Decal:Warning (high Temperature)	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	0451 3006N	Tapping Screw - 3x6	
102	0451 3008N	Tapping Screw - M3x8	
103	0451 3010N	Tapping Screw:3x10	
104	0353 0060N	Bind Screw - M3x6	
105	0452 3008N	Tapping Screw - M3x8	
106	0454 3006Q	Tapping Screw - M3x6	
107	0353 0040N	Screw - M3X4	
108	1105 0516	Clamp	
109	0805 0088	Retaining Ring - M6	

32. Paper Exit Section 1 (B222/B224)

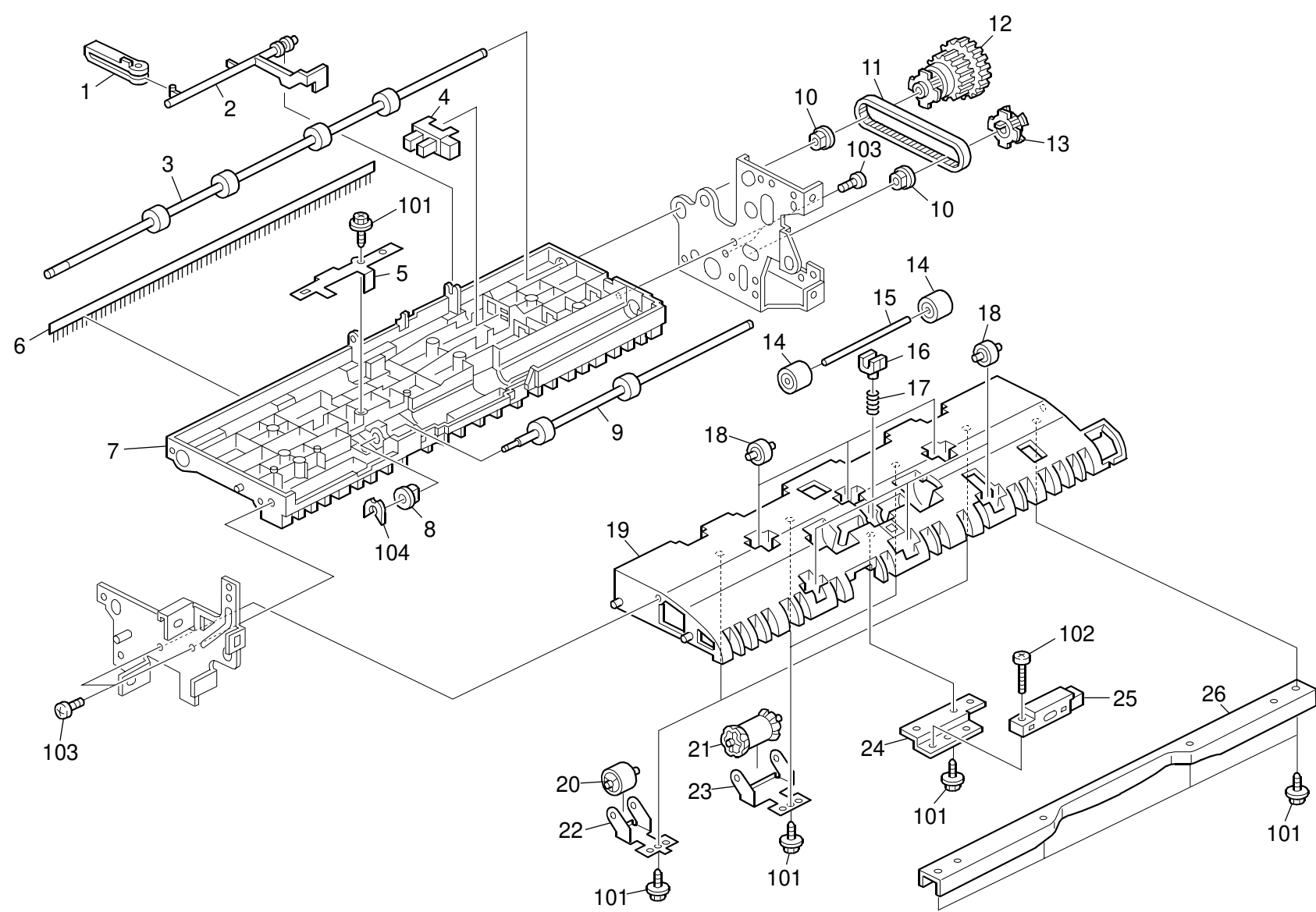


32.Paper Exit Section 1 (B222/B224)

Index No.	Part No.	Description	Q'ty Per Assembly
1	B223 4459	Gear:18Z	1
2	AA08 2101	Bushing - 6x10x6	2
3	AA04 3969	Timing Belt:30S2M216	1
4	B223 4458	Gear:Pulley:Z18/T23	1
5	B223 4456	Spacer:Idler	1
6	B223 4464	Timing Pulley:23T	1
7	B238 4483	Screw	2
8	B223 4437	Inner Cover:Exit:Front	1
9	B223 4438	Inner Cover:Exit:Rear	1
10	B223 4439	Harness:IOB:Paper Exit Unit:C	1
11	B223 4426	Bracket:Sensor	1
12	AW01 0107	Paper Feed Sensor	2
13	B223 4454	Transport Roller:Dia18	1
14	B223 4461	Guide Plate:Upper Right	1
15	H053 2208	Bushing - M4	1
16	B223 4452	Tension Spring:1.3n	1
17	B223 4447	Bracket:Gear:Coupling	1
18	B223 4451	Gear:Z14/Z40	1
19	B223 4467	Gear:Z20/Z32	1
20	B223 4444	Bracket:Stepper Motor:Gate	1
21	B223 4441	Stepper Motor:DC24V 70.2W	1
22	B223 4468	Stopper	1
23	B223 4450	Gear:Z14	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	0451 3006N	Tapping Screw - 3x6	
102	0453 3006N	Tapping Screw - M3x6	
103	0453 3010N	Binding Self Tapping Screw:3x10	
104	0720 0040E	Retaining Ring - M4	
105	0805 0092	Retaining Ring - 3m	
106	1105 0516	Clamp	
107	1105 0511	Harness Clamp - LWS-0306ZC	

33.Paper Exit Section 2 (B222/B224)

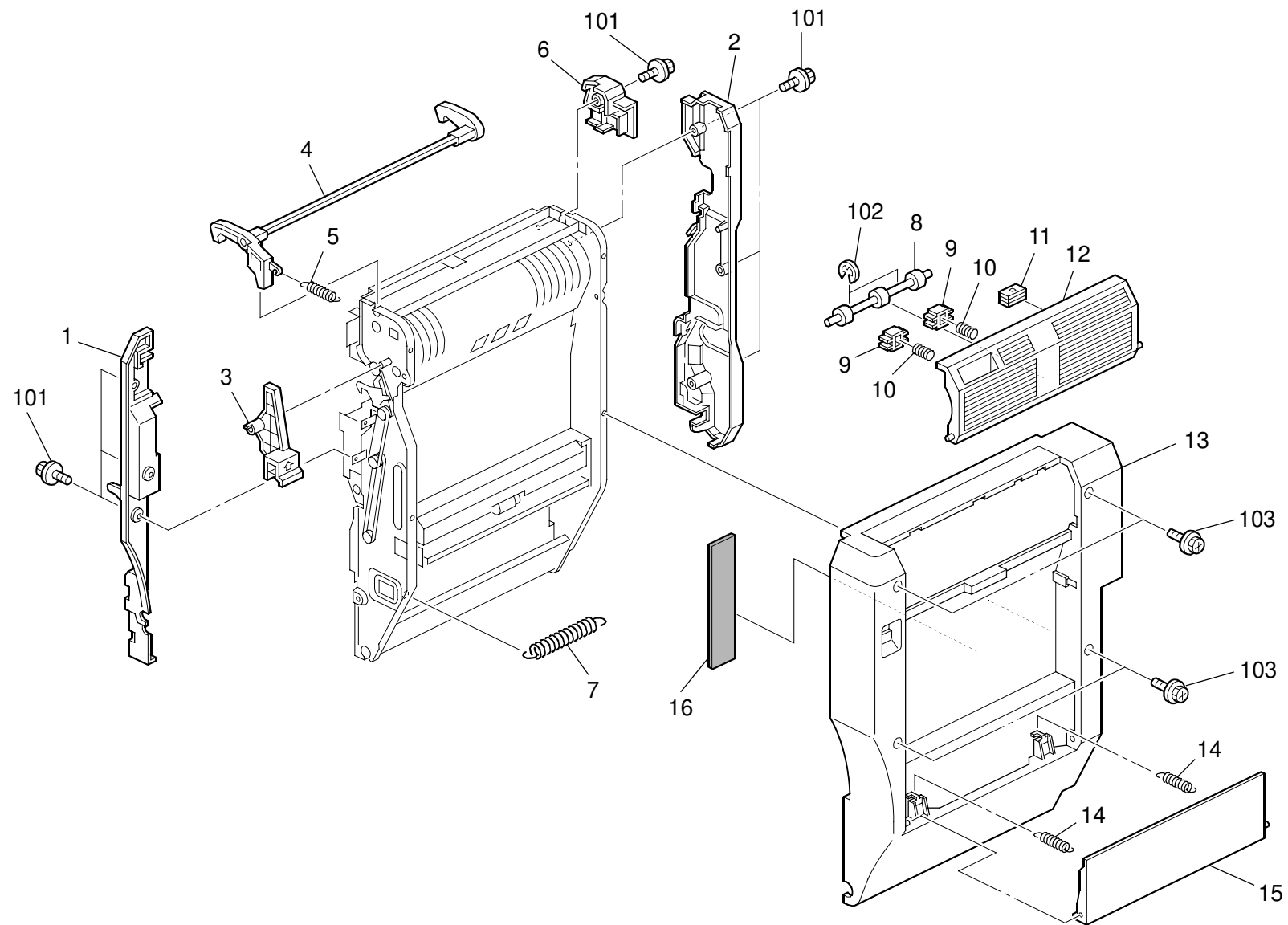


33.Paper Exit Section 2 (B222/B224)

Index No.	Part No.	Description	Q'ty Per Assembly
1	B238 4987	Overflow Feeler	1
2	B238 4985	Overflow Feeler Shaft	1
3	B223 4453	Exit Roller	1
4	AW02 0145	Photointerruptor:Flat	1
5	B223 4427	Ground Plate:Bracket:Sensor	1
6	B223 4491	Discharge Brush:Exit	1
7	B223 4421	Guide Plate:Upper Left	1
8	H053 2208	Bushing - M4	1
9	B223 4455	Transport Roller:Auxiliary	1
10	AA08 2101	Bushing - 6x10x6	2
11	AA04 3968	Timing Belt:30S2M160	1
12	B223 4457	Gear:Pulley:Z27/T22	1
13	B223 4463	Timing Pulley:22T	1
14	B223 4435	Roller:Auxiliary:Driven:Dia16:pFA	2
15	B223 4493	Shaft:Pressure:Auxiliary	1
16	AA08 0156	Bushing - M4	1
17	B238 4458	Compression Spring - Driven Roller	1
18	B223 4428	Roller:Guide:pFA	6
19	B223 4488	Guide Plate:Lower	1
20	AF04 0567	Tension Roller	2
21	AF04 0566	Tension Roller	2
22	B238 4436	Spring Plate - Exit Roller Outer	2
23	B223 4436	Spring Plate - Exit Roller	2
24	B238 4454	Sensor Bracket	1
25	AW01 0127	Paper Feed Sensor	1
26	B223 4442	Stay:Protect	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	0450 3010N	Tapping Screw - M3x10	
102	0353 0100N	Screw-m3x10	
103	0452 3010N	Binding Self-tapping Screw:3x10	
104	0805 0092	Retaining Ring - 3m	

34. Duplex Unit 1 (B222/B224)

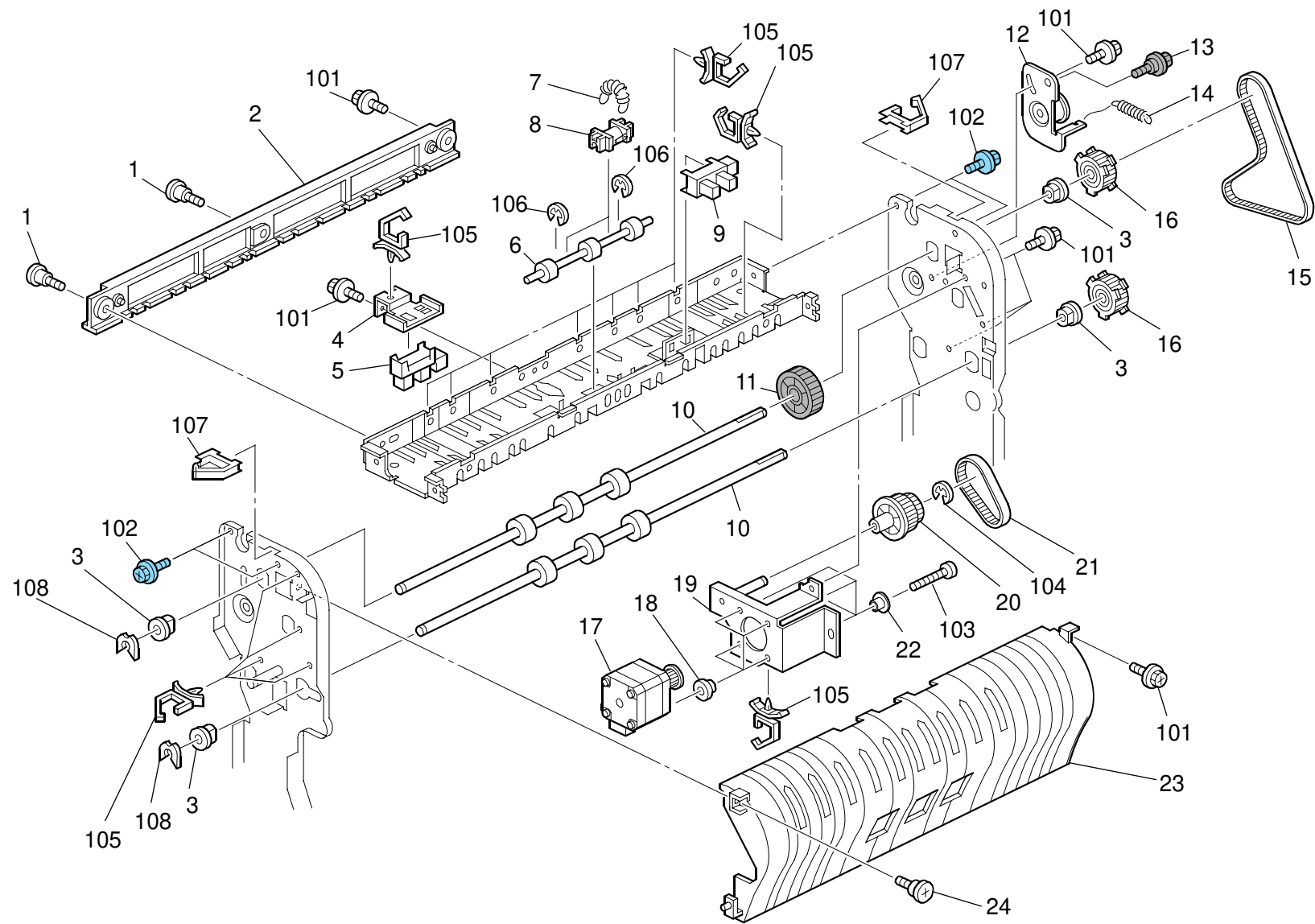


34.Duplex Unit 1 (B222/B224)

Index No.	Part No.	Description	Q'ty Per Assembly
1	B223 4534	Inner Cover:Duplex	1
2	B223 4533	Inner Cover:Duplex:Rear	1
3	B223 4579	Grip:Open And Close:Duplex Unit	1
4	B223 4590	Hook:Stopper	1
5	B223 4532	Tension Spring:Hook:Stopper	1
6	B223 4482	Inner Cover:Sensor	1
7	B223 4525	Tension Spring:Wire:180n	1
8	B223 4559	Driven Roller:Dia16	1
9	AA08 0254	Bushing - M4	2
10	B223 4538	Compression Spring	2
11	AG07 0514	Magnet Catch	1
12	B223 4531	Guide Plate:Cover	1
13	B223 4540	Cover:Duplex	1
14	B223 2665	Spring:Cover:Manual Feed	2
15	B223 2664	Cover:Manual Feed:Entrance	1
16	B223 4539	Sheet:Cover:Duplex	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	0451 3006N	Tapping Screw - 3x6	
102	0720 0030E	Retaining Ring - M3	
103	0451 3008N	Tapping Screw - M3x8	

35. Duplex Unit 2 (B222/B224)

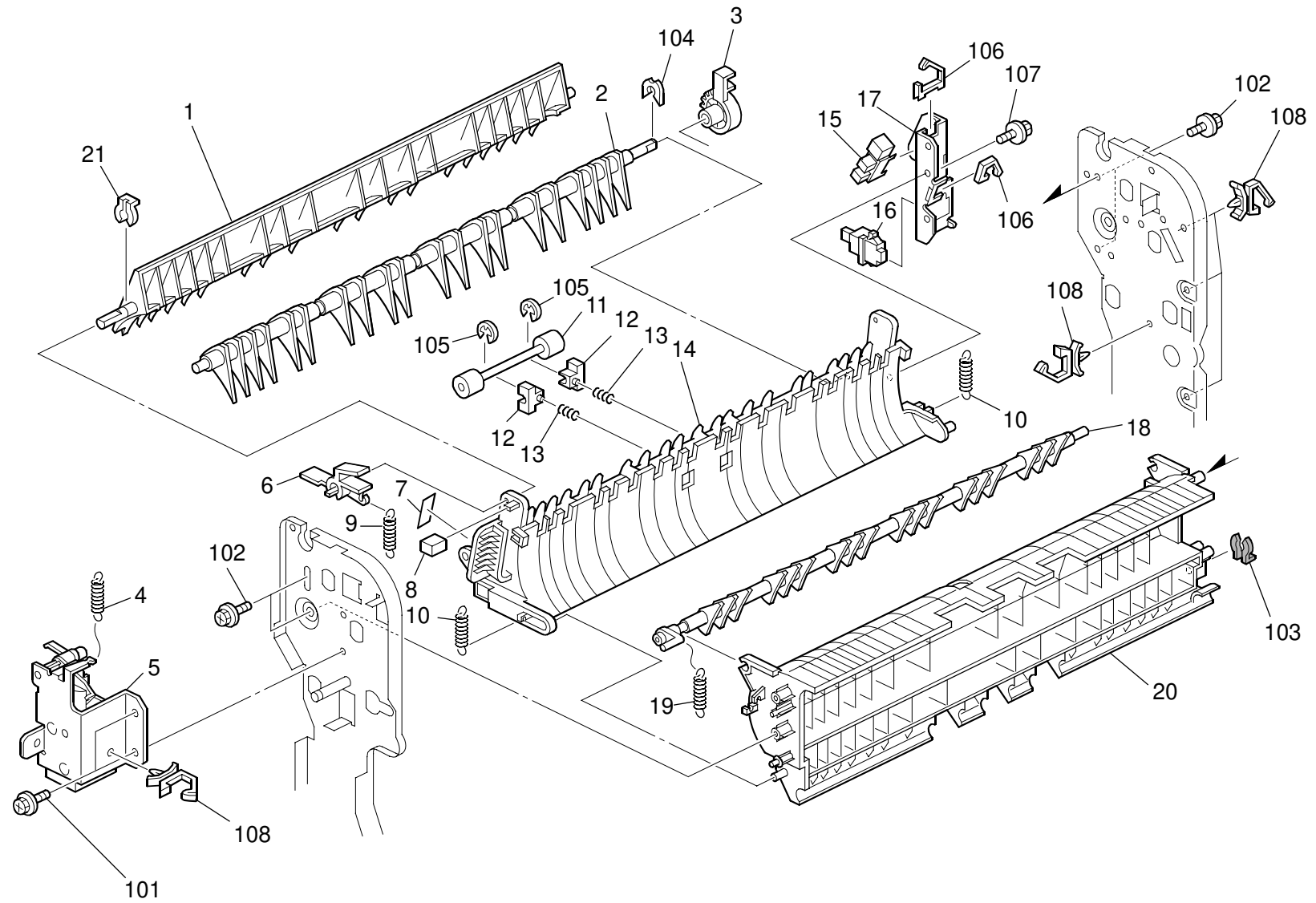


35.Duplex Unit 2 (B222/B224)

Index No.	Part No.	Description	Q'ty Per Assembly
1	AA14 3807	Screw:A	2
2	B223 4483	Guide Plate:Upper:Gate	1
3	AA08 2104	Bushing - 8x12x7	4
4	B223 4566	Bracket:Sensor:Entrance	1
5	AW01 0107	Paper Feed Sensor	1
6	B223 4559	Driven Roller:Dia16	1
7	B223 4560	Tension Spring:Driven Roller	2
8	B223 4552	Bushing:Dia4	2
9	AW02 0145	Photointerruptor:Flat	1
10	B223 4537	Reverse Roller:Feed Paper Again	2
11	AB01 4161	Reverse Roller Gear	1
12	B223 4562	Tightener	1
13	B044 1847	Shoulder Screw	1
14	B223 4564	Spring:Tightener	1
15	B223 4526	Timing Belt:30S2M268	1
16	B223 4586	Pulley:T30	2
17	B223 4572	Stepper Motor:DC4.29V 1.7W	1
18	AA10 1021	Rubber Bushing - 6 45hs	4
19	B223 4575	Bracket:Stepper Motor	1
20	B223 4571	Gear:Pulley:Z24/T40	1
21	B223 4573	Timing Belt:30S2M128	1
22	B044 1825	Collar	4
23	B223 4501	Guide Plate:Right	1
24	5840 3022	Stopper Screw - M3	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	0451 3006N	Tapping Screw - 3x6	
102	0454 3006Q	Tapping Screw - M3x6	
103	0353 0100N	Screw-m3x10	
104	0720 0040E	Retaining Ring - M4	
105	1105 0511	Harness Clamp - LWS-0306ZC	
106	0720 0030E	Retaining Ring - M3	
107	1105 0551	Clamp:LES-0505	
108	0805 0088	Retaining Ring - M6	

36.Duplex Unit 3 (B222/B224)

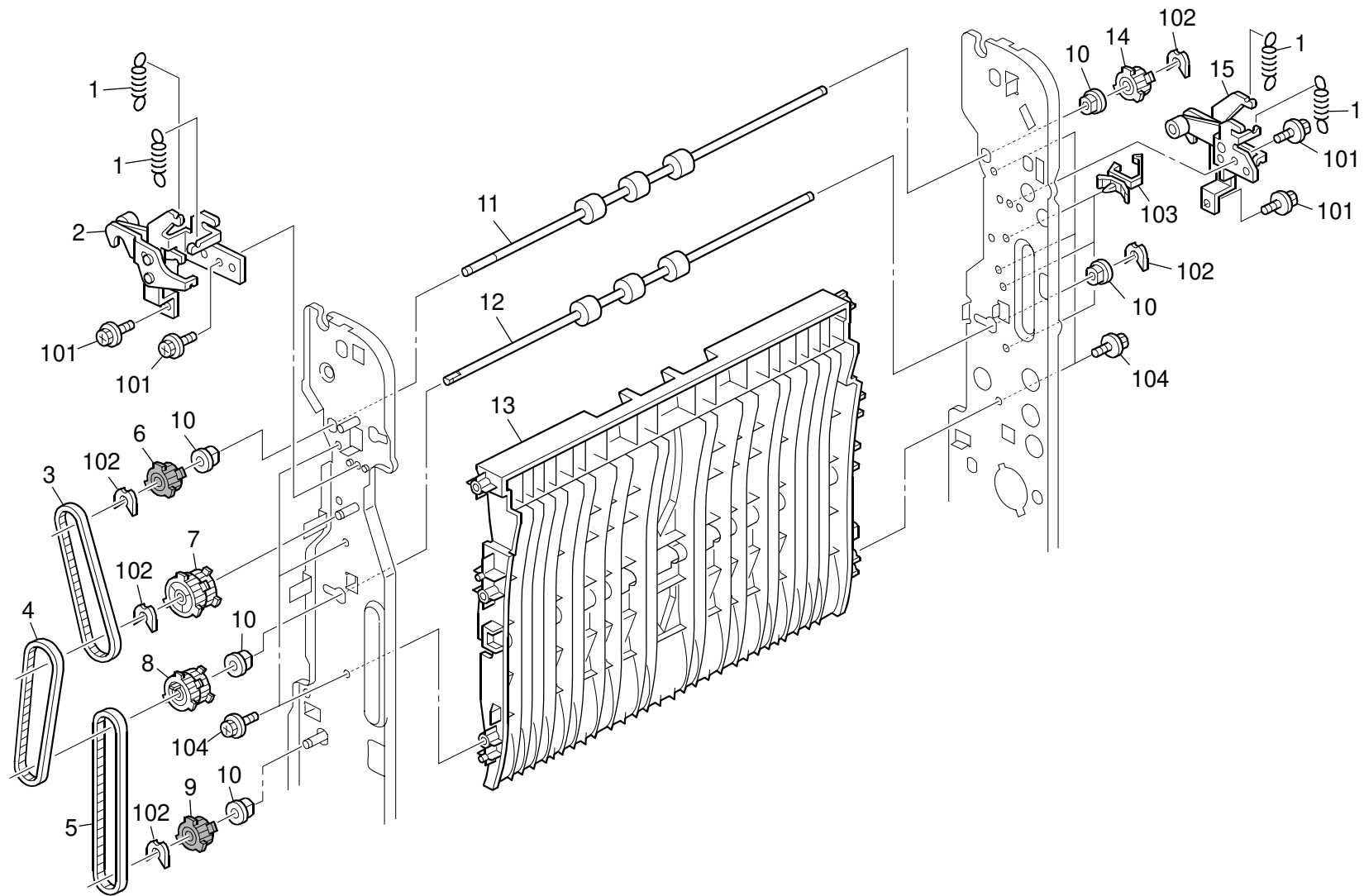


36.Duplex Unit 3 (B222/B224)

Index No.	Part No.	Description	Q'ty Per Assembly
1	B223 4495	Gate Pawl:Upper	1
2	B223 4475	Gate Pawl:Entrance	1
3	B223 4472	Gear:21Z	1
4	B223 4584	Tension Spring:Lever	1
5	B223 4581	DC Solenoid:Duplex	1
6	B223 4477	Lever:Gate Pawl:Upper	1
7	B223 4492	Decal:Open And Close	1
8	B223 4478	Stopper:Gate Pawl:Upper	1
9	B223 4479	Tension Spring:Gate Pawl:1.6n	1
10	B223 4485	Tension Spring:10n	2
11	B223 4474	Driven Roller:Dia16	1
12	G060 4435	Bushing - M4	2
13	B223 4484	Compression Spring:Driven Roller	2
14	B223 4471	Guide Plate:Open And Close	1
15	AW02 0145	Photointerruptor:Flat	1
16	AW50 0023	Push Switch	1
17	B223 4481	Bracket:Paper Exit Unit:Rear	1
18	B223 4578	Gate Pawl:Duplex	1
19	B223 4589	Tension Spring:Gate Pawl:0.5n	1
20	B223 4503	Guide Plate:Left Upper	1
21	5447 2681	Snap Ring	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	0451 3006N	Tapping Screw - 3x6	
102	0450 3008N	Tapping Screw - M3x8	
103	0805 0097	Ring Separator	
104	0805 0089	Retaining Ring - M4	
105	0720 0030E	Retaining Ring - M3	
106	1105 0551	Clamp:LES-0505	
107	0450 3010N	Tapping Screw - M3x10	
108	1105 0511	Harness Clamp - LWS-0306ZC	

37. Duplex Unit 4 (B222/B224)

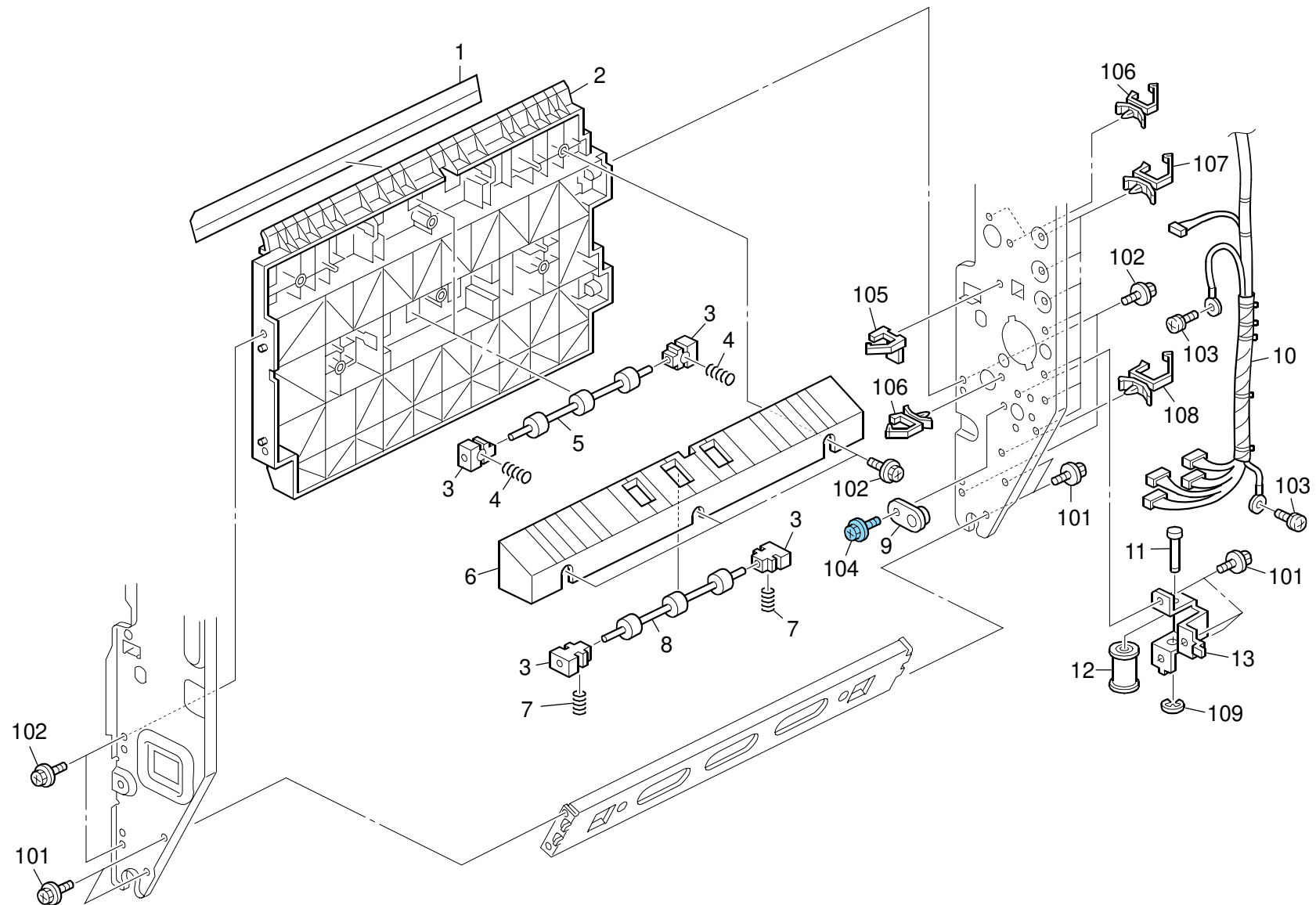


37.Duplex Unit 4 (B222/B224)

Index No.	Part No.	Description	Q'ty Per Assembly
1	AA06 1013	Tension Spring:Arm:Duplex	4
2	B223 4321	Arm:Front	1
3	B223 4512	Timing Belt:30S2M182	1
4	B223 4536	Timing Belt:30S2M234	1
5	B223 4511	Timing Belt:30S2M312	1
6	B223 4529	Roller Clutch:T24	1
7	B223 4544	Pulley:T35/T33	1
8	B223 4527	Pulley:T26/T24	1
9	B223 4535	Roller Clutch:T26	1
10	AA08 2101	Bushing - 6x10x6	5
11	B223 4513	Transport Roller:No.1	1
12	B223 4543	Transport Roller:No.2	1
13	B223 4502	Guide Plate:Left Lower	1
14	B223 4514	Roller Clutch:T24	1
15	B223 4320	Arm:Rear	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	0451 3006N	Tapping Screw - 3x6	
102	0805 0089	Retaining Ring - M4	
103	1105 0511	Harness Clamp - LWS-0306ZC	
104	0450 3008N	Tapping Screw - M3x8	

38. Duplex Unit 5 (B222/B224)

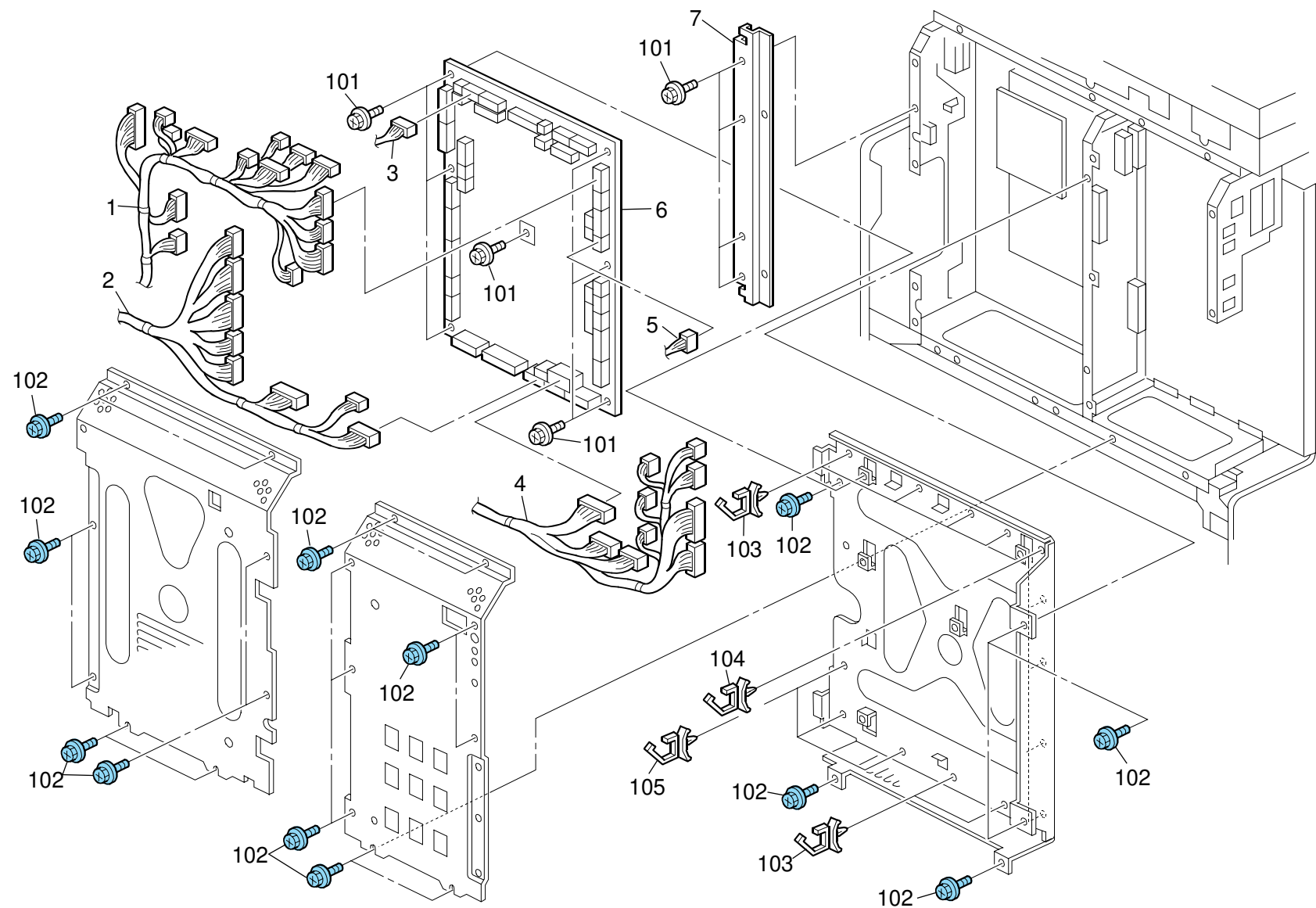


38.Duplex Unit 5 (B222/B224)

Index No.	Part No.	Description	Q'ty Per Assembly
1	B223 2677	Sheet - Transport Sub-unit	1
2	B223 2675	Guide Plate - Vertical Transport	1
3	G060 2652	Bushing - M4	6
4	B223 2676	Spring - 11n	4
5	AF02 0646	Vertical Transport Roller	2
6	B223 2648	Guide Plate:Transport Unit:Exit	1
7	B223 2649	Spring:Pressure:5n	2
8	B223 2641	Roller:Driven:Dia16	1
9	B223 4522	Spacer:Wire:Stopper	1
10	B223 4587	Harness:Duplex Md	1
11	B223 4594	Shaft:Pulley:Wire	1
12	B223 4595	Pulley:DIA13	1
13	B223 4596	Bracket:Shaft:Pulley:Wire	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	0451 3006N	Tapping Screw - 3x6	
102	0450 3008N	Tapping Screw - M3x8	
103	0801 0149	Philips Pan Head Screw - M4x6	
104	0454 3006Q	Tapping Screw - M3x6	
105	1105 0568	Clamp:LWSS-0504	
106	1105 0511	Harness Clamp - LWS-0306ZC	
107	1105 0516	Clamp	
108	1105 0508	Harness Clamp - LWS-0711	
109	0720 0040E	Retaining Ring - M4	

39.Electrical Section 1 (B222/B224)

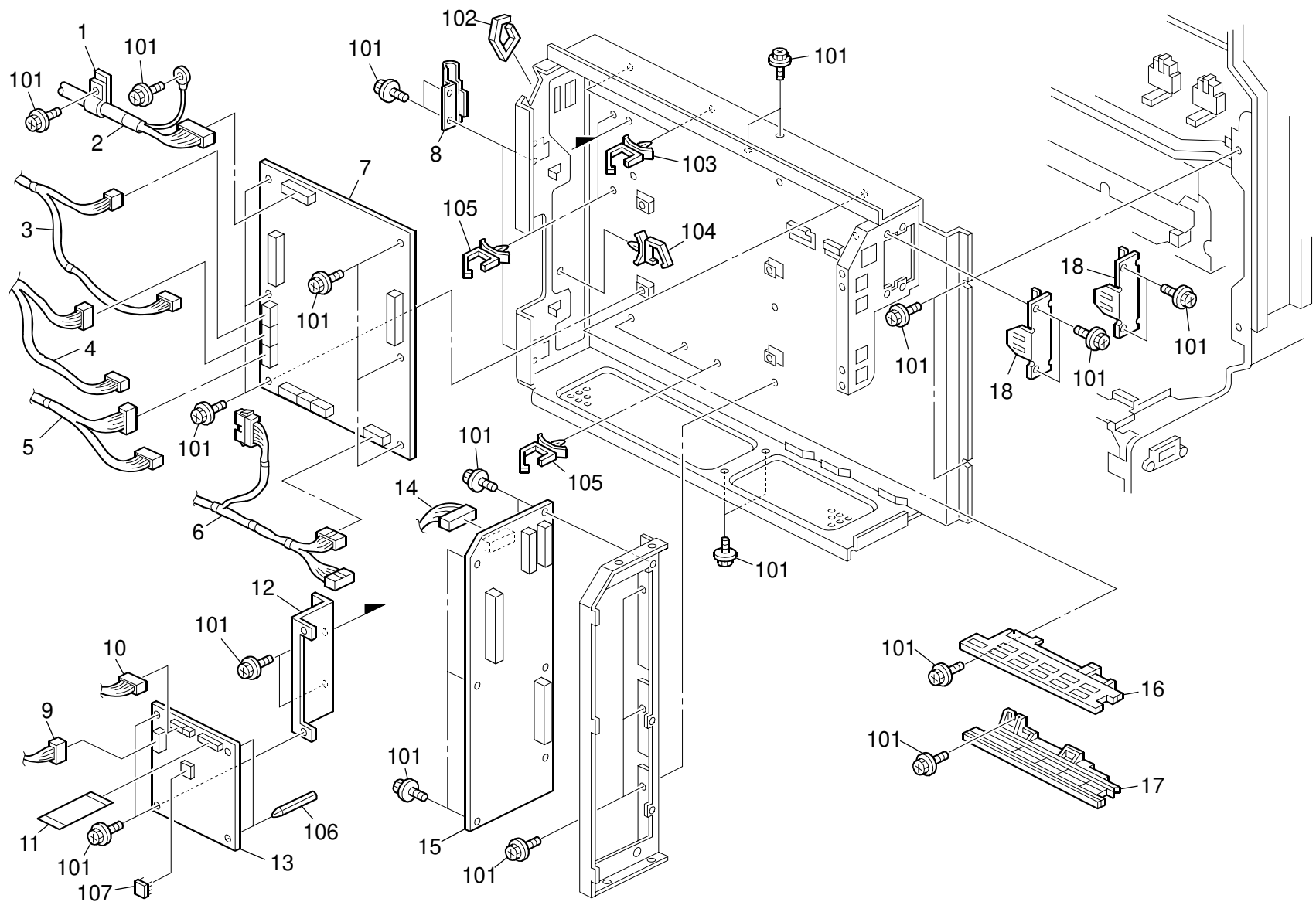


39.Electrical Section 1 (B222/B224)

Index No.	Part No.	Description	Q'ty Per Assembly
1	B223 5302	Harness:IOB:Main:Upper	1
2	B223 5300	Harness:IOB:Main:Lower	1
3	B223 5322	Harness:IOB:1bin	1
4	B223 5301	Harness:IOB:Main:Middle	1
5	B223 5325	Harness:IOB:Counter:EXP	1
6	B223 5120	PCB:IOB	1
7	B223 5816	Plate:Rack:Auxiliary:Right	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	0451 3006N	Tapping Screw - 3x6	
102	0454 3006Q	Tapping Screw - M3x6	
103	1105 0489	Harness Clamp - LWS 1316	
104	1105 0487	Harness Clamp	
105	1105 0490	Harness Clamp - IWS-2218	

40.Electrical Section 2 (B222/B224)

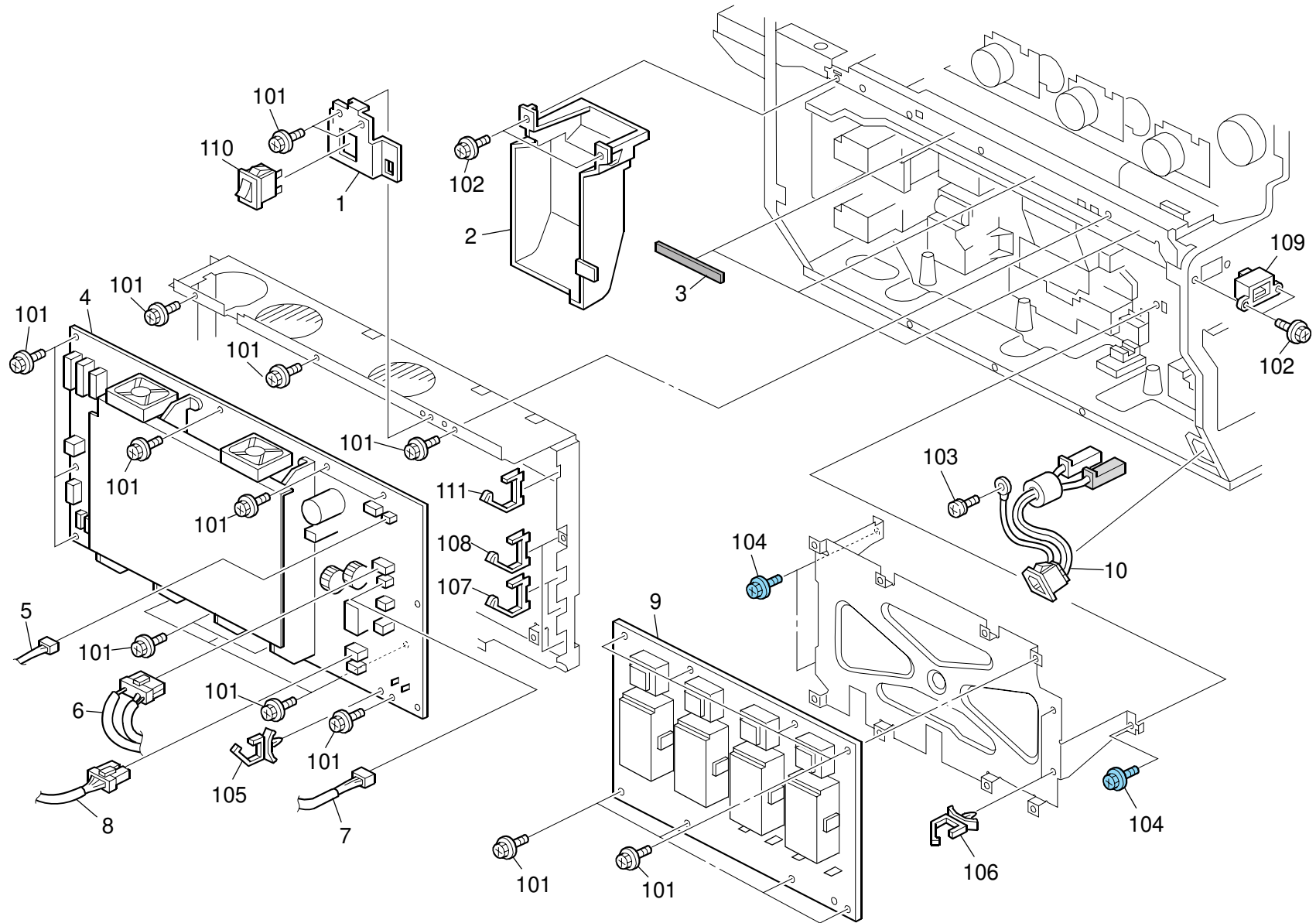


40.Electrical Section 2 (B222/B224)

Index No.	Part No.	Description	Q'ty Per Assembly
1	B154 5879	Plate:Cable	1
2	B223 5225	Interface Cable:Scanner:LVDS:HF	1
3	B221 5247	Harness:LD Unit:LD-Data:1LD	1
3	B223 5246	Harness:IPU:LD-Data:2LD	1
4	B223 5248	Harness:IPU:Sync Detector:Mirror	1
5	B221 5245	Harness:LD Unit:LD-Signal:1LD	1
5	B223 5244	Harness:IPU:LD-Signal:2LD	1
6	B223 5347	Harness:Power Supply Unit:C1	1
7	B223 5725	PCB:IPU	1
8	B223 5812	Hinge:Panel:Control Board	2
9	B223 5321	Harness:Connecting:BCU:SIO	1
10	G133 5328	Harness:EGB:TM/P:Sensor	1
11	B223 5320	Harness:IOB:BCU	1
12	B223 5807	Bracket:BCU	1
13	B223 5113	PCB:BCU	1
14	B223 5327	Harness:MB:OPU	1
15	B223 5747	PCB:MB:AP-C1	1
16	B223 5808	Supporter:Rapi:Upper	1
17	B223 5809	Supporter:Rapi:Lower	1
18	B101 5993	Interface Panel	2

Index No.	Part No.	Description	Q'ty Per Assembly
101	0451 3006N	Tapping Screw - 3x6	
102	1105 0521	Clamp - LES-1017	
103	1105 0516	Clamp	
104	1105 0490	Harness Clamp - IWS-2218	
105	1105 0488	Harness Clamp	
106	1105 0642	PCS-20S-V0	
107	1407 6362	EEPROM:BR24L64-W	

41.Electrical Section 3 (B222/B224)

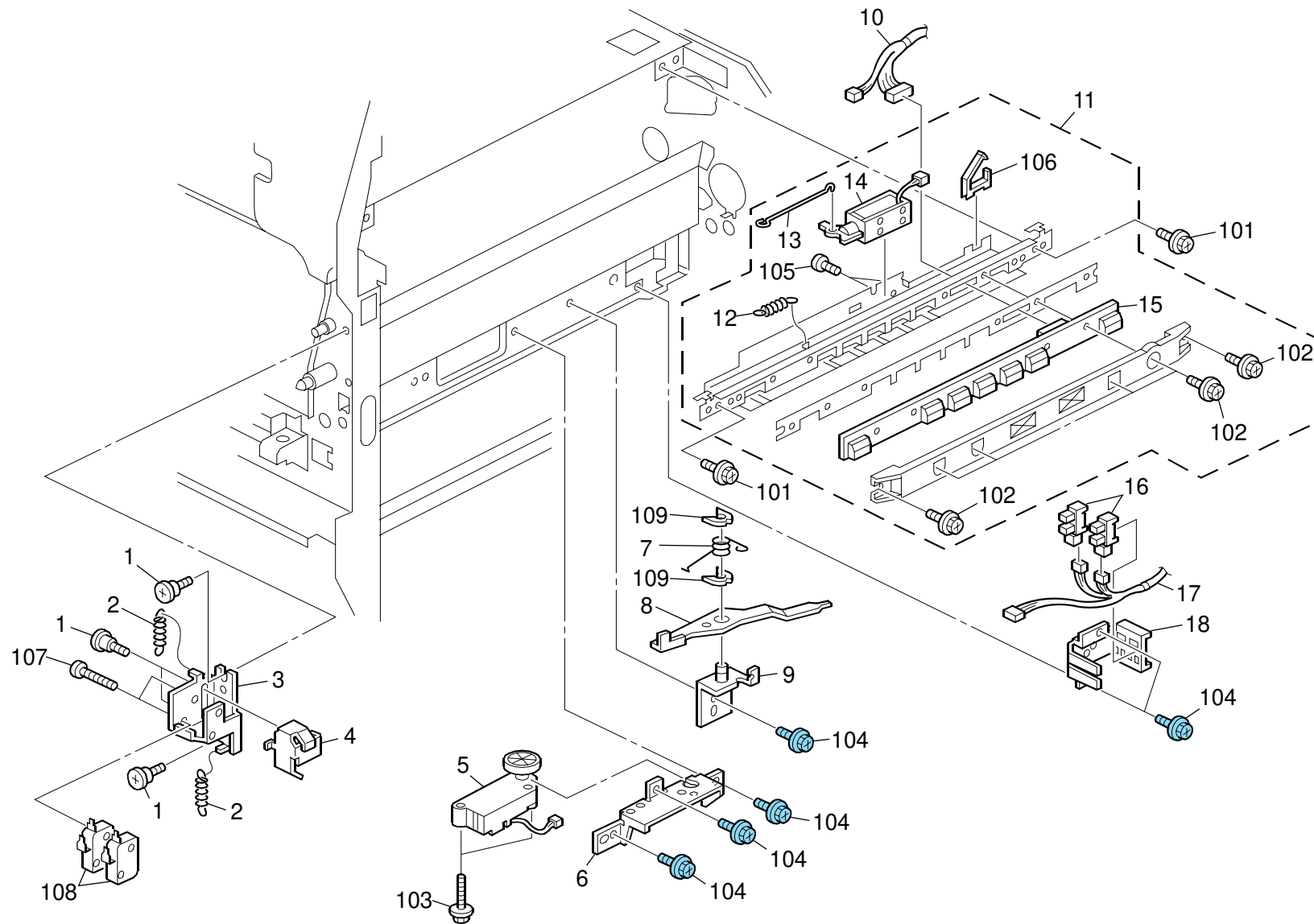


41.Electrical Section 3 (B222/B224)

Index No.	Part No.	Description	Q'ty Per Assembly
1	B223 5857	Bracket:Sw:Dehumidifier:Heater:Exp	1
2	B223 1239	Duct:Rear:Lower	1
3	B223 5861	Gasket:Etnw100-00505:L90	3
4	AZ24 0109	Power Supply Unit:494W:DOM/NA	1
4	AZ24 0110	Power Supply Unit:494W:EU/AA:APO-C1	1
5	B223 5336	Harness:PSU:JIGU	1
6	B223 5345	Harness:Power Supply Unit	1
7	B223 5332	Harness:PSU:SW:NA	1
8	B223 5331	Harness:AC:IH:Power Supply Unit	1
8	B223 5338	Harness:AC:IH:Power Supply Unit:EU	1
9	AZ32 0165	Power Pack:CB:APO-C/P:-80mic	1
10	B223 5333	Harness:AC:Inlet	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	0451 3006N	Tapping Screw - 3x6	
102	0451 3008N	Tapping Screw - M3x8	
103	0954 4008N	Screw - M4X8	
104	0454 3006Q	Tapping Screw - M3x6	
105	1105 0488	Harness Clamp	
106	1105 0487	Harness Clamp	
107	1105 0614	Clamp - EDS-1710L-V0	
108	1105 0613	Clamp:EDS-1010L-V0	
109	1102 8502	Connector - 54679-1615	
110	1204 2570	Rocker Switch:Sddje13200	
111	1105 0612	Clamp:EDS-0704L-V0	

42.Electrical Section 4 (B222/B224)

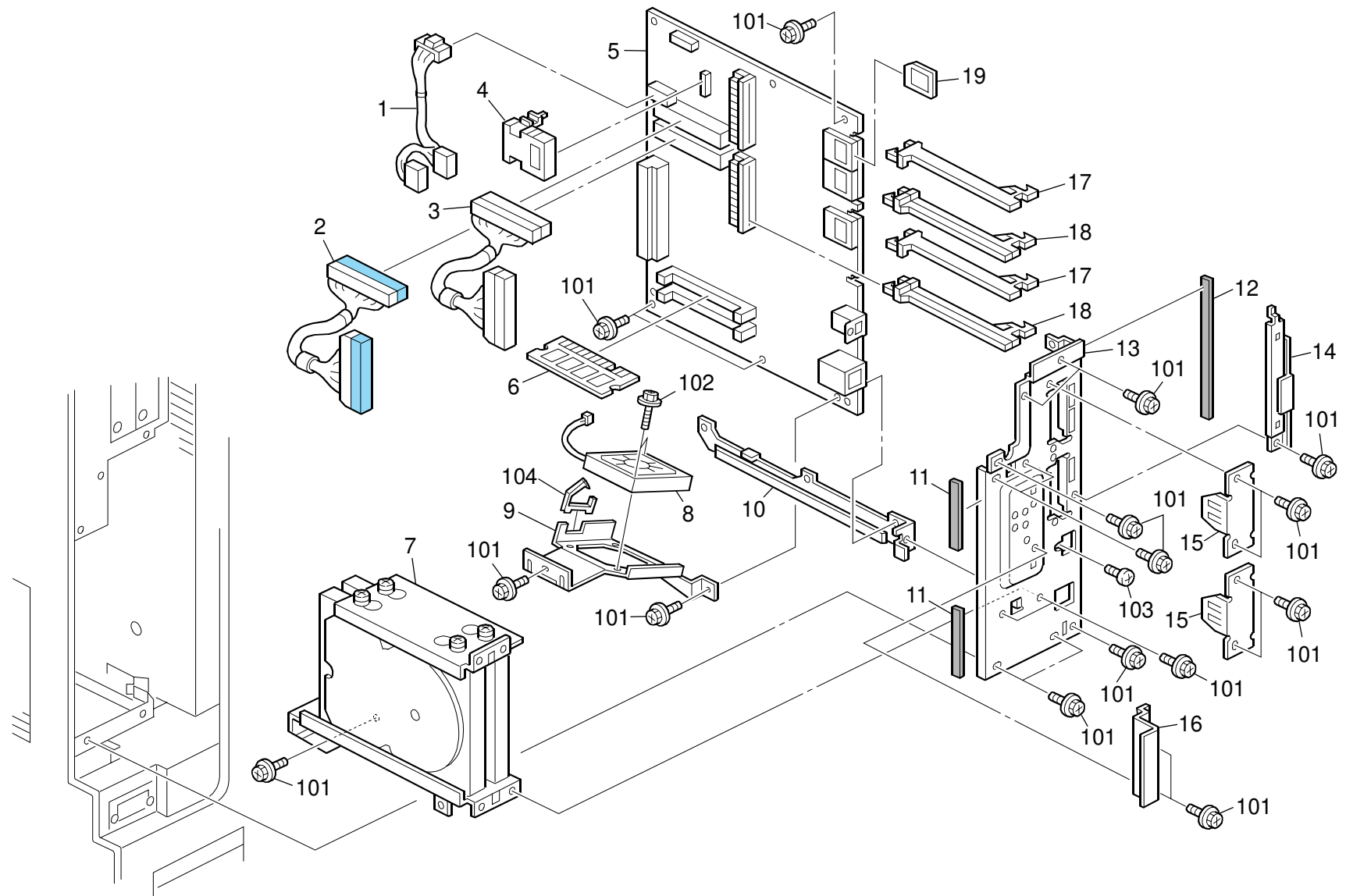


42.Electrical Section 4 (B222/B224)

Index No.	Part No.	Description	Q'ty Per Assembly
1	B223 1317	Screw	2
2	AA06 3568	Pressure Spring	2
3	B223 5813	Safety Switch Bracket	1
4	B223 5814	Bracket - Safety Switch Lever	1
5	B223 1213	DC Motor:Shutter:Ass'y	1
6	B223 1212	DC Motor Bracket	1
7	B223 1224	Torsion Spring	1
8	B223 1225	Shutter Link	1
9	B223 1221	Sensor Link Bracket	1
10	B223 5309	Harness:IOB:Connecting:TM/P:Sensor	1
11	B223 5876	Density Sensor:Ass'y	1
12	AA06 0151	Tension Spring	1
13	B238 5867	Hook:Solenoid:Sensor:TM	1
14	B238 5875	DC Solenoid DC24V	1
15	B223 6395	Density Sensor	1
16	GW02 0020	Photointerruptor:Lg248nl1	2
17	B223 5313	Harness:IOB:LD Unit:Shutter	1
18	B223 1227	Sensor Shutter Bracket	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	0451 3006N	Tapping Screw - 3x6	
102	0451 3008N	Tapping Screw - M3x8	
103	0451 3025N	Tapping Screw:M3x25	
104	0454 3006Q	Tapping Screw - M3x6	
105	0312 5040N	Screw - M2.5X4	
106	1105 0612	Clamp:EDS-0704L-V0	
107	0353 0250N	Screw:M3X25	
108	1204 2709	Switch - V-5F930DN	
109	0805 0088	Retaining Ring - M6	

43.Controller Unit (B222/B224)

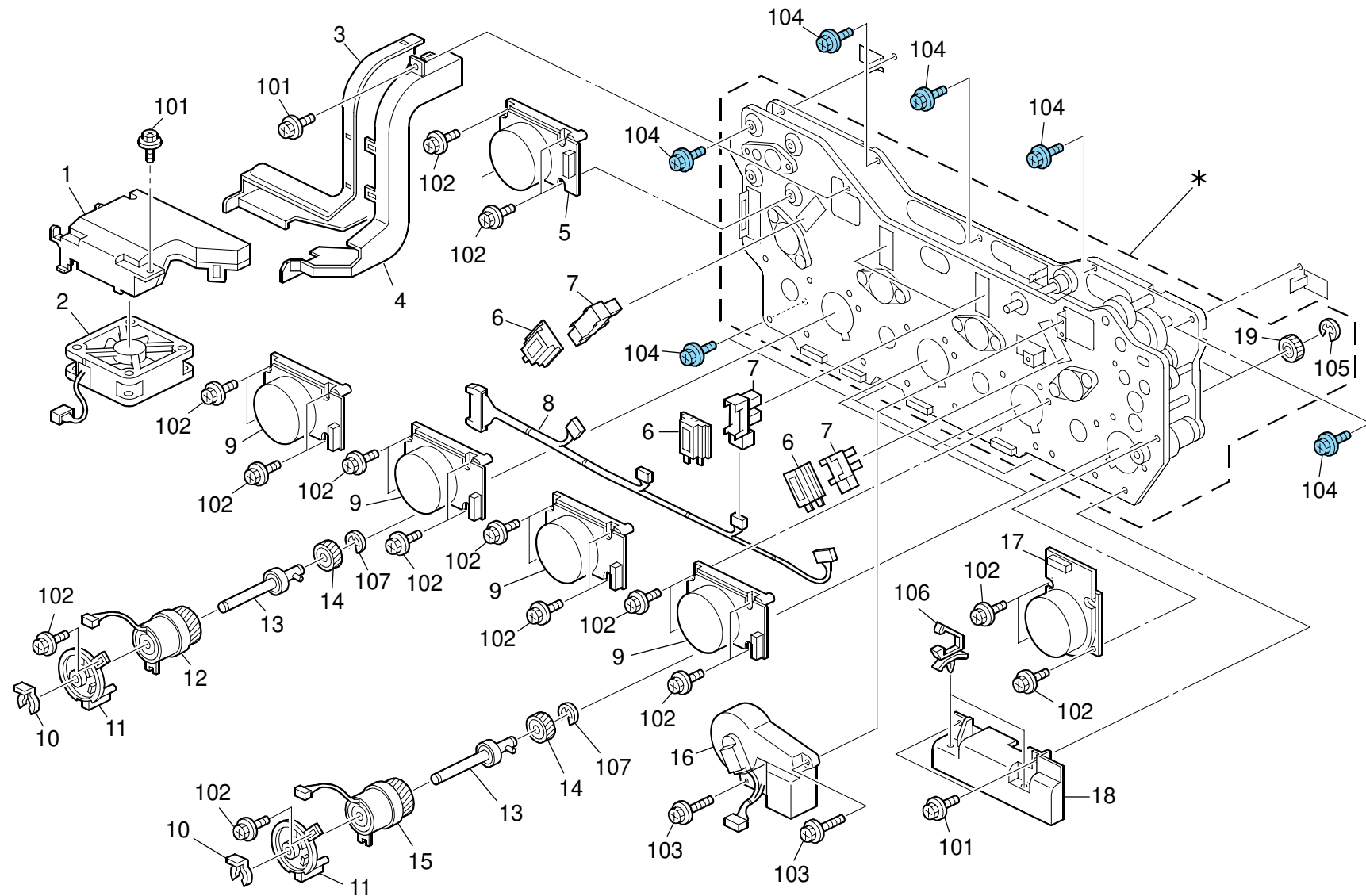


43.Controller Unit (B222/B224)

Index No.	Part No.	Description	Q'ty Per Assembly
1	B223 5736	Harness:HDD:Power Source	1
2	B223 5734	Harness:HDD:Raid:Upper	1
3	B223 5735	Harness:HDD:Raid:Lower	1
4	AX31 0045	Total Counter:7FIG:24V	1
5	B224 5740	PCB:Controller	1
6	G108 5020	PCB:DDR-DIMM:512Mb	2
7	B223 5090	HDD Unit	1
8	B837 5700	Fan Motor:MM40x10:NMB:1604KL-01W	1
9	B223 5827	Bracket:Fan:Control Board	1
10	B223 5822	Supporter:Lower	1
11	B223 5864	Gasket:EGUN1-0205:L45	2
12	B223 5862	Gasket:EGUN1-0105:L240	1
13	B223 5821	Rack:Inner Back:Auxiliary:Left Lower	1
14	B223 5824	Cover:Sd-card	1
15	B101 5993	Interface Panel	2
16	B223 5823	Grip:Rack:Left Lower	1
17	G108 5108	Right Guide 1	1
18	G108 5107	Left Guide 1	1
19	B837 5001	SD-Card:Printer/Scanner	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	0451 3006N	Tapping Screw - 3x6	
102	0451 3014N	Tapping Screw:3x14	
103	0353 0060N	Bind Screw - M3x6	
104	1105 0612	Clamp:EDS-0704L-V0	

44. Drive Section 1 (B222/B224)

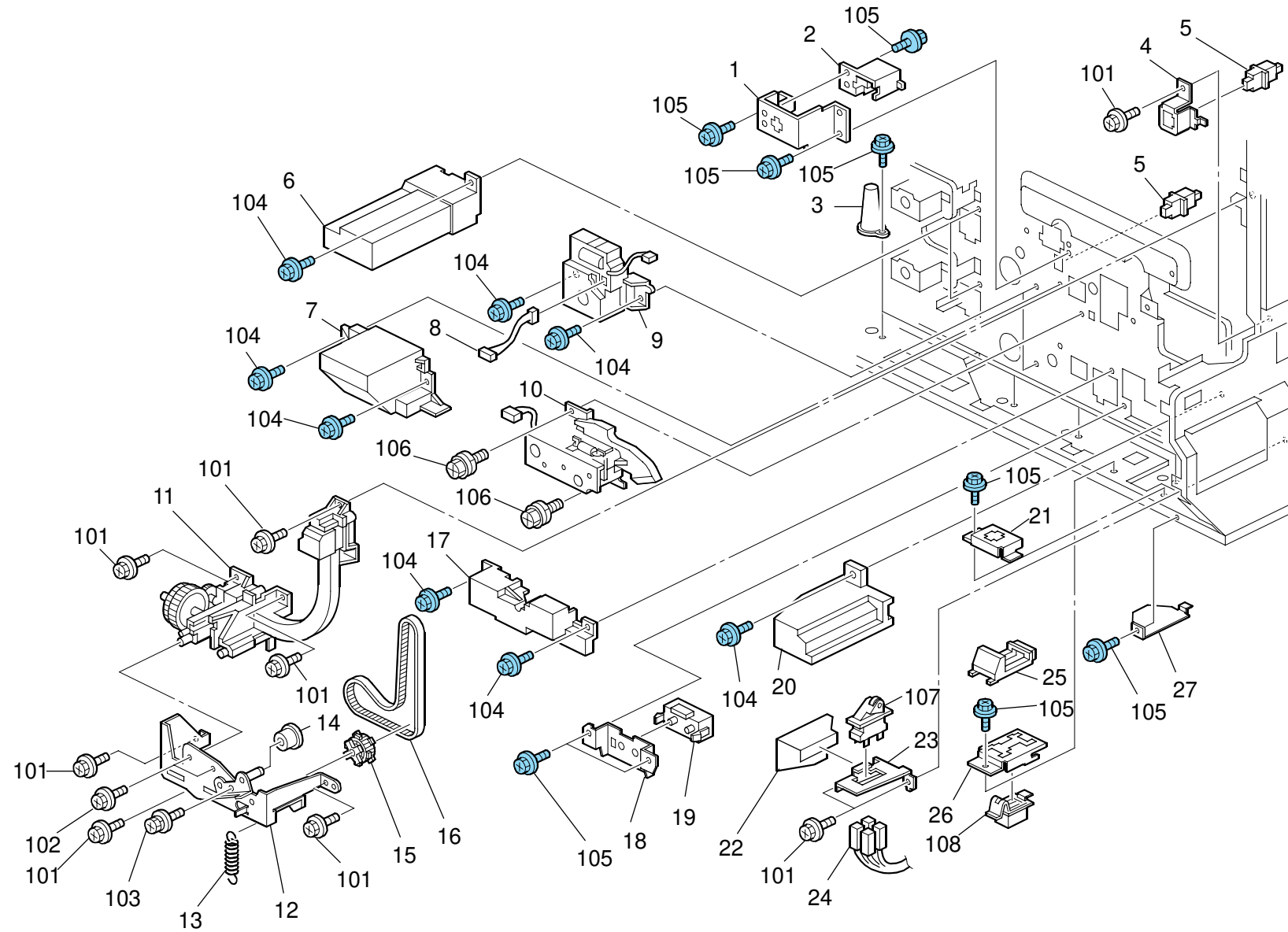


44. Drive Section 1 (B222/B224)

Index No.	Part No.	Description	Q'ty Per Assembly
*	B223 1177	Drive Unit	1
1	B223 1236	Duct:Rear:1	1
2	AX64 0179	Fan Motor:DC24V 2.4W	1
3	B223 1238	Duct:Rear:3	1
4	B223 1237	Duct:Rear:2	1
5	AX05 0249	Brushless Motor DC24V8W	1
6	B223 1144	Holder:Positioning Sensor	4
7	AW02 0145	Photointerruptor:Flat	4
8	B223 5350	Harness:IOB:Connecting:Drum:Sensor	1
9	AX06 0308	Brushless Motor:DC24V 25W	4
10	AA10 0015	Snap Ring - M6	4
11	B223 1370	Holder:Magnetic Clutch	4
12	AX20 0300	Magnetic Clutch:0.5n.m	1
13	B223 1148	Shaft:Development	4
14	AB01 0367	Gear - 23Z	4
15	AX20 0299	Magnetic Clutch:0.5n.m	3
16	B223 1199	DC Motor 24V	1
17	GX06 0015	Brushless Motor:Drive:Paper Feed	1
18	B223 1364	Guide:Harness	1
19	AB01 0368	Gear:Development:NO.4	4

Index No.	Part No.	Description	Q'ty Per Assembly
101	0451 3006N	Tapping Screw - 3x6	
102	0360 3006N	Screw - M3X6	
103	0360 3016N	Screw - M3X16	
104	0454 3006Q	Tapping Screw - M3x6	
105	0720 0060E	Retaining Ring - M6	
106	1105 0516	Clamp	
107	0720 0040E	Retaining Ring - M4	

45. Drive Section 2 (B222/B224)

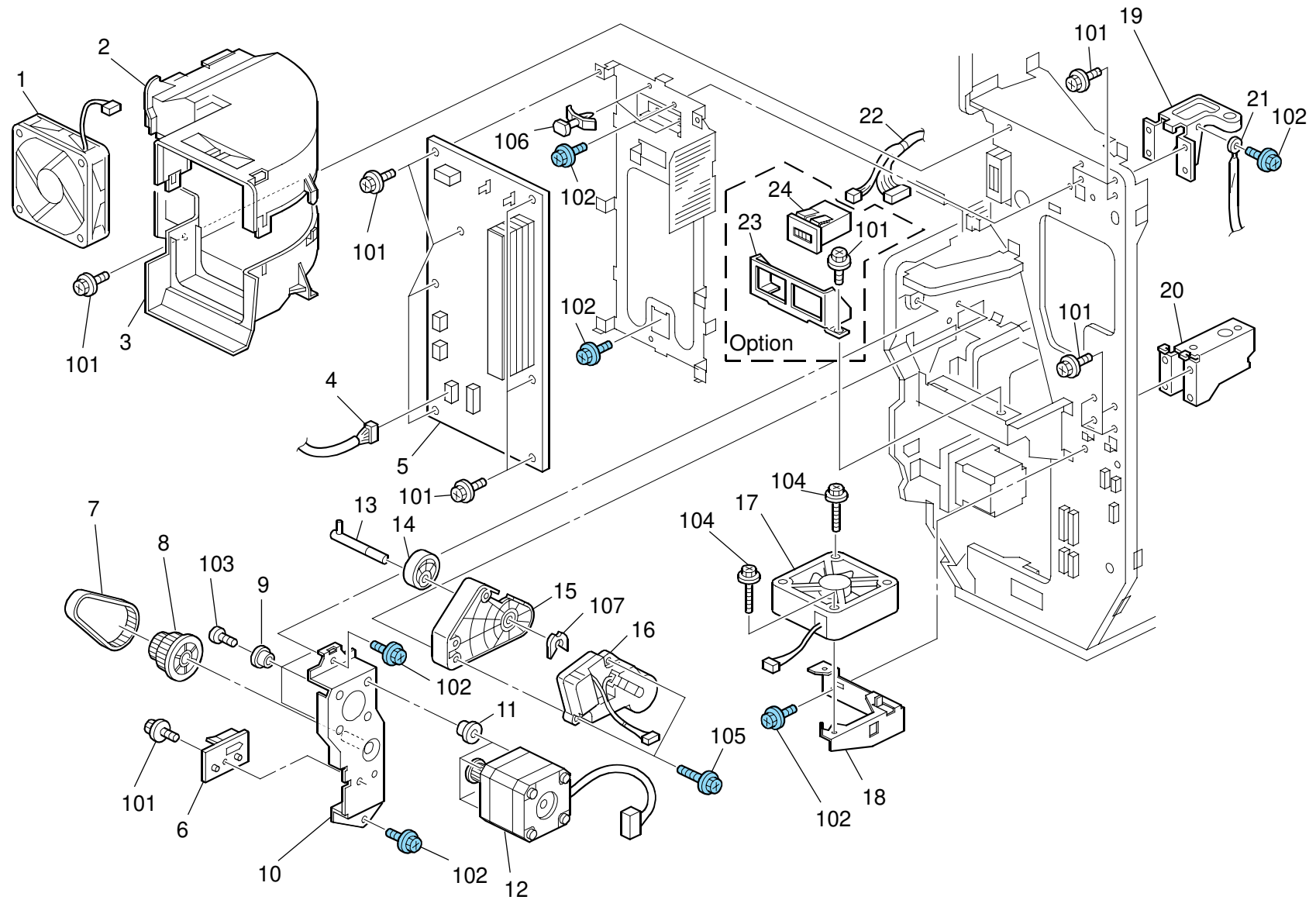


45. Drive Section 2 (B222/B224)

Index No.	Part No.	Description	Q'ty Per Assembly
1	B223 1206	Bracket:Connector:Heater	1
2	B238 1143	Guide:Connector:Heater:Imaging Unit	1
3	B238 1089	Cover - Positioning Pin	4
4	B223 6507	Set Sensor Bracket	1
5	AW50 0023	Push Switch	2
6	B238 2541	Tray Cover - Right	2
7	B238 2544	Tray Cover - Middle	1
8	B238 5325	Harness - Paper Volume Sensor	1
9	AX04 0154	DC Motor 24V	2
10	B223 2730	Paper Tray Stopper Ass'y	1
11	B223 6481	Rear Pipe Ass'y	1
12	B223 1174	Drive Unit:Collection Bottle	1
13	AA06 0722	Tension Spring	1
14	AB03 0551	Pulley:Idler:Fusing	1
15	AB03 0783	Pulley - 34T	1
16	AA04 3583	Timing Belt - S2M460	1
17	B223 2722	Cover	1
18	B223 2721	Bracket:Push Switch	1
19	AW50 0038	Push Switch:Paper Size Sensor	1
20	B238 2543	Cover - Tray Left	1
21	B223 5848	Bracket:Base:Connector	1
22	B238 5828	Main Switch Sheet	1
23	B238 5827	Main Switch Bracket	1
24	B223 5330	Harness:AC:Switch	1
25	B238 1088	Cover - Connector	1
26	B223 1065	Connector Bracket	1
27	B223 5849	Cover:Connector:Heater	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	0451 3006N	Tapping Screw - 3x6	
102	0450 3008N	Tapping Screw - M3x8	
103	0801 0231	Hexagonal Head Bolt W/Washer:M3x6	
104	0454 3008Q	Tapping Screw:3x8	
105	0454 3006Q	Tapping Screw - M3x6	
106	0802 5299	Tapping Screw - M3x8	
107	1204 2704	Switch - RS1A-AB11	
108	1102 8534	Connector - QR/P17-14S-B	

46. Drive Section 3 (B222/B224)

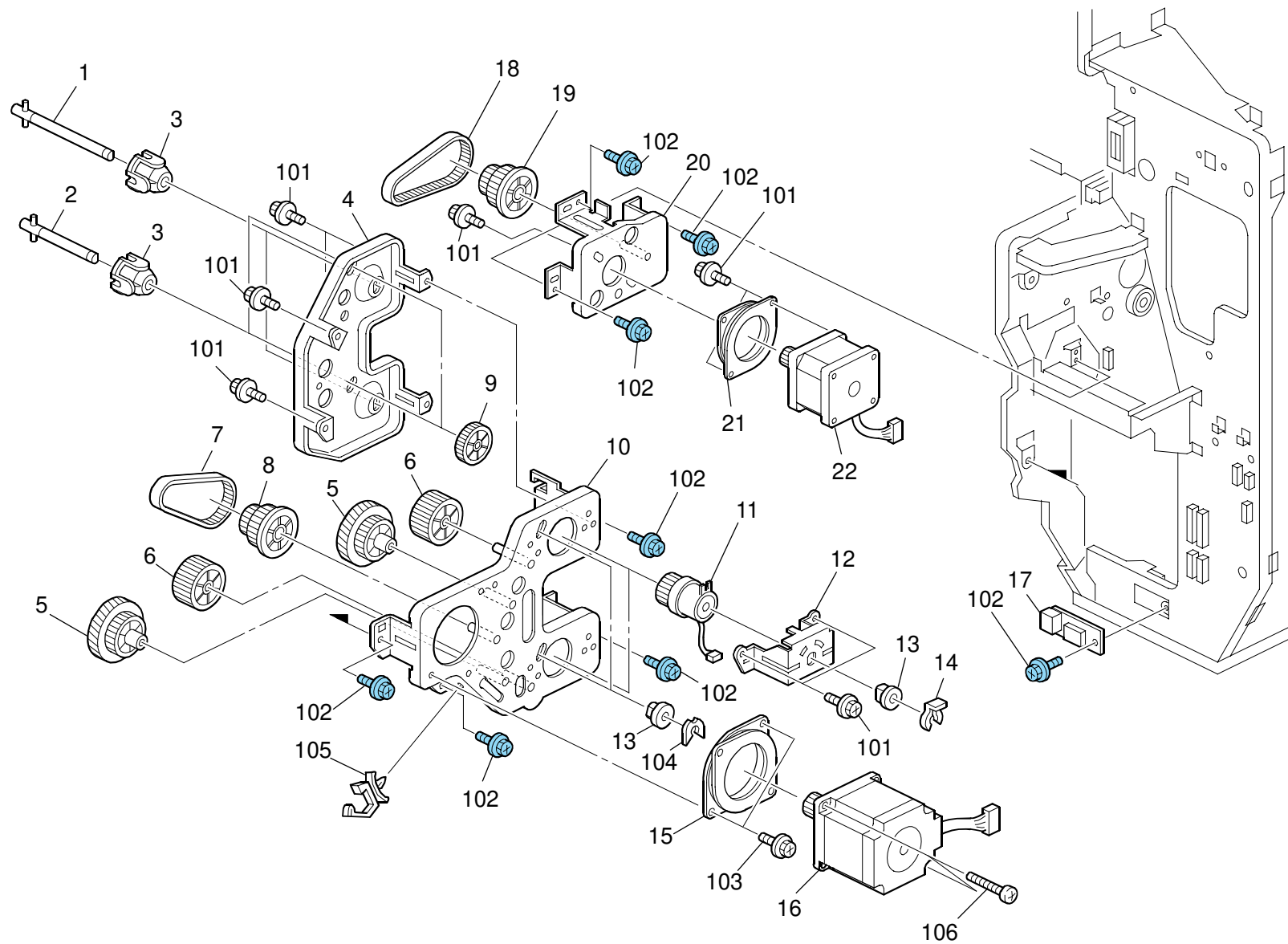


46. Drive Section 3 (B222/B224)

Index No.	Part No.	Description	Q'ty Per Assembly
1	GX64 0020	Fan Motor - DC24V	1
2	B223 1326	Duct:Fusing	1
3	B223 1327	Duct:Fusing:Rear	1
4	B223 5305	Harness:IOB:Connecting:IH	1
5	B223 5170	Invertor:IH	1
5	B223 5172	Invertor:IH:EU	1
6	B223 2694	Guide:Gear	1
7	B700 2649	Timing Belt:40S2M144	1
8	AB01 7493	Gear Pulley	1
9	B044 1825	Collar	4
10	B223 2691	Bracket:Stepper Motor	1
11	AA10 1021	Rubber Bushing - 6 45hs	4
12	B223 2685	Stepper Motor:DC24V 26.4W	1
13	B238 1225	Shaft	1
14	B238 1226	Cam	1
15	B238 1223	Holder	1
16	B223 1199	DC Motor 24V	1
17	B223 1332	Fan Motor - Mm60 DC24V	1
18	B223 5844	Bracket:Fan:Power Source:IH	1
19	B223 5841	Hinge:Application:Rack	1
20	B223 5843	Bracket:Rack:Application	1
21	B223 5866	Ground Wire:Rack:Right Lower:HF	1
22	B223 5335	Harness:IOB:Counter:Option:NA	1
23	B223 5846	Bracket:Total Counter	1
24	AX31 0045	Total Counter:7fig:24V	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	0451 3006N	Tapping Screw - 3x6	
102	0454 3006Q	Tapping Screw - M3x6	
103	0353 0080N	Screw:M3X8	
104	0451 3030N	Tapping Screw:3x30	
105	0802 5304	Tapping Screw - M3x30	
106	1105 0641	Clamp	
107	0805 0089	Retaining Ring - M4	

47. Drive Section 4 (B222/B224)

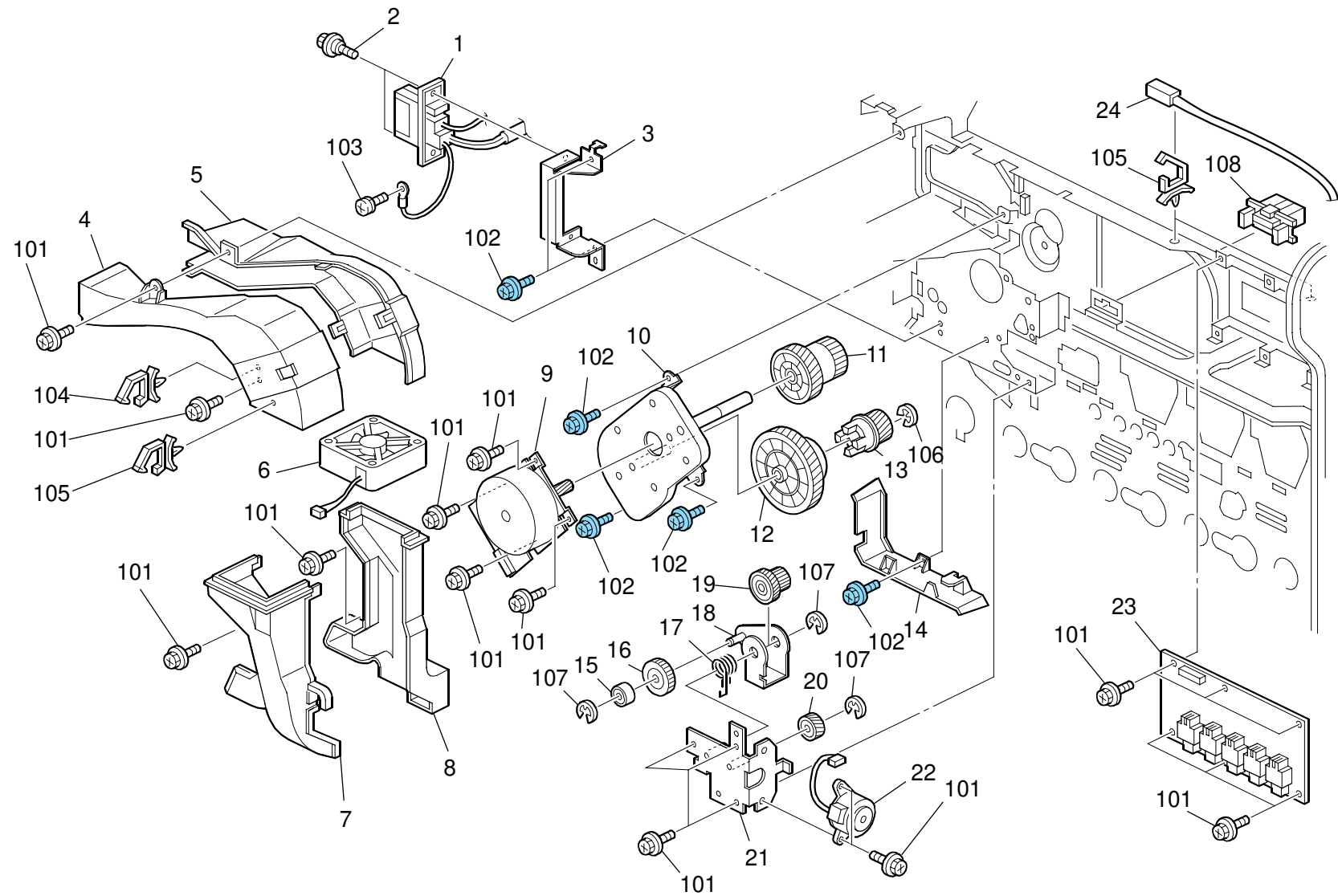


47. Drive Section 4 (B222/B224)

Index No.	Part No.	Description	Q'ty Per Assembly
1	B223 1189	Feed Drive Shaft	1
2	B223 1183	Grip Shaft	1
3	B223 1186	Drive Joint	2
4	B223 1354	Drum Stay:Drive Unit	1
5	AB01 7699	Gear - 33Z/44Z	2
6	AB01 1258	Gear - 38Z	2
7	AA04 3585	Timing Belt:40S3M162	1
8	AB03 0781	Timing Pulley - 28Z/30T	1
9	AB01 1259	Gear - 32Z	2
10	B223 1180	Bracket:Paper Feed	1
11	AX20 0289	Magnetic Clutch - 32z	2
12	B223 1187	Magnetic Clutch Bracket	2
13	GA08 0002	Bushing - 6mm	4
14	5447 2681	Snap Ring	2
15	AA16 1164	Cushion:Stepper Motor	1
16	B223 1188	Stepper Motor DC24V	1
17	AW14 0012	Temperature & Humidity Sensor	1
18	AA04 3601	Timing Belt - B40S2M118	1
19	AB03 0744	Timing Pulley - 27Z/40T	1
20	B223 1191	Bracket:Drive Unit:Registration	1
21	A232 4666	Cushion - Stepper Motor	1
22	B223 1350	Stepper Motor DC5.06V	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	0451 3006N	Tapping Screw - 3x6	
102	0454 3006Q	Tapping Screw - M3x6	
103	0451 4008N	Tapping Screw:4x8	
104	0805 0089	Retaining Ring - M4	
105	1105 0488	Harness Clamp	
106	0434 0100N	Tapping Screw - 4x10	

48. Drive Section 5 (B222/B224)

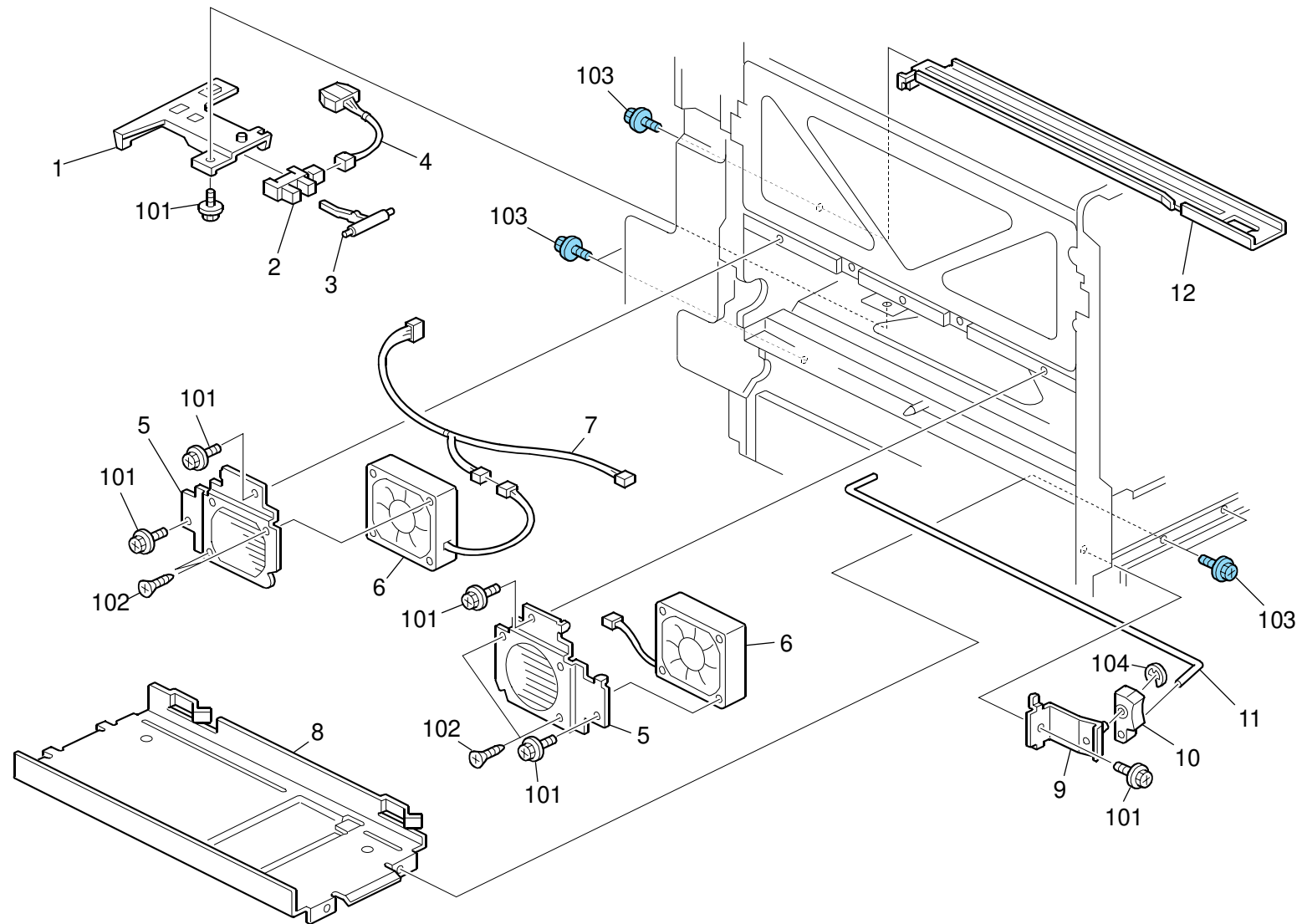


48. Drive Section 5 (B222/B224)

Index No.	Part No.	Description	Q'ty Per Assembly
1	B223 5361	Harness:Fusing Unit (120V)	1
1	B223 5362	Harness:Fusing Unit (230V)	1
2	AA14 3576	Screw:M3	2
3	B223 1069	Bracket:Drawer	1
4	B223 1342	Duct:Supply:Rear	1
5	B223 1341	Duct:Supply:Front	1
6	B223 1332	Fan Motor - Mm60 DC24V	1
7	B223 1324	Duct:IH:Rear	1
8	B223 1323	Duct:IH:Front	1
9	GX06 0015	Brushless Motor:Drive:Paper Feed	1
10	B223 1195	Bracket:Fusing Drive Sub-unit:Ass'y	1
11	AB01 0377	Gear:Z27/Z78	1
12	AB01 0375	Gear:Z120	1
13	AB01 0376	Gear:Z27	1
14	B223 1362	Cover:Fusing Drive Unit:Lower	1
15	B223 4343	Ring:Gear:Heat Roller	1
16	AB01 1264	Gear:Z24	1
17	AA06 6178	Spring	1
18	B223 4315	Bracket:Drive:Gear	1
19	AB01 7706	Gear:Z16/Z40	1
20	AB01 0138	Gear:Z28	1
21	B223 4318	Bracket:Stepper Motor	1
22	B223 4317	Stepper Motor:DC24V 24.3W	1
23	AZ32 0154	Power Pack:TTS:APO-C/P	1
24	B223 5342	Harness:AC:Scanner:Heater	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	0451 3006N	Tapping Screw - 3x6	
102	0454 3006Q	Tapping Screw - M3x6	
103	0954 4008N	Screw - M4X8	
104	1105 0487	Harness Clamp	
105	1105 0516	Clamp	
106	0720 0060E	Retaining Ring - M6	
107	0720 0040E	Retaining Ring - M4	
108	1102 9782	Connector:51405-1819	

49.Frame Section 1 (B222/B224)

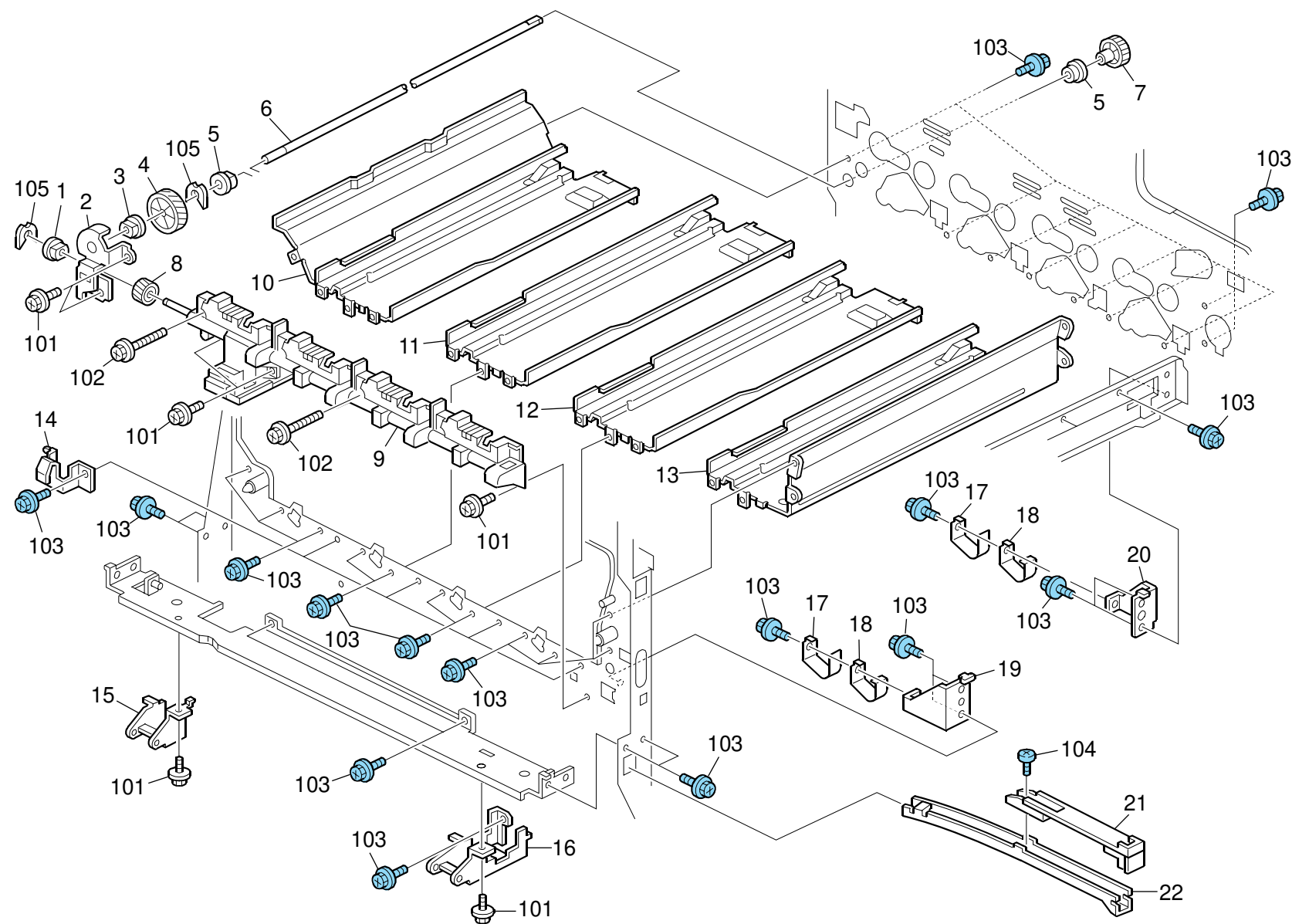


49.Frame Section 1 (B222/B224)

Index No.	Part No.	Description	Q'ty Per Assembly
1	B223 6502	Used Toner Sensor Bracket	1
2	AW02 0160	Paper Feed Sensor	1
3	B223 6503	Used Toner Sensor Feeler	1
4	B238 5313	Harness - Used Toner Sensor	1
5	B223 1331	Bracket:Fan	2
6	B223 1332	Fan Motor - Mm60 DC24V	2
7	B223 5311	Harness:IOB:Fan Motor	1
8	B223 6496	Collection Bottle Rail	1
9	B238 5821	Bracket - Main Switch Handle	1
10	B238 5824	Slide Switch Cover	1
11	B238 5825	Power Source Switch Link	1
12	B223 6198	Cleaning Unit Rail	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	0451 3006N	Tapping Screw - 3x6	
102	0802 5308	Tapping Scre:Fan	
103	0454 3006Q	Tapping Screw - M3x6	
104	0720 0030E	Retaining Ring - M3	

50.Frame Section 2 (B222/B224)

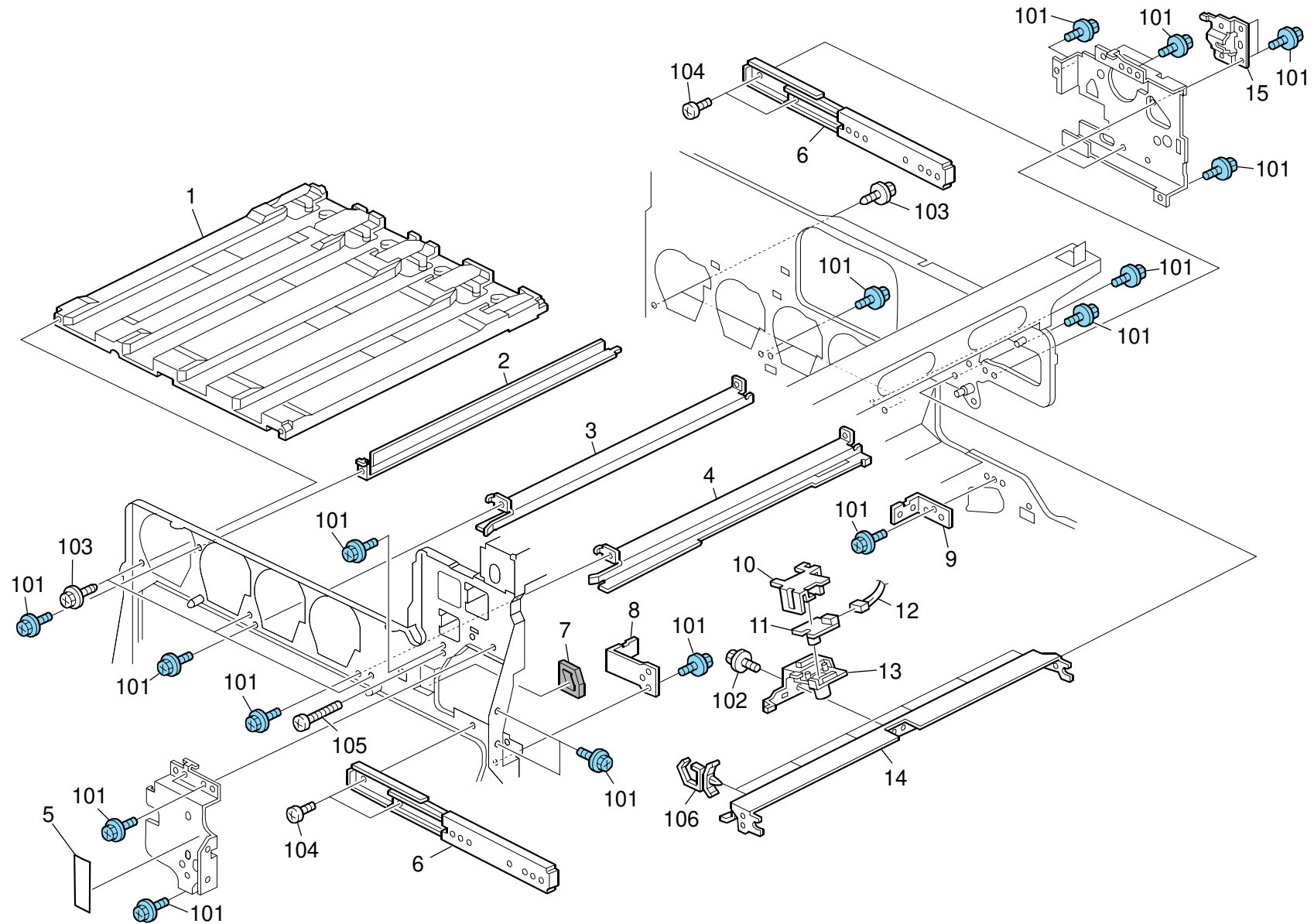


50.Frame Section 2 (B222/B224)

Index No.	Part No.	Description	Q'ty Per Assembly
1	B223 6464	Bushing - 6x10x6	1
2	B223 6471	Transport Screw Bracket	1
3	B223 6475	Bushing - 5x 10x2.5	1
4	B223 6472	Gear - 21Z	1
5	B223 6476	Bushing - Dia5	2
6	B223 6473	Transport Screw Shaft	1
7	B223 6474	Gear - 29Z	1
8	B223 6463	Gear - 20Z	1
9	B223 6451	Pipe:Front:Ass'y	1
10	B223 1087	Separation Plate - Upper Left	1
11	B223 1084	Separation Plate - Upper Middle Left	1
12	B223 1080	Separation Plate - Upper Middle Right	1
13	B223 1076	Separation Plate - Upper Right	1
14	B223 6467	Lever Bracket	4
15	B223 1103	Bracket:Hinge:Left	1
16	B223 1102	Bracket:Grip:Right Front	1
17	B223 1899	Imaging Unit Plate - Outer	2
18	B223 1898	Imaging Unit Plate - Inner	2
19	B223 1896	Imaging Unit Plate - Front	1
20	B223 1897	Imaging Unit Plate - Rear	1
21	B223 1245	Cap:Grip	1
22	B223 1101	Grip:Front	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	0451 3006N	Tapping Screw - 3x6	
102	0451 3016N	Tapping Screw - 3x16	
103	0454 3006Q	Tapping Screw - M3x6	
104	0802 5305	Tapping Screw - M3x6	
105	0805 0089	Retaining Ring - M4	

51.Frame Section 3 (B222/B224)



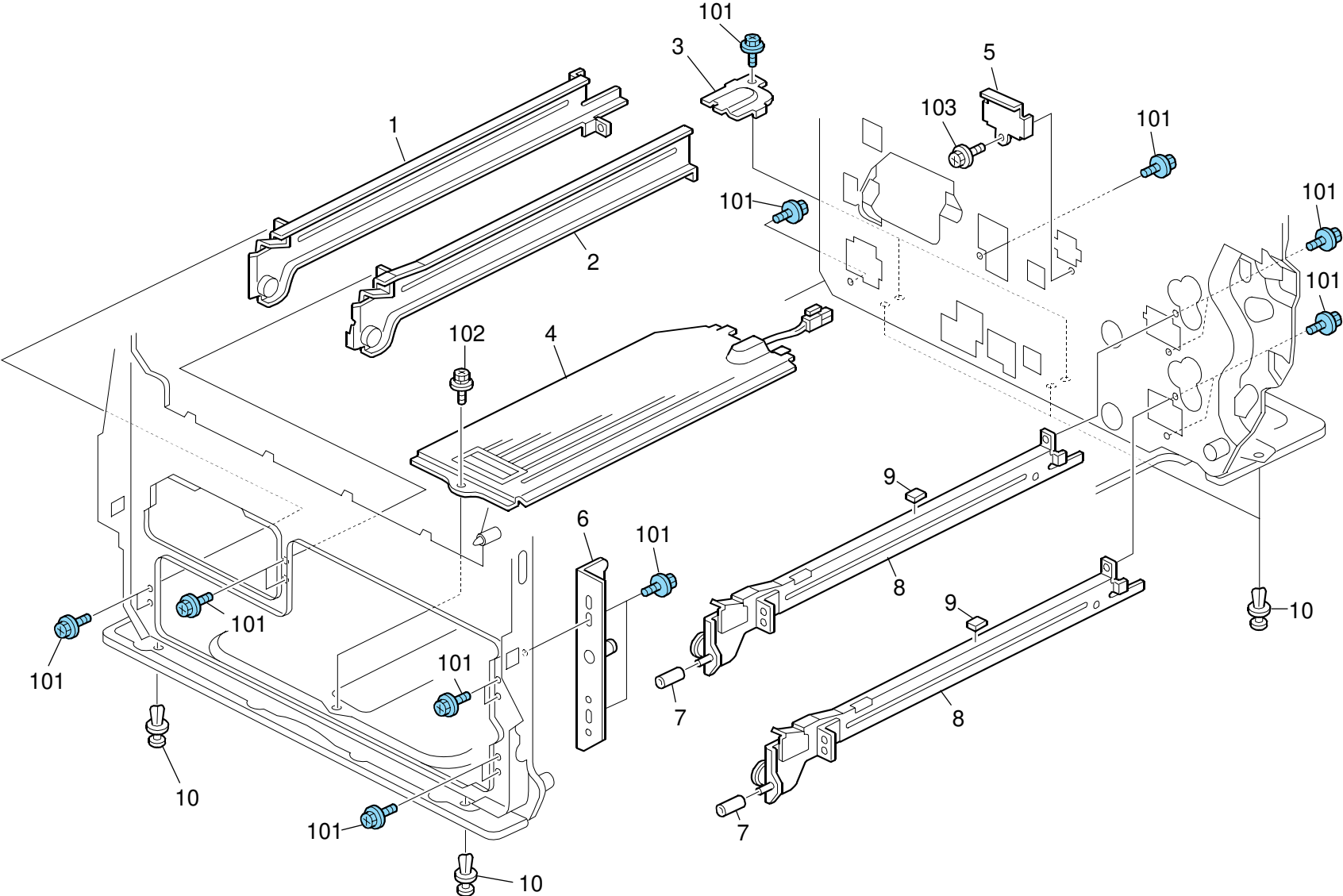
51.Frame Section 3 (B222/B224)



Index No.	Part No.	Description	Q'ty Per Assembly
1	B223 3305	Toner Cartridge Unit	1
2	B223 3328	Toner Cartridge Guide	1
3	B223 6145	Rail:Left:Intermediate Transfer	1
4	B223 6146	Rail:Right:Intermediate Transfer	1
5	B223 4342	Sheet:Harness	1
6	AA07 0080	Slide Rail:Fusing Unit	2
7	B223 1344	Sponge:IH:Fan	1
8	B223 1067	Bracket:Sensor:Front	1
9	B223 1068	Bracket:Sensor:Rear	1
10	B223 4331	Cover:Thermopile	1
11	AW10 0106	Thermopile	1
12	B223 5312	Harness:IOB:Fusing:Thermopile	1
13	B223 4332	Holder:Thermopile	1
14	B223 4314	Stay:Temperature Sensor:Fusing	1
15	B223 4391	Positioning Plate:Fusing Unit	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	0454 3006Q	Tapping Screw - M3x6	
102	0451 3006N	Tapping Screw - 3x6	
103	0450 3008N	Tapping Screw - M3x8	
104	0353 0040N	Screw - M3X4	
105	0353 0120N	Screw M3x12	
106	1105 0487	Harness Clamp	

52.Frame Section 4 (B222/B224)



52.Frame Section 4 (B222/B224)

Index No.	Part No.	Description	Q'ty Per Assembly
1	B223 2710	Supporter - Left No.2	1
2	B223 2705	Supporter - Left No.1	1
3	B238 1066	Rubber Foot Cover	2
4	B223 2702	Heat Sink:Heater:NA	1
4	B223 2703	Heat Sink:Heater:EU	1
5	B223 1207	Cover:Connector:Heater	1
6	B223 1120	Bracket:Paper Feed Unit	1
7	B223 2714	Positioning Cap - Short	2
8	B223 2715	Supporter - Right	2
9	AA16 1163	Cushion	2
10	B101 1097	Rubber Foot:H5	6

Index No.	Part No.	Description	Q'ty Per Assembly
101	0454 3006Q	Tapping Screw - M3x6	
102	0802 5299	Tapping Screw - M3x8	
103	0451 3006N	Tapping Screw - 3x6	

53.IOB Board (B222/B224)

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	252	---	---	C21	255	C31	255	C41	189	C51	255	C61	255
C2	188	C12	182	C22	255	C32	188	C42	189	C52	250	C62	188
C3	188	C13	255	C23	249	C33	255	C43	182	C53	188	C63	255
C4	255	C14	255	C24	249	C34	194	C44	182	C54	250	C64	255
C5	189	C15	253	C25	255	C35	188	C45	251	C55	250	C65	188
C6	253	C16	253	C26	188	C36	188	C46	251	C56	188	C66	188
C7	185	C17	255	C27	255	C37	255	C47	253	C57	255	C67	248
C8	185	C18	255	C28	188	C38	188	---	---	C58	188	C68	255
C9	185	C19	252	C29	188	---	---	---	---	C59	188	C69	188
C10	182	C20	255	C30	255	C40	183	C50	255	C60	255	C70	255

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.
C71	188	C81	182	C91	255	C101	188	C111	188	C121	255	C131	188
C72	188	C82	254	C92	188	C102	255	C112	255	C122	255	C132	255
C73	255	C83	184	C93	255	C103	255	C113	255	C123	188	C133	255
C74	255	C84	188	C94	255	C104	188	C114	186	C124	188	C134	254
C75	255	C85	188	C95	188	C105	255	C115	255	C125	188	C135	255
---	---	C86	255	C96	255	C106	194	C116	255	C126	188	C136	255
C77	255	C87	253	C97	255	C107	255	C117	255	C127	255	C137	255
C78	188	C88	255	C98	255	C108	248	C118	188	C128	194	C138	255
C79	187	C89	194	C99	188	C109	188	C119	188	C129	255	C139	188
C80	189	C90	255	C100	188	C110	255	C120	188	C130	255	C140	188

53.IOB Board (B222/B224)

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	255	C151	255	---	---	C171	188	C181	188	C191	255	C201	255
C142	248	C152	188	C162	251	C172	188	C182	251	C192	188	C202	255
C143	255	C153	255	C163	255	C173	188	C183	251	C193	188	C203	188
C144	188	---	---	C164	188	C174	188	C184	255	C194	255	C204	188
C145	188	C155	183	C165	252	C175	188	C185	255	C195	255	C205	253
C146	188	C156	255	C166	252	C176	252	C186	255	C196	255	C206	253
C147	188	C157	251	C167	252	C177	188	C187	251	C197	255	C207	188
C148	188	C158	253	---	---	C178	252	C188	255	C198	255	C208	252
C149	254	C159	188	C169	188	C179	252	C189	188	C199	255	C209	251
C150	188	C160	251	C170	188	C180	255	C190	252	C200	255	C210	252

CAPACITOR

SYMBOL NO.	INDEX NO.
C211	255
C212	188
C213	188
C214	252
C215	194

CA

SYMBOL NO.	INDEX NO.
CA1	193
CA2	192
CA3	192
CA4	193
CA5	193
CA6	193
CA7	193
CA8	191
CA9	191
CA10	191

SYMBOL NO.	INDEX NO.
CA11	191
CA12	193
CA13	190
CA14	190
---	---
CA16	193
CA17	193
CA18	193
CA19	193
---	---

SYMBOL NO.	INDEX NO.
---	---
---	---
CA23	193
CA24	192
CA25	192
CA26	193
CA27	193
CA28	193
CA29	193
CA30	193

SYMBOL NO.	INDEX NO.
CA31	192

CONNECTOR

SYMBOL NO.	INDEX NO.
CN201	103
---	---
CN203	130
CN204	129
CN205	120
---	---
---	---
CN208	128
CN209	114
CN210	125

SYMBOL NO.	INDEX NO.
---	---
CN212	112
---	---
CN214	120
CN215	115
CN216	126
CN217	117
CN218	119
CN219	113
---	---

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CONNECTOR

SYMBOL NO.	INDEX NO.
CN221	122
CN222	124
CN223	121
CN224	123
CN225	127
---	---
CN227	109
CN228	130
CN229	132
---	---

SYMBOL NO.	INDEX NO.
---	---
CN232	110
CN233	102
CN234	104
---	---
CN236	112
CN237	106
CN238	107
CN239	107
---	---

SYMBOL NO.	INDEX NO.
CN241	101
CN242	108
CN243	105
CN244	111
---	---
---	---
---	---
---	---
---	---
---	---

SYMBOL NO.	INDEX NO.
---	---
---	---
CN253	124
CN254	104
---	---
---	---
---	---
---	---
---	---

SYMBOL NO.	INDEX NO.
---	---
CN262	118
CN263	119
CN264	119
CN265	121
CN266	123
CN267	116
CN268	131

DIODE

SYMBOL NO.	INDEX NO.
D1	145
---	---
D3	145
D4	145
D5	145
D6	145
D7	145
D8	145
---	---
D10	144

SYMBOL NO.	INDEX NO.
D11	144
D12	145
D13	145
D14	146
D15	145
D16	145
D17	143
D18	143
D19	145
D20	145

FILTER

SYMBOL NO.	INDEX NO.
FIL4	195

IC

SYMBOL NO.	INDEX NO.
IC1	160
IC2	160
IC3	160
IC4	160
IC5	170
IC6	169
IC7	156
IC8	154
---	---
IC10	168

SYMBOL NO.	INDEX NO.
IC11	168
IC12	152
IC13	152
IC14	152
IC15	152
IC16	155
IC17	155
IC18	167
IC19	151
IC20	166

SYMBOL NO.	INDEX NO.
IC21	153
IC22	161
IC23	161
IC24	161
IC25	162
IC26	156
IC27	154
IC28	171
IC29	156
---	---

SYMBOL NO.	INDEX NO.
IC31	165
IC32	152
IC33	163
IC34	164
IC35	152
IC36	153
IC37	158
IC38	153
IC39	155
IC40	155

SYMBOL NO.	INDEX NO.
IC41	153
IC42	157
IC43	157
---	---
---	---
IC46	159
---	---
---	---
---	---
IC50	163

SYMBOL NO.	INDEX NO.
IC51	167
IC52	156
IC53	152

53.IOB Board (B222/B224)

LED

SYMBOL NO.	INDEX NO.
LED1	150
LED2	149

OSC

SYMBOL NO.	INDEX NO.
OSC1	173

Q

SYMBOL NO.	INDEX NO.
Q1	134
Q2	142
Q3	136
Q4	136
Q5	136
Q6	136
Q7	134
Q8	134
Q9	139
Q10	136

SYMBOL NO.	INDEX NO.
Q11	138
Q12	138
Q13	138
Q14	138
Q15	137
Q16	140
Q17	137
Q18	133
Q19	135
---	---

SYMBOL NO.	INDEX NO.
---	---
---	---
---	---
Q24	141
Q25	134
Q26	134
Q27	134
Q28	134
---	---
---	---

SYMBOL NO.	INDEX NO.
Q31	133
Q32	133
Q33	134
Q34	140
Q35	134
Q36	134

RESISTOR

SYMBOL NO.	INDEX NO.
R1	210
R2	209
R3	210
R4	209
R5	210
R6	214
R7	214
R8	214
R9	214
R10	236

SYMBOL NO.	INDEX NO.
R11	209
R12	210
R13	236
R14	211
R15	211
R16	214
R17	214
R18	214
R19	214
R20	209

RESISTOR

SYMBOL NO.	INDEX NO.
R21	209
R22	203
R23	203
R24	236
R25	203
R26	209
R27	236
R28	239
R29	210
R30	210

SYMBOL NO.	INDEX NO.
R31	210
R32	203
R33	210
R34	210
R35	233
R36	229
R37	210
R38	210
R39	210
R40	198

SYMBOL NO.	INDEX NO.
---	---
R42	219
R43	210
R44	220
R45	210
R46	210
R47	225
R48	218
R49	210
R50	221

SYMBOL NO.	INDEX NO.
R51	221
R52	225
R53	219
R54	223
R55	223
R56	210
R57	224
R58	224
R59	210
R60	210

SYMBOL NO.	INDEX NO.
---	---
R62	210
R63	207
R64	225
R65	210
R66	210
R67	210
---	---
R69	207
R70	210

SYMBOL NO.	INDEX NO.
R71	210
R72	224
R73	224
R74	221
R75	221
R76	209
R77	222
R78	210
R79	213
R80	220

SYMBOL NO.	INDEX NO.
R81	209
R82	222
R83	225
R84	225
R85	226
R86	226
R87	224
R88	209
R89	209
R90	210

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RESISTOR

SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.
R91	210	R101	207	---	---	R121	219	R131	225	R141	210	R151	210
R92	227	R102	210	R112	210	R122	210	R132	209	R142	212	R152	219
R93	246	R103	210	R113	225	R123	219	R133	210	R143	209	R153	210
R94	229	---	---	R114	210	R124	210	R134	210	R144	225	R154	210
R95	209	R105	210	R115	225	R125	219	R135	209	R145	209	R155	210
R96	210	R106	207	R116	210	R126	219	R136	210	R146	210	R156	203
R97	200	---	---	R117	225	R127	219	R137	209	R147	225	---	---
R98	225	R108	210	R118	210	R128	210	R138	210	R148	225	R158	203
R99	200	R109	207	R119	224	R129	219	R139	210	R149	225	R159	210
R100	209	R110	210	R120	209	R130	225	R140	210	R150	210	R160	209

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	210	---	---	R191	211	R201	203	R211	219	R221	221
---	---	R172	210	R182	210	R192	216	R202	203	R212	210	R222	221
R163	210	R173	209	R183	206	R193	216	R203	203	---	---	R223	221
R164	210	R174	205	R184	210	R194	210	R204	203	---	---	R224	210
R165	210	R175	210	R185	209	R195	209	R205	221	R215	210	R225	203
R166	210	R176	220	R186	210	R196	225	R206	210	R216	210	R226	210
R167	221	R177	220	R187	209	R197	210	R207	221	---	---	R227	210
R168	221	R178	222	R188	209	R198	225	R208	224	R218	210	R228	210
R169	225	R179	209	R189	210	R199	222	R209	210	---	---	R229	203
R170	209	R180	202	R190	209	R200	209	R210	209	R220	221	R230	241

53.IOB Board (B222/B224)

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.
R231	231	R241	210	R251	210	R261	210	R271	209	R281	210	R291	210
R232	227	R242	210	R252	203	R262	224	R272	209	R282	210	R292	210
R233	210	R243	210	R253	218	R263	210	R273	210	R283	217	R293	210
R234	210	R244	224	R254	221	R264	225	R274	210	R284	221	R294	225
R235	210	R245	209	R255	221	R265	219	R275	210	R285	221	R295	210
R236	210	R246	209	R256	209	R266	219	R276	210	R286	221	R296	203
R237	209	R247	209	R257	209	R267	219	R277	213	R287	210	---	---
R238	228	R248	210	R258	210	R268	210	R278	219	R288	210	R298	215
R239	224	R249	210	R259	210	R269	224	R279	210	R289	209	R299	222
R240	210	R250	203	R260	209	R270	209	R280	203	R290	210	R300	235

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.
R301	243	R311	210	R321	204	---	---	R341	225	R351	236	R361	210
R302	242	R312	243	R322	209	---	---	R342	210	R352	239	R362	223
R303	203	R313	240	R323	204	---	---	---	---	R353	245	R363	205
---	---	R314	230	R324	210	R334	245	R344	201	R354	211	R364	210
R305	243	R315	210	R325	204	R335	209	R345	209	R355	223	R365	210
R306	234	R316	210	R326	210	R336	225	R346	210	---	---	R366	210
R307	247	R317	199	R327	204	---	---	R347	210	R357	210	R367	220
R308	243	R318	232	R328	238	R338	207	R348	209	---	---	R368	220
R309	237	R319	209	R329	236	R339	225	R349	236	R359	210	R369	209
R310	244	R320	210	R330	236	R340	225	R350	209	R360	210	R370	208

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RESISTOR

SYMBOL NO.	INDEX NO.
R371	208
R372	208

REG

SYMBOL NO.	INDEX NO.
REG1	172

RN

SYMBOL NO.	INDEX NO.
RN1	174
RN2	179
RN3	181
RN4	181
RN5	174
RN6	179
RN7	179
RN8	174
RN9	174
RN10	174

SYMBOL NO.	INDEX NO.
RN11	174
RN12	174
RN13	174
RN14	179
RN15	179
RN16	179
RN17	196
RN18	174
RN19	174
RN20	179

SYMBOL NO.	INDEX NO.
RN21	174
RN22	174
RN23	174
RN24	174
RN25	179
RN26	175
RN27	176
RN28	176
RN29	176
RN30	176

SYMBOL NO.	INDEX NO.
RN31	175
RN32	175
RN33	179
RN34	196
RN35	179
RN36	174
RN37	179
RN38	174
RN39	179
RN40	196

SYMBOL NO.	INDEX NO.
RN41	179
RN42	196
RN43	174
RN44	196
RN45	174
RN46	176
RN47	176
RN48	176
RN49	176
RN50	176

SYMBOL NO.	INDEX NO.
RN51	174
RN52	176
RN53	176
RN54	196
RN55	196
RN56	178
RN57	178
RN58	178
RN59	178
RN60	174

RN

SYMBOL NO.	INDEX NO.
RN61	176
RN62	174
RN63	178
RN64	178
RN65	196
RN66	174
RN67	174
RN68	176
RN69	176
RN70	179

SYMBOL NO.	INDEX NO.
RN71	179
RN72	197
RN73	179
RN74	179
RN75	174
RN76	174
RN77	179
RN78	177
RN79	177
RN80	177

SYMBOL NO.	INDEX NO.
RN81	176
RN82	176
RN83	175
RN84	174
RN85	174
RN86	174
RN87	174
RN88	175
RN89	179
RN90	174

SYMBOL NO.	INDEX NO.
RN91	174
RN92	174
RN93	174
RN94	174
RN95	175
RN96	175
RN97	176
RN98	176
---	---
RN100	176

SYMBOL NO.	INDEX NO.
RN101	176
RN102	176
RN103	174
RN104	179
RN105	180
RN106	174
RN107	178
RN108	178
RN109	179
RN110	174

SYMBOL NO.	INDEX NO.
RN111	179
RN112	179
RN113	196
RN114	179

ZD

SYMBOL NO.	INDEX NO.
ZD1	147
ZD2	147
ZD3	147
ZD4	147
ZD5	148

53.IOB Board (B222/B224)

Index No.	Part No.	Description	Q'ty Per Assembly
*	B223 5120	PCB:IOB	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	1102 6300	Connector - 7P	
102	1102 6397	Box Header	
103	1102 6594	Connector - 10P	
104	1102 8470	Connector - 55447-0610	
105	1102 8471	Connector - 55447-071	
106	1102 8472	Connector - 55447-0810	
107	1102 8477	Connector - 13P	
108	1102 8479	Connector - 15P	
109	1102 8480	Connector - 55447-1610	
110	1102 8481	Connector - 55447-1760	
111	1102 8484	Connector:55447-2080	
112	1102 8488	Connector - 5451-2810	
113	1102 8490	Connector:55451-3210	
114	1102 8491	Connector - 55451-3410	
115	1102 8494	Connector - 55451-4010	
116	1102 8623	Connector:292207-2	
117	1102 8781	Connector - 1-292207-2	
118	1102 8933	Connector:292207-5	
119	1102 9108	Connector - 353297-3	
120	1102 9109	Connector - 353297-4	
121	1102 9110	Connector - 353297-6	
122	1102 9111	Connector - 353297-7	
123	1102 9112	Connector - 353297-8	
124	1102 9113	Connector - 1-353297-0	
125	1102 9114	Connector - 353297-1	
126	1102 9117	Connector - 353297-8	
127	1102 9119	Connector:2-353297-0	
128	1102 9120	Connector - 2-292208-2	
129	1102 9121	Connector:2-353308-4	
130	1102 9122	Connector 2-292208-6	
131	1102 9601	Connector - 5-353297-3	
132	1103 3179	Connector:FH12-50S-0.5SV(89)	
133	1400 0769	Transistor - 2SA1576A	
134	1400 0775	Transistor - 2SC4081	
135	1400 0788	Transistor:DTB113ZK	

Index No.	Part No.	Description	Q'ty Per Assembly
136	1400 0810	Transistor - DTC114EUA	
137	1400 0920	Transistor - DTC143EUA	
138	1400 0968	Transistor: DTA123JUA	
139	1400 1012	Transistor:2SD2656	
140	1400 1140	Transistor - 2SA1577R	
141	1400 1141	Transistor - 2SD1949	
142	1401 0972	Transistor-2sb1260	
143	1402 1289	Diode-array	
144	1402 1385	Diode Dap222	
145	1402 1503	Diode - 1SS400	
146	1402 1584	Diode - DAN217U	
147	1402 1663	Diode - ZTP12B	
148	1402 1952	Diode - TDZ12	
149	1403 0978	LED - SML-310DT	
150	1403 0996	LED - SML-310VT	
151	1407 1535	IC - TD62308AP	
152	1407 2187	TTLIC - SN74LS07NS	
153	1407 2219	IC - TD62003AP	
154	1407 5351	IC - SN74LV14APW	
155	1407 5392	IC:SN74LV541APW	
156	1407 5469	IC - SN74LV07APW	
157	1407 5790	CMOS Logic - SN74AHC2G08HDCU	
158	1407 6077	IC - STA7101M	
159	1407 6101	IC - SN74LVC2G17DCK	
160	1407 6167	IC - EIO	
161	1407 6181	Motor Control Ic:Stk672-600	
162	1407 6196	Motor Control Ic:Stk672-610	
163	1407 6197	Driver:M54563p	
164	1407 6314	Motor Control Ic:Tb6561ng	
165	1407 6318	CMOS Logic:SN74AHC1G00DCK	
166	1407 6395	CMOS Logic:SN74AHC2G00HDCU	
167	1408 1204	IC - TA8083P	
168	1408 1535	Transistor Array - M54585p	
169	1408 1550	IC - LM2902PW	
170	1408 1779	IC - R3112Q281A	

Index No.	Part No.	Description	Q'ty Per Assembly
171	1408 2029	Comparator:LM2901PW	
172	1408 2122	Series Regulator - R1130h331a-fb	
173	1503 1004	Oscillator - 19.6608mhz	
174	1601 7887	Resistor Array - 10K Ω $\pm$ 5% 1/32W	
175	1601 7896	Resistor Array - 56 Ω $\pm$ 5% 1/32W	
176	1601 7898	Resistor Array	
177	1601 7900	Resistor Array - 0 Ω $\pm$ 5%	
178	1601 7943	Resistor Array - 68 Ω $\pm$ 5% 1/32W	
179	1601 7959	Resistor	
180	1601 7981	Resistor Array - 100K Ω $\pm$ 5%1/16W	
181	1601 7984	Capacitor - 22K Ω $\pm$ 5% 1/16W	
182	1604 2237	Capacitor 100 μ F35v	
183	1604 4477	Capacitor - 10 μ F $\pm$ 20% 35V	
184	1604 4666	Capacitor:47mf: $\pm$ 20%:35V	
185	1604 4825	Capacitor - 220 μ F $\pm$ 20% 35V	
186	1604 5452	Capacitor:47uf: $\pm$ 20%:10V	
187	1604 5453	Capacitor:100uf: $\pm$ 20%:10V	
188	1605 1137	Capacitor - 470pF $\pm$ 10% 50V	
189	1605 1148	Capacitor - 0.1 μ F+80-20% 50V	
190	1605 1479	Capacitor - 47pF $\pm$ 10%:50V	
191	1605 1481	Capacitor:1000pF: $\pm$ 20%:50V	
192	1605 1482	Capacitor:4700pF: $\pm$ 20%:50V	
193	1605 1531	Capacitor:470pF: $\pm$ 20%:50V	
194	1605 1597	Capacitor:2.2uf:+80-20%:50V	
195	1607 1002	IC - NFM60R30T222	
196	1609 0006	Registor:10k Ω $\pm$ 5%:1/16w	
197	1609 0070	Resistor Array:1m Ω $\pm$ 5%:1/16W	
198	1610 1409	Chip Resistor - 6.8 Ω $\pm$ 5%	
199	1610 1750	Chip Resistor:1komh $\pm$ 1%:1/2w	
200	1610 1771	Chip Resistor:1 Ω $\pm$ 5%:1w	
201	1610 1947	Resistor:220 Ω $\pm$ 5%:1W	
202	1633 0000	Resistor - 0 Ω 1/10W	
203	1634 0000	Resistor - 0 Ω 1/16W	
204	1650 2680	Resistor - 68 Ω $\pm$ 5% 1/4W	
205	1650 2682	Resistor - 6.8K Ω $\pm$ 5% 1/4W	

Index No.	Part No.	Description	Q'ty Per Assembly
206	1650 3153	Resistor:15kΩ±5%:1/8W	
207	1650 4100	Resistor - 10Ω ±5% 1/10W	
208	1650 4101	Resistor - 100Ω±5%1/10W	
209	1650 4102	Resistor - 1KΩ ±5% 1/10W	
210	1650 4103	Resistor - 10KΩ ±5% 1/10W	
211	1650 4104	Resistor - 100KΩ±5%1/10W	
212	1650 4105	Resistor - 1MΩ ±5% 1/10W	
213	1650 4122	Resistor - 1.2KΩ ±5% 1/10W	
214	1650 4154	Resistor 150kΩ ±5% 1/10w	
215	1650 4161	Resistor - 160Ω ±5% 1/10W	
216	1650 4162	Resistor - 1.6KΩ ±5% 1/10W	
217	1650 4202	Resistor - 2KΩ±5%1/10W	
218	1650 4220	Chip Resistor - 22Ω ±5% 1/10w	
219	1650 4222	Resistor - 2.2KΩ±5%1/10W	
220	1650 4223	Resistor - 22KΩ±5%1/10W	
221	1650 4330	Chip Resistor - 33Ω ±5% 1/10w	
222	1650 4472	Resistor - 4.7KΩ ±5% 1/10W	
223	1650 4473	Resistor - 47KΩ±5%1/10W	
224	1650 4560	Chip Resistor - 56Ω ±5% 1/10w	
225	1650 4680	Resistor - 68Ω±5%1/10W	
226	1650 4681	Resistor - 680Ω ±5% 1/10W	
227	1654 1002	Resistor - 10KΩ±5%1/10W	
228	1654 1003	Resistor - 100KΩ±1%1/10W	
229	1654 1004	Chip Resistor - 1mΩ ±1% 1/10w	
230	1654 1101	Resistor - 1.1KΩ±1%1/10W	
231	1654 1201	Resistor - 1.2KΩ ±1% 1/10W	
232	1654 1500	Resistor - 150Ω±1 %1/10W	
233	1654 1501	Resistor - 1.5K Ω ±1% 1/10W 1608	
234	1654 1601	Chip Resistor - 1.6kΩ±1% 1/10w	
235	1654 2001	Chip Resistor - 2kΩ ±1% 1/10w	
236	1654 2002	Resistor - 20KΩ±1%1/10W	
237	1654 2401	Resistor - 2.4KΩ ±1% 1/10W	
238	1654 2741	Resistor - 2.74K Ω ±1% 1/10W	
239	1654 3741	Chip Resistor:3.74k Ω	
240	1654 4300	Resistor - 430Ω ±1% 1/10W	

Index No.	Part No.	Description	Q'ty Per Assembly
241	1654 6200	Resistor - 620Ω±1% 1/10W	
242	1654 6201	Resistor - 6.2KΩ ±1% 1/10W	
243	1654 6801	Resistor - 6.8KΩ±1% 1/10W	
244	1654 7501	Resistor - 7.5KΩ±1%1/10W-1608	
245	1654 7871	Resistor - 7.87KΩ ±1% 1/10W	
246	1654 8201	Resistor - 8.2KΩ ±1% 1/10W	
247	1654 9101	Resistor:9.1kΩ:±1%:1/10W	
248	1660 2101	Capacitor - 100pF - ±10% - 50V	
249	1660 2150	Capacitor - 15pF ±5% 50V	
250	1660 2220	Capacitor - 22pF ±20% 35V	
251	1660 2470	Capacitor - 47pF ±5% 50V	
252	1660 4102	Capacitor - 1000pF ±10% 50V	
253	1660 4472	Capacitor - 4700pF±10% 50V	
254	1660 6103	Capacitor - 10000pF - +80%-20%50V	
255	1660 8104	Capacitor - 0.1μF+80-20% 25V	

54.IPU Board (B222/B224)

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	234	C11	168	C21	169	---	---	C41	238	C51	243	C61	247
---	---	C12	169	---	---	C32	178	C42	238	---	---	---	---
---	---	C13	169	---	---	C33	178	C43	247	---	---	---	---
---	---	C14	169	C24	247	---	---	C44	179	---	---	---	---
C5	235	---	---	C25	247	C35	178	---	---	C55	243	C65	171
C6	169	---	---	C26	178	---	---	---	---	C56	247	C66	171
C7	168	---	---	C27	178	C37	238	C47	243	C57	243	C67	247
C8	171	---	---	C28	178	C38	247	C48	247	C58	243	C68	247
C9	247	---	---	C29	178	C39	238	C49	243	C59	243	C69	171
C10	169	---	---	C30	178	C40	244	C50	243	---	---	C70	247

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.
C71	245	C81	182	C91	247	C101	198	---	---	C121	247	C131	243
C72	176	C82	245	C92	169	C102	247	---	---	C122	243	C132	243
C73	247	C83	176	C93	247	---	---	C113	247	C123	235	C133	242
C74	182	C84	247	C94	181	---	---	C114	235	C124	243	C134	242
C75	247	C85	247	C95	235	C105	244	C115	244	C125	244	C135	242
C76	182	C86	247	C96	247	C106	179	C116	235	C126	247	C136	242
C77	247	C87	247	C97	160	C107	179	C117	179	C127	179	C137	247
C78	245	---	---	C98	181	C108	247	C118	247	C128	179	C138	243
C79	176	C89	247	---	---	C109	235	C119	243	---	---	C139	247
C80	247	C90	247	C100	247	---	---	C120	243	C130	243	C140	170

54.IPU Board (B222/B224)

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.
---	---	C151	178	C161	169	C171	168	C181	169	C191	235	C201	180
C142	198	C152	178	C162	244	C172	168	C182	244	C192	244	C202	247
C143	168	C153	247	C163	168	C173	244	C183	168	C193	247	C203	244
C144	178	C154	247	C164	247	C174	169	C184	247	C194	247	C204	180
C145	169	C155	247	C165	169	C175	179	---	---	C195	247	C205	247
C146	178	C156	179	C166	179	C176	179	C186	247	C196	247	C206	247
C147	178	C157	169	C167	169	C177	169	C187	247	C197	247	C207	247
C148	178	C158	244	C168	169	C178	244	C188	247	C198	167	C208	159
C149	178	C159	168	C169	244	C179	168	C189	169	C199	177	---	---
C150	178	C160	179	C170	168	C180	179	C190	244	C200	160	C210	247

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.
---	---	C221	247	C231	239	C241	247	C251	247	C261	169	C271	179
C212	247	C222	247	C232	247	C242	247	C252	247	C262	168	C272	169
C213	175	C223	247	C233	161	C243	163	C253	168	C263	168	C273	168
C214	247	C224	247	C234	165	C244	169	C254	244	C264	169	C274	168
C215	168	C225	247	C235	164	C245	247	C255	169	C265	247	C275	169
C216	175	C226	247	C236	247	C246	241	C256	179	C266	169	C276	169
C217	175	C227	247	C237	164	C247	241	C257	169	C267	179	C277	169
C218	247	C228	166	C238	165	C248	241	C258	168	C268	168	C278	179
C219	175	C229	247	C239	247	C249	241	C259	247	C269	169	C279	169
C220	247	C230	235	C240	247	C250	247	C260	179	C270	168	C280	168

54.IPU Board (B222/B224)

CAPACITOR

SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.
C281	179	C291	169	C301	168	C311	241	C321	247	C331	173	---	---
C282	168	C292	169	C302	168	C312	241	C322	173	C332	247	---	---
C283	169	C293	169	C303	169	C313	247	C323	243	C333	244	---	---
C284	169	C294	168	C304	168	C314	244	C324	173	C334	243	C344	247
C285	179	C295	168	C305	241	C315	243	C325	244	C335	174	C345	247
C286	168	C296	169	C306	241	C316	243	C326	247	C336	244	C346	247
C287	169	C297	179	C307	241	C317	244	C327	174	C337	243	C347	171
C288	168	C298	168	C308	241	C318	247	C328	244	C338	243	C348	169
C289	179	C299	179	C309	241	C319	243	C329	173	C339	244	C349	171
C290	168	C300	169	C310	241	C320	244	C330	243	C340	247	C350	247

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	244	C361	247	C371	173	C381	243	C391	243	---	---	C411	235
C352	247	C362	247	C372	247	C382	247	C392	247	---	---	---	---
C353	247	C363	171	C373	247	C383	247	C393	247	---	---	C413	168
C354	171	C364	243	C374	243	C384	173	C394	247	---	---	C414	243
C355	171	C365	243	C375	173	C385	247	C395	247	---	---	C415	247
C356	179	C366	244	C376	244	C386	244	C396	235	---	---	C416	243
C357	169	C367	244	C377	247	C387	243	C397	235	---	---	C417	247
C358	244	C368	243	C378	174	C388	244	C398	235	---	---	C418	247
C359	168	C369	244	C379	244	C389	244	C399	240	---	---	C419	243
C360	171	C370	174	C380	173	C390	243	C400	240	---	---	C420	243

54.IPU Board (B222/B224)

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.
C421	243	C431	243	C441	247	C451	168	---	---	C471	247	C481	247
C422	243	C432	247	C442	243	C452	243	C462	235	C472	243	C482	244
C423	243	C433	247	C443	241	---	---	C463	247	C473	243	C483	169
C424	247	C434	243	C444	247	C454	247	C464	247	C474	247	C484	244
C425	247	C435	243	C445	243	---	---	C465	243	C475	168	C485	169
C426	247	C436	247	C446	247	C456	241	C466	243	---	---	C486	247
C427	247	C437	247	C447	243	C457	241	C467	247	---	---	C487	171
C428	243	C438	243	C448	243	C458	241	C468	243	C478	237	C488	247
C429	247	C439	243	C449	247	C459	241	C469	243	C479	236	C489	247
C430	243	C440	247	---	---	C460	168	C470	243	C480	247	C490	247

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.
C491	171	C501	247	C511	172	C521	235	C531	246	C551	243	CN502	108
C492	242	C502	247	C512	172	C522	235	C532	246	C552	243	CN503	106
C493	242	C503	247	C513	172	C523	235	C533	243			CN504	109
C494	242	C504	172	C514	172	C524	235	C534	243			CN505	110
C495	242	C505	172	C515	172	C525	246	C535	169				
C496	242	C506	172	C516	172	C526	246	C536	169			CN506	101
C497	168	C507	172	C517	235	C527	246	C537	242			CN507	102
C498	247	C508	172	C518	235	C528	246	C538	162			CN508	107
C499	247	C509	172	C519	235	C529	246	---	---			CN509	104
C500	247	C510	172	C520	235	C530	246	---	---			CN510	103
												CN511	112

CONNECTOR

SYMBOL NO.	INDEX NO.
CN500	111
CN501	105

54.IPU Board (B222/B224)

DIODE

SYMBOL NO.	INDEX NO.
D1	118
D2	118
D3	118
D4	119

FIL

SYMBOL NO.	INDEX NO.
FIL1	183
FIL2	187
FIL3	183
FIL4	183
FIL5	183
FIL6	183
FIL7	183
FIL8	183
FIL9	184
---	---

SYMBOL NO.	INDEX NO.
FIL11	183
FIL12	183
FIL13	188
FIL14	183
FIL15	183
FIL16	184
FIL17	184
FIL18	187
FIL19	187
FIL20	184

SYMBOL NO.	INDEX NO.
FIL21	183
FIL22	183
FIL23	187
FIL24	183
FIL25	187
FIL26	183
FIL27	183
FIL28	183

FUSE

SYMBOL NO.	INDEX NO.
FU1	113

IC

SYMBOL NO.	INDEX NO.
IC1	133
IC2	136
IC3	136
IC4	138
IC5	1
IC6	2
IC7	134
IC8	135
IC9	123
IC10	123

SYMBOL NO.	INDEX NO.
IC11	128
IC12	127
IC13	124
IC14	140
IC15	140
IC16	126
IC17	126
IC18	126
IC19	124
---	---

IC

SYMBOL NO.	INDEX NO.
---	---
IC22	129
IC23	124
IC24	137
---	---
---	---
IC27	143
IC28	125
---	---
IC30	146

SYMBOL NO.	INDEX NO.
IC31	131
IC32	132
IC33	139
IC34	148
IC35	130
IC36	130
IC37	125

L

SYMBOL NO.	INDEX NO.
---	---
---	---
---	---
L4	189
---	---
L6	185
L7	189
L8	185
---	---
---	---

SYMBOL NO.	INDEX NO.
---	---
---	---
L13	186

LED

SYMBOL NO.	INDEX NO.
LED1	121
LED2	121
LED3	122
LED4	120

OSC

SYMBOL NO.	INDEX NO.
OSC1	150
---	---
---	---
OSC4	149

Q

SYMBOL NO.	INDEX NO.
Q1	115
Q2	114
Q3	114
Q4	114
Q5	116
Q6	117

54.IPU Board (B222/B224)

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.
R1	201	R11	202	R21	203	R31	197	R41	205	R51	232	R61	232
R2	222	R12	207	R22	211	R32	197	R42	220	R52	232	R62	221
R3	219	R13	221	R23	211	R33	197	R43	205	---	---	R63	221
R4	217	R14	221	R24	202	R34	197	R44	220	---	---	R64	221
R5	202	R15	208	R25	221	R35	197	R45	197	R55	232	R65	221
R6	213	R16	208	R26	202	R36	197	R46	232	R56	232	R66	199
---	---	R17	202	R27	221	R37	205	---	---	---	---	R67	211
R8	207	R18	202	R28	197	R38	220	---	---	R58	232	R68	217
R9	221	R19	213	R29	197	R39	205	R49	232	R59	232	R69	211
R10	221	R20	213	R30	197	R40	220	R50	232	---	---	R70	199

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.
R71	199	R81	200	R91	197	R101	211	R111	207	R121	225	---	---
R72	199	R82	200	R92	197	---	---	R112	211	R122	225	---	---
R73	199	R83	211	R93	197	R103	211	---	---	R123	225	R133	225
R74	199	R84	211	R94	197	R104	211	R114	211	R124	225	R134	228
R75	225	R85	211	R95	197	---	---	R115	197	R125	228	R135	225
R76	199	R86	211	---	---	---	---	---	---	R126	229	R136	229
R77	221	R87	202	R97	202	---	---	R117	211	R127	197	R137	225
R78	221	R88	202	---	---	R108	211	R118	211	R128	225	R138	225
R79	225	R89	202	R99	211	---	---	R119	202	---	---	R139	229
R80	197	R90	227	---	---	R110	211	R120	197	---	---	R140	225

54.IPU Board (B222/B224)

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.
R141	228	R151	225	R161	197	R171	197	R181	221	---	---	R201	221
R142	225	R152	229	R162	217	R172	197	R182	221	---	---	R202	221
R143	225	R153	228	R163	232	R173	197	R183	221	R193	197	R203	201
R144	202	R154	232	R164	197	R174	197	R184	221	R194	202	R204	221
R145	232	R155	197	---	---	R175	197	R185	217	R195	211	---	---
R146	202	R156	232	R166	232	R176	197	R186	201	R196	202	---	---
R147	202	---	---	R167	217	R177	197	R187	201	R197	211	R207	217
R148	225	R158	232	R168	217	R178	201	R188	202	R198	221	R208	221
R149	225	R159	200	R169	217	R179	197	R189	197	R199	221	R209	221
R150	225	R160	202	R170	217	R180	205	---	---	R200	202	R210	202

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	217	---	---	---	---	R241	202	R251	202	R261	211	R271	233
---	---	R222	211	R232	201	R242	215	R252	202	R262	223	R272	226
R213	202	R223	211	R233	210	R243	215	R253	202	R263	223	R273	151
R214	201	R224	211	R234	202	R244	202	R254	196	R264	214	---	---
---	---	R225	211	R235	202	R245	202	R255	196	R265	212	R275	211
R216	201	R226	211	R236	202	R246	215	R256	201	R266	211	R276	211
R217	201	---	---	R237	202	R247	215	R257	212	R267	211	R277	211
R218	201	---	---	R238	215	R248	202	R258	211	R268	211	R278	211
R219	201	---	---	R239	202	R249	202	R259	217	R269	202	R279	211
---	---	---	---	R240	215	R250	202	R260	212	R270	230	R280	211

54.IPU Board (B222/B224)

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	211	R291	211	R301	201	R311	211	R321	211	R331	202	R341	231
R282	211	R292	201	R302	201	R312	211	R322	211	R332	215	R342	231
---	---	R293	202	R303	211	R313	211	R323	211	R333	202	R343	231
R284	202	R294	202	R304	211	R314	211	R324	211	R334	202	R344	231
R285	211	R295	202	R305	211	R315	211	R325	202	R335	202	R345	197
R286	217	R296	201	R306	211	R316	206	R326	202	R336	207	---	---
R287	217	R297	202	R307	211	R317	211	R327	201	R337	208	R347	202
R288	211	R298	201	R308	211	R318	211	R328	202	R338	202	R348	202
R289	211	R299	201	R309	211	R319	211	R329	202	R339	231	---	---
R290	211	R300	201	R310	211	R320	211	R330	215	R340	231	R350	202

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.
R351	207	R361	211	R371	197	R381	202	R391	231	R401	211	R411	216
R352	197	R362	197	---	---	R382	200	R392	231	R402	211	R412	216
R353	197	R363	202	---	---	R383	202	R393	231	---	---	R413	216
R354	197	---	---	---	---	R384	202	R394	231	---	---	R414	216
R355	197	---	---	---	---	R385	211	R395	211	---	---	R415	218
R356	197	---	---	---	---	R386	204	R396	200	---	---	R416	218
R357	197	---	---	---	---	R387	231	R397	211	R407	216	R417	218
R358	211	R368	197	R378	211	R388	231	R398	209	R408	216	R418	218
R359	202	R369	211	R379	201	R389	231	R399	211	R409	216	R419	224
R360	202	---	---	R380	202	R390	231	R400	211	R410	216	R420	224

54.IPU Board (B222/B224)

RESISTOR

SYMBOL NO.	INDEX NO.
---	---
---	---
---	---
R994	200
R995	200
R996	212
R997	211
R998	211
R999	217

REG

SYMBOL NO.	INDEX NO.
REG2	147
REG3	145
REG4	144
---	---
REG6	144
REG7	142
REG8	141

RN

SYMBOL NO.	INDEX NO.
RN1	192
RN2	152
RN3	154
RN4	152
RN5	154
RN6	192
RN7	191
RN8	190
RN9	191
RN10	190

SYMBOL NO.	INDEX NO.
RN11	152
RN12	152
RN13	192
RN14	192
RN15	192
RN16	192
RN17	192
RN18	192
RN19	192
RN20	192

SYMBOL NO.	INDEX NO.
RN21	192
RN22	193
RN23	193
RN24	193
RN25	193
RN26	194
RN27	194
RN28	194
RN29	194
---	---

SYMBOL NO.	INDEX NO.
RN31	194
RN32	154
RN33	154
RN34	154
RN35	154
RN36	155
RN37	192
RN38	192
RN39	192
RN40	195

SYMBOL NO.	INDEX NO.
RN41	195
RN42	195
RN43	195
RN44	195
RN45	195
RN46	195
RN47	195
RN48	192
RN49	192
RN50	192

RN

SYMBOL NO.	INDEX NO.
RN51	192
RN52	157
RN53	155
RN54	155
RN55	155
RN56	155
RN57	158
RN58	158
RN59	158
RN60	158

SYMBOL NO.	INDEX NO.
RN61	191
RN62	158
RN63	158
RN64	191
RN65	158
RN66	158
RN67	191
RN68	152
RN69	156
RN70	190

SYMBOL NO.	INDEX NO.
RN71	190
RN72	190
RN73	190
RN74	190
RN75	156
RN76	190
RN77	190
RN78	190
RN79	190
RN80	192

SYMBOL NO.	INDEX NO.
RN81	192
---	---
---	---
---	---
---	---
RN86	152
---	---
RN88	154
RN89	154
RN90	153

SYMBOL NO.	INDEX NO.
RN91	154
RN92	155
RN93	154
RN94	154

54.IPU Board (B222/B224)

Index No.	Part No.	Description	Q'ty Per Assembly
*	B223 5725	PCB:IPU	1
1	B101 5160	IC:MB87M1480175	1
2	B188 5350	LSI:MB87M4290	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	1102 4211	CT Header - 12P	
102	1102 6298	Connector - 5P	
103	1102 6592	Connector - 8P	
104	1102 6893	Connector-30p	
105	1102 7358	Connector - 80P	
106	1102 8544	Connector 1-353297-3	
107	1102 8560	Connector - KX14-60K5D1E	
108	1102 8781	Connector - 1-292207-2	
109	1102 9121	Connector:2-353308-4	
110	1102 9122	Connector 2-292208-6	
111	1102 9505	Connector - 140PS-JUK-G-B	
112	1103 3174	Connector - FH12-40S-0.5SH(89)	
113	1107 1107	Fuse - Ccp2e100tbk	
114	1400 0688	Transistor -dtc143zua	
115	1400 0810	Transistor - DTC114EUA	
116	1400 0886	Transistor:DTC114GUA	
117	1401 1175	Fet - Hat1043m	
118	1402 1336	Diode - 1SS355	
119	1402 1798	Diode - RSX30	
120	1403 0953	LED - SML-310MT	
121	1403 0996	LED - SML-310VT	
122	1403 1033	LED - SML-310YT	
123	1407 5351	IC - SN74LV14APW	
124	1407 5353	IC - SN74LV244APW	
125	1407 5367	IC - 74LVC74A	
126	1407 5463	IC - SN74LV245APW	
127	1407 5713	IC:SN74LV06APW	
128	1407 6080	CMOS Logic - SN74LVC2G04DCK	
129	1407 6100	IC:SN74LVC1G04DCK	
130	1407 6101	IC - SN74LVC2G17DCK	
131	1407 6123	IC Sn74lvc2g125dcu	
132	1407 6205	CMOS Logic - SN74LVC1G06DCK	
133	1407 6232	Lvds - THC63LVD104A	
134	1407 6280	Controller - Rb5v870	
135	1407 6447	Custom IC - Gavd Type-w	

Index No.	Part No.	Description	Q'ty Per Assembly
136	1407 6466	Field Memory - 3mx12 3.3v	
137	1407 6568	Clock Generator - lcs7152m-11lf	
138	1407 6658	Custom Ic:Rb5c661	
139	1408 1614	IC - LTC1772CS6	
140	1408 1653	Opeamp - Lmv324ipw	
141	1408 1669	Series Regulator:R1170h331b	
142	1408 1850	Regulator - R1170h181b	
143	1408 1907	IC:R3112Q451A-FA	
144	1408 2016	Regulator - R1114q181b-fa	
145	1408 2017	Series Regulator - Pq012fz01zph	
146	1408 2024	IC:R3112Q261A-FA	
147	1408 2236	Regulator - Bh18fb1wg	
148	1408 2376	Switching Regulator Modele:H8D3243A	
149	1503 1013	Crystal Oscilator - 24.3mhz	
150	1503 1260	Crystal Oscilator - 23.8mhz	
151	1600 1946	Resistor - 33M Ω $\pm$ 1% 1W	
152	1601 7752	Resistor Array - 10K Ω $\pm$ 5%	
153	1601 7796	Resistor Array - 2.2KO	
154	1601 7867	Resistor - 33 Ω $\pm$ 5% 1/16W	
155	1601 7871	Resistor - 68 Ω $\pm$ 5% 1/16W	
156	1601 7898	Resistor Array	
157	1601 7959	Resistor	
158	1601 7987	Resistor Array - 82 Ω $\pm$ 5% 1/16W	
159	1604 4728	Capacitor - 100 μ F $\pm$ 20% 16V	
160	1604 4987	Capacitor - 330 μ F $\pm$ 20% 6.3V	
161	1604 5019	Capacitor - 56 μ F $\pm$ 20% 10V	
162	1604 5046	Resistor - 150 μ F $\pm$ 20%:10V	
163	1604 5065	Capacitor 10uf: $\pm$ 20%:50V	
164	1604 5235	Capacitor:120uf: $\pm$ 20%:10V	
165	1604 5236	Capacitor:180uf: $\pm$ 20%:16V	
166	1604 5338	Resistor - 47 μ F $\pm$ 20% 10V	
167	1605 1002	Capacitor - 2700pF $\pm$ 10% 50V	
168	1605 1137	Capacitor - 470pF $\pm$ 10% 50V	
169	1605 1148	Capacitor - 0.1 μ F+80-20% 50V	
170	1605 1190	Resistor - 0.022 μ F $\pm$ 10% 50V	

Index No.	Part No.	Description	Q'ty Per Assembly
171	1605 1212	Capacitor - 470pF $\pm$ 10% 50V	
172	1605 1221	Capacitor - 0.1 UF+80-20%16V	
173	1605 1224	Capacitor 4.7 μ F $\pm$ 10% 6.3v	
174	1605 1287	Capacitor - 0.47 μ F+80-20% 25V	
175	1605 1295	Capacitor:10uf:+80-20%:10V	
176	1605 1296	Capacitor - 330pF $\pm$ 10% 50V	
177	1605 1300	Capacitor - 270pF $\pm$ 5% 50V	
178	1605 1344	Capacitor - 33pF $\pm$ 5% 50V	
179	1605 1347	Capacitor - 1UF:+80-20%:16V	
180	1605 1391	Capacitor - 22UF: $\pm$ 20%:6.3V	
181	1605 1430	Resistor - 1 μ F+80-20% 50V	
182	1605 1464	Resistor - 10 μ F $\pm$ 20% 25V	
183	1607 0861	Filter - Bk2125hs101	
184	1607 1002	IC - NFM60R30T222	
185	1607 1196	Inductor -220uh $\pm$ 20% 0.33a	
186	1607 1326	Inductor - Slf12575-2r7n7r0-pF	
187	1607 1351	Filter Blm21pg221sn1b	
188	1607 1567	Filter:Mpz2012s101a	
189	1607 1606	Inductor - Nlfc453232-150k-pF	
190	1609 0005	Registor:33 Ω : $\pm$ 5%:1/16w	
191	1609 0006	Registor:10k Ω : $\pm$ 5%:1/16w	
192	1609 0007	Resistor - 68 Ω $\pm$ 5% 1/16W	
193	1609 0008	Registor:4.7k Ω : $\pm$ 5%:1/16w	
194	1609 0019	Registor:0 Ω :1608	
195	1609 0033	Register - 82 Ω $\pm$ 5% 1/16w	
196	1610 1427	Resistor - 15 Ω $\pm$ 5% 1W	
197	1634 0000	Resistor - 0 Ω 1/16W	
198	1644 0100	Capacitor - 10 μ F $\pm$ 20% 10V	
199	1650 4100	Resistor - 10 Ω $\pm$ 5% 1/10W	
200	1650 4101	Resistor - 100 Ω $\pm$ 5%1/10W	
201	1650 4102	Resistor - 1K Ω $\pm$ 5% 1/10W	
202	1650 4103	Resistor - 10K Ω $\pm$ 5% 1/10W	
203	1650 4104	Resistor - 100K Ω $\pm$ 5%1/10W	
204	1650 4121	Resistor - 120 Ω $\pm$ 5%1/10W	
205	1650 4122	Resistor - 1.2K Ω $\pm$ 5% 1/10W	

Index No.	Part No.	Description	Q'ty Per Assembly
206	1650 4150	Resistor - 15Ω ±5% 1/10W	
207	1650 4220	Chip Resistor - 22Ω ±5% 1/10w	
208	1650 4222	Resistor - 2.2KΩ±5%1/10W	
209	1650 4244	Resistor:240k Ω:±5%:1/10w:1608	
210	1650 4271	Resistor - 270Ω±5%1/10W	
211	1650 4330	Chip Resistor - 33Ω ±5% 1/10w	
212	1650 4331	Resistor - 330Ω±5%1/10W	
213	1650 4332	Resistor - 3.3KΩ±5%1/10W	
214	1650 4431	Resistor - 430Ω±5% 1/10W	
215	1650 4470	Resistor - 47Ω±5%1/10W	
216	1650 4471	Resistor - 470Ω±5%1/10W	
217	1650 4472	Resistor - 4.7KΩ ±5% 1/10W	
218	1650 4560	Chip Resistor - 56Ω ±5% 1/10w	
219	1650 4561	Resistor - 560Ω ±5% 1/10W	
220	1650 4621	Resistor - 620Ω ±5% 1/10W 1608	
221	1650 4680	Resistor - 68Ω±5%1/10W	
222	1650 4682	Resistor - 6.8KΩ ±5% 1/10W	
223	1650 4751	Resistor - 750Ω ±5% 1/10W	
224	1650 4821	Chip Resistor - 820Ω ±5% 1/10w	
225	1654 1000	Resistor - 100Ω ±1% 1/10W	
226	1654 1002	Resistor - 10KΩ±5%1/10W	
227	1654 1300	Resistor - 130Ω±1% 1/10W	
228	1654 4700	Resistor - 470Ω±1%1/10W	
229	1654 4701	Resistor - 4.7KΩ±1% 1/10W	
230	1654 4872	Resistor - 48.7KΩ ±1% 1/10W	
231	1654 5109	Resistor:51Ω:±1%:1/10W	
232	1654 8200	Resistor - 820Ω±1%1/10W	
233	1654 8202	Resistor - 82KΩ ±1% 1/10W	
234	1660 0100	Capacitor - 10PF ±0.5pF 50V	
235	1660 2101	Capacitor - 100pF - ±10% - 50V	
236	1660 2120	Capacitor - 12 pF ±5% 50V	
237	1660 2150	Capacitor - 15pF ±5% 50V	
238	1660 2151	Capacitor - 150pF ±20% 35V	
239	1660 2221	Capacitor - 220pF +80-20% 50V	
240	1660 2270	Capacitor - 27pF ±20% 35V	

Index No.	Part No.	Description	Q'ty Per Assembly
241	1660 2330	Capacitor - 33pF - ±5% - 50V	
242	1660 2470	Capacitor - 47pF ±5% 50V	
243	1660 4102	Capacitor - 1000pF ±10% 50V	
244	1660 4103	Capacitor - 10000pF - ±10% - 50V	
245	1660 4332	Capacitor - 3300pF - ±10% - 50V	
246	1660 4472	Capacitor - 4700pF±10% 50V	
247	1660 8104	Capacitor - 0.1μF+80-20% 25V	

55.Controller Board (B222/B224)

BAT

SYMBOL NO.	INDEX NO.
BAT1	114

CAPACITOR

SYMBOL NO.	INDEX NO.
C1	190
C2	190
C3	176
C4	178
C5	197
C6	176
---	---
C8	176
C9	209
C10	210

SYMBOL NO.	INDEX NO.
C11	204
C12	197
C13	195
---	---
---	---
C16	204
C17	212
C18	204
C19	204
C20	204

SYMBOL NO.	INDEX NO.
C21	204
C22	204
C23	176
C24	204
C25	204
C26	204
C27	204
C28	204
C29	204
C30	175

SYMBOL NO.	INDEX NO.
C31	204
C32	204
C33	201
C34	197
C35	195
C36	204
C37	204
---	---
C39	204
C40	204

SYMBOL NO.	INDEX NO.
C41	204
C42	195
C43	204
C44	204
C45	204
---	---
C47	204
C48	195
C49	204
C50	195

SYMBOL NO.	INDEX NO.
---	---
---	---
C53	204
C54	213
C55	204
C56	204
C57	204
C58	204
C59	204
C60	204

CAPACITOR

SYMBOL NO.	INDEX NO.
C61	204
C62	204
C63	204
C64	204
C65	204
C66	204
C67	204
C68	204
C69	204
C70	204

SYMBOL NO.	INDEX NO.
C71	241
C72	195
C73	197
C74	241
C75	197
C76	178
C77	197
C78	195
C79	197
C80	178

SYMBOL NO.	INDEX NO.
C81	201
C82	201
C83	201
C84	201
C85	189
C86	205
C87	196
C88	197
C89	184
C90	184

SYMBOL NO.	INDEX NO.
C91	184
C92	184
C93	184
C94	184
C95	176
---	---
C97	315
C98	240
---	---
C100	195

SYMBOL NO.	INDEX NO.
C101	197
C102	204
---	---
C104	184
C105	197
C106	316
C107	204
C108	197
C109	195
C110	188

SYMBOL NO.	INDEX NO.
C111	195
C112	185
C113	203
---	---
---	---
C116	197
C117	195
C118	182
---	---
C120	195

SYMBOL NO.	INDEX NO.
C121	197
C122	313
---	---
C124	195
C125	213
C126	213
C127	213
C128	209
C129	201
C130	212

55.Controller Board (B222/B224)

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.
C131	212	C141	177	C151	197	C161	197	C171	197	---	---	---	---
C132	197	C142	177	C152	195	C162	197	C172	197	---	---	C192	195
C133	197	C143	195	C153	197	C163	195	C173	213	C183	197	C193	197
C134	178	C144	197	---	---	C164	207	C174	190	C184	192	C194	197
C135	213	C145	197	C155	198	C165	213	C175	195	C185	195	C195	195
C136	213	C146	197	C156	197	C166	179	C176	203	C186	195	C196	197
C137	213	C147	197	---	---	C167	195	C177	190	---	---	---	---
C138	213	C148	195	C158	198	C168	184	C178	203	---	---	C198	197
C139	213	C149	197	C159	195	C169	213	---	---	C189	197	---	---
C140	213	C150	195	C160	209	C170	197	---	---	---	---	---	---

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.
C201	184	---	---	C221	186	---	---	C241	199	C251	204	C261	204
---	---	---	---	C222	186	C232	199	---	---	C252	195	---	---
---	---	---	---	---	---	C233	213	C243	199	C253	180	---	---
---	---	---	---	---	---	C234	197	C244	195	C254	197	C264	197
C205	184	C215	209	---	---	C235	197	C245	201	C255	204	C265	195
C206	184	---	---	---	---	C236	199	C246	204	C256	195	C266	195
C207	183	C217	201	---	---	---	---	C247	204	C257	195	C267	195
C208	215	---	---	---	---	---	---	C248	204	C258	204	C268	180
---	---	---	---	C229	213	---	---	C249	204	C259	204	C269	197
---	---	C220	213	---	---	---	---	C250	204	C260	195	C270	204

55.Controller Board (B222/B224)

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	204	C281	195	C291	204	C301	195	C311	195	C321	180	C331	206
C272	204	C282	195	C292	204	C302	195	C312	197	C322	195	C332	204
C273	197	C283	204	C293	195	C303	204	C313	204	C323	193	C333	199
C274	197	C284	180	C294	180	---	---	C314	204	C324	205	C334	204
C275	204	C285	199	C295	193	C305	197	C315	209	C325	180	C335	199
C276	197	C286	209	C296	197	C306	195	C316	197	C326	207	C336	180
---	---	C287	180	C297	195	C307	209	C317	195	C327	204	C337	180
C278	180	C288	199	C298	197	C308	193	C318	204	C328	195	C338	205
C279	205	C289	195	C299	195	C309	204	C319	197	C329	214	C339	195
C280	204	C290	193	C300	199	C310	195	C320	193	C330	199	C340	197

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.
C341	195	C351	195	C361	180	C371	199	C381	195	C391	204	C401	195
C342	193	C352	197	C362	199	C372	195	C382	195	C392	195	C402	204
C343	195	C353	195	C363	204	C373	193	C383	180	C393	180	C403	205
C344	197	C354	204	C364	193	C374	193	C384	204	C394	199	C404	204
C345	204	C355	205	C365	195	C375	204	C385	197	C395	195	C405	205
C346	193	C356	197	C366	199	C376	204	C386	199	C396	193	C406	195
C347	195	C357	214	C367	180	C377	180	C387	204	C397	195	C407	204
C348	199	C358	204	C368	195	C378	204	C388	195	C398	204	C408	195
C349	205	C359	195	C369	204	C379	195	C389	204	C399	193	C409	195
C350	180	C360	197	C370	180	C380	204	C390	195	C400	204	C410	204

55.Controller Board (B222/B224)

CAPACITOR

SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.
C411	195	C421	204	C431	204	C441	180	C451	193	C461	197	C471	195
C412	195	C422	203	C432	197	C442	195	C452	184	C462	197	C472	204
C413	204	C423	204	C433	204	C443	195	C453	184	C463	199	C473	204
C414	204	C424	204	C434	197	C444	199	C454	184	---	---	C474	195
C415	204	C425	204	C435	197	C445	195	C455	184	C465	197	C475	195
C416	209	C426	197	C436	195	C446	180	C456	204	C466	207	C476	204
C417	204	C427	195	C437	204	C447	199	C457	189	C467	206	C477	195
C418	195	C428	204	C438	203	C448	195	C458	207	C468	204	C478	204
C419	195	C429	204	C439	197	C449	193	C459	208	C469	197	C479	197
C420	195	C430	205	C440	197	---	---	C460	195	C470	197	C480	204

CAPACITOR

SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.
C481	180	C491	193	C501	207	C511	195	C521	209	C531	195	C541	194
C482	180	C492	199	C502	180	C512	204	C522	197	C532	197	C542	194
C483	193	C493	178	C503	199	C513	195	C523	200	C533	193	C543	194
C484	195	C494	204	C504	193	C514	204	C524	204	C534	213	C544	191
C485	199	C495	194	C505	180	C515	195	C525	178	C535	204	C545	203
C486	204	C496	199	C506	194	C516	204	C526	197	C536	181	C546	195
C487	197	C497	199	C507	194	C517	195	C527	200	---	---	C547	197
C488	189	C498	199	C508	194	C518	204	C528	314	C538	195	C548	199
C489	199	C499	199	C509	194	C519	195	C529	207	C539	194	C549	199
C490	195	C500	189	---	---	C520	196	C530	195	C540	194	C550	199

55.Controller Board (B222/B224)

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.
C551	199	C561	195	C571	186	C581	204	C591	204	C601	195
C552	199	C562	193	---	---	C582	204	---	---	C602	186
C553	199	C563	193	C573	186	C583	195	C593	204	C603	184
---	---	C564	195	---	---	C584	195	C594	204	---	---
C555	204	C565	197	C575	186	C585	180	C595	197	C605	189
C556	197	C566	199	C576	186	C586	186	C596	197	C606	197
C557	180	C567	195	C577	186	C587	198	C597	197	---	---
C558	213	C568	197	---	---	C588	207	C598	197	C608	202
C559	197	C569	199	C579	195	C589	206	C599	180	C609	197
C560	195	C570	186	---	---	C590	197	---	---	C610	195
										C611	195
										C612	197
										---	---
										C614	204
										C615	195
										C616	195
										C617	195
										C618	204
										C619	197
										C620	195

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.
C621	197	C631	206	C641	204	C651	195	C661	184	C671	206
C622	178	C632	204	C642	197	C652	180	C662	204	C672	195
C623	197	C633	195	---	---	C653	209	C663	204	C673	206
C624	195	---	---	C644	195	C654	195	C664	197	C674	206
C625	198	C635	207	C645	204	C655	204	C665	195	---	---
C626	195	---	---	C646	204	C656	195	C666	206	C676	204
C627	197	C637	195	C647	195	C657	195	C667	184	C677	197
C628	197	C638	195	C648	197	C658	204	C668	204	C678	197
C629	197	C639	205	C649	197	C659	204	C669	195	C679	195
---	---	C640	195	---	---	C660	195	C670	205	C680	195
										C686	195
										C687	206
										C688	197
										C689	197
										C690	314

55.Controller Board (B222/B224)

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.
C691	211	---	---	C711	195	---	---	---	---	C741	199	C751	199
---	---	C702	204	---	---	C722	204	---	---	C742	186	C752	194
---	---	C703	195	C713	197	C723	180	---	---	C743	199	C753	194
C694	195	C704	195	---	---	C724	180	---	---	C744	190	C754	199
---	---	---	---	---	---	C725	180	---	---	C745	199	C755	199
C696	195	---	---	---	---	C726	199	---	---	C746	195	C756	199
C697	204	C707	206	C717	197	---	---	C737	194	C747	195	C757	197
C698	204	C708	207	C718	197	---	---	C738	199	C748	195	---	---
C699	197	C709	186	C719	186	---	---	C739	199	C749	194	---	---
C700	195	C710	197	C720	199	---	---	C740	199	C750	199	---	---

CAPACITOR

SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.
---	---	C771	186
---	---	C772	197
---	---	C773	197
---	---	C774	194
---	---	C775	197
C766	195	C776	195
C767	197	C777	197
C768	195	C778	197
C769	197	C779	186
C770	186	C780	187

CONNECTOR

SYMBOL NO.	INDEX NO.
CN100	106
CN101	111
CN102	111
CN103	110
---	---
CN105	103
CN106	105
CN107	105
CN108	105
CN109	104
---	---

SYMBOL NO.	INDEX NO.
CN111	104
CN112	101
CN113	107
CN114	108
CN115	102
---	---
CN117	109

DIODE

SYMBOL NO.	INDEX NO.
D1	121
D2	121
D3	121
D4	123
---	---
D6	124
D7	121
D8	123
D9	123
D10	124

SYMBOL NO.	INDEX NO.
D11	122
D12	121
---	---
D14	121

FILTER

SYMBOL NO.	INDEX NO.
---	---
---	---
FIL3	225
---	---
FIL5	217
FIL6	217
FIL7	225
FIL8	227
FIL9	220
FIL10	227

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FILTER

SYMBOL NO.	INDEX NO.
FIL11	227
FIL12	220
FIL13	216
FIL14	216
FIL15	218
FIL16	216
FIL17	218

FU

SYMBOL NO.	INDEX NO.
FU1	112
FU2	112

IC

SYMBOL NO.	INDEX NO.
IC1	141
---	---
---	---
IC4	140
---	---
IC6	135
IC7	135
IC8	159
IC9	148
IC10	1

SYMBOL NO.	INDEX NO.
IC11	129
IC12	129
---	---
IC14	134
IC15	130
IC16	145
IC17	139
IC18	149
IC19	158
IC20	146

SYMBOL NO.	INDEX NO.
---	---
IC22	156
IC23	161
IC24	162
IC25	151
IC26	128
IC27	135
---	---
IC29	144
IC30	133

SYMBOL NO.	INDEX NO.
---	---
---	---
---	---
IC34	127
IC35	317
---	---
---	---
IC38	152
IC39	160
IC40	154

SYMBOL NO.	INDEX NO.
IC41	146
IC42	3
IC43	131
IC44	145
IC45	157
IC46	138
IC47	317
IC48	147
IC49	137
IC50	150

IC

SYMBOL NO.	INDEX NO.
IC51	142
IC52	140
---	---
IC54	139
---	---
IC56	136
---	---
IC58	148
IC59	160
IC60	153

SYMBOL NO.	INDEX NO.
IC61	140
IC62	149
IC63	2
IC64	140
IC65	145
IC66	149
IC67	145
IC68	140
---	---
---	---

SYMBOL NO.	INDEX NO.
IC71	140
IC72	155
IC73	143
---	---
IC75	140
IC76	145
---	---
---	---
---	---
---	---

SYMBOL NO.	INDEX NO.
---	---
IC82	140
IC83	132
---	---
---	---
---	---
IC87	132
IC88	132
IC89	155
IC90	155

SYMBOL NO.	INDEX NO.
IC91	155
IC92	126
IC93	155

LED

SYMBOL NO.	INDEX NO.
L1	219
L2	229
L3	224
L4	224
L5	226
L6	228
L7	221
L8	223
L9	223
L10	223

SYMBOL NO.	INDEX NO.
L11	223
L12	223

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LED

SYMBOL NO.	INDEX NO.
LED1	125
---	---
---	---
---	---
---	---
---	---
---	---
---	---
LED11	125

OSC

SYMBOL NO.	INDEX NO.
OSC1	163
OSC2	166
OSC3	164
OSC4	165

Q

SYMBOL NO.	INDEX NO.
Q1	115
Q2	118
Q3	120
Q4	118
Q5	116
Q6	116
Q7	117
Q8	115
Q9	118
Q10	117

RESISTOR

SYMBOL NO.	INDEX NO.
Q11	119
Q12	115
Q13	115
Q14	115
Q15	115

SYMBOL NO.	INDEX NO.
R1	252
R2	265
R3	265
R4	251
R5	251
R6	265
R7	265
R8	251
R9	265
R10	251

SYMBOL NO.	INDEX NO.
R11	279
R12	269
R13	267
---	---
R15	278
R16	252
R17	278
R18	278
---	---
R20	278

SYMBOL NO.	INDEX NO.
R21	265
R22	278
R23	278
R24	278
R25	271
R26	265
R27	265
R28	265
R29	252
R30	265

RESISTOR

SYMBOL NO.	INDEX NO.
---	---
---	---
R33	288
R34	288
---	---
R36	288
R37	265
---	---
R39	288
R40	257

SYMBOL NO.	INDEX NO.
R41	271
R42	257
R43	251
R44	251
R45	251
---	---
---	---
---	---
---	---
---	---

SYMBOL NO.	INDEX NO.
---	---
---	---
R53	251
R54	257
---	---
---	---
---	---
---	---
R59	251
R60	251

SYMBOL NO.	INDEX NO.
---	---
R62	265
R63	251
R64	265
---	---
---	---
---	---
---	---
R69	257
R70	265

SYMBOL NO.	INDEX NO.
R71	265
R72	265
R73	265
---	---
---	---
R76	257
R77	251
R78	252
R79	252
R80	257

SYMBOL NO.	INDEX NO.
R81	265
---	---
R83	251
R84	278
R85	278
R86	265
R87	257
R88	278
R89	257
R90	278

SYMBOL NO.	INDEX NO.
R91	265
R92	278
R93	257
R94	257
---	---
R96	267
R97	275
R98	251
R99	239
R100	239

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RESISTOR

SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.
R101	239	---	---	R121	242	R131	274	R141	274	R151	245	R161	248
R102	239	R112	254	R122	265	R132	271	R142	265	R152	244	---	---
R103	239	R113	265	R123	290	R133	300	R143	265	R153	244	R163	248
R104	239	R114	293	R124	239	R134	292	R144	265	R154	245	R164	276
R105	239	R115	299	R125	263	R135	290	R145	251	R155	245	R165	222
R106	239	R116	265	R126	312	R136	308	---	---	R156	244	---	---
R107	239	R117	265	R127	244	R137	248	R147	246	R157	246	R167	222
R108	239	R118	242	R128	309	R138	248	R148	245	R158	239	---	---
---	---	R119	242	R129	274	---	---	R149	245	R159	239	R169	222
R110	288	R120	242	R130	274	R140	265	R150	244	---	---	---	---

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	222	---	---	R191	251	---	---	R211	251	R221	251	R231	251
R172	222	R182	249	---	---	R202	251	---	---	R222	250	R232	251
R173	222	R183	251	---	---	R203	248	R213	250	---	---	R233	265
---	---	---	---	R194	237	---	---	R214	251	R224	265	R234	281
R175	222	R185	251	---	---	R205	267	R215	248	R225	265	R235	250
R176	243	R186	265	R196	265	---	---	R216	265	R226	250	R236	251
R177	243	R187	251	R197	250	R207	244	R217	251	R227	251	R237	248
---	---	R188	265	R198	251	R208	290	R218	251	R228	265	R238	265
---	---	R189	251	---	---	R209	265	R219	251	R229	248	R239	265
---	---	R190	250	---	---	R210	265	R220	290	R230	265	R240	248

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RESISTOR

SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.
R241	248	---	---	R261	265	R271	265	R281	288	R291	238	R301	251
R242	265	---	---	---	---	R272	256	R282	236	R292	238	R302	250
R243	265	R253	251	R263	265	---	---	---	---	R293	238	R303	250
R244	265	R254	284	R264	265	R274	265	---	---	R294	250	R304	250
R245	281	R255	265	---	---	R275	280	R285	238	R295	265	R305	267
R246	303	R256	265	---	---	R276	280	R286	238	R296	251	R306	267
R247	295	---	---	R267	282	---	---	---	---	R297	250	---	---
R248	252	R258	286	R268	265	R278	283	---	---	R298	265	R308	267
---	---	R259	286	---	---	R279	288	R289	238	R299	252	R309	267
R250	265	R260	265	R270	265	---	---	R290	238	R300	265	R310	251

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.
R311	277	---	---	R331	265	R341	251	R351	267	R361	257	R371	279
---	---	R322	272	R332	277	R342	252	R352	257	R362	271	R372	265
R313	252	R323	277	R333	278	---	---	R353	267	R363	257	---	---
R314	277	R324	262	R334	265	---	---	R354	257	R364	257	R374	251
---	---	R325	265	R335	252	R345	272	R355	265	R365	269	---	---
R316	267	R326	250	R336	252	R346	252	R356	251	R366	279	R376	269
R317	251	R327	252	R337	277	R347	267	R357	265	R367	251	R377	269
---	---	R328	267	R338	250	R348	257	R358	252	---	---	R378	271
R319	251	R329	265	R339	265	R349	277	R359	265	R369	251	---	---
---	---	R330	262	R340	252	R350	252	R360	274	R370	279	R380	272

55.Controller Board (B222/B224)

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.
R381	267	R391	271	R401	277	R411	274	R421	266	R431	266	R441	251
R382	248	R392	288	R402	265	R412	266	R422	266	R432	265	---	---
R383	248	R393	271	R403	265	R413	266	R423	251	R433	251	R443	254
R384	248	R394	251	R404	271	R414	266	R424	251	---	---	R444	267
R385	288	R395	248	R405	251	R415	251	R425	248	R435	251	---	---
R386	277	R396	267	R406	265	R416	251	R426	288	R436	271	R446	265
R387	267	R397	251	R407	251	---	---	R427	265	---	---	R447	251
R388	277	R398	277	R408	277	R418	274	R428	265	R438	271	R448	271
---	---	R399	277	R409	248	R419	266	R429	265	---	---	R449	250
R390	254	R400	272	R410	248	R420	266	R430	271	R440	251	R450	265

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.
---	---	R461	252	R471	262	R481	262	R491	279	R501	274	R511	271
R452	267	R462	265	R472	252	---	---	R492	265	R502	257	R512	249
R453	251	R463	262	R473	278	R483	267	R493	259	R503	265	R513	249
R454	265	R464	271	R474	271	R484	265	R494	257	R504	288	R514	251
---	---	R465	252	R475	251	R485	265	R495	269	---	---	R515	249
R456	265	R466	265	R476	265	R486	265	R496	265	R506	265	R516	288
R457	251	R467	265	R477	265	R487	265	R497	265	R507	265	R517	265
R458	265	R468	252	R478	265	R488	265	R498	264	R508	271	R518	254
R459	251	R469	271	R479	271	R489	265	R499	267	R509	251	R519	266
R460	265	R470	265	R480	271	R490	265	R500	265	R510	265	R520	266

55.Controller Board (B222/B224)

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.
R521	265	R531	251	R541	265	R551	244	R561	290	R571	267	R581	269
R522	265	---	---	R542	267	R552	244	R562	311	R572	239	R582	251
---	---	R533	267	R543	289	R553	242	R563	270	R573	239	R583	251
R524	267	R534	267	R544	265	R554	242	R564	251	R574	239	---	---
R525	265	R535	267	R545	265	R555	242	---	---	R575	239	R585	279
---	---	R536	250	R546	267	R556	242	---	---	R576	239	R586	260
R527	267	R537	251	R547	258	R557	288	R567	312	R577	265	R587	291
R528	254	---	---	---	---	---	---	R568	251	R578	260	R588	297
R529	267	R539	267	R549	259	R559	288	---	---	R579	251	---	---
R530	267	R540	251	R550	265	---	---	R570	265	---	---	R590	267

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.
---	---	R601	239	R611	265	R621	267	R631	251	R641	251	R651	304
R592	255	R602	239	---	---	R622	251	R632	251	R642	251	R652	250
R593	255	R603	239	---	---	R623	251	---	---	R643	255	R653	251
---	---	R604	239	---	---	R624	222	---	---	---	---	R654	251
R595	252	R605	251	R615	251	R625	265	---	---	---	---	R655	251
---	---	R606	238	R616	267	R626	288	---	---	R646	249	R656	251
---	---	R607	238	R617	267	R627	265	R637	250	R647	265	R657	251
---	---	R608	296	---	---	R628	250	R638	267	R648	265	---	---
---	---	R609	250	R619	251	R629	250	R639	265	---	---	R659	251
R600	239	---	---	R620	251	R630	255	---	---	---	---	R660	265

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RESISTOR

SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.
R661	250	R671	251	R681	267	R691	248	R701	251	R721	265	---	---
R662	265	R672	251	R682	267	---	---	R702	265	R722	265	---	---
---	---	R673	259	---	---	R693	248	---	---	R723	306	---	---
R664	251	R674	251	---	---	R694	251	---	---	---	---	R744	263
R665	251	---	---	R685	251	---	---	R705	298	---	---	R745	307
---	---	R676	248	---	---	---	---	R706	288	R726	248	R746	265
R667	251	---	---	R687	251	---	---	---	---	R727	251	---	---
R668	251	---	---	R688	251	---	---	---	---	---	---	---	---
R669	250	R679	267	R689	263	R699	310	---	---	---	---	---	---
---	---	---	---	R690	248	---	---	---	---	---	---	R750	307

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.
---	---	R761	251	---	---	R791	268	R801	238	---	---	---	---
---	---	---	---	---	---	R792	265	R802	238	---	---	R822	268
---	---	---	---	R783	249	R793	268	R803	238	---	---	R823	261
---	---	R774	284	---	---	---	---	R804	247	R814	238	R824	239
R755	294	---	---	R785	251	R795	251	R805	253	R815	250	R825	250
R756	251	---	---	R786	251	R796	238	---	---	---	---	R826	238
---	---	---	---	---	---	R797	268	---	---	---	---	---	---
R758	301	---	---	R788	249	R798	268	---	---	---	---	R828	247
R759	251	R779	249	R789	238	---	---	---	---	---	---	R829	250
R760	251	R780	251	R790	238	---	---	---	---	---	---	R830	285

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RESISTOR

SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.
R831	287	R841	250	---	---	R861	302	R871	288	RN1	234	RN11	174
R832	261	R842	249	---	---	R862	250			RN2	231	RN12	231
R833	250	R843	249	---	---	---	---			RN3	230	RN13	233
R834	238	R844	249	---	---	---	---			RN4	234	RN14	232
R835	273	R845	238	---	---	---	---			RN5	230	RN15	230
R836	273	R846	238	R856	252	---	---	RN6	230	RN16	233		
R837	239	R847	238	R857	252	---	---	RN7	230	RN17	232		
R838	239	R848	238	R858	252	---	---	RN8	230	RN18	230		
R839	250	R849	251	R859	252	---	---	RN9	230	RN19	233		
R840	250	---	---	R860	305	---	---	RN10	233	RN20	230		

RN

RN

SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.	SYMBOL NO.	INDEX NO.
RN21	170	RN31	167	RN41	230	RN51	230	RN61	169	RN71	173	RN81	231
RN22	230	RN32	172	RN42	230	RN52	230	RN62	169	RN72	173	RN82	232
RN23	233	RN33	235	RN43	230	RN53	168	RN63	231	RN73	168	RN83	234
RN24	234	RN34	233	RN44	234	RN54	230	RN64	168	RN74	173	RN84	167
RN25	235	RN35	234	RN45	230	RN55	230	RN65	173	RN75	234	RN85	168
RN26	170	RN36	234	RN46	230	RN56	230	RN66	173	RN76	230	RN86	234
RN27	167	RN37	234	---	---	RN57	230	RN67	173	RN77	234	RN87	233
RN28	235	RN38	233	---	---	RN58	167	RN68	173	RN78	232	RN88	234
RN29	233	RN39	232	RN49	230	RN59	230	RN69	173	RN79	231	RN89	168
RN30	235	RN40	230	RN50	230	RN60	231	RN70	173	RN80	234	RN90	171

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RN

SYMBOL NO.	INDEX NO.
RN91	234
RN92	168
RN93	234
RN94	233
RN95	234
RN96	234
RN97	231
RN98	231

SW

SYMBOL NO.	INDEX NO.
SW1	113

55.Controller Board (B222/B224)

Index No.	Part No.	Description	Q'ty Per Assembly
*	B224 5740	PCB:Controller	1
1	B180 5891	ASIC:Trumpet3	1
2	B224 5705	EEPROM AP-C1 CTL CONFIG	1
3	B238 5720	ASIC:Shaker5.5	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	1102 5303	Connector - 4P	
102	1102 7615	Connector - B8B-XH-A	
103	1102 8329	Connector - Usb - UBB-4R-D14C	
104	1102 9079	Connector - RHM-88PL-SDK11-1	
105	1102 9336	Connector:FPS009-2300-0	
106	1102 9535	Connector - 200PS-JUK-G-B	
107	1102 9689	Connector 2-440091-4	
108	1102 9697	Connector:2-440091-5	
109	1102 9887	Connector:52588-3090	
110	1102 9890	Connector:5-1605706-2	
111	1102 9928	Connector:29 6406 200 000 856	
112	1107 1099	Fuse Sst 5	
113	1204 1543	Dip Switch	
114	1206 0115	Lithium Cell - Cr1632/v1a	
115	1400 0730	Transistor - 2SD1782K	
116	1401 1209	IC - HAT2093R	
117	1401 1228	Fet:Si3433dv-e3	
118	1401 1296	Fet:Tpc8115	
119	1401 1320	Fet - Tpc8107	
120	1401 1354	Fet Array:Si4804bdy-e3	
121	1402 1336	Diode - 1SS355	
122	1402 1365	Diode-rb751v-40	
123	1402 1698	Diode - RB	
124	1402 1709	Diode:EC21QS06G	
125	1403 1131	LED:SML-311UT	
126	1407 2187	TTLIC - SN74LS07NS	
127	1407 4919	IC - 74VHCT244 TSSOP	
128	1407 5274	CMOS Logic - 74LVCH162244A TSSOP	
129	1407 5300	CMOS Logic - 74LVC16244A TSSOP	
130	1407 5353	IC - SN74LV244APW	
131	1407 5369	IC - SN74AHCT32PW	
132	1407 5377	IC - SN74AHCT1G08DCK	
133	1407 5482	IC - SN74LVC07APW	
134	1407 5520	IC - SN74LVC125APW	
135	1407 5604	IC - SN74LVC16245ADGG	

Index No.	Part No.	Description	Q'ty Per Assembly
136	1407 5733	IC:SN74ALVC244PW	
137	1407 5868	Ethernet Cont Lsi - Dp83847alqa56a	
138	1407 6080	CMOS Logic - SN74LVC2G04DCK	
139	1407 6100	IC:SN74LVC1G04DCK	
140	1407 6101	IC - SN74LVC2G17DCK	
141	1407 6123	IC Sn74lvc2g125dcu	
142	1407 6127	Clock Generator:lcs960008aflf	
143	1407 6145	IC:SN74LVC373APW	
144	1407 6161	Clock Generator-ics960009aflf	
145	1407 6187	CMOS Logic - SN74LVC1G07DCK	
146	1407 6204	CMOS Logic:SN74LVC2G07DCK	
147	1407 6265	Real Time Clock:R2025s	
148	1407 6268	CMOS Logic:SN74CBTLV3257PW	
149	1407 6335	CMOS Logic:SN74LVC1G17DCK	
150	1407 6372	Eeprom - Br24l01afj-w	
151	1407 6534	Cpu:Rm7935-835k-rev1.2	
152	1408 1750	IC - R3112Q231A	
153	1408 1778	IC:R3112Q101A	
154	1408 1815	IC - R3112Q151A	
155	1408 1826	IC - R3112Q421A	
156	1408 1925	IC:LTC1778EGN#PBF	
157	1408 1956	IC:LTC3728LXCUH#TRPBF	
158	1408 1960	IC:LP2996LQ/NOPB	
159	1408 2034	IC:TPS62042DGQ	
160	1408 2053	IC:R3112Q291A-FA	
161	1408 2066	IC:TPS54310PWP	
162	1408 2132	IC:TPS54380PWP	
163	1503 0842	Oscillator - 14.31818MHZ	
164	1503 1181	Crystal Oscillator:30mhz	
165	1503 1304	Crystal Oscillator:25mhz	
166	1503 1305	Crystal Oscillator:25mhz	
167	1601 7887	Resistor Array - 10K Ω $\pm$ 5% 1/32W	
168	1601 7898	Resistor Array	
169	1601 7909	Resistor Array - 10 Ω $\pm$ 5% 1/32W	
170	1601 7913	Resistor 22 Ω $\pm$ 5% 1/32w	

Index No.	Part No.	Description	Q'ty Per Assembly
171	1601 7943	Resistor Array - 68 Ω $\pm$ 5% 1/32W	
172	1601 7959	Resistor	
173	1601 7981	Resistor Array - 100K Ω $\pm$ 5%1/16W	
174	1601 7987	Resistor Array - 82 Ω $\pm$ 5% 1/16W	
175	1604 2527	Capacitor - 100 μ F $\pm$ 20% 25V	
176	1604 4728	Capacitor - 100 μ F $\pm$ 20% 16V	
177	1604 4994	Capacitor - 100 μ F $\pm$ 20% 6.3V	
178	1605 1034	Ceramic Capacitor:1000pF $\pm$ 10%:50v	
179	1605 1095	Capacitor:180pF $\pm$ 5%:25V	
180	1605 1124	Capacitor - 4.7 μ F+80 -20% 10V	
181	1605 1165	Capacitor:680pF $\pm$ 5%:50V	
182	1605 1195	Capacitor:4pf: $\pm$ 0.25pF:50V	
183	1605 1199	Capacitor - 8PF $\pm$ 0.5pF 50V	
184	1605 1200	Capacitor - 10PF $\pm$ 0.5pF 50V	
185	1605 1201	Capacitor - 12pF $\pm$ 5% 50V	
186	1605 1204	Capacitor-pF50v	
187	1605 1205	Capacitor - 33pF $\pm$ 5% 50V	
188	1605 1206	Capacitor - 47pF $\pm$ 5% 50V	
189	1605 1207	Capacitor - 68pF $\pm$ 5% 50V	
190	1605 1208	Capacitor:100pF $\pm$ 5%:50V	
191	1605 1209	Capacitor - 150pF $\pm$ 5% 50V	
192	1605 1210	Capacitor:180pF $\pm$ 5%:50V	
193	1605 1211	Capacitor - 220pF $\pm$ 10% 50V	
194	1605 1212	Capacitor - 470pF $\pm$ 10% 50V	
195	1605 1214	Capacitor - 1000pF $\pm$ 10% 50V	
196	1605 1216	Capacitor - 2200pF $\pm$ 10%:50V	
197	1605 1221	Capacitor - 0.1 UF+80-20%:16V	
198	1605 1234	Capcitor:4700pF $\pm$ 10%:50v	
199	1605 1240	Capacitor - 0.01 μ F $\pm$ 10% 25V	
200	1605 1249	Capacitor:0.047uf: $\pm$ 10%:16V	
201	1605 1282	Capacitor:22uf:+80-20%:10V	
202	1605 1283	Capacitor - 680pF $\pm$ 10% 50V	
203	1605 1284	Capacitor:1500pF $\pm$ 10%:50V	
204	1605 1289	Capacitor - 0.1 μ F $\pm$ 10% 10V	
205	1605 1295	Capacitor:10uf:+80-20%:10V	

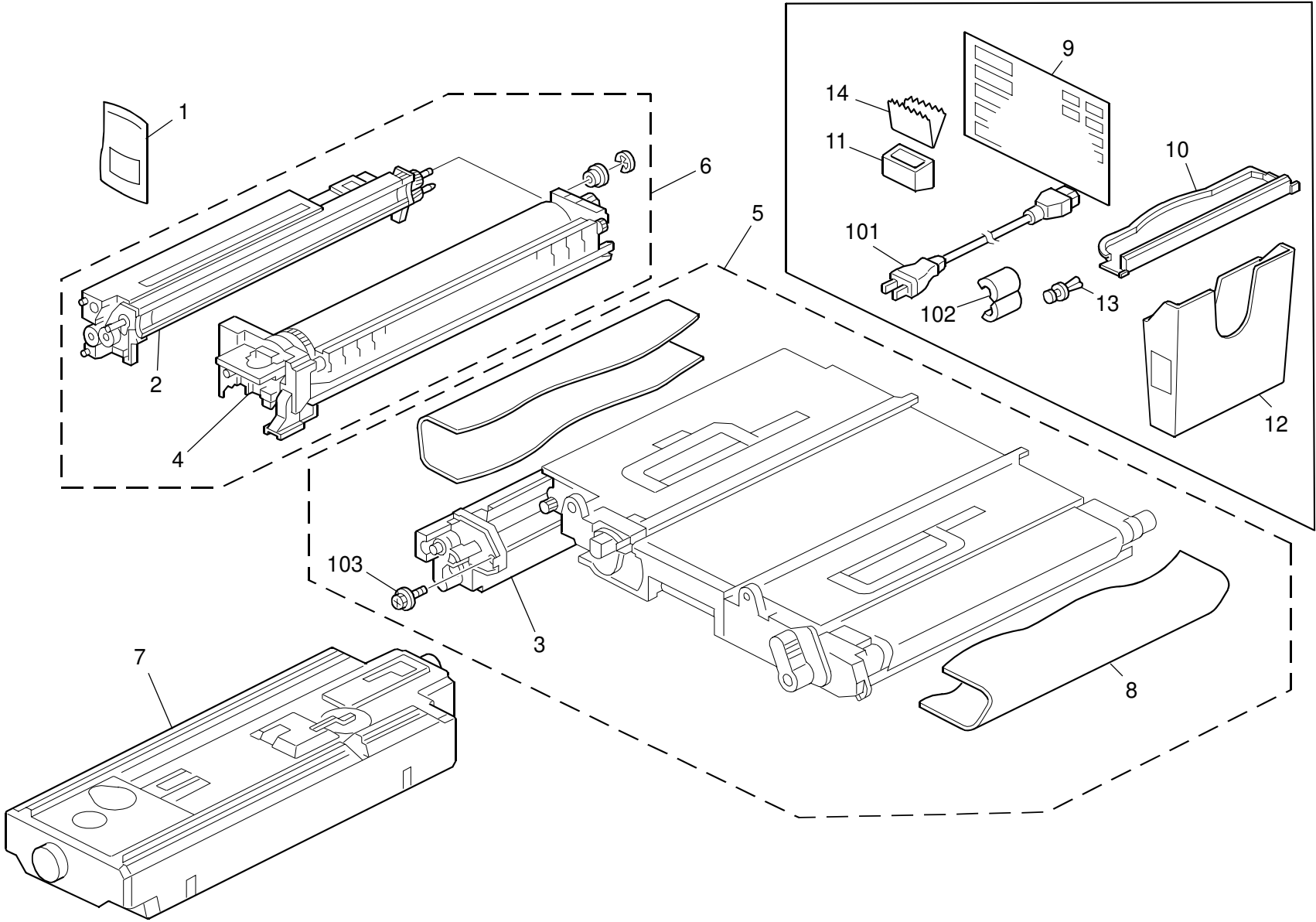
Index No.	Part No.	Description	Q'ty Per Assembly
206	1605 1296	Capacitor - 330pF $\pm 10\%$ 50V	
207	1605 1303	Capacitor - 0.01 μ F+80-20% 50V	
208	1605 1305	Capacitor - 1 μ F+80-20% 6.3V	
209	1605 1347	Capacitor - 1UF:+80-20%:16V	
210	1605 1353	Capacitor - 0.1 μ F $\pm 10\%$ 25V	
211	1605 1354	Capacitor:1200pF: $\pm 5\%$:50V	
212	1605 1359	Capacitor - 10UF: $\pm 20\%$:16V	
213	1605 1391	Capacitor - 22UF: $\pm 20\%$:6.3V	
214	1605 1417	Capacitor:47uf:+80-20%:10V	
215	1605 1448	Capacitor - 9PF: ± 0.5 pF 50V	
216	1607 0978	Inductor - Blm21p300spb	
217	1607 1051	Filter -fbmj2125hs420	
218	1607 1061	Filter - Blm11p300spb	
219	1607 1228	Inductor - Slf7045-4r7m2r0	
220	1607 1351	Filter Blm21pg221sn1b	
221	1607 1362	Coil - ACM3225-800-2P	
222	1607 1387	Filter - Blm18bb600sn1b	
223	1607 1471	Inductor:Lb2518b6r8m	
224	1607 1477	Inductor - Rlf7030-4r7m3r4	
225	1607 1489	Filter - Mmz1608b301c	
226	1607 1556	Inductor:Rlf7030-1r5n6r1	
227	1607 1567	Filter:Mpz2012s101a	
228	1607 1650	Inductor:Rlf7030-6r8m2r8	
229	1607 1827	Inductor:Rlf7030-2r2m5r4	
230	1609 0005	Resistor:33 Ω : $\pm 5\%$:1/16w	
231	1609 0006	Resistor:10k Ω : $\pm 5\%$:1/16w	
232	1609 0007	Resistor - 68 Ω $\pm 5\%$ 1/16W	
233	1609 0011	Resistor:22 Ω : $\pm 5\%$:1/16w	
234	1609 0016	Resistor:56 Ω : $\pm 5\%$:1/16w	
235	1609 0026	Resistor - 47 Ω $\pm 5\%$ 1/16W	
236	1610 1734	Resistor:0.02 Ω : $\pm 1\%$:1W	
237	1610 1804	Resistor:0.006 Ω : $\pm 1\%$:1W	
238	1632 0000	Resistor - 0 Ω 1/8W	
239	1634 0000	Resistor - 0 Ω 1/16W	
240	1644 1330	Capacitor	

Index No.	Part No.	Description	Q'ty Per Assembly
241	1644 6101	Capacitor - 100 μ F $\pm 20\%$ 6.3V	
242	1650 4100	Resistor - 10 Ω $\pm 5\%$ 1/10W	
243	1650 4150	Resistor - 15 Ω $\pm 5\%$ 1/10W	
244	1650 4330	Chip Resistor - 33 Ω $\pm 5\%$ 1/10w	
245	1650 4390	Resistor - 39 Ω -5% 1/10W	
246	1650 4470	Resistor - 47 Ω $\pm 5\%$ 1/10W	
247	1650 4680	Resistor - 68 Ω $\pm 5\%$ 1/10W	
248	1650 5100	Chip Resistor - 10 Ω $\pm 5\%$ 1/16w	
249	1650 5101	Chip Resistor - 100 Ω $\pm 5\%$ 1/16w	
250	1650 5102	Chip Resistor - 1k Ω $\pm 5\%$ 1/16w	
251	1650 5103	Chip Resistor - 10k Ω $\pm 5\%$ 1/16w	
252	1650 5104	Chip Resistor - 100k Ω $\pm 5\%$ 1/16w	
253	1650 5105	Chip Resistor - 1m Ω $\pm 5\%$ 1/16w	
254	1650 5109	Chip Resistor 1 Ω $\pm 5\%$ 1/16w	
255	1650 5122	Chip Resistor - 1.2k Ω $\pm 5\%$ 1/16w	
256	1650 5202	Chip Resistor:2k Ω : $\pm 5\%$:1/16w	
257	1650 5220	Resistor - 22 Ω $\pm 5\%$ 1/16W	
258	1650 5221	Chip Resistor - 220 Ω $\pm 5\%$ 1/16w	
259	1650 5222	Resistor - 2.2K Ω $\pm 5\%$ 1/16W	
260	1650 5229	Resistor:2.2 Ω : $\pm 5\%$:1/16w:1005	
261	1650 5271	Chip Resistor 270 Ω $\pm 5\%$ 1/16w	
262	1650 5272	Chip Resistor:2.7k Ω : $\pm 5\%$:1/16w	
263	1650 5274	Resistor:270k Ω : $\pm 5\%$:1/16w:1005	
264	1650 5303	Chip Resistor 30k Ω $\pm 5\%$ 1/16w	
265	1650 5330	Chip Resistor - 33 Ω $\pm 5\%$ 1/16w	
266	1650 5470	Chip Resistor 47 Ω $\pm 5\%$ 1/16w	
267	1650 5472	Chip Resistor:4.7k Ω : $\pm 5\%$:1/16w	
268	1650 5512	Chip Resistor 5.1k Ω $\pm 5\%$ 1/16w	
269	1650 5513	Chip Resistor:51k Ω : $\pm 5\%$:1/16w	
270	1650 5514	Chip Resistor:510k Ω : $\pm 5\%$:1/16w	
271	1650 5560	Chip Resistor 56 Ω $\pm 5\%$ 1/16w	
272	1650 5562	Chip Resistor:5.6k Ω : $\pm 5\%$:1/16w	
273	1650 5621	Chip Resistor 620 Ω $\pm 5\%$ 1/16w	
274	1650 5680	Resistor - 68 Ω $\pm 5\%$ 1/16W	
275	1650 5681	Chip Resistor:680 Ω : $\pm 5\%$:1/16w	

Index No.	Part No.	Description	Q'ty Per Assembly
276	1650 5750	Chip Resistor:75Ω:±5%:1/16w	
277	1650 5820	Chip Resistor:82Ω:±5%:1/16w	
278	1650 5822	Chip Resistor:8.2kΩ:±5%:1/16w	
279	1650 5823	Chip Resistor:82kΩ:±5%:1/16w	
280	1653 4999	Resistor - 49.9Ω ±1% 1/8W	
281	1653 5499	Resistor - 54.9Ω ±1% 1/8W	
282	1654 1001	Resistor - 1KΩ±1%1/10W	
283	1654 1004	Chip Resistor - 1mΩ ±1% 1/10w	
284	1654 1501	Resistor - 1.5K Ω ±1% 1/10W 1608	
285	1654 1502	Resistor - 15KΩ±1% 1/10W	
286	1654 3609	Resistor - 36Ω±1%1/10W	
287	1654 8201	Resistor - 8.2KΩ ±1% 1/10W	
288	1655 0000	Chip Resistor - 0Ω±0%1/16w	
289	1655 1001	Chip Resistor - 1kΩ ±1% 1/16w	
290	1655 1002	Chip Resistor - 10kΩ±1%1/16w	
291	1655 1022	Resistor:10.2k Ω:±1%:1/16W	
292	1655 1301	Chip Resistor:1.3kΩ:±1%:1/16w	
293	1655 1502	Resistor - 15KΩ ±1% 1/16W	
294	1655 1602	Resistor:16k Ω:±1%:1/16W	
295	1655 1651	Resistor:1.65k Ω:±1%:1/16w:1005	
296	1655 1800	Chip Resistor:180Ω:±1%:1/16w	
297	1655 1912	Resistor:19.1k Ω:±1%:1/16W	
298	1655 2002	Chip Resistor - 20kΩ±1%1/16w	
299	1655 2402	Resistor - 24KΩ ±1% 1/16W	
300	1655 2742	Resistor:27.4k Ω:±1%:1/16W	
301	1655 3000	Chip Resistor:300Ω:±1%:1/16w	
302	1655 3091	Resistor:3.09k Ω:±1%:1/16W	
303	1655 3402	Resistor:34k Ω:±1%:1/16W	
304	1655 3900	Resistor:390 Ω:±1%:1/16W	
305	1655 4301	Resistor:4.3k Ω:±1%:1/16W	
306	1655 4321	Resistor:4.32k Ω:±1%:1/16W	
307	1655 4701	Chip Resistor - 4.7kΩ±1%1/16w	
308	1655 4870	Resistor:487 Ω:±1%:1/16W	
309	1655 6341	Resistor:6.34k Ω:±1%:1/16W	
310	1655 6342	Resistor:63.4k Ω:±1%:1/16W	

Index No.	Part No.	Description	Q'ty Per Assembly
311	1655 7152	Resistor:71.5k Ω:±1%:1/16W	
312	1655 9761	Resistor:9.76k Ω:±1%:1/16W	
313	1660 2101	Capacitor - 100pF - ±10% - 50V	
314	1660 2121	Capacitor - 120pF ±5% 50V	
315	1660 2470	Capacitor - 47pF ±5% 50V	
316	1660 2471	Capacitor - 470pF - ±5% - 50V	
317	1906 0076	Flash Memory:Mbm29pl12lm12pcn	

56.Accessories (B222/B224)

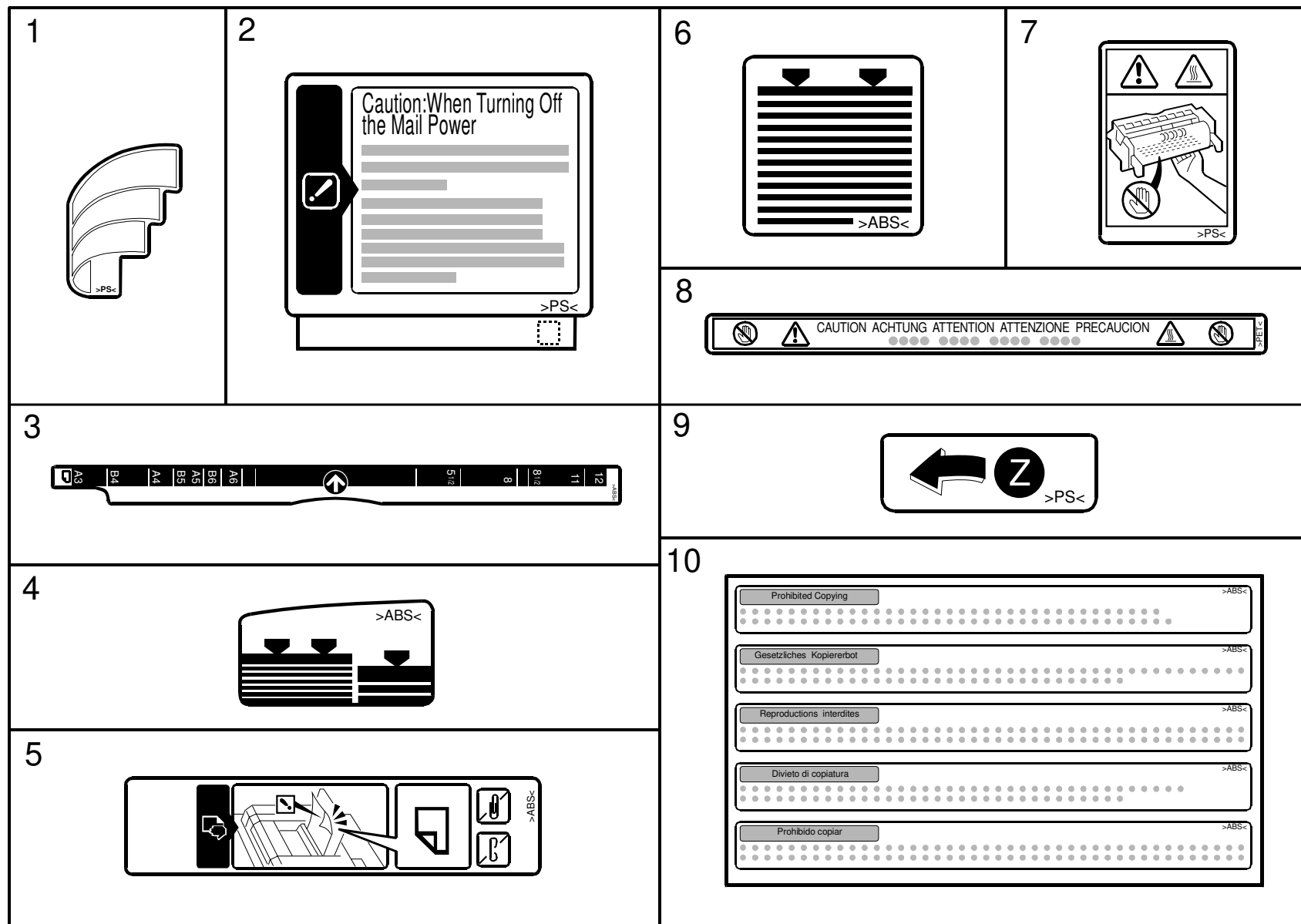


56.Accessories (B222/B224)

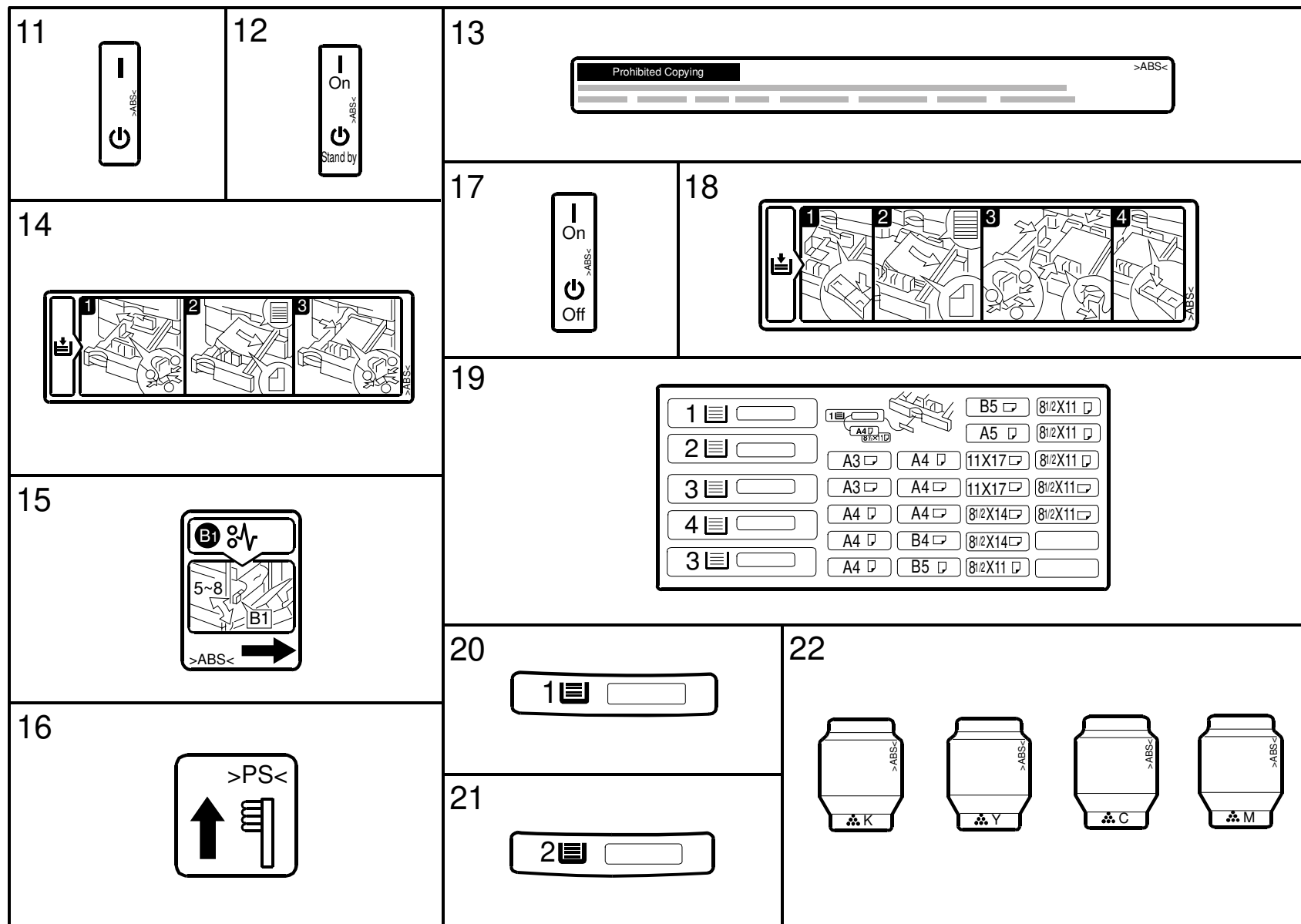
Index No.	Part No.	Description	Q'ty Per Assembly
1	B230 9640	Developer:BK	1
1	B230 9660	Developer:C	1
1	B230 9670	Developer:M	1
1	B230 9680	Developer:Y	1
2	B223 3013	Development Unit:BK	1
2	B223 3023	Development Unit:M	1
2	B223 3033	Development Unit:C	1
2	B223 3043	Development Unit:Y	1
3	B223 6023	Cleaning Unit	1
4	B223 2244	Drum Unit:BK	1
4	B223 2245	Drum Unit:M	1
4	B223 2246	Drum Unit:C	1
4	B223 2247	Drum Unit:Y	1
5	B223 6032	Intermediate Transfer Section:Servi	1
6	B223 2204	PCU:BK	1
6	B223 2205	PCU:C	1
6	B223 2206	PCU:M	1
6	B223 2207	PCU:Y	1
7	B223 6542	Collection Bottle:Exp:Ass'	1
8	B223 6130	Image Transfer Belt	1
9	B238 2524	Decal - Paper Size	1
10	B238 1380	Cover - Right	1
11	B065 1371	Cloth Holder	1
12	B223 1248	Operating Instructions Holder	1
13	G038 1299	Rivet - 5	1
14	B065 1374	Cloth - DF Exposure Glass	1

Index No.	Part No.	Description	Q'ty Per Assembly
101	1150 0373	Power Supply Code:125V 15A NA	
101	1150 0377	Power Supply Code:250V:10A:EU	
102	1607 1715	Ferrite Core - Rfc-5	
103	0450 3008N	Tapping Screw - M3x8	

57.Decals and Documents (B222/B224)

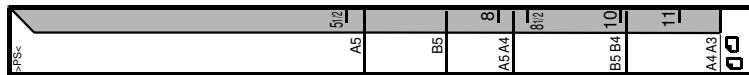


57.Decals and Documents (B222/B224)

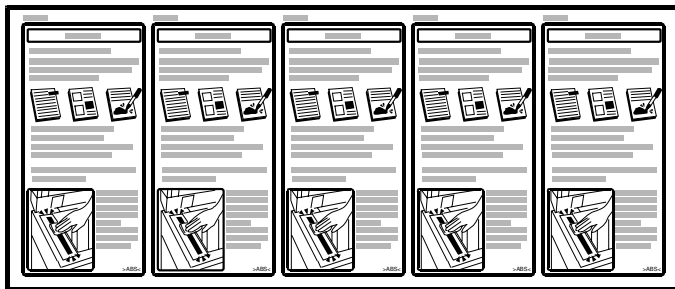


57.Decals and Documents (B222/B224)

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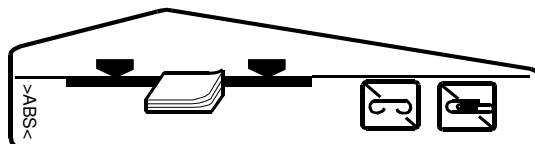
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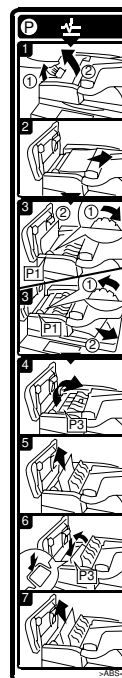
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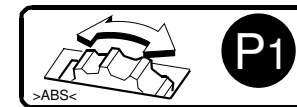
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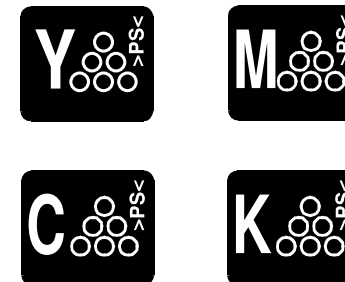
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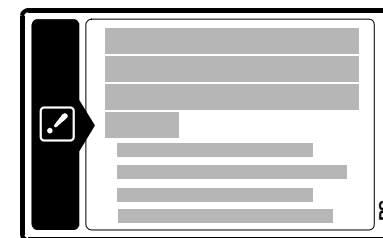
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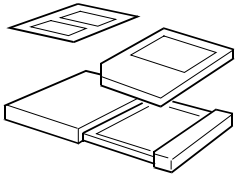
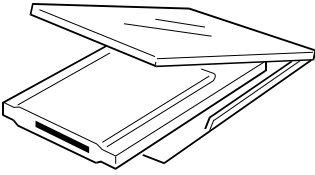
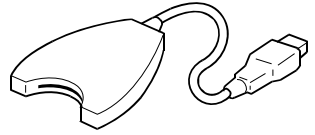
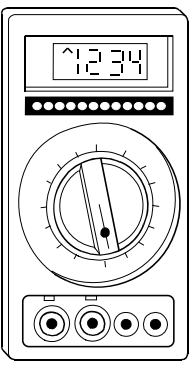
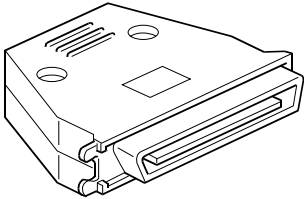
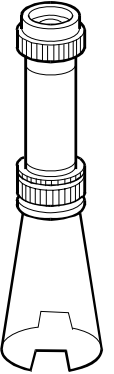
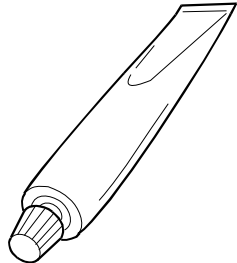
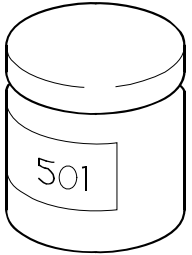
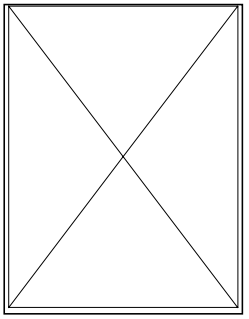
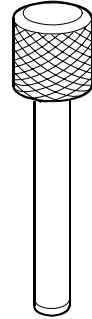
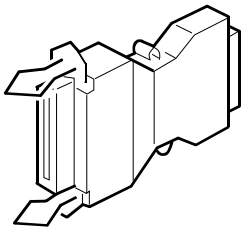
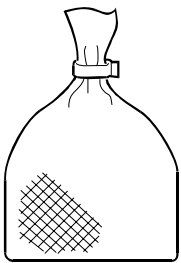


57.Decals and Documents (B222/B224)

Index No.	Part No.	Description	Q'ty Per Assembly
1	AA00 0239	Decal:Color:MFP	1
2	B132 1573	Decal - Power Source:Off	1
3	B223 2644	Decal:Scale	1
4	B223 2645	Decal:Side Fence	1
5	B223 2655	Decal:Paper Set Direction	1
6	B223 2873	Decal - Side Fence Rear	1
7	B223 4394	Decal:Warning (high Temperature)	1
8	B223 4397	Decal:Warning (high Temperature)	1
9	B223 4492	Decal:Open And Close	1
10	B229 1397	Decal:Caution:Original:EU	1
11	B237 1355	Decal - Main Switch EU OP	1
12	B237 1372	Decal - Main Switch On-standby	1
13	B237 1595	Decal - Caution Original	1
14	B237 2521	Decal - Paper Set Direction No.1	1
15	B238 1362	Decal - Misfeed Removal B1	1
16	B238 1368	Decal - Cleaning	1
17	B238 1372	Decal - Main Switch(on-off)	1
18	B238 2523	Decal - Paper Set Direction No.2	1
19	B238 2524	Decal - Paper Size	1
20	B238 2526	Decal - Grip	1
21	B238 2527	Decal - Grip	1
22	B238 3364	Decal:Colored Display:BK:Inner Cover	1
22	B238 3365	Decal:Colored Display:Y:Inner Cover	1
22	B238 3366	Decal:Colored Display:C:Inner Cover	1
22	B238 3367	Decal:Colored Display:M:Inner Cover	1
23	B652 1807	Decal:Size:Original	1
24	B652 2379	Decal:Caution:Original:5-lang	1
25	B789 6031	Decal - Original Table	1
26	B802 6011	Decal:Side Fence	1
27	B802 6012	Decal:Misfeed Removal:Original	1
28	B802 6014	Decal:Display:Misfeed Removal:P2	1
29	B802 6013	Decal:Display:Misfeed Removal:P1	1
30	B802 6015	Decal:Display:Misfeed Removal:P3	1
31	GA00 3030	Decal - Shielding Plate Y	1
31	GA00 3031	Decal - Shielding Plate M	1

Index No.	Part No.	Description	Q'ty Per Assembly
31	GA00 3032	Decal - Shielding Plate C	1
31	GA00 3033	Decal - Shielding Plate K	1
32	GA00 3167	Decal:Caution:Inkjet:NA	1

58.Special Tools (B222/B224)

1	2	3	4	5
				
6	7	8	9	10
				
11	12	13		
				

58.Special Tools (B222/B224)

Index No.	Part No.	Description	Q'ty Per Assembly
1	B645 5010	SD Card	1
2	B645 6705	PCMCIA Card Adapter	1
3	B645 6820	USB Reader/Writer	1
4	VSSM 9000	Digital Multimeter - FLUKE87	1
5	G021 9350	Loop-back Connector - Parallel	1
6	C401 9503	20X Magnification Scope	1
7	A257 9300	Grease Barrierta - S552R	1
8	5203 9502	Silicone Grease G-501	1
9	A092 9503	C4 Color Test Chart (3 pcs/set)	1
10	A006 9104	Scanner Positioning Pin (4 pcs/set)	1
11	B679 5100	Plug - IEEE1284 Type C	1
12	B132 9700	Lubricant Powder	1
13	B230 9640	Developer:BK	1
13	B230 9660	Developer:C	1
13	B230 9670	Developer:M	1
13	B230 9680	Developer:Y	1

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

Parts Index

PM Parts Index

Section Name	Part No.	Description in Service Manual	Description in Parts Catalog	Q'ty Per Assembly	Page and Index No.
Exterior 1 (B222/B224)	B223 1348	Filter:Image Forming Md	Filter:Image Forming MD	2	13 - 2
	B223 1277	Ozone Filter:No.1	Ozone Filter:No.1	1	13 - 9
	B223 1276	Filter:Right Rear	Filter:Right Rear	1	13 - 22
Exterior 2 (B222/B224)	B223 1278	Ozone Filter:No.2	Ozone Filter:No.2	2	15 - 13
Original Feed 2 (B222/B224)	B802 4361	Roller:Pickup	Roller:Pickup	1	25 - 6
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