

8

Parts and diagrams

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Introduction

The figures in this chapter show the major subassemblies in the printer and their component parts. A table (materials list) follows each exploded assembly diagram. Each table lists the reference designator (item number), the associated part number, and the description of each part.

Note When looking for a part number, pay careful attention to the voltage listed in the description column to ensure that the part number selected is for the correct printer model.

Note In this manual, the abbreviation "PCB" stands for "printed circuit board assembly." Components described as a PCB may consist of a single circuit board or a circuit board plus other parts, such as cables and sensors.

Ordering parts

All standard part numbers are stocked and can be ordered from Hewlett-Packard Customer Support-Americas (HPCS-A) or Hewlett-Packard Customer Support-Europe (HPCS-E). For information about contacting HPCS-A or HPCS-E, see [Parts and supplies](#), in chapter 2.

Note Parts that have no reference designator or part number are not field replaceable and cannot be ordered.

Supplies and accessories

The items listed in Table 8-1 are available through your local authorized HP dealer. To find a dealer near you, or if your local dealer is temporarily out of stock, call the HP Customer Information Center at (800) 752-0900.

Note See [Ordering related documentation and software](#), in chapter 2, for documentation part numbers.

Supplies and accessories are available directly from Hewlett-Packard at the following numbers:

- U.S.: (800) 538-8787
- Canada: (800) 387-3154, (Toronto) (416) 671-8383
- United Kingdom: 0734-441212

Contact your local HP Parts Coordinator for other local phone numbers.

Note Any item or part description followed by (HP3500) or (HP3700) indicates that the item or part is for use for the HP Color LaserJet 3500 series printer or the HP Color LaserJet 3700 series printer only.

Table 8-1 Supplies and accessories

Part	Product number	Part number	Description
Firmware DIMMs		C9719-67901	16/64 programmed firmware DIMM
		Q3992-67901	16/128 programmed firmware DIMM for the HP 3700dn and HP 3700dtn bundles only
Flash Memory (DIMMs)	C4287A	C9665-67951	4 MB Flash DIMM
Memory upgrades (DIMMs)	C7848A	C7848-67901	Synchronous 64 MB DIMM (SDRAM)
	C7850A	C7850-67901	Synchronous 128 MB DIMM (SDRAM)
	C9653A	C9653-67901	Synchronous 256 MB DIMM (SDRAM)
Accessories	Q2486A	Q2486-67901	Optional 500-sheet paper feeder (Tray 3) Internal (EIO) connectivity for the HP Color LaserJet 3700series printer
Internal (EIO) I/O PCB (Exchange part) Connectivity for the HP Color LaserJet 3700 series printer	J6057A	J6057-69001	HP Jetdirect 615n internal print server (10/100-TX, Ethernet, Hi-Speed USB 2.0)
	J4167A		HP Jetdirect 610n print server (Token Ring)
	J6058A		HP Jetdirect 680n 802.11b wireless print server
	J4135A		HP Jetdirect connectivity card (USB, serial, and LocalTalk)
External (EX) I/O PCB Exchange Connectivity for the HP Color LaserJet 3500 series printer	J7942A	J7942-69001	HP Jetdirect en3700 external print server (10/100base Tx, USB 2.0 Hi-speed) exchange
	J6061A		HP Jetdirect 380x 802.11b wireless print server (USB 1.1)
	J6035B		HP Jetdirect 175x print server (fast Ethernet, 10/100base Tx, USB 1.1)
	J6072A		HP bt1300 Bluetooth wireless printer adapter (for USB or parallel)
External (EX) connectivity for the HP Color LaserJet 3700 series printer	J3264A	J7942-69001	HP Jetdirect 500x print server (Token Ring)

Table 8-1 Supplies and accessories (continued)

Part	Product number	Part number	Description
	J3265A		HP Jetdirect 500x print server (fast Ethernet)
	J3258B		HP Jetdirect 170x print server (Ethernet)
	J7942A		HP Jetdirect en3700 external print server (10/100base Tx, Hi-Speed USB 2.0)
	J6061A		HP Jetdirect 380x 802.11b wireless print server (USB 1.1)
	J6035B		HP Jetdirect 175x print server (fast Ethernet 10/100base Tx, USB 1.1)
	J6072A		HP bt1300 Bluetooth wireless printer adapter (for USB or parallel)
Supplies for the HP Color LaserJet 3500 series printer	Q2670A		Black print cartridge for the HP Color LaserJet 3500 series printer
	Q2671A		Cyan print cartridge for the HP Color LaserJet 3500 series printer
	Q2672A		Yellow print cartridge for the HP Color LaserJet 3500 series printer
	Q2773A		Magenta print cartridge for the HP Color LaserJet 3500 series printer
	Q3658A	Q3658-69001	Image transfer kit
	Q3655A	Q3655-69001	Image fuser kit (110-127V)
	Q3656A	Q3656-69001	Image fuser kit (220-240V)
Supplies for the 3700 series printer	Q2670A		Black print cartridge for the HP Color LaserJet 3700 series printer
	Q2681A		Cyan print cartridge for the HP Color LaserJet 3700 series printer
	Q2682A		Yellow print cartridge for the HP Color LaserJet 3700 series printer
	Q2683A		Magenta print cartridge for the HP Color LaserJet 3700 series printer
	Q3658A	Q3658-69001	Image transfer kit
	Q3655A	Q3655-69001	Image fuser kit (110-127V)
	Q3656A	Q3656-69001	Image fuser kit (220-240V)
Cables	C2946A		IEEE-1284 compliant parallel cable, 3 m (approximately 10 feet) long, with 25-pin male/ micro 36-pin male ("C" size) connector
	C6518A		USB (2-meter standard)
	C6520A		USB 2.0 printer cable (3-meter)

Table 8-1 Supplies and accessories (continued)

Part	Product number	Part number	Description
Paper	C2934A		50 sheets HP Color LaserJet Transparencies (letter)
	C2936A		50 sheets HP Color LaserJet Transparencies (A4)
	Q2419A		HP LaserJet High Gloss paper (letter)
	C4179A		200 sheets HP LaserJet Soft Gloss paper (letter)
	C4179B		200 sheets HP LaserJet Soft Gloss paper (A4)
	Q1298A		HP LaserJet Tough paper (letter)
	Q1298B		HP LaserJet Tough paper (A4)
	HPU1132		HP Premium Choice LaserJet paper (letter)
	CHP410		HP Premium Choice LaserJet paper (A4)
	HPJ1124		HP LaserJet paper (letter)
	CHP310		HP LaserJet paper (A4)
Reference materials		5851-1468	HP LaserJet Printer Family Print Media Specification Guide
		5021-0337	PCL/PJL Technical Reference Package For downloadable versions, go to http://www.hp.com/support/clj3500 or http://www.hp.com/support/clj3700 . When connected, select Manuals.
		Q1321-60117	Service training kit
		Q1321-60115	Service support CD
Ferrite Cores		5851-1782	Power supply cable
		5851-1781	Formatter cable
Panel overlays		Q1321-67901	French overlay
		Q1321-67902	German overlay
		Q1321-67903	Italian overlay
		Q1321-67904	Spanish overlay
		Q1321-67905	Danish overlay
		Q1321-67906	Dutch overlay
		Q1321-67907	Finnish overlay
		Q1321-67908	Norwegian overlay
		Q1321-67909	Portuguese overlay
		Q1321-67910	Swedish overlay

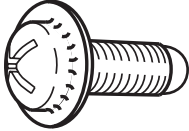





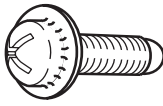

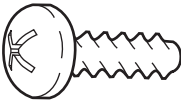
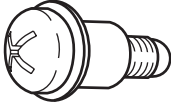
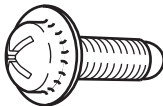
Table 8-1 Supplies and accessories (continued)

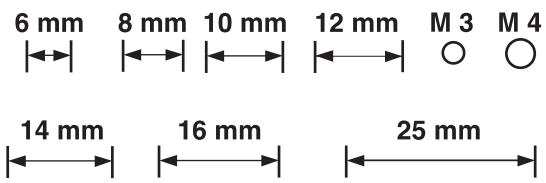
Part	Product number	Part number	Description
		Q1321-67911	Czech overlay
		Q1321-67912	Hungarian overlay
		Q1321-67913	Polish overlay
		Q1321-67914	Russian overlay
		Q1321-67915	Turkish overlay
		Q1321-67916	Arabic overlay
		Q1321-67917	Greek overlay
		Q1321-67918	Hebrew overlay
		Q1321-67919	Japanese overlay
		Q1321-67920	Korean overlay
		Q1321-67921	Simplified Chinese overlay
		Q1321-67922	Traditional Chinese overlay
Reference materials		5963-7863	<i>HP LaserJet Printer Family Paper Specifications Guide</i>
		5021-0337	PCL/PJL Technical Reference Package CD-ROM
Supplies		Q2670-67901	Black Print Cartridge-CLJ 3500/3700
		Q2670-67902	Black Print Cartridge-CLJ 3500/3700 (Europe)
		Q2671-67901	Cyan Print Cartridge-CLJ 3500
		Q2671-67902	Cyan Print Cartridge-CLJ 3500 (Europe)
		Q2681-67901	Cyan Print Cartridge-CLJ 3700
		Q2681-67902	Cyan Print Cartridge-CLJ 3700 (Europe)
		Q2672-67901	Yellow Print Cartridge-CLJ 3500
		Q2672-67902	Yellow Print Cartridge-CLJ 3500 (Europe)
		Q2682-67901	Yellow Print Cartridge-CLJ 3700
		Q2682-67901	Yellow Print Cartridge-CLJ 3700 (Europe)
		Q2673-67901	Magenta Print Cartridge-CLJ 3500
		Q2673-67902	Magenta Print Cartridge-CLJ 3500 (Europe)
		Q2683-67901	Magenta Print Cartridge-CLJ 3700
		Q2683-67902	Magenta Print Cartridge-CLJ 3700 (Europe)
		5090-3379	Toner cleaning cloth

Note

The only difference between the print cartridges listed above is that the Europe-only print cartridges have different languages on the instruction sheet inside the box. 8Common fasteners

Table 8-2 Common fasteners

Illustration	Description	Size	Part number	Use
	SCREW, TP	M4X6	XA9-1450-000CN	Secures metal frame panels to metal frame panels.
	SCREW, W/ WASHER	M3X6	XA9-1477-000CN	Secures the drawer, cross member, to the frame (see figure 8-8).
	SCREW, W/ WASHER, RS	M3X6	XA9-1461-000CN	Secures motor (M2) to the frame.
	SCREW W/ WASHER	M3X8	XA9-1420-000CN	Secures metal to metal (ground wire, feed guide rear two screws)
	SCREW, W/ WASHER	M3X12	XA9-1452-000CN	Secures laser/scanner assembly to the metal frame.
	SCREW, RS	M3X6	XA9-1499-000CN	Secures metal to metal.
	SCREW, RS	M3X8	XA9-1445-000CN	secures any material (except metal) to metal
	SCREW, TP		XB4-7300-805CN	Secures sensor PCB to plastic (environmental, toner full, color misregistration, and media).
	SCREW, TAPPING, TRUSS HEAD	M4X10	XB4-7401-005CN	secures anything to plastic
	SCREW, STEPPED	M4X4.5	RC1-1624000CN	Secures the right side of the pick-up/feed assembly to the frame.
	SCREW, S	M3X8	XA9-1500-000CN	Secures plastic to metal: front door components, rear swing guide rail, components to center frame (see figure 8-12)



Replacement parts configuration

When the parts in the list below are replaced, specific tasks need to be performed. These parts include:

- Formatter and DC Controller replaced at the same time
- Formatter (new and previously installed in another printer)
- DC Controller (new and previously installed in another printer)
- Media sensor (PS5)
- Color Misregistration Sensor (PS12)
- Laser Scanner Assembly
- Fuser
- Transfer unit (ITB assembly)

Configuration procedures for these parts are described in the following sections.

Formatter and DC Controller replaced at the same time

Do not replace both the formatter and the DC Controller at the same time. Replace one at a time. If the formatter and DC Controller are replaced at the same time in an HP Color LaserJet 3700 series printer that has the ability to perform duplex printing, this functionality will be lost. To determine if the printer can duplex, print a configuration page from the INFORMATION menu and reference Paper Trays and Options. If Duplex Unit is listed, the printer is able to duplex and the formatter and DC Controller should be replaced one at a time.

If the DC Controller and Formatter are replaced one at a time, then the duplex printing capability will be transferred to the new DC controller or Formatter.

A printer specific PJI file will be needed to re-enable duplexing in the current printer (will not work on any other printer), if both the formatter and DC Controller are replaced at the same time. This file will only work in the current printer. Call for assistance from HP Support to obtain the PJI file. Also, perform the Formatter and DC Controller replacement steps as required below.

Formatter (New) replacement configuration

The values for Total Mono Pages, Total Color Pages, Serial Number, Service ID, Cold Reset Paper (if needed), and the Fuser Kit Count will need to be reset using the service menu.

Note

The Transfer Kit count will be unaffected by the replacement of a formatter.

Print a configuration page and a supplies status page in the INFORMATION menu to obtain the page counts, counts for any of the supplies, serial number, and the born-on date. If a configuration page and a supplies status page cannot be printed, this information can be obtained from the Service menu prior to replacing the formatter.

To ensure optimum print quality, the printer will need to be calibrated by performing 3 Calibrate Now's using the printer control panel by selecting CONFIGURE DEVICE / PRINT QUALITY / CALIBRATE NOW.

Formatter (previously installed in another printer) replacement configuration

When the formatter PCB is being replaced with one that was installed in another printer, an NVRAM initialization will need to be performed. Before doing an NVRAM INIT, print a configuration page and a supplies status page in the INFORMATION menu to obtain the page counts, counts for any of the supplies, serial number, and the born-on date. If a configuration page and a supplies status page cannot be printed, this information can be obtained from the Service menu prior to replacing the formatter or performing this action.

- 1 To perform an NVRAM initialization follow the procedure below.
- 2 Press and hold the ▼ button after powering up until all LEDs are on, then release the ▼ button.
- 3 Press the ▲ button once and release.
- 4 Press **Menu** once and release. The list of choices will be displayed.
- 5 Press ▼ or ▲ until NVRAM INIT is highlighted.
- 6 Press ✓ to invoke an NVRAM INIT.

In addition, the Total Mono Pages, Total Color Pages, Serial Number, Service ID, Cold Reset Paper (if needed), and the Fuser Kit Count will need to be reset using the service menu. The Transfer Kit count will be unaffected by the replacement of a formatter.

To ensure optimum print quality, the printer will need to be calibrated by performing 3 Calibrate Now's using the printer control panel by selecting CONFIGURE DEVICE / PRINT QUALITY / CALIBRATE NOW.

DC Controller (New) replacement configuration

To ensure optimum print quality, the printer will need to be calibrated by performing 3 Calibrate Now's using the printer control panel by selecting CONFIGURE DEVICE / PRINT QUALITY / CALIBRATE NOW.

Light intensity of the media sensor must be adjusted. Follow the procedure below to adjust the light intensity.

- 1 Turn the printer OFF.
- 2 Open the front cover.
- 3 While pressing the engine test print switch on the left side of the printer (see **Figure 7-16**), turn the printer ON.
- 4 Close the front cover.
- 5 Load plain white paper in the Tray 1.
- 6 As the printer goes into READY period, press the engine test print switch and test print.
- 7 One sheet of paper will be fed into the printer from the Tray 1 and will be delivered to the face-down delivery tray.

DC Controller (previously installed in another printer) replacement configuration

To ensure optimum print quality, the printer needs to be calibrated by performing 3 Calibrate Now's using the printer control panel by selecting CONFIGURE DEVICE / PRINT QUALITY / CALIBRATE NOW, see [Calibrate Now](#), in chapter 7.

Light intensity of the media sensor must be adjusted. Follow the procedure below to adjust the light intensity.

- 1 Turn the printer OFF.
- 2 Open the front cover.
- 3 While pressing the engine test print switch on the left side of the printer (see [Figure 7-16](#)), turn the printer ON.
- 4 Close the front cover.
- 5 Load plain white paper in the Tray 1.
- 6 As the printer goes into READY period, press the engine test print switch and test print.
- 7 One sheet of paper will be fed into the printer from the Tray 1 and will be delivered to the face-down delivery tray.

The Transfer Kit count is set when it is first placed in a printer by a back up value contained on the formatter. If using a DC Controller that was previously installed in another printer, the Transfer Kit count will be set to the count of the first printer the DC Controller was installed in. The Transfer Kit count cannot be reset in the Service Menu. The Transfer Kit count can be reset to zero by setting CONFIGURE DEVICE / RESETS / RESET SUPPLIES / NEW TRANSFER KIT = YES. (Resetting the Transfer Kit count to zero after it has been used will result in using the Transfer Kit past it's specified life which may result in a failure before low is reached.)

Note

For the HP Color LaserJet 3700 series printer, a non-duplexing printer can obtain the ability to duplex if the DC Controller was previously installed in an HP Color LaserJet 3700 series printer that had duplexing.

Media sensor (PS5) replacement configuration

Light intensity of the media sensor must be adjusted. Follow the procedure below to adjust the light intensity.

- 1 Turn the printer OFF.
- 2 Open the front cover.
- 3 While pressing down the engine test print switch on the left side of the printer, turn the printer ON.
- 4 Close the front cover.
- 5 Load plain white paper in the Tray 1.
- 6 As the printer goes into READY period, press the engine test print switch and test print.
- 7 One piece of paper will be fed into the printer from the Tray 1 and will be delivered to the face down delivery tray.

Color Misregistration Sensor (PS12) replacement configuration

To ensure optimum print quality, the printer will need to be calibrated by performing 3 Calibrate Now's using the printer control panel by selecting CONFIGURE DEVICE / PRINT QUALITY / CALIBRATE NOW.

Laser/scanner Assembly replacement configuration

To ensure optimum print quality, the printer will need to be calibrated by performing 3 Calibrate Now's using the printer control panel by selecting CONFIGURE DEVICE / PRINT QUALITY / CALIBRATE NOW.

Fuser replacement configuration

Under normal circumstances, the printer will prompt you to order a new fuser when the control panel reads ORDER FUSER KIT. This message indicates the fuser is nearing its end of life. When you replace a fuser under these circumstances, the control panel will not automatically prompt you to reset the fuser count. If you continue printing with the ORDER FUSER KIT message it will eventually covert to the REPLACE FUSER KIT message. At that time printing is stopped and a new fuser must be installed. When you replace a fuser under these circumstances, the control panel automatically prompts you to reset the fuser count after you have installed the new fuser.

If you replace the fuser for any reason before the control panel reads REPLACE FUSER KIT, for instance if the fuser is defective, you will need to reset the fuser count manually through the control panel.

The Fuser Kit count can be reset to zero by setting CONFIGURE DEVICE / RESETS / RESET SUPPLIES / NEW FUSER KIT = YES.

Transfer unit (ITB assembly) replacement configuration

Under normal circumstances, the printer will prompt you to order a new transfer unit when the control panel reads ORDER TRANSFER KIT. This message indicates the transfer unit is nearing its end of life. When you replace a transfer unit under these circumstances, the control panel will not automatically prompt you to reset the transfer unit count. If you continue printing with the ORDER TRASFER KIT message it will eventually covert to the REPLACE TRANSFER KIT message. At that time printing is stopped and a new transfer unit must be installed. When you replace a transfer unit under these circumstances, the control panel automatically prompts you to reset the transfer unit count after you have installed the new transfer unit.

If you replace the transfer unit for any reason before the control panel reads REPLACE TRANSFER KIT, for instance if the transfer unit is defective, you will need to calibrate the printer and reset the transfer unit count manually through the control panel.

To ensure optimum print quality, the printer will need to be calibrated by performing 3 Calibrate Now's using the printer control panel by selecting CONFIGURE DEVICE / PRINT QUALITY / CALIBRATE NOW.

The Transfer Kit count can be reset to zero by setting CONFIGURE DEVICE / RESETS / RESET SUPPLIES / NEW TRANSFER KIT = YES.

Illustrations and parts lists

The following illustrations and parts tables list the field replaceable units (FRUs) for this printer. At the end of this chapter are two tables listing all of the parts shown in this chapter. Table 8-28, “Alphabetical parts list,” lists the parts in alphabetical order, and Table , “Numerical parts list,” lists the parts in numerical order by part number. Both tables list the appropriate figure in this chapter where the part can be found.

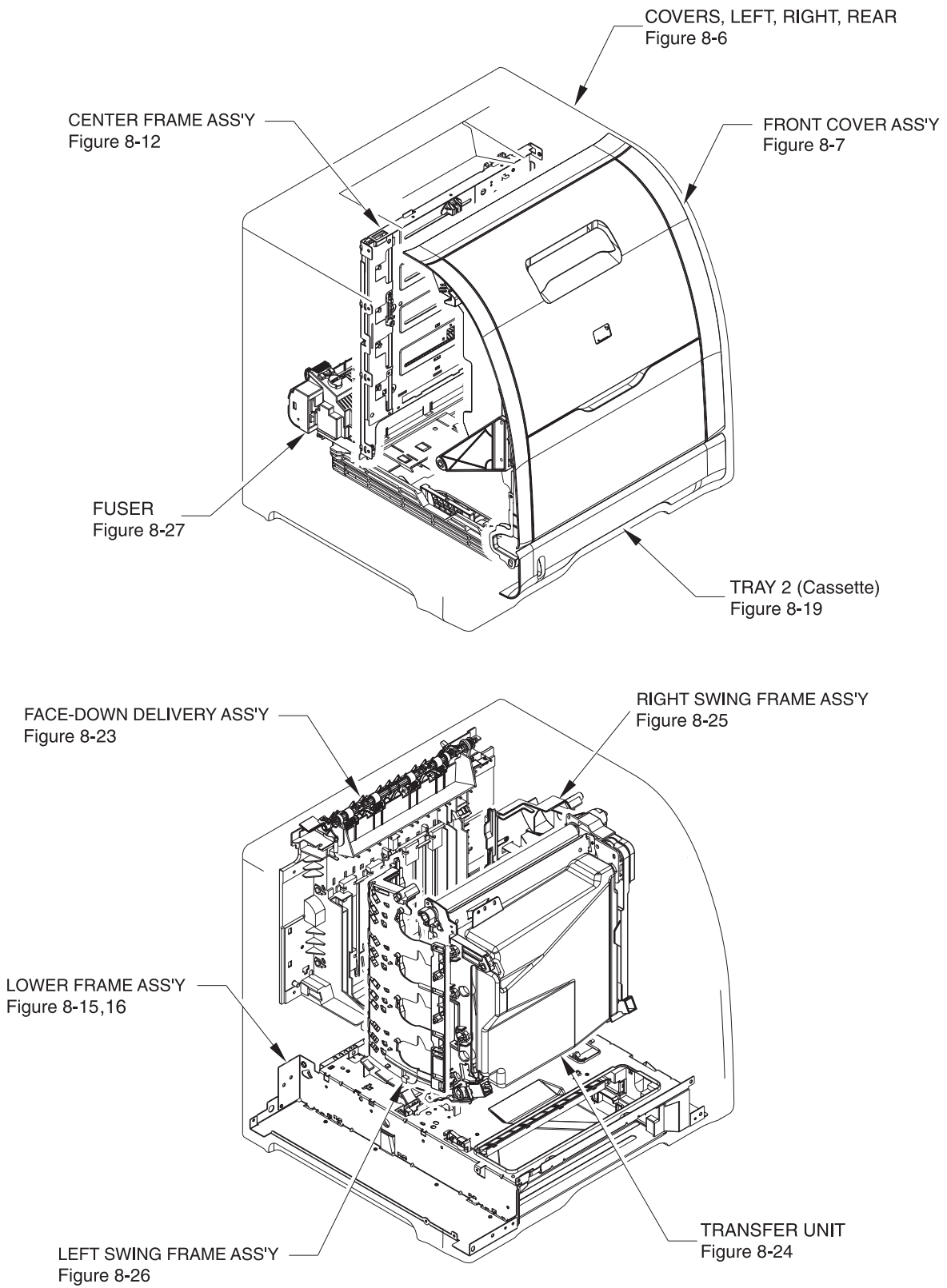


Figure 8-1 Main parts (1 of 3)

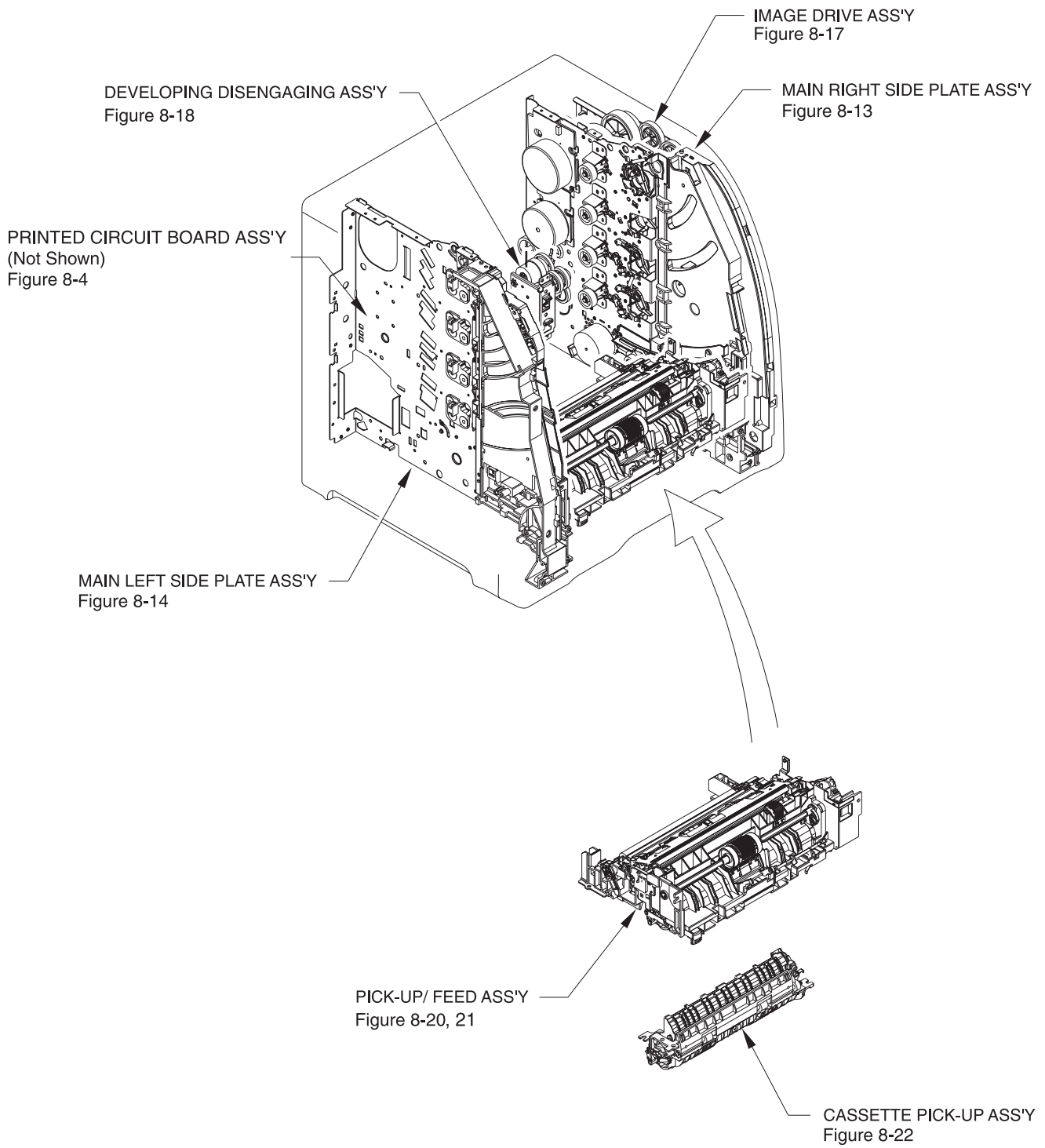


Figure 8-2 Main parts (2 of 3)

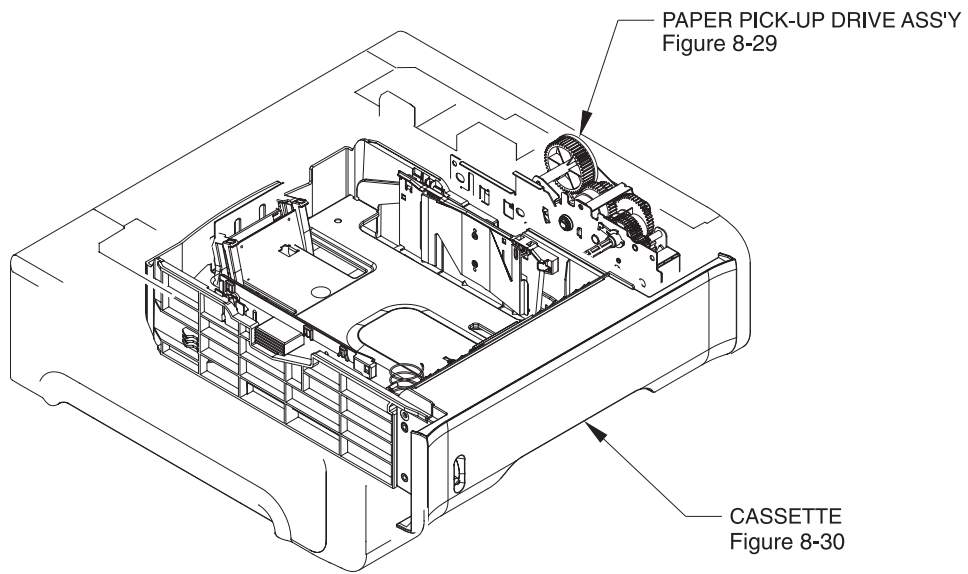


Figure 8-3 Main parts (3 of 3) 500-sheet paper feeder

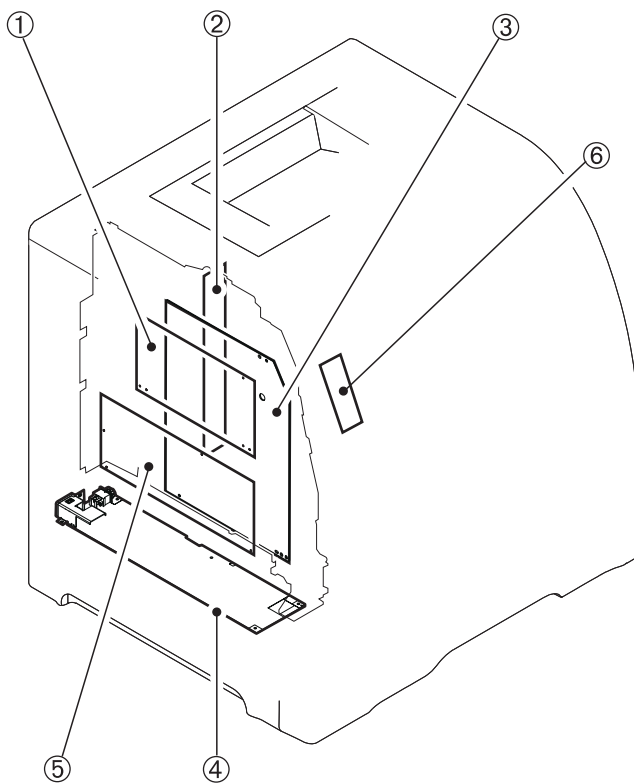


Figure 8-4 PCB locations (1 of 2)

Table 8-3 PCB locations

Ref	Description	Quantity	Part number
1	DC controller PCB (HP3500) DC controller PCB (HP3700)	1	RM1-0510-000CN RM1-0506-000CN
2	Memory controller PCB	1	RM1-0508-000CN
3	High-voltage power supply PCBs	1	RM1-0505-000CN
4	Low-voltage power supply PCB (110-127V) Low-voltage power supply PCB (220-240V)	1	RK2-0157-000CN RK2-0158-000CN
5	Formatter PCB (HP3500) Formatter PCB (HP3700)	1	Q1319-69001 Q1321-69001
6	Control panel PCB	1	RM1-0511-000CN

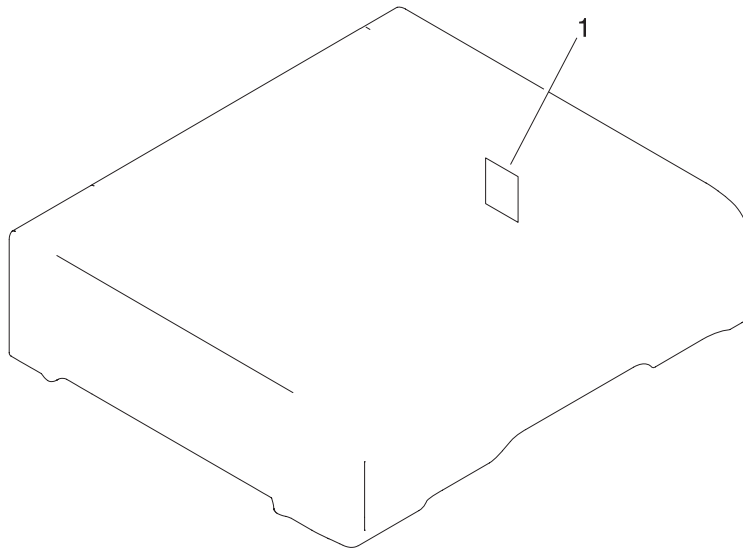


Figure 8-5 Paper Feeder PCB Assembly Location Diagram (2 of 2) R90 - 1

Table 8-4 Paper feeder PCB assembly location diagram

Ref	Description	Quantity	Part number
1	Paper feeder PCB	1	RM1-0768-000

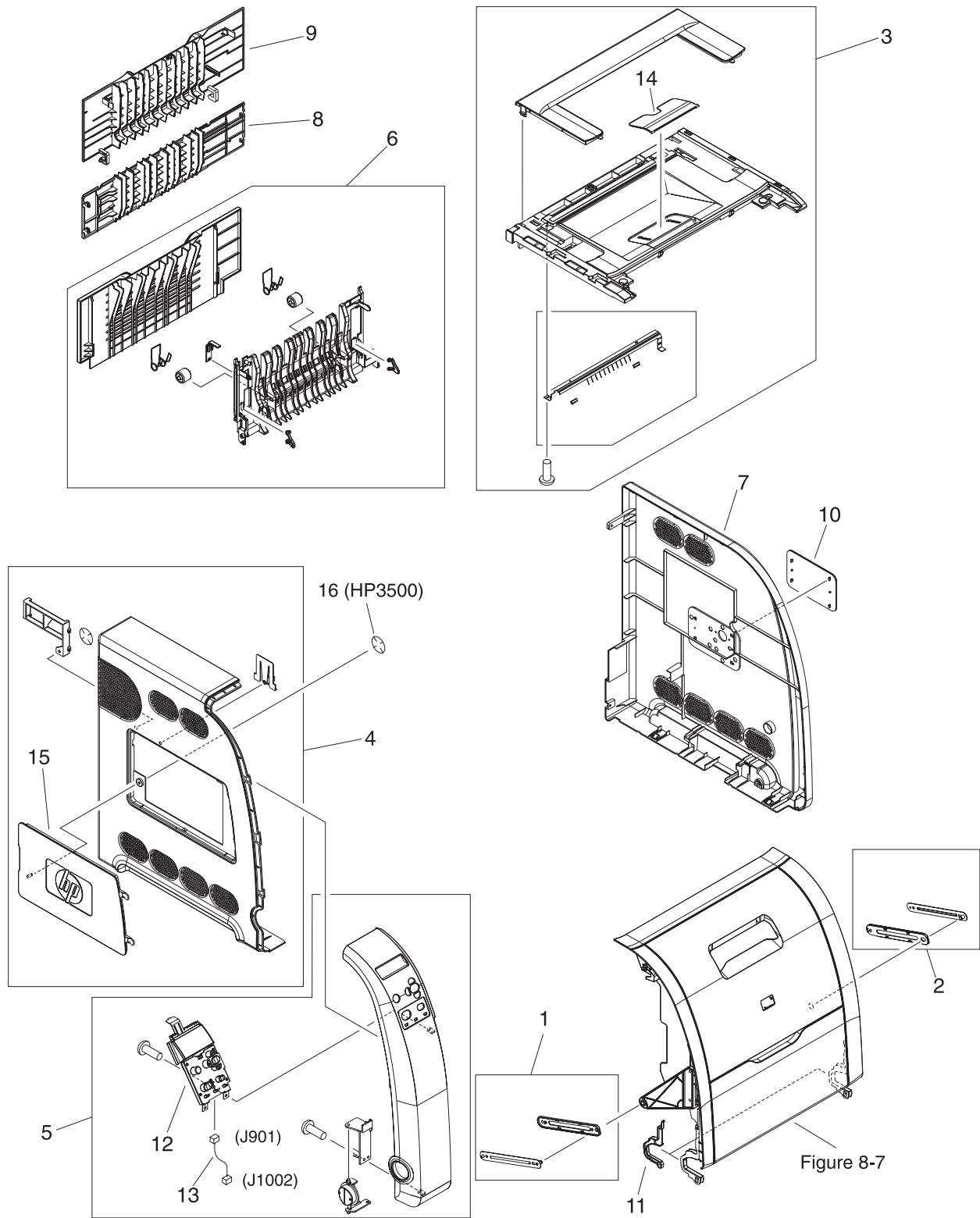


Figure 8-7

Figure 8-6 External covers and panels

Table 8-5 External covers and panels

Ref	Part number	Quantity	Description
1	RM1-0443-000CN	1	FRONT ROD LEFT ASS'Y
2	RM1-0444-000CN	1	FRONT ROD RIGHT ASS'Y
3	RM1-0465-000CN	1	TOP COVER ASS'Y
4	RM1-0466-000CN	1	LEFT COVER ASS'Y
5	RM1-0467-000CN	1	LEFT FRONT COVER ASS'Y
6	RM1-0468-000CN	1	FACE-UP TRAY ASS'Y
7	RC1-1563-000CN	1	COVER, RIGHT
8	RC1-1565-000CN	1	COVER, REAR
9	RC1-1566-000CN	1	COVER, JAM CLEARING
10	RC1-1600-000CN	1	PLATE, LOGO, RIGHT
11	RC1-2296-000CN	2	COVER, HINGE
12	RM1-0511-000CN	1	OPERATION PANEL ASS'Y.
13	RM1-0489-000CN	1	CABLE, OPERATION PANEL
14	RC1-1555-000CN	1	TRAY, AUXILIARY
15	RC1-1562-000CN	1	COVER, DIMM
16	XD2-2300-402CN	1	SE RING (HP3500)

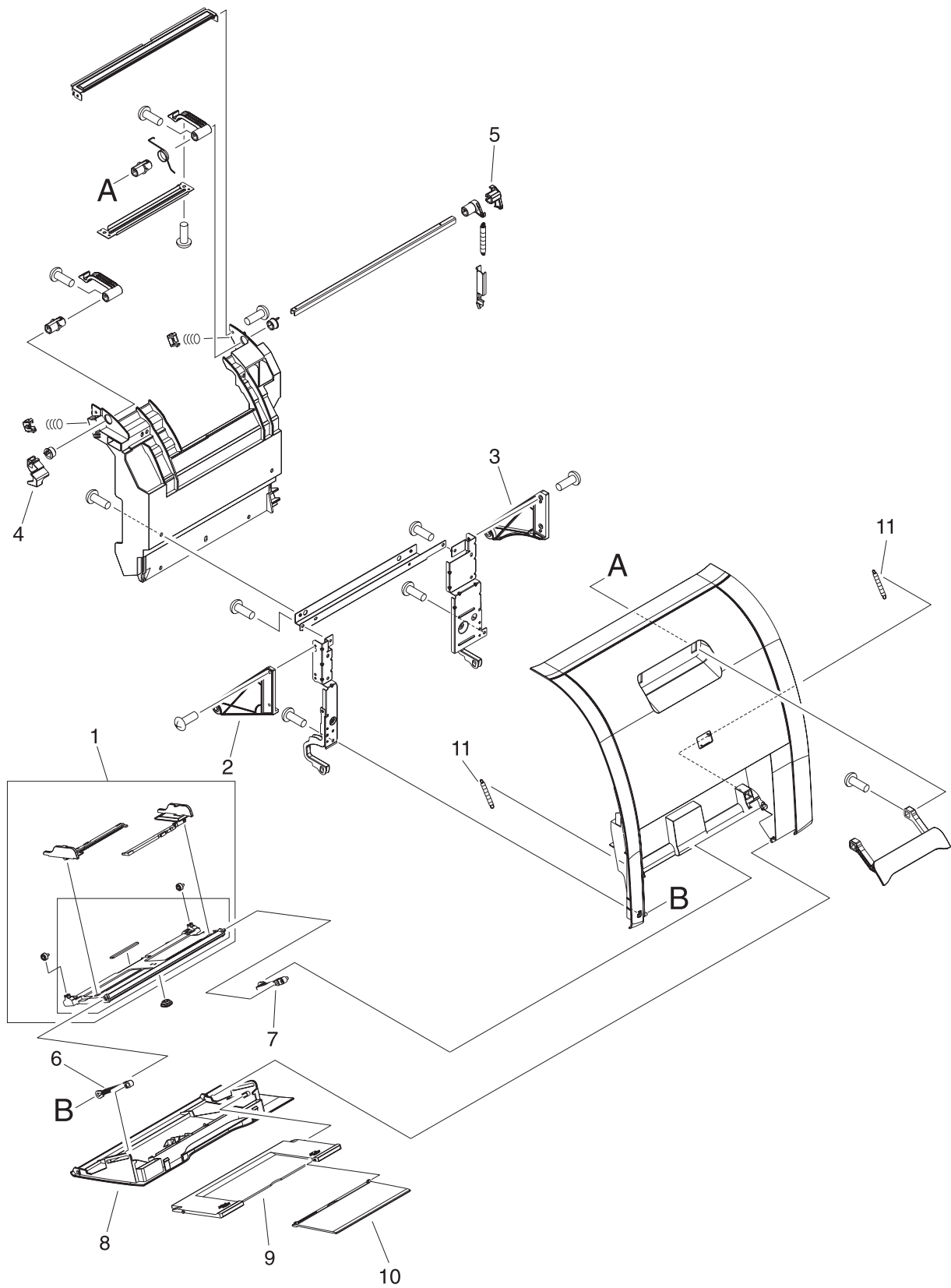


Figure 8-7 Front door assembly

Table 8-6 Front door assembly

Ref	Part number	Quantity	Description
	RM1-0463-000CN	1	FRONT DOOR ASSEMBLY
1	RM1-0464-000CN	1	MULTI-PURPOSE TRAY ASS'Y
2	RC1-1158-000CN	1	ROD, FRONT COVER, LEFT
3	RC1-1159-000CN	1	ROD, FRONT COVER, RIGHT
4	RC1-1176-000CN	1	LEVER, INTERLOCK SWITCH
5	RC1-1247-000CN	1	LEVER, ITB COUPLIN, 1
6	RC1-1575-000CN	1	LINK, MP HINGE, LEFT
7	RC1-1576-000CN	1	LINK, MP HINGE, RIGHT
8	RC1-1574-000CN	1	COVER, MP TRAY
9	RC1-2318-000CN	1	TRAY, EXPANSION, 1
10	RC1-2319-000CN	1	TRAY, EXPANSION, 2
11	RC1-1407-000CN	2	SPRING, TENSION

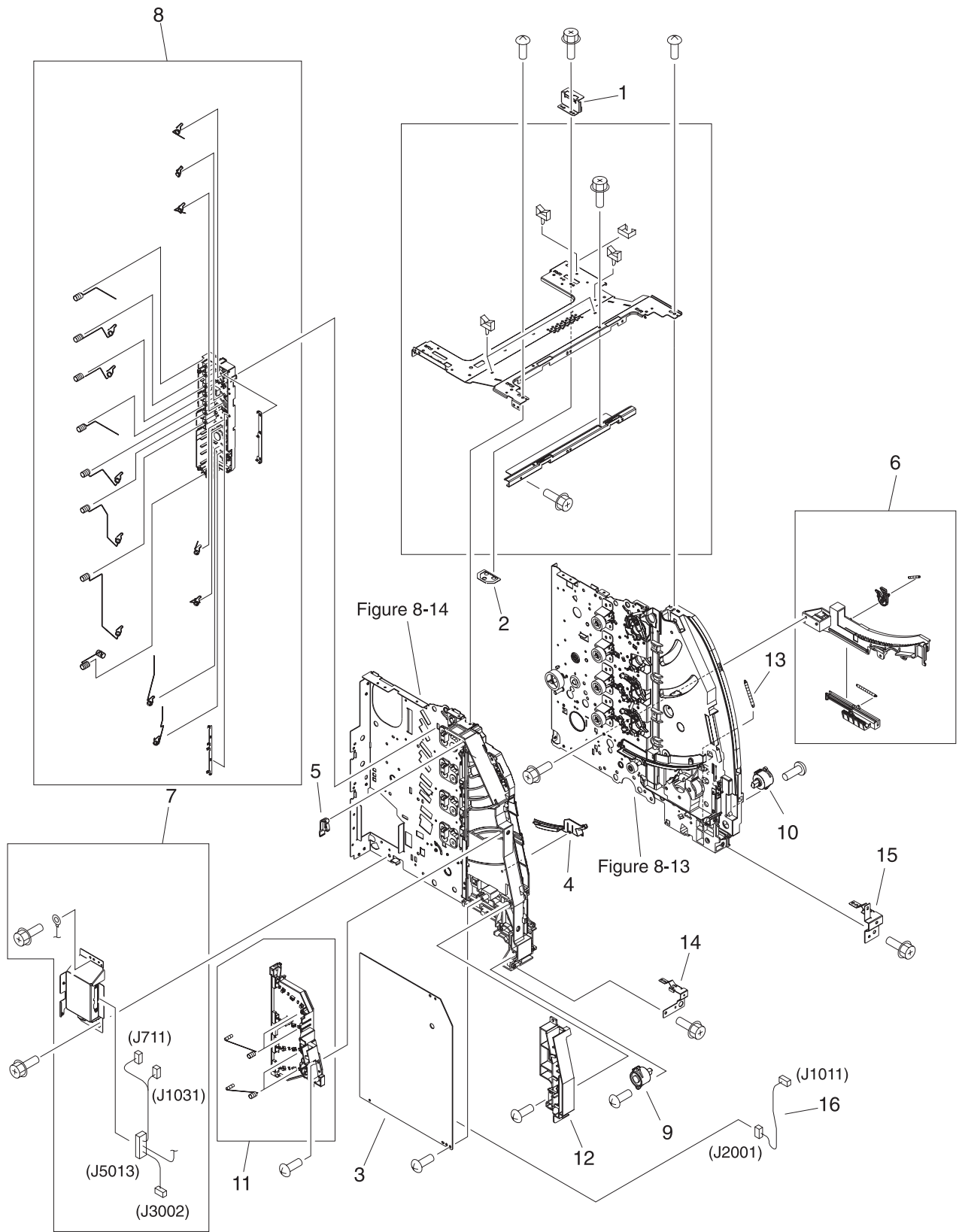


Figure 8-8 Internal components (1 of 4)

Table 8-7 Internal components (1 of 4)

Ref	Part number	Quantity	Description
1	RC1-1603-000CN	1	PLATE, JOINT, RIGHT
2	RC1-1605-000CN	1	COVER, SCREW
3	RM1-0505-000CN	1	HIGH-VOLTAGE PCB ASS'Y
4	RC1-1642-000CN	1	RAIL, SWING, LEFT FRONT
5	RC1-1175-000CN	1	ARM, INTERLOCK SWITCH
6	RM1-0438-000CN	1	LOCK GUIDE RIGHT ASS'Y
7	RM1-0440-000CN	1	DRAWER CROSSMEMBER ASS'Y
8	RM1-0446-000CN	1	DEVELOPING CONTACT ASS'Y
9	RC1-1572-000CN	1	DAMPER UNIT, HINGE, LEFT
10	RC1-1573-000CN	1	DAMPER UNIT, HINGE, RIGHT
11	RM1-0445-000CN	1	TRANSFER CONTACT ASS'Y
12	RC1-1342-000CN	1	GUIDE, HARNESS
13	RC1-1515-000CN	1	SPRING, TENSION
14	RL1-0215-000CN	1	STOPPER, FRONT HINGE, LEFT
15	RL1-0216-000CN	1	STOPPER, HINGE, RIGHT
16	RM1-0485-000CN	1	CABLE, HIGH VOLTAGE
17	RC1-1661-000CN	1	RAIL, SWING, RIGHT FRONT

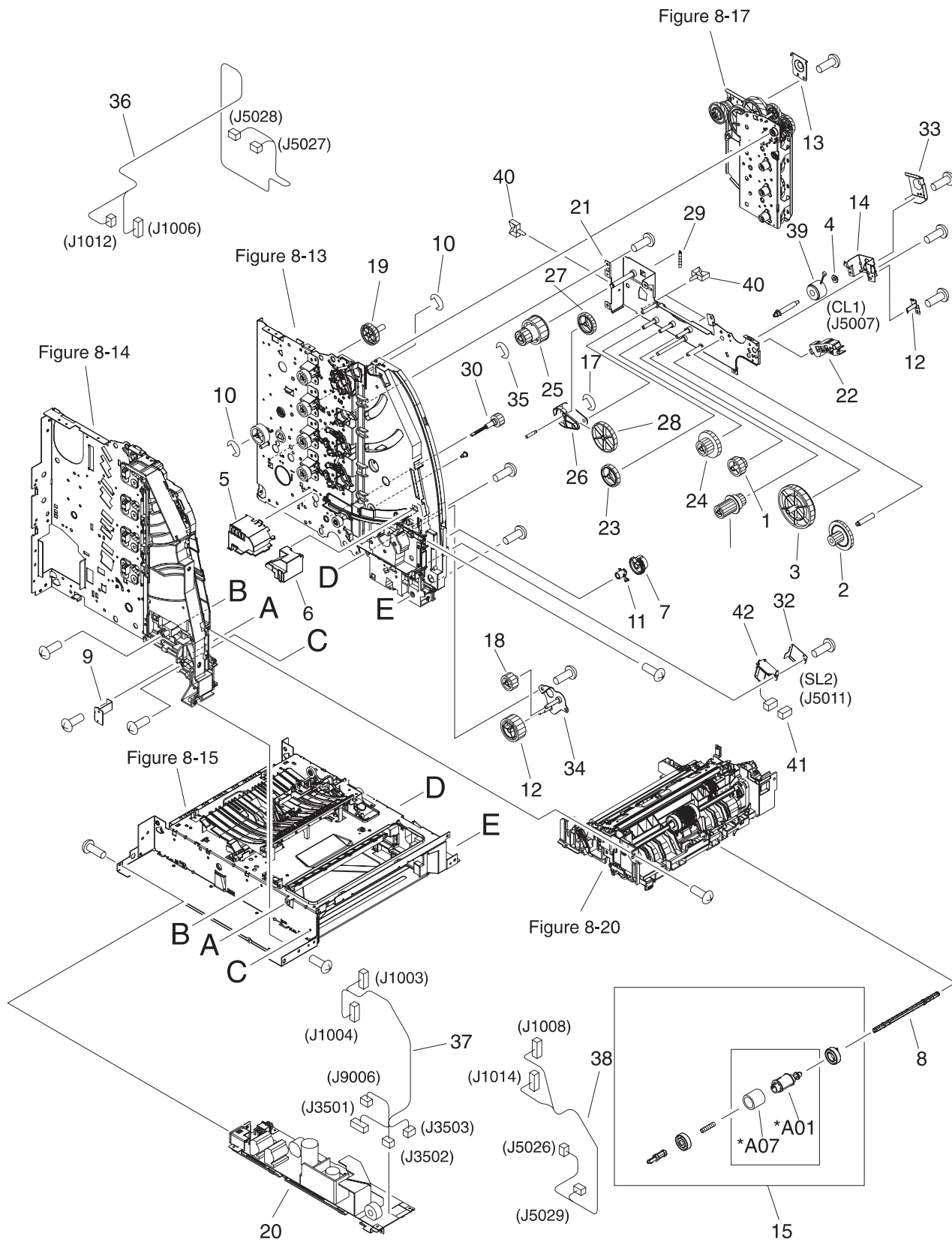


Figure 8-9 Internal components (2 of 4)

Table 8-8 Internal components (2 of 4)

Ref	Part number	Quantity	Description
1	RC1-1284-000CN	1	GEAR, 31T/19T
2	RC1-1300-000CN	1	GEAR, 54T/17T
3	RC1-1302-000CN	1	GEAR, 79T
4	RC1-1270-000CN	1	BUSHING
5	RC1-1353-000CN	1	COVER, MOTOR
6	RC1-1488-000CN	1	COVER, CONNECTOR
7	RC1-1497-000CN	1	GEAR, 25T
8	RC1-1500-000CN	1	SHAFT, DRIVE
9	RC1-1355-000CN	1	PLATE, MOUNTING
10	XD9-0136-000CN	2	RING, E
11	RC1-1630-000CN	1	BUSHING
12	RC1-1649-000CN	1	PLATE, GROUNDING
13	RC1-2385-000CN	1	PLATE, CLUTCH SHIELD
14	RC1-1186-000CN	1	MOUNT, REGISTRATION CLUTCH
15	RM1-0731-000CN	1	CASSETTE PICK-UP ROLLER ASS'Y
16	XD9-0134-000CN	1	RING, E
17	RC1-1294-000CN	1	GEAR, 43T
18	RC1-1295-000CN	1	GEAR, 27T
19	RC1-1224-000CN	1	GEAR, 50T/90T
20	RK2-0157-000CN	1	LOW-VOLTAGE PCB ASS'Y (110-127V)
20	RK2-0158-000CN	1	LOW-VOLTAGE PCB ASS'Y(220-240V)
21	RL1-0193-000CN	1	PLATE, PAPER FEEDER DRIVE
22	RC1-2334-000CN	1	GUIDE, CABLE
23	RC1-1281-000CN	1	GEAR, 39T
24	RC1-1283-000CN	1	GEAR, 26T/47T
25	RC1-1286-000CN	1	GEAR, 45T/25T
26	RC1-1287-000CN	1	HOLDER, GEAR
27	RC1-1288-000CN	1	GEAR, 38T
28	RC1-1291-000CN	1	GEAR, 104T/25T
29	RC1-1292-000CN	1	SPRING, TENSION
30	RC1-1493-000CN	1	GEAR, 20T
31	RC1-1298-000CN	1	GEAR, 26T/22T/20T
32	RC1-1665-000CN	1	COVER, CASSETTE
33	RC1-2379-000CN	1	PLATE, REGIST. CLUTCH SHIELD
34	RL1-0217-000CN	1	SUPPORT, PICK-UP GEAR
35	XD9-0137-000CN	1	RING, E

Table 8-8 Internal components (2 of 4) (continued)

Ref	Part number	Quantity	Description
36	RM1-0482-000CN	1	CABLE, CPR CONNECTING
37	RM1-0483-000CN	1	CABLE, FORMATTER POWER SUPPLY (HP3700)
37	RM1-0498-000CN	1	CABLE, FORMATTER POWER SUPPLY (HP3500)
38	RM1-0488-000CN	1	CABLE, LEFT FRONT
39	RK2-0247-000CN	1	CLUTCH, ELECTROMAGNETIC
40	WT2-5841-000CN	9	CLAMP, CABLE
41	VS1-5057-002CN	1	CONNECTOR, 2P
42	RK2-0141-000CN	1	SOLENOID

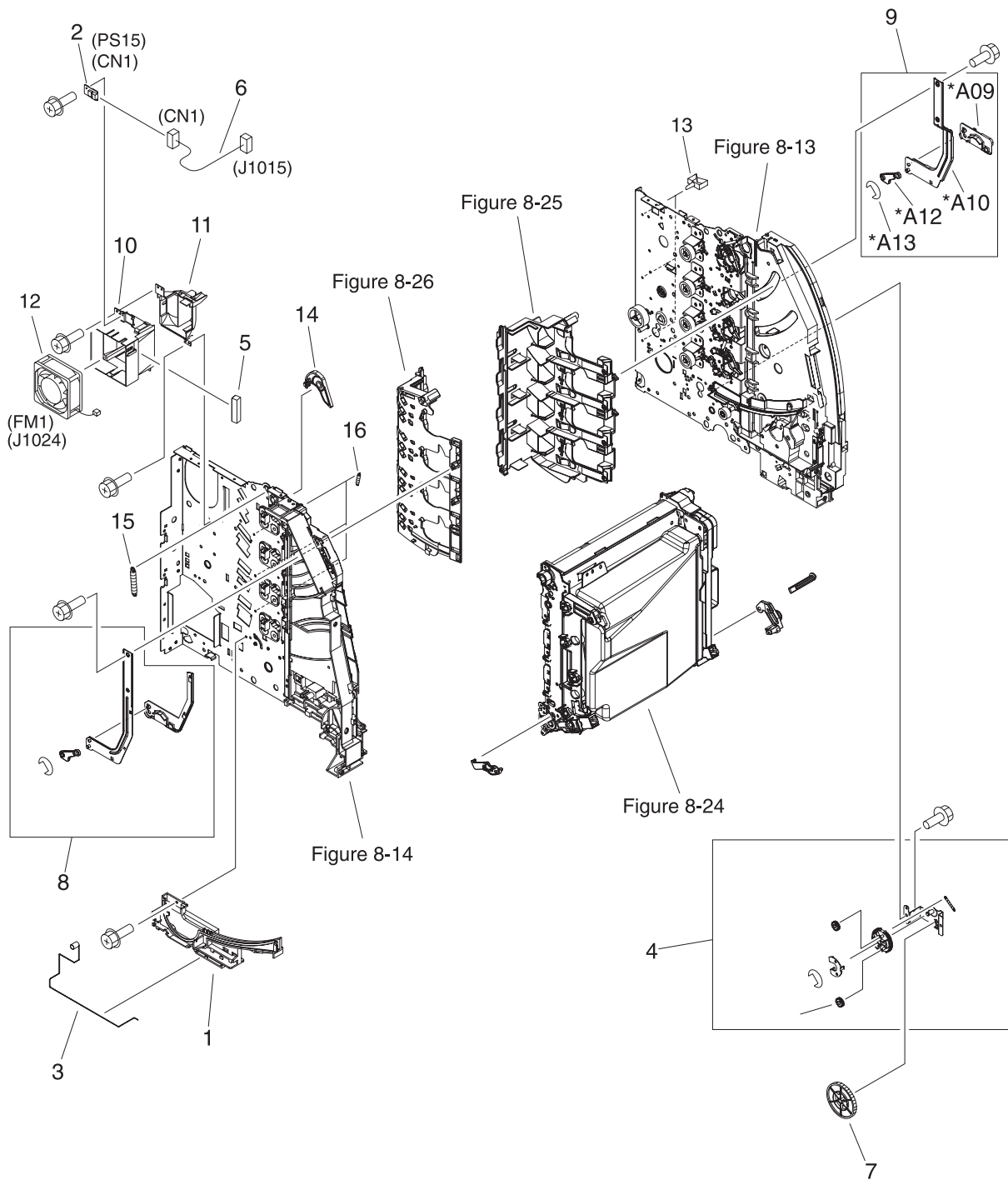


Figure 8-10 Internal components (3 of 4)

Table 8-9 Internal components (3 of 4)

Ref	Part number	Quantity	Description
1	RC1-1156-000CN	1	GUIDE, ROD, LEFT
2	WP2-5156-000CN	1	SENSOR UNIT, HUMIDITY
3	RC1-1177-000CN	1	SPRING, GROUNDING
4	RM1-0419-000CN	1	DEV. DISENGAGING DRIVE ASS'Y
5	RC1-2437-000CN	1	SHEET, CABLE RETAINING
6	RM1-0493-000CN	1	CABLE, ENVIRONMENT SENSOR
7	RC1-1252-000CN	1	GEAR, 120T/17T
8	RM1-0441-000CN	1	SWING ROD LEFT ASS'Y
9	RM1-0442-000CN	1	SWING ROD RIGHT ASS'Y
10	RC1-1345-000CN	1	DUCT, FAN
11	RC1-1350-000CN	1	DUCT, AIR, FRONT
12	RK2-0017-000CN	1	FAN (HP3700)
12	RK2-0153-000CN	1	FAN (HP3500)
13	WT2-5841-000CN	4	CLAMP, CABLE
14	RC1-1170-000CN	1	ARM, DRUM LOCK, LEFT
15	RC1-1184-000CN	1	SPRING, TENSION
16	RC1-1628-000CN	3	SPRING, TENSION

Table 8-10 Internal components (4 of 4)

Ref	Part number	Quantity	Description
1	RC1-1181-000CN	1	GUIDE, CABLE
2	RC1-1213-000CN	1	GEAR, 86T/23T
3	RC1-1602-000CN	1	PLATE, JOINT, LEFT
4	RM1-0506-000CN	1	DC CONTROLLER PCB (HP3700)
4	RM1-0510-000CN	1	DC CONTROLLER PCB (HP3500)
5	Q1321-69001		FORMATTER PCB (HP3700) includes cage
5	Q1319-69001	1	FORMATTER PCB (HP3500) includes cage
6	RC1-2236-000CN	1	COVER, CONTROLLER (HP3500)
7	RC1-2235-000CN	1	BASE, CONTROLLER (HP3500)
8	RC1-1354-000CN	1	DUCT, AIR
9	RC1-1348-000CN	1	PLATE, DC CONTROLLER SUPPORT
10	RC1-1347-000CN	1	ROD, POWER SWITCH
11	RM1-1142-000CN	1	LASER SCANNER ASS'Y
12	RC1-1593-000CN	1	BLOCK, TEST PRINT CONNECTING
13	RC1-2364-000CN	1	COVER, FMTR CABLE (HP3500)
14	RC1-2422-000CN	1	LABEL, HIGH TEMP. CAUTION
15	WT2-0507-000CN	1	CLAMP, CABLE
16	RK2-0150-000CN	1	MICROSWITCH
17	RM1-0477-000CN	1	CABLE, FD DELIVERY SENSOR
18	WT2-5738-000CN	1	CLAMP,CABLE
19	RK2-0162-000CN	1	CABLE, FFC (HP3700)
19	RK2-0179-000CN	1	CABLE, FFC(HP3500)
20	RK2-0163-000CN	1	CABLE, TM FFC
21	WT2-5754-000CN	2	CLAMP, CABLE
22	RK2-0165-000CN	1	CABLE, LASER FFC, 2
23	RK2-0164-000CN	1	CABLE, LASER FFC, 1
24	RM1-0475-000CN	1	CABLE, MAIN (HP3700)
24	RM1-0495-000CN	1	CABLE, MAIN (HP3500)

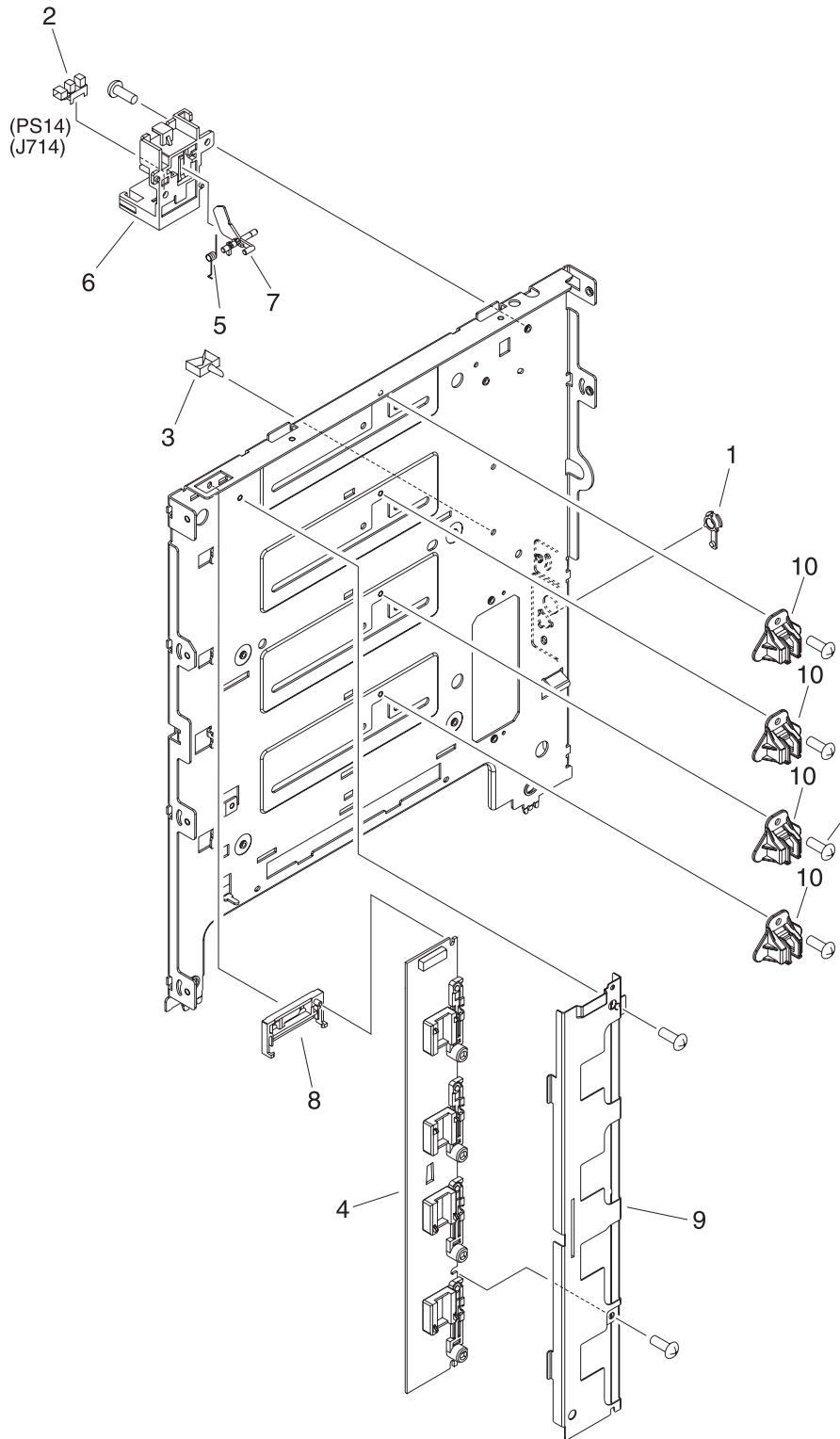


Figure 8-12 Center Frame Assembly

Table 8-11 Center frame assembly

Ref	Part number	Quantity	Description
1	RC1-1243-000CN	1	BUSHING
2	WG8-5362-000CN	1	PHOTO-INTERRUPTER, TLP1241
3	WT2-5841-000CN	1	CLAMP, CABLE
4	RM1-0508-000CN	1	MEMORY CONTROLLER PCB ASS'Y
5	RC1-1328-000CN	1	SPRING, TORSION
6	RC1-1329-000CN	1	HOLDER, SENSOR
7	RC1-1330-000CN	1	FLAG, SENSOR
8	RC1-1343-000CN	1	HOLDER, MEMORY CONTROLLER PCB
9	RC1-1349-000CN	1	PLATE, SHIELD
10	RC1-1640-000CN	4	COVER, LASER SHUTTER

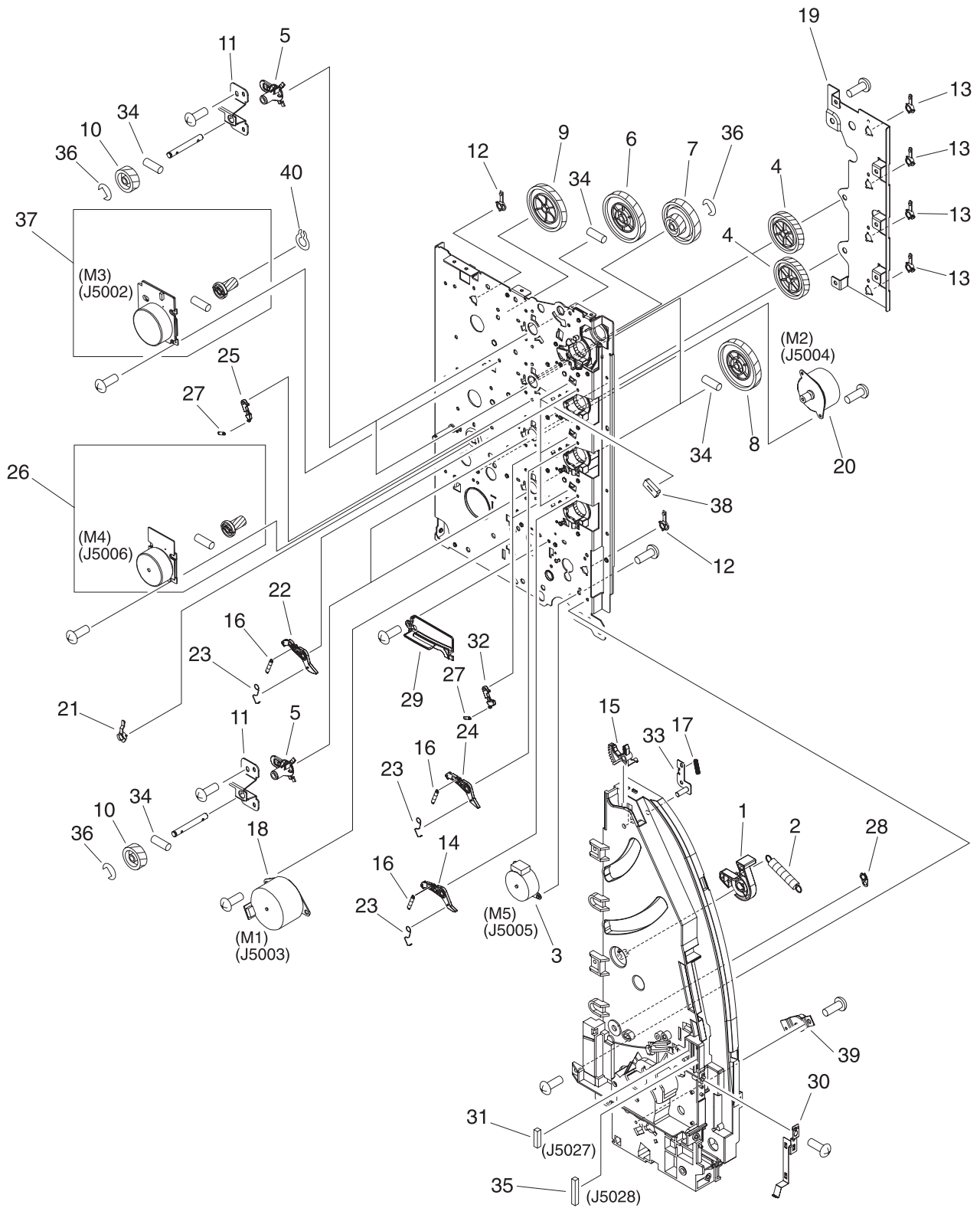


Figure 8-13 Main Right Side Plate Assembly / Motors

Table 8-12 Main right side plate assembly / Motors

Ref	Part number	Quantity	Description
1	RC1-1148-000CN	1	LEVER, SWING LOCK, RIGHT
2	RC1-1149-000CN	1	SPRING, TENSION
3	RK2-0139-000CN	1	MOTOR (M5)
4	RC1-1231-000CN	2	GEAR, 59T
5	RC1-1218-000CN	4	BUSHING
6	RC1-3240-000CN	1	GEAR, 74T
7	RC1-1229-000CN	1	GEAR, 90T/28T
8	RC1-1230-000CN	4	GEAR, 74T
9	RC1-1233-000CN	1	GEAR, 69T
10	RC1-1234-000CN	4	GEAR, 29T
11	RC1-1242-000CN	4	PLATE, REINFORCEMENT
12	RC1-1243-000CN	2	BUSHING
13	RC1-1244-000CN	4	BUSHING
14	RC1-1246-000CN	1	ARM, DRUM LOCK, RIGHT
15	RC1-1248-000CN	1	LEVER, I.T.B. COUPLING
16	RC1-1259-000CN	4	SPRING, TENSION
17	RC1-1260-000CN	1	SPRING, TENSION
18	RK2-0137-000CN	1	MOTOR (M1)
19	RC1-1277-000CN	1	PLATE, DRIVE
20	RK2-0138-000CN	1	MOTOR (M2)
21	RC1-1310-000CN	1	BUSHING
22	RC1-1362-000CN	1	ARM, DRUM LOCK, RIGHT
23	RC1-1537-000CN	3	SPRING, GROUNDING
24	RC1-1545-000CN	1	ARM, DRUM LOCK, RIGHT
25	RC1-1546-000CN	1	STOPPER, ARM, RIGHT
26	RM1-0737-000CN	1	DEVELOPING MOTOR ASS'Y (M4)
27	RC1-1548-000CN	3	SPRING, TENSION
28	RC1-1629-000CN	1	PLATE, GROUNDING
29	RC1-1662-000CN	1	RAIL, SWING, RIGHT REAR
30	RC1-2294-000CN	1	PLATE, GROUNDING
31	VS1-6910-012CN	1	CONNECTOR, SNAP TIGHT
32	RC1-2339-000CN	2	STOPPER, ARM, RIGHT
33	RL1-0189-000CN	1	PLATE
34	XD9-0120-000CN	8	PIN, DOWEL
35	VS1-6492-016CN	1	CONNECTOR, 16P
36	XD9-0136-000CN	3	RING, E

Table 8-12 Main right side plate assembly / Motors (continued)

Ref	Part number	Quantity	Description
37	RM1-0733-000CN	1	DRUM MOTOR ASS'Y(M3)
38	RC1-2330-000CN	3	PAD, CUSHION
39	RC1-1038-000CN	1	DAMPER UNIT, MP PICK-UP
40	XD2-2100-602CN	1	RING, GRIP

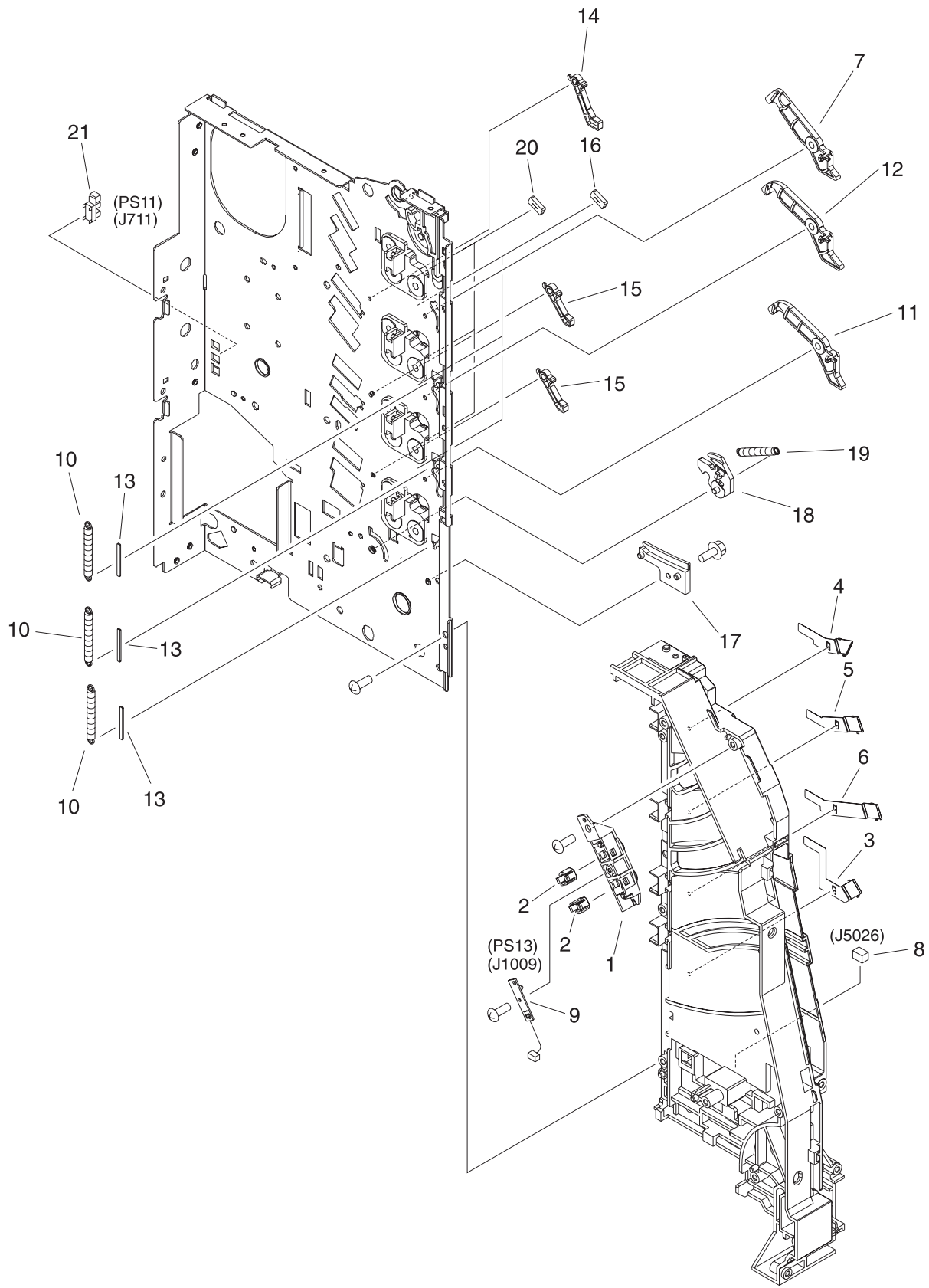


Figure 8-14 Main Left Side Plate Assembly

Table 8-13 Main left side plate assembly

Ref	Part number	Quantity	Description
1	RC1-1049-000CN	1	HOLDER, SENSOR
2	RC1-1050-000CN	2	LENS
3	RC1-1151-000CN	1	PLATE, CONTACT
4	RC1-1152-000CN	1	PLATE, CONTACT
5	RC1-1153-000CN	1	PLATE, CONTACT
6	RC1-1155-000CN	1	PLATE, CONTACT
7	RC1-1169-000CN	1	ARM, DRUM LOCK, LEFT
8	VS1-6492-010CN	1	CONNECTOR, SNAP TIGHT, W
9	RM1-0509-000CN	1	SENSOR UNIT, TCU FULL DETECT
10	RC1-1185-000CN	3	SPRING, TENSION
11	RC1-1622-000CN	1	ARM, DRUM LOCK, LEFT
12	RC1-1623-000CN	1	ARM, DRUM LOCK, LEFT
13	RC1-1625-000CN	3	STRAP, DAMPER
14	RC1-1626-000CN	1	STOPPER, ARM, LEFT
15	RC1-1627-000CN	2	STOPPER, ARM, LEFT
16	RC1-2330-000CN	3	PAD, CUSHION
17	RC1-1641-000CN	1	RAIL, SWING, LEFT REAR
18	RC1-1647-000CN	1	LEVER, SWING LOCK, LEFT
19	RC1-1648-000CN	1	SPRING, TENSION
20	RC1-2331-000CN	3	PAD, CUSHION
21	WG8-5362-000CN	1	PHOTO-INTERRUPTER, TLP1241

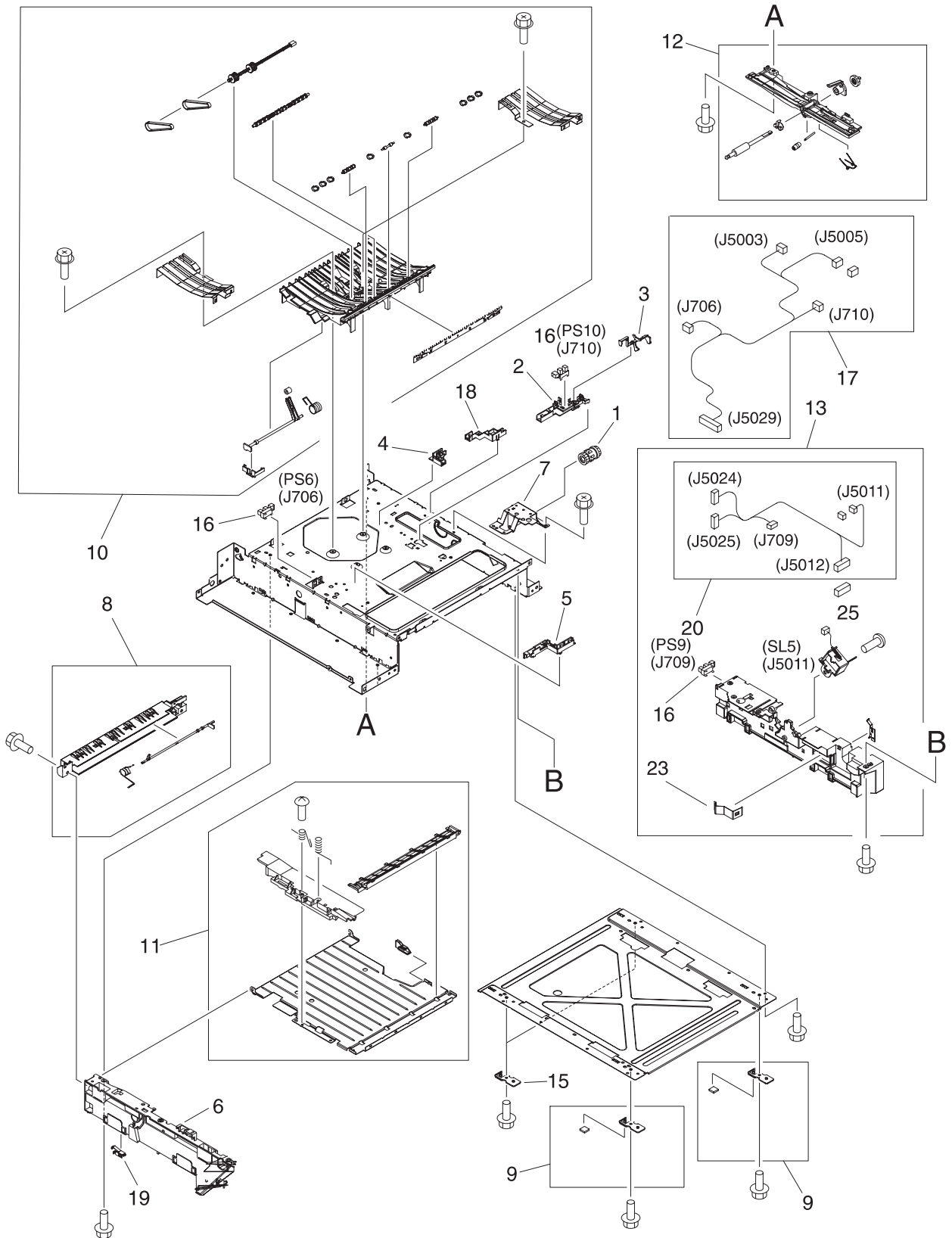


Figure 8-15 Lower Frame Assembly - HP3700 (1 of 2)

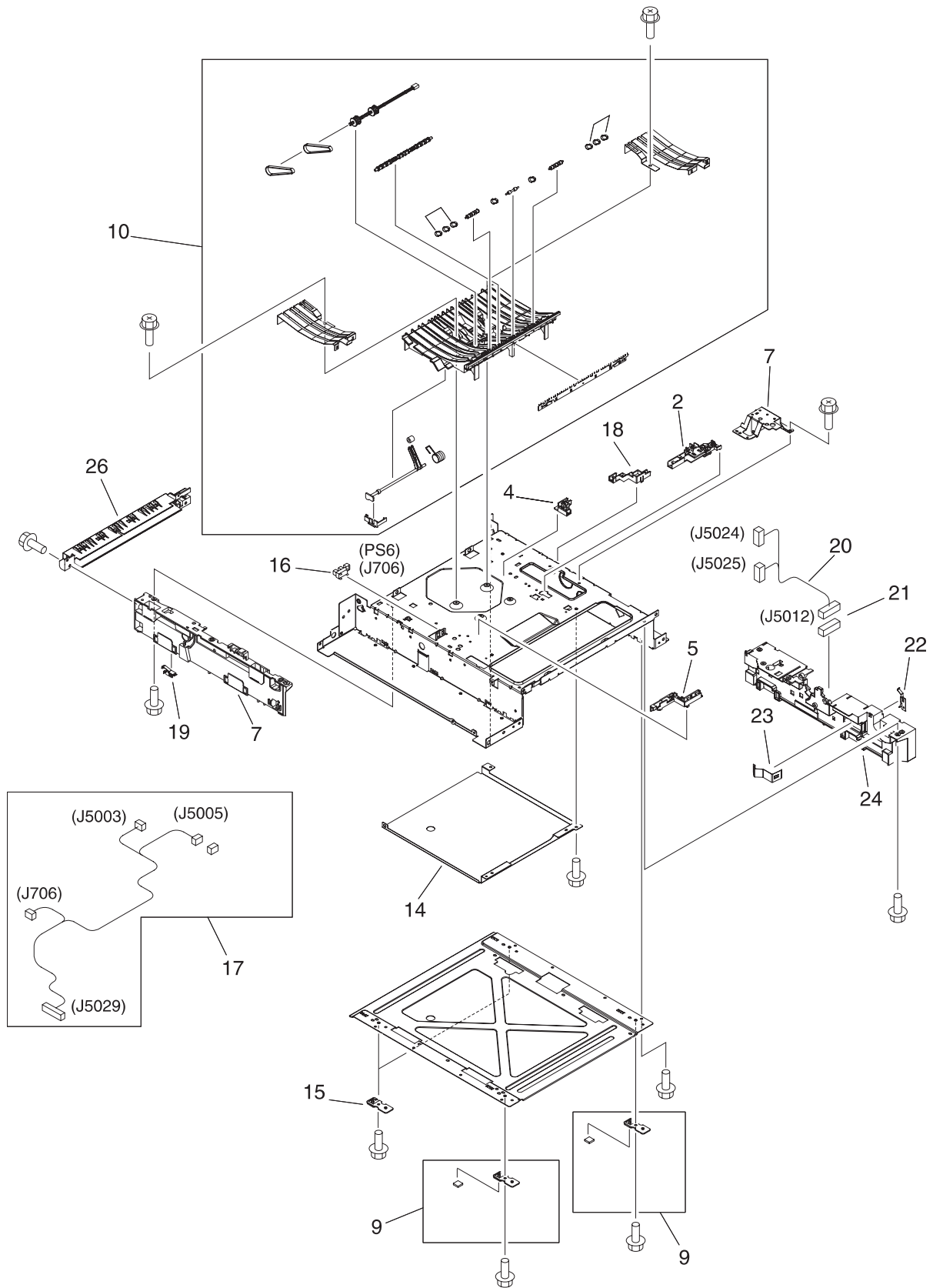


Figure 8-16 Lower Frame Assembly - HP3500 (2 of 2)

Table 8-14 Lower frame assembly - HP3500 and HP3700

Ref	Part number	Quantity	Description
1	RB2-6324-000CN	1	CLUTCH, MECHANICAL
2	RC1-1496-000CN	1	HOLDER, SENSOR
3	RC1-1514-000CN	1	LEVER, SENSOR
4	RC1-2322-000CN	1	GUIDE, CABLE
5	RC1-2323-000CN	1	GUIDE, CABLE
6	RC1-1491-000CN	1	GUIDE, CASSETTE, LEFT
7	RL1-0203-000CN	1	MOUNT, SOLENOID (HP3700)
7	RC1-1511-000CN	1	MOUNT, SOLENOID (HP3500)
8	RM1-0458-000CN	1	DUPLEX GUIDE ASS'Y (HP3700)
9	RM1-0459-000CN	2	FOOT ASS'Y
10	RM1-0460-000CN	1	PAPER FEED ASS'Y
11	RM1-0461-000CN	1	DUPLEX FEED GUIDE ASS'Y (HP3700)
12	RM1-0462-000CN	1	POSITION GUIDE ASS'Y (HP3700)
13	RM1-0736-000CN	1	CASSETTE GUIDE RIGHT ASS'Y
14	RC1-2237-000CN	1	COVER, LOWER FRAME (HP3500)
15	RC1-2428-000CN	2	SUPPORT, FOOT, REAR
16	WG8-5362-000CN	3	PHOTO-INTERRUPTER, TLP1241 (HP3700)
16	WG8-5362-000CN	1	PHOTO-INTERRUPTER, TLP1241 (HP3500)
17	RM1-0478-000CN	1	CABLE, FRAME, LOWER (HP3700)
17	RM1-0497-000CN	1	CABLE, FRAME, LOWER (HP3500)
18	RC1-1306-000CN	1	GUIDE, CABLE
19	RC1-1637-000CN	1	PLATE, CONNECTING
20	RM1-0476-000CN	1	CABLE, OPTION CONNECTING (HP3700)
20	RM1-0496-000CN	1	CABLE, OPTION CONNECTING (HP3500)
21	VS1-6176-006CN	1	CONNECTOR, 6P (HP3500)
22	RC1-1509-000CN	1	PLATE, GROUNDING (HP3500)
23	RC1-1508-000CN	1	SPRING, LEAF (HP3500)
24	RC1-1492-000CN	1	GUIDE, CASSETTE, RIGHT (HP3500)
25	RK2-0143-000CN	1	SOLENOID (HP3500)
26	RC1-1613-000CN	1	GUIDE, DUPLEXING (HP3500)

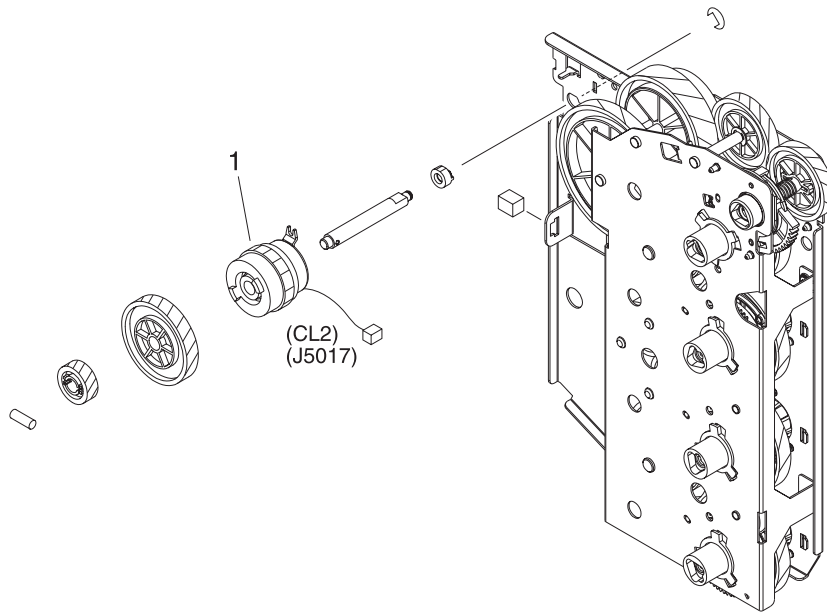


Figure 8-17 Image Drive Assembly

Table 8-15 Image drive assembly

Ref	Part number	Quantity	Description
	RM1-0415-000CN	1	IMAGE DRIVE ASSEMBLY
1	RK2-0248-000CN	1	CLUTCH, ELECTROMAGNETIC

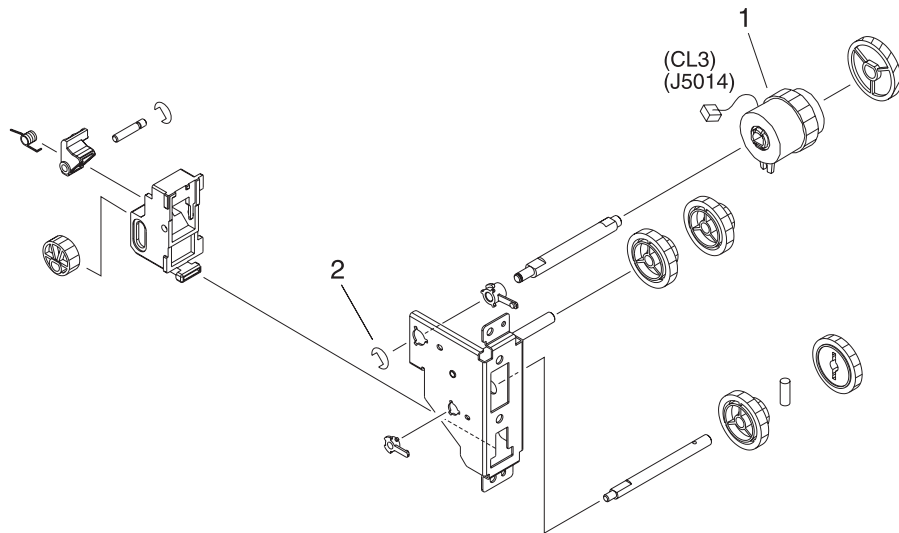


Figure 8-18 Developing Disengaging Assembly

Table 8-16 Developing disengaging assembly

Ref	Part number	Quantity	Description
	RM1-0434-000CN	1	DEVELOPING DISENGAGING ASSEMBLY
1	RK2-0176-000CN	1	CLUTCH, ELECTROMAGNETIC
2	XD9-0135-000CN	1	RING, E

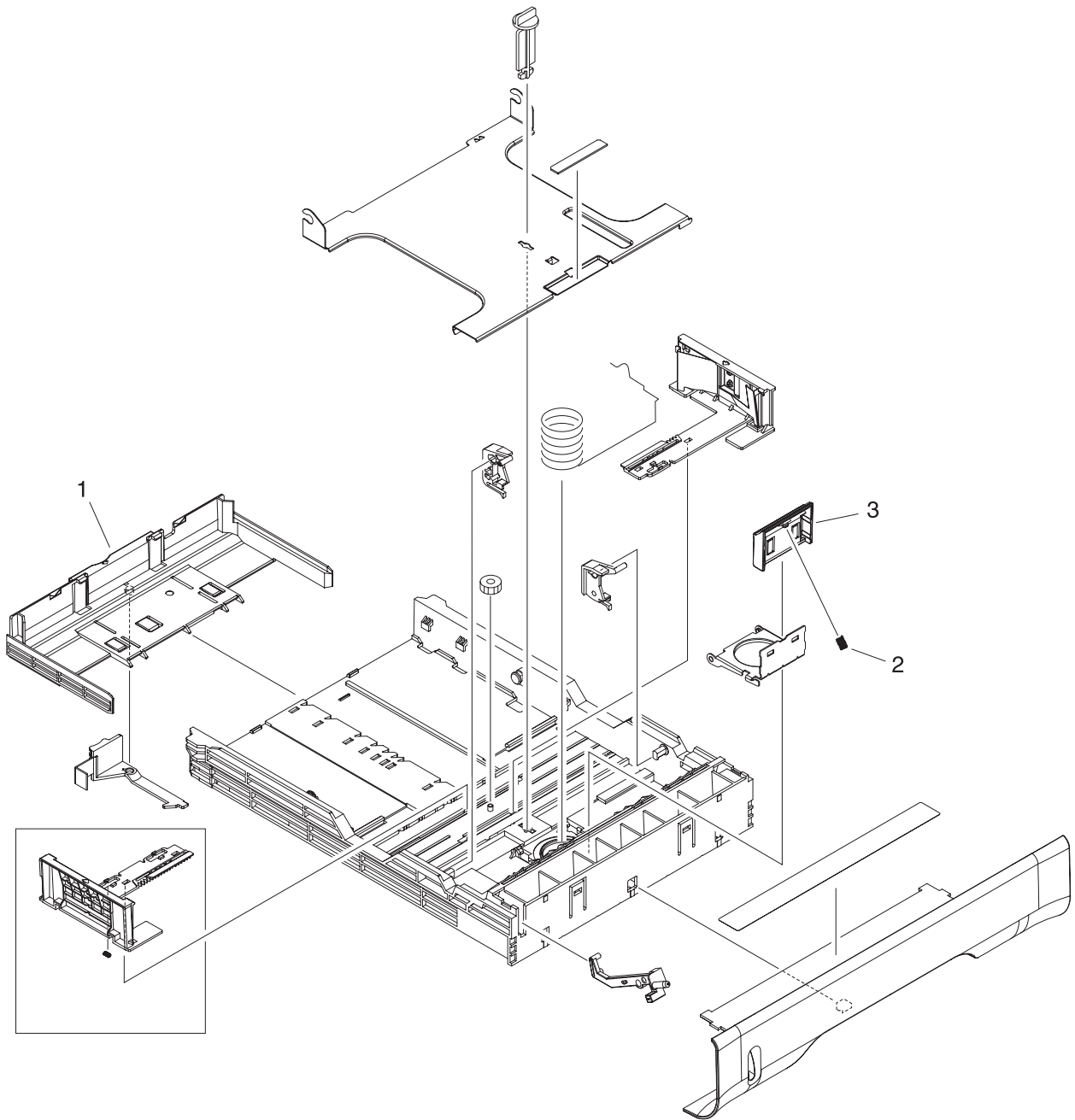


Figure 8-19 Tray 2 (cassette)

Table 8-17 Tray 2 (cassette)

Ref	Part number	Quantity	Description
	RM1-0470-000CN	1	TRAY 2 (CASSETTE)
1	RB2-3003-040CN	1	PLATE, END
2	RS6-2021-000CN	1	SPRING, COMPRESSION
3	RC1-0954-000CN	1	PAD, SEPARATION

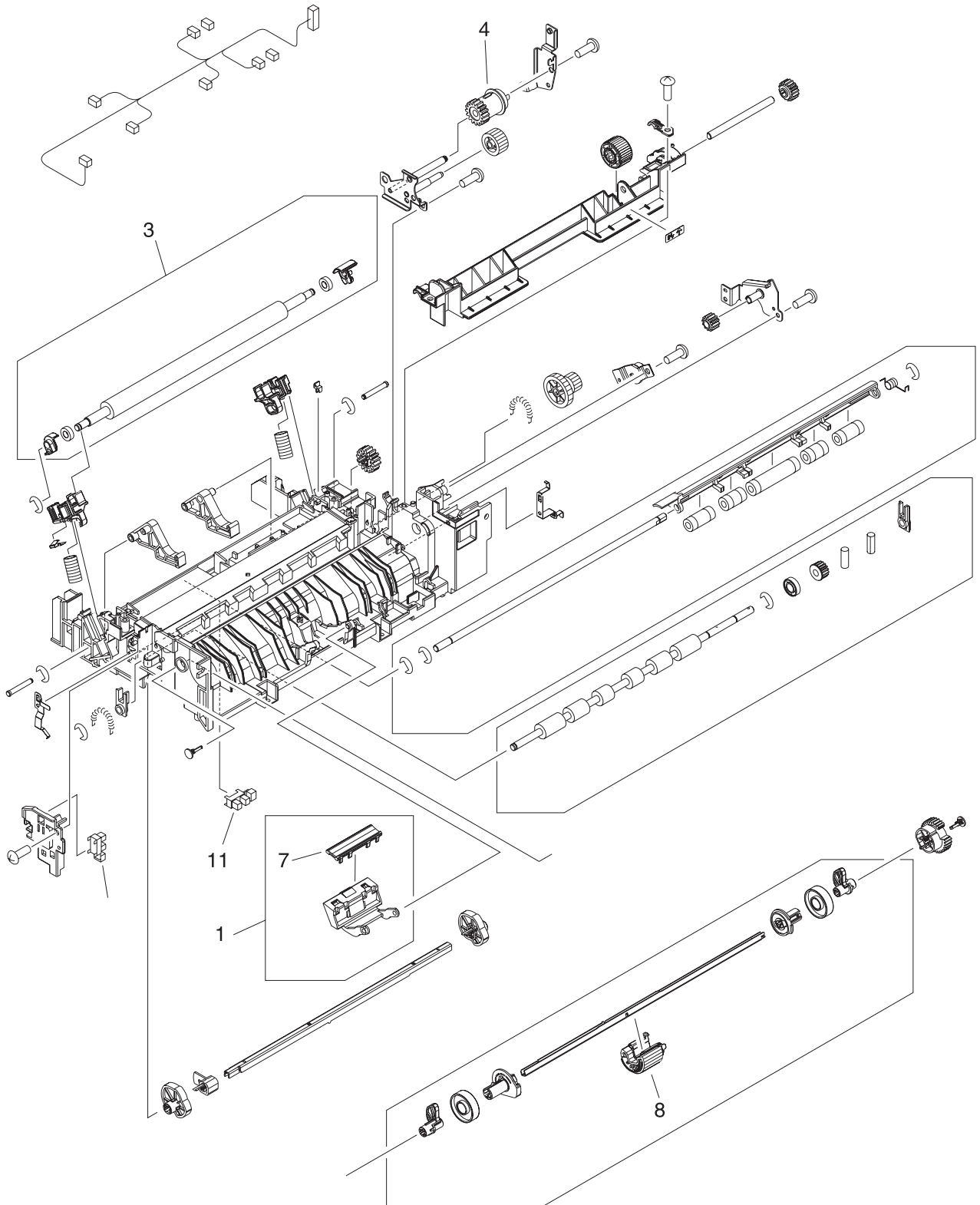


Figure 8-20 Pick-up/Feed assembly (1 of 2)

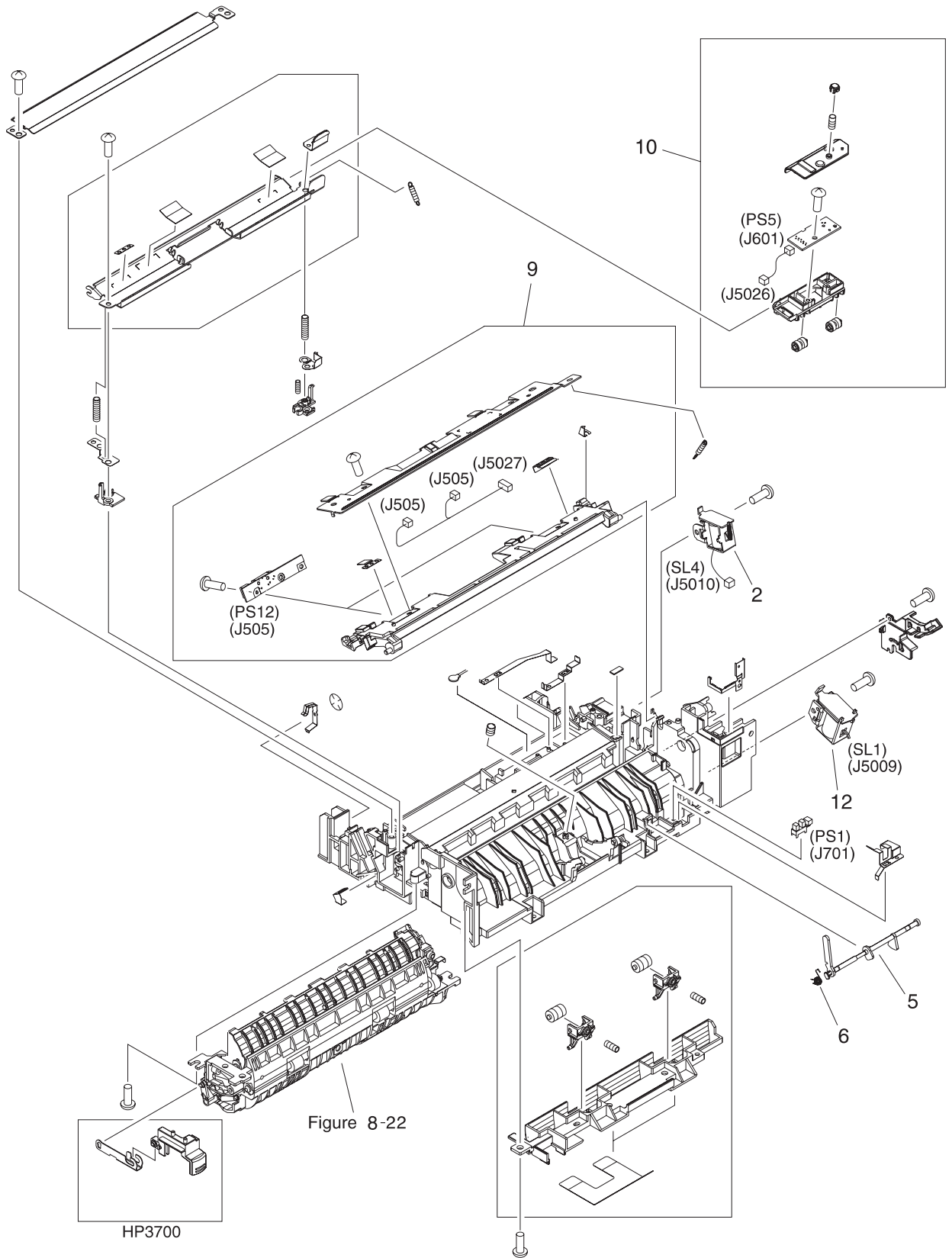


Figure 8-21 Pick-up/Feed assembly (2 of 2)

Table 8-18 Pick-up/feed assembly

Ref	Part number	Quantity	Description
	RM1-0449-000CN	1	PICK-UP/FEED ASS'Y (HP3700)
	RM1-0760-000CN	1	PICK-UP/FEED ASS'Y (HP3500)
1	RM1-0739-000CN	1	SEPARATION PAD ASS'Y
2	RK2-0145-000CN	1	SOLENOID
3	RM1-0740-000CN	1	TRANSFER ROLLER ASS'Y
4	RC1-1433-000CN	1	CLUTCH, MECHANICAL
5	RC1-1456-000CN	1	LEVER, SENSOR
6	RC1-1464-000CN	1	SPRING, TORSION
7	RC1-0939-000	1	PAD, SEPARATION
8	RC1-1535-000CN	1	ROLLER, PICK-UP
9	RM1-0451-000CN	1	COLOR MIS-REG. SENSOR ASS'Y
10	RM1-0452-000CN	1	MEDIA SENSOR ASS'Y
11	WG8-5362-000CN	3	PHOTO-INTERRUPTER, TLP1241
12	RK2-0141-000CN	1	SOLENOID

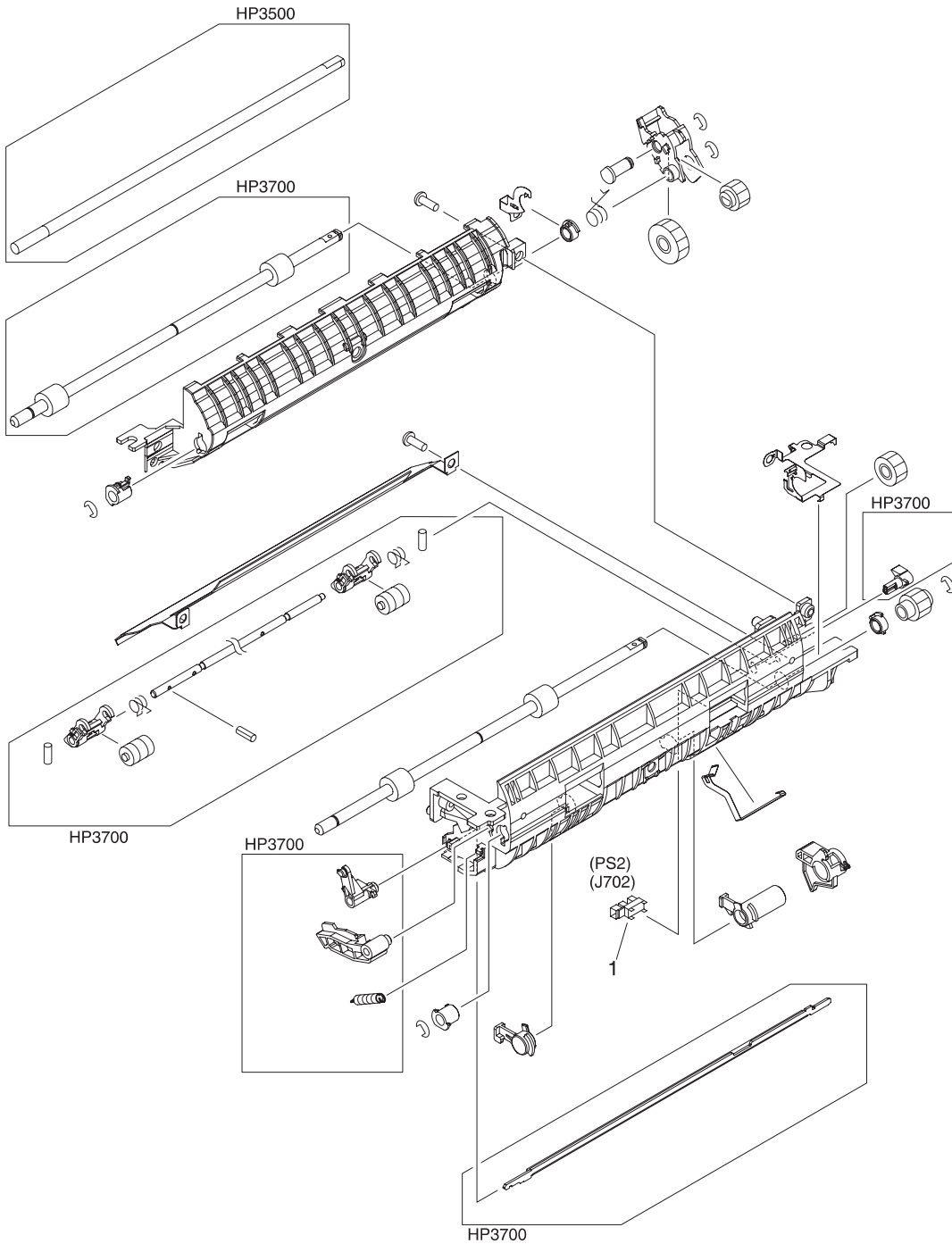


Figure 8-22 Tray 2 (cassette) pick-up assembly

Table 8-19 Tray 2 (cassette) pick-up assembly

Ref	Part number	Quantity	Description
1	WG8-5362-000CN	1	PHOTO-INTERRUPTER, TLP1241

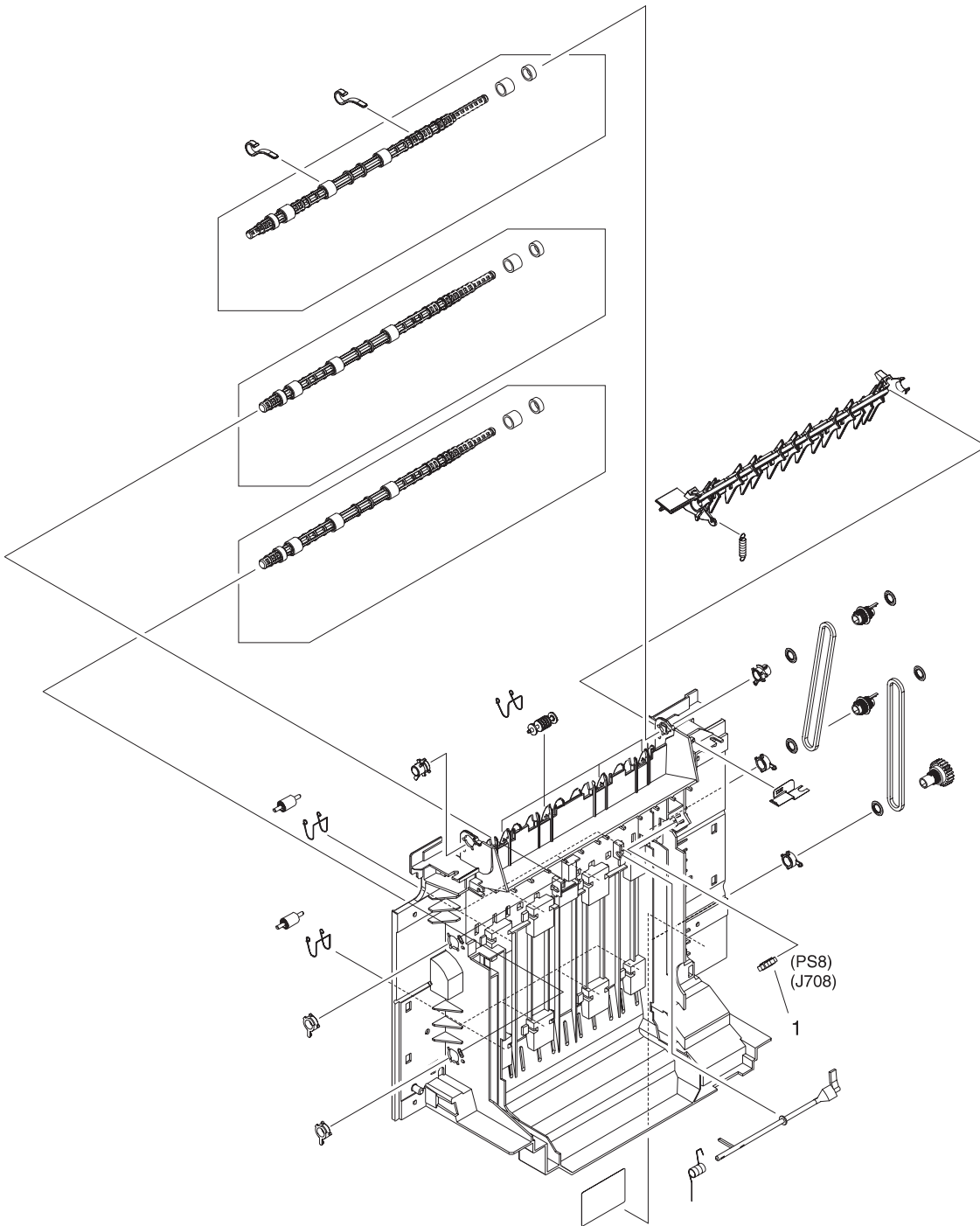


Figure 8-23 Face-down delivery assembly

Table 8-20 Face-down delivery assembly

Ref	Part number	Quantity	Description
	RM1-0469-000CN	1	FACE-DOWN DELIVERY ASSEMBLY
1	WG8-5362-000CN	1	PHOTO-INTERRUPTER, TLP1241

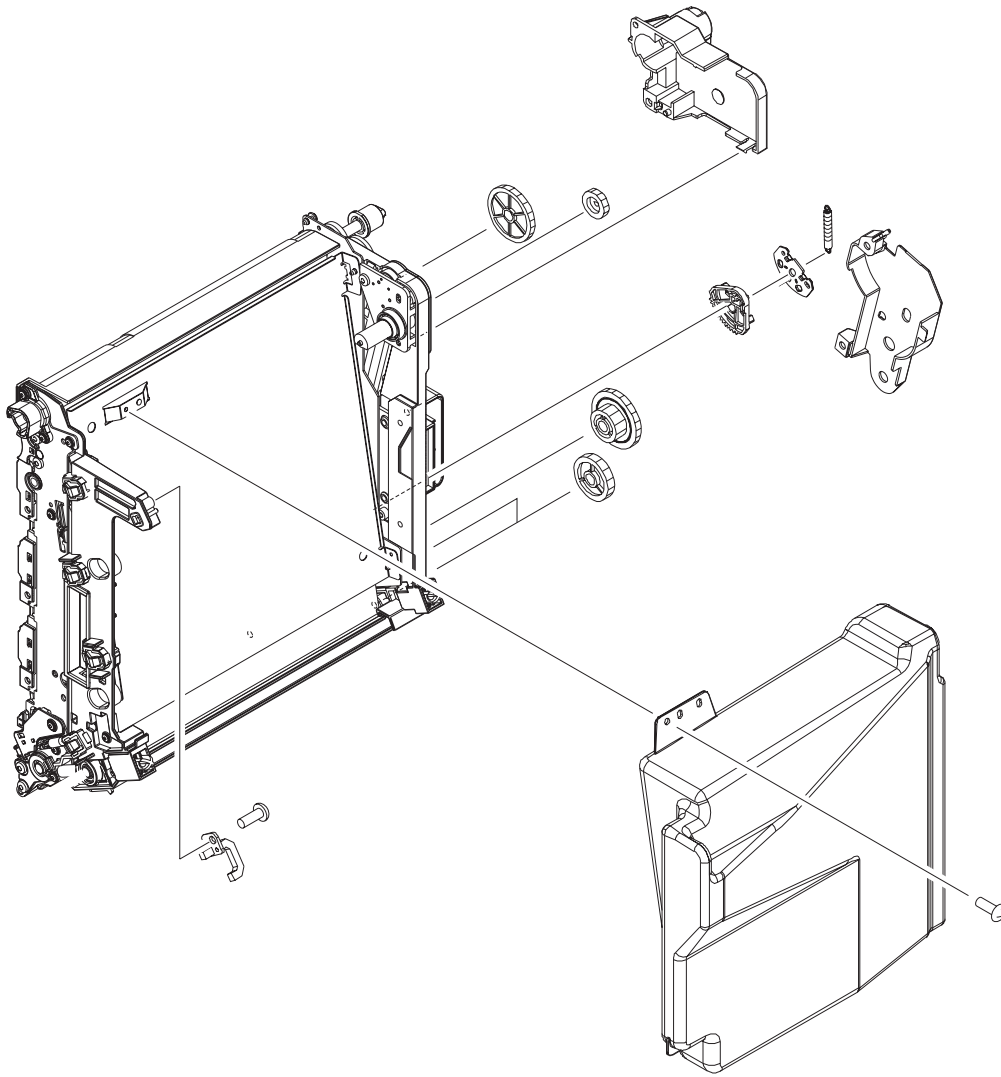


Figure 8-24 Transfer Unit

Table 8-21 Transfer unit

Ref	Part number	Quantity	Description
	Q3658-69001	1	TRANSFER UNIT

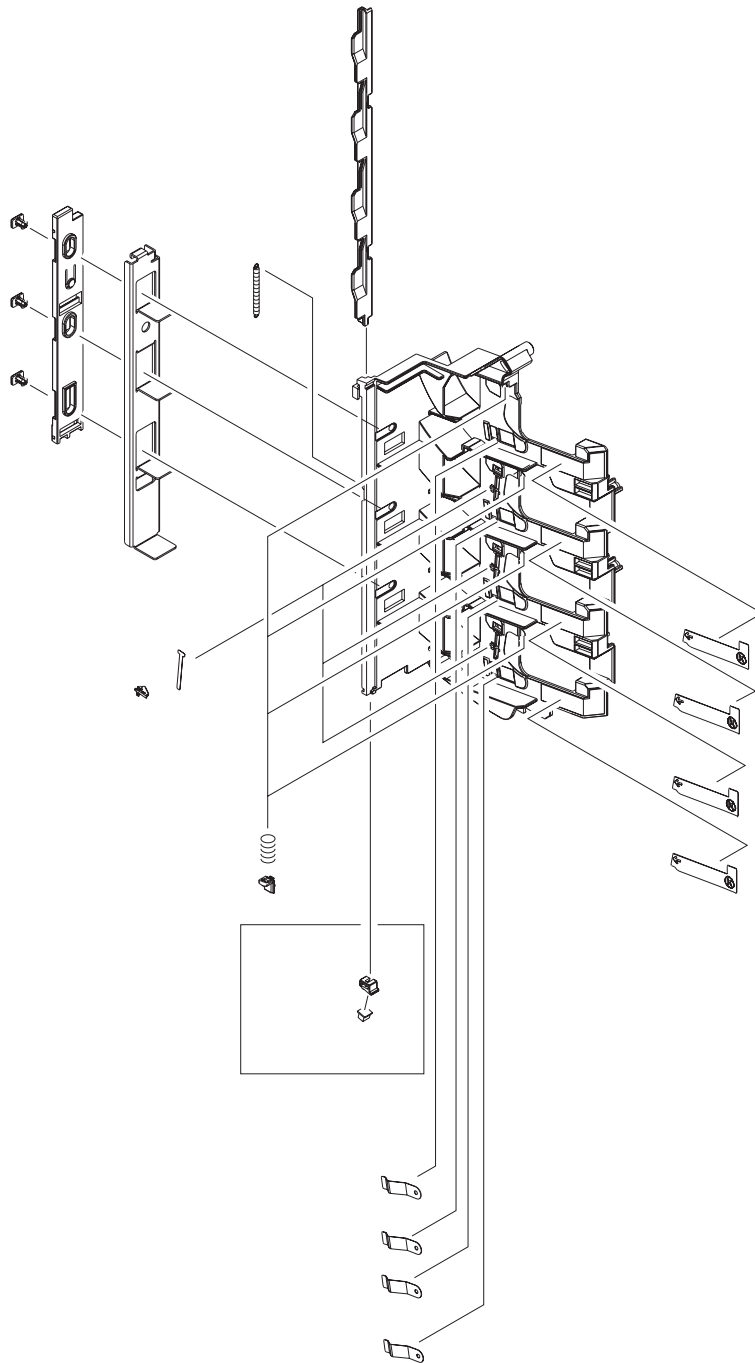


Figure 8-25 Right Swing Frame Assembly

Table 8-22 Right swing frame assembly

Ref	Part number	Quantity	Description
	RM1-0437-000CN	1	RIGHT SWING FRAME ASS'Y

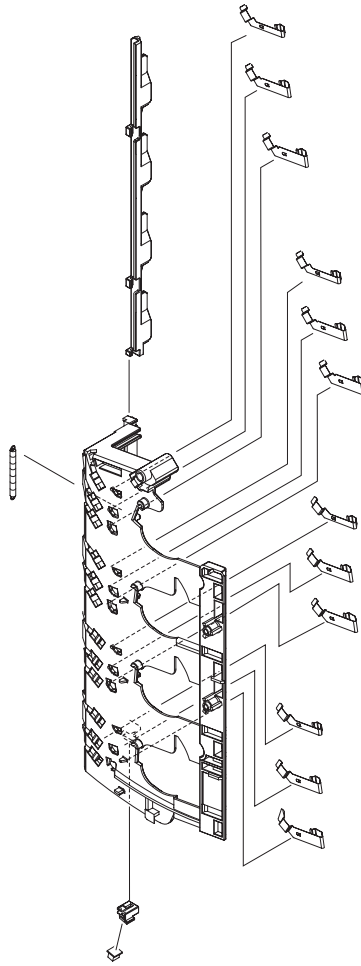


Figure 8-26 Left Swing Frame Assembly

Table 8-23 Left swing frame assembly

Ref	Part number	Quantity	Description
	RM1-0439-000CN	1	LEFT SWING FRAME ASS'Y

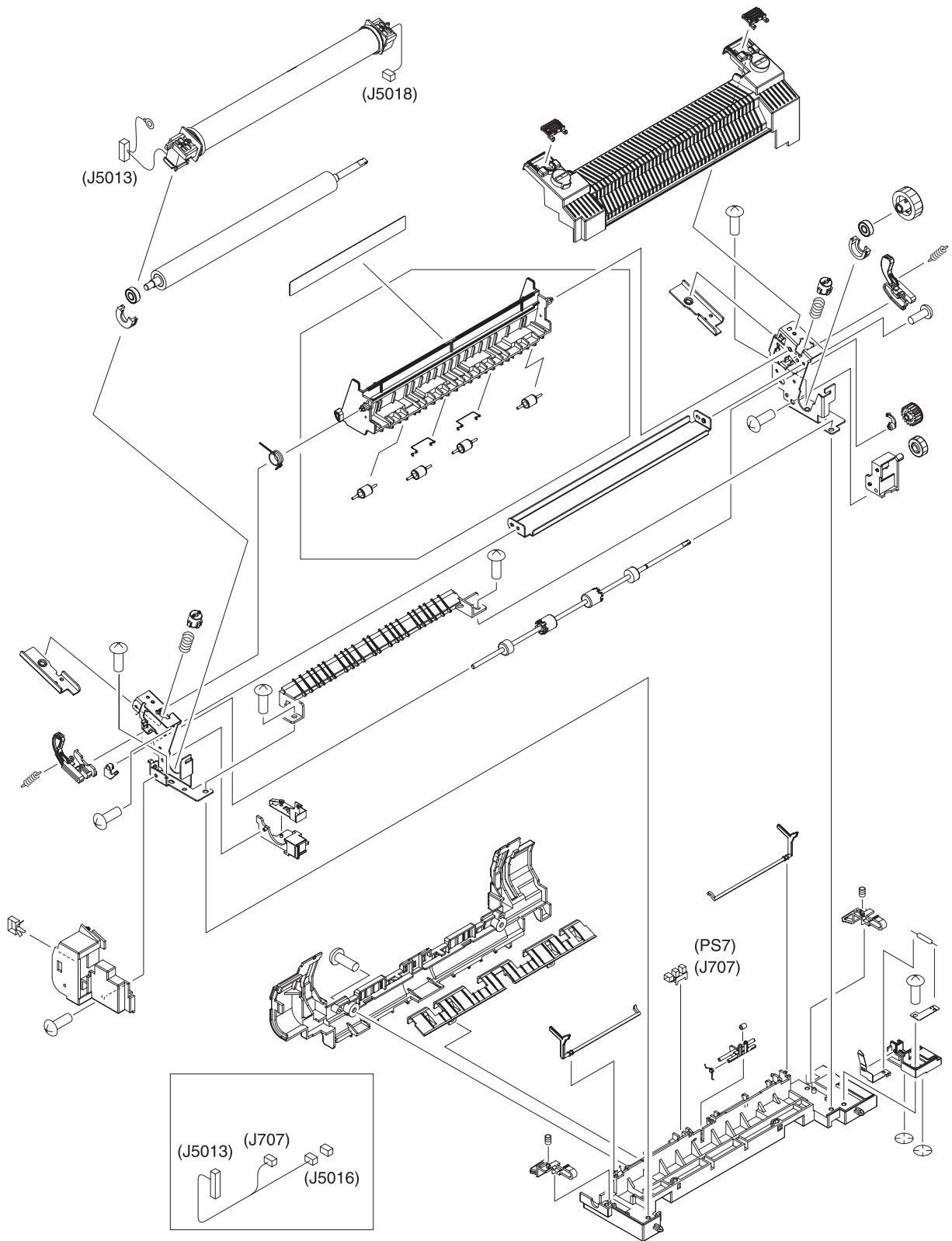


Figure 8-27 Fuser

Table 8-24 Fuser assembly

Ref	Part number	Quantity	Description
	Q3655-69001	1	Fuser (110-127V)
	Q3656-69001	1	Fuser (220-240V)

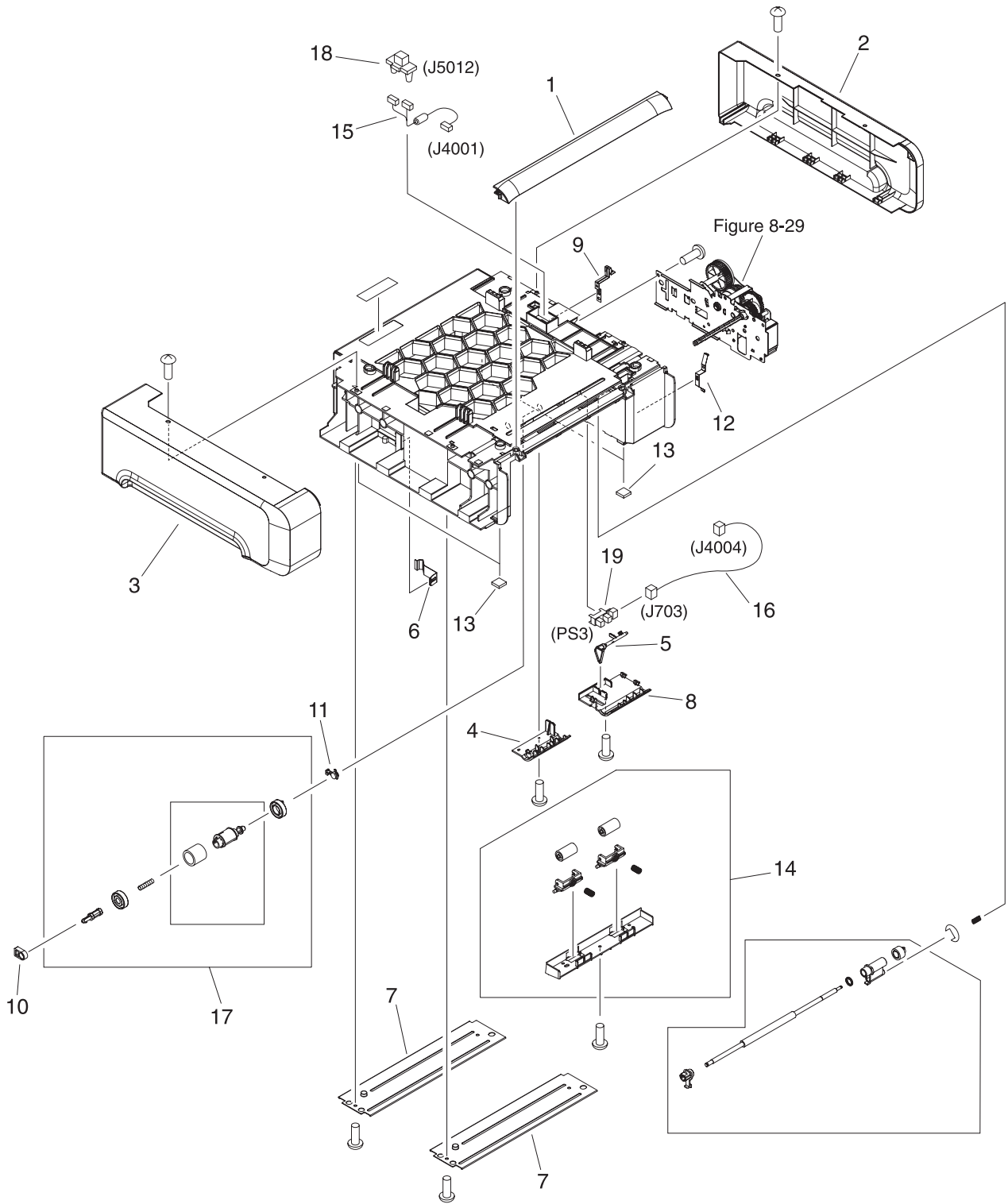


Figure 8-28 500-Sheet paper feeder main body

Table 8-25 500-Sheet paper feeder main body

Ref	Part number	Quantity	Description
1	RC1-2178-000CN	1	COVER, FRONT
2	RC1-2179-000CN	1	COVER, REAR
3	RC1-2180-000CN	1	COVER, LEFT
4	RB2-3489-000CN	1	COVER, LOWER, LEFT
5	RB2-6448-000CN	1	ARM, SENSOR
6	RB2-6450-000CN	1	SPRING, LEAF
7	RB2-6452-000CN	2	CROSSMEMBER
8	RB2-6453-000CN	1	COVER, SENSOR
9	RC1-2175-000CN	1	PLATE, GROUNDING
10	RC1-2182-000CN	1	BUSHING
11	RC1-2192-000CN	1	BUSHING
12	RC1-2280-000CN	1	PLATE, GROUNDING
13	RC1-2165-000CN	4	FOOT
14	RM1-0709-000CN	1	SUB ROLLER ASS'Y
15	RM1-0769-000CN	1	CABLE, DRAWER
16	RM1-0770-000CN	1	CABLE, SENSOR
17	RM1-0731-000CN	1	CASSETTE PICK-UP ROLLER ASS'Y
18	VS1-6175-006CN	1	CONNECTOR, 6P
19	WG8-5571-000CN	1	PHOTO-INTERRUPTER

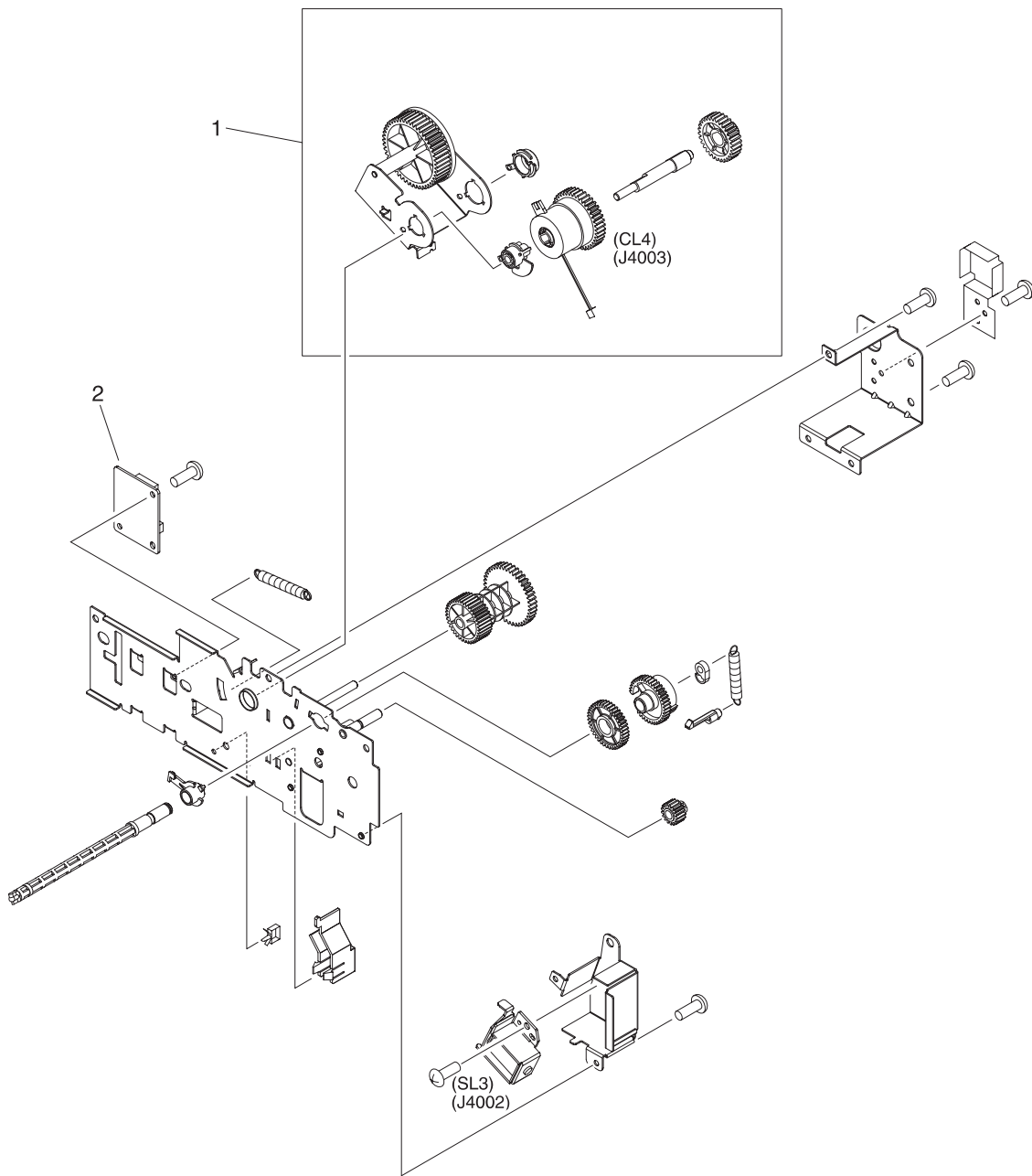


Figure 8-29 500-Sheet paper feeder paper pick-up drive assembly

Table 8-26 500-Sheet paper feeder paper pick-up drive assembly

Ref	Part number	Quantity	Description
	RM1-0701-000CN	1	PAPER PICK-UP DRIVE ASS'Y
1	RM1-0707-000CN	1	SWING ASS'Y
2	RM1-0768-000CN	1	PAPER FEEDER DRIVER PCB ASS'Y

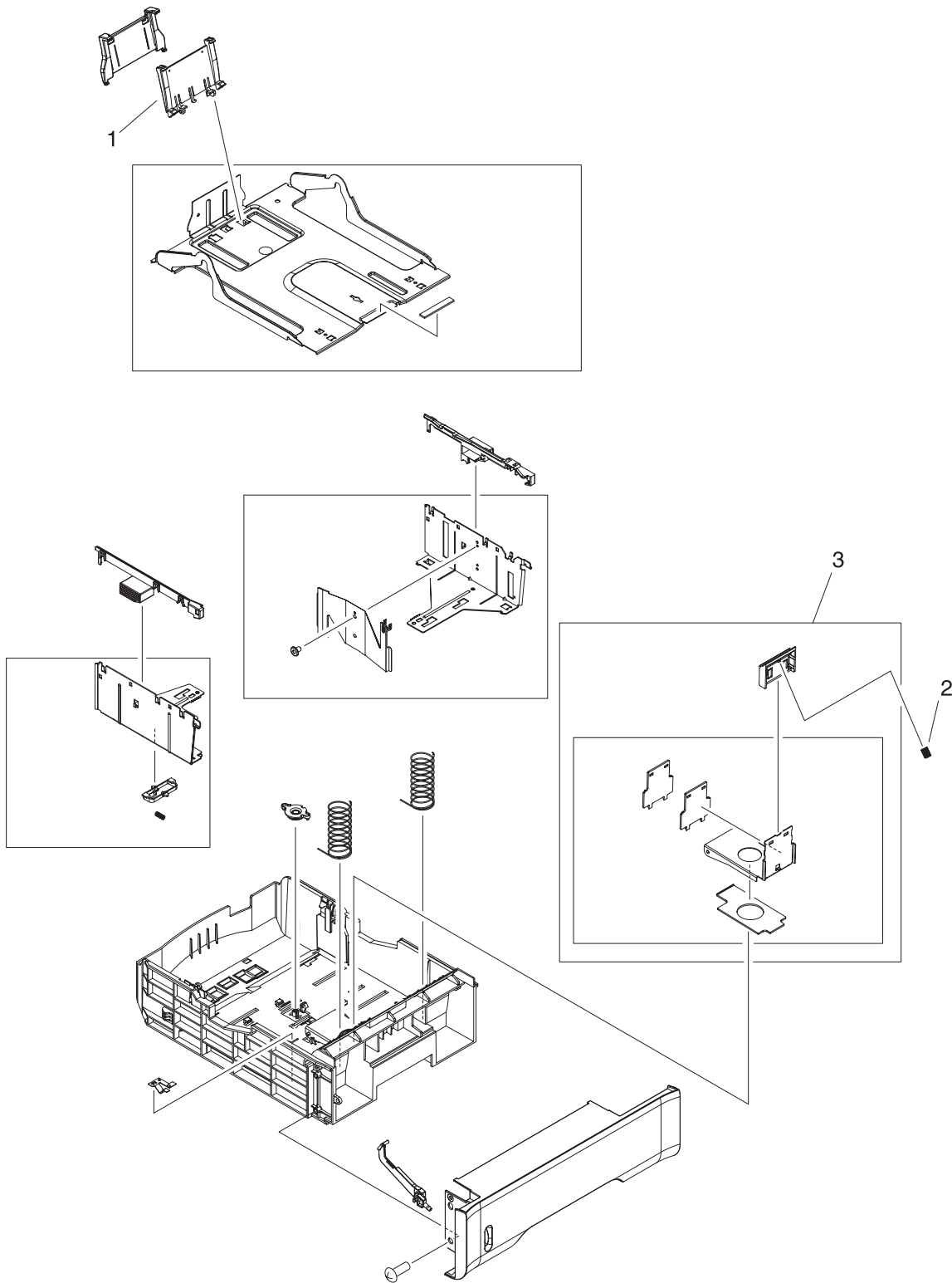


Figure 8-30 500-Sheet paper feeder tray (Tray 3)

Table 8-27 500-Sheet paper feeder paper tray (Tray 3)

Ref	Part number	Quantity	Description
	RM1-0705-000CN	1	PAPER TRAY 3, 500-SHEET FEEDER
1	RB2-6469-000CN	1	PLATE, END
2	RC1-2191-000CN	1	SPRING, COMPRESSION
3	RM1-0827-000CN	1	PAPER SEPARATION PAD ASS'Y