



# LASERJET PRO MFP

## Repair Guide



M435nw





# HP LaserJet Pro MFP M435nw

## Repair Manual

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## Conventions used in this guide

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 **TIP:** Tips provide helpful hints or shortcuts.

 **NOTE:** Notes provide important information to explain a concept or to complete a task.

 **CAUTION:** Cautions indicate procedures that you should follow to avoid losing data or damaging the product.

 **WARNING!** Warnings alert you to specific procedures that you should follow to avoid personal injury, catastrophic loss of data, or extensive damage to the product.

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# 1 Removal and replacement

- [Removal and replacement strategy](#)
- [Customer self-repair parts](#)
- [External doors, covers, and panels](#)
- [Internal assemblies](#)
- [Printed circuit assemblies \(PCAs\)](#)
- [Duplexer](#)
- [500-sheet feeder](#)

# Removal and replacement strategy

## Introduction

This chapter describes the removal and replacement of field-replaceable units (FRUs) only.

Replacing FRUs is generally the reverse of removal. Notes are included to provide directions for difficult or critical replacement procedures.

HP does not support repairing individual subassemblies or troubleshooting to the component level.


Never operate or service the product with the protective cover removed from the laser/scanner assembly. The reflected beam, although invisible, can damage your eyes.

The sheet-metal parts can have sharp edges. Be careful when handling sheet-metal parts.

**CAUTION:** Some parts are sensitive to electrostatic discharge (ESD). Look for the ESD reminder when removing product parts. Always perform service work at an ESD-protected workstation or mat. If an ESD workstation or mat is not available, ground yourself by touching the sheet-metal chassis *before* touching an ESD-sensitive part.


Protect the ESD-sensitive parts by placing them in ESD pouches when they are out of the product.

**CAUTION:** Do not bend or fold the flat flexible cables (FFCs) during removal or installation.

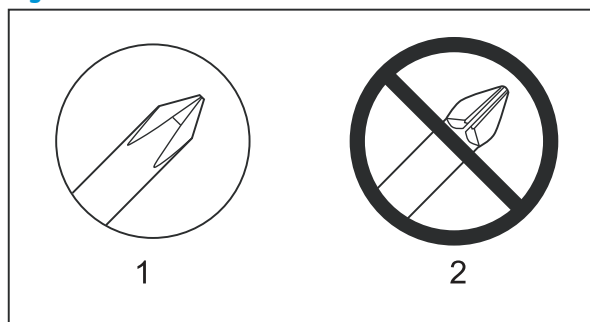
 **NOTE:** To install a self-tapping screw, first turn it counterclockwise to align it with the existing thread pattern, and then carefully turn it clockwise to tighten. Do not overtighten. If a self-tapping screw-hole becomes stripped, repair the screw-hole or replace the affected assembly.

## Required tools

- #2 Phillips screwdriver with a magnetic tip and a 152-mm (6-inch) shaft length
- Small flatblade screwdriver
- T-10 Torx® screw driver
- Needle-nose pliers
- ESD strap (if one is available)
- Penlight

 **CAUTION:** Always use a Phillips screwdriver (callout 1). Do not use a pozidrive screwdriver (callout 2) or any motorized screwdriver. These can damage screws or screw threads.

**Figure 1-1** Screwdrivers



---

**CAUTION:** Do *not* pull directly on the wires to disconnect them. *Always* pull on the plastic body of a connector to avoid damaging the connector wires.

---

## Types of screws

- ! **WARNING!** Make sure that components are replaced with the correct screw type. Using an incorrect screw (for example, substituting a long screw for the correct shorter screw) can cause damage to the product or interfere with product operation. Do not intermix screws that are removed from one component with the screws that are removed from another component.
- 

For a complete list of screw types and part numbers, see the Parts chapter.

## Service approach

Printer repair normally begins by using the product internal diagnostics and the following two-step process:

1. Isolate the problem to the major system (for example, the network or server, or the product).
2. Troubleshoot the problem by using the procedures in chapter 2.

After you locate a faulty part, the product can usually be repaired at the assembly level by replacing FRUs. Some mechanical assemblies might need to be repaired at the subassembly level. Hewlett-Packard Company does not support replacement of components on the printed circuit assemblies.

## Before performing service

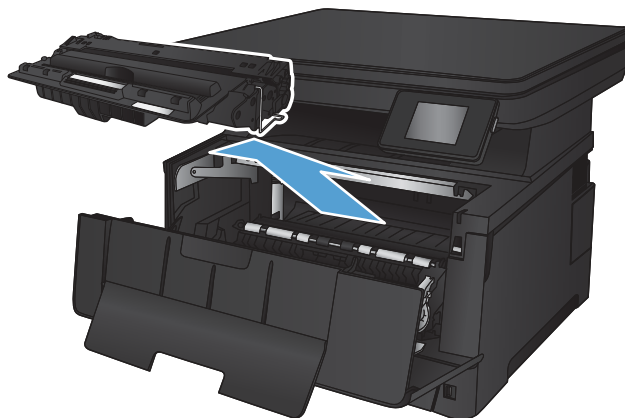
1. Turn the product off, wait 5 seconds, and then remove the power cord before attempting to service the product.

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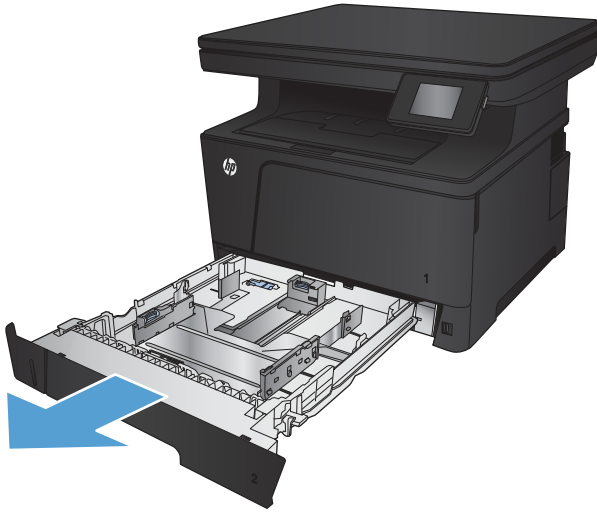
**CAUTION:** *If this warning is not followed, severe injury and damage to the device can result.* The power must be on for certain functional checks during troubleshooting. However, the power supply must be disconnected during parts removal.

---

2. Remove all media.
3. Place the product on an ESD mat (if available).
4. Remove the print cartridge.



**5. Remove tray 2.**



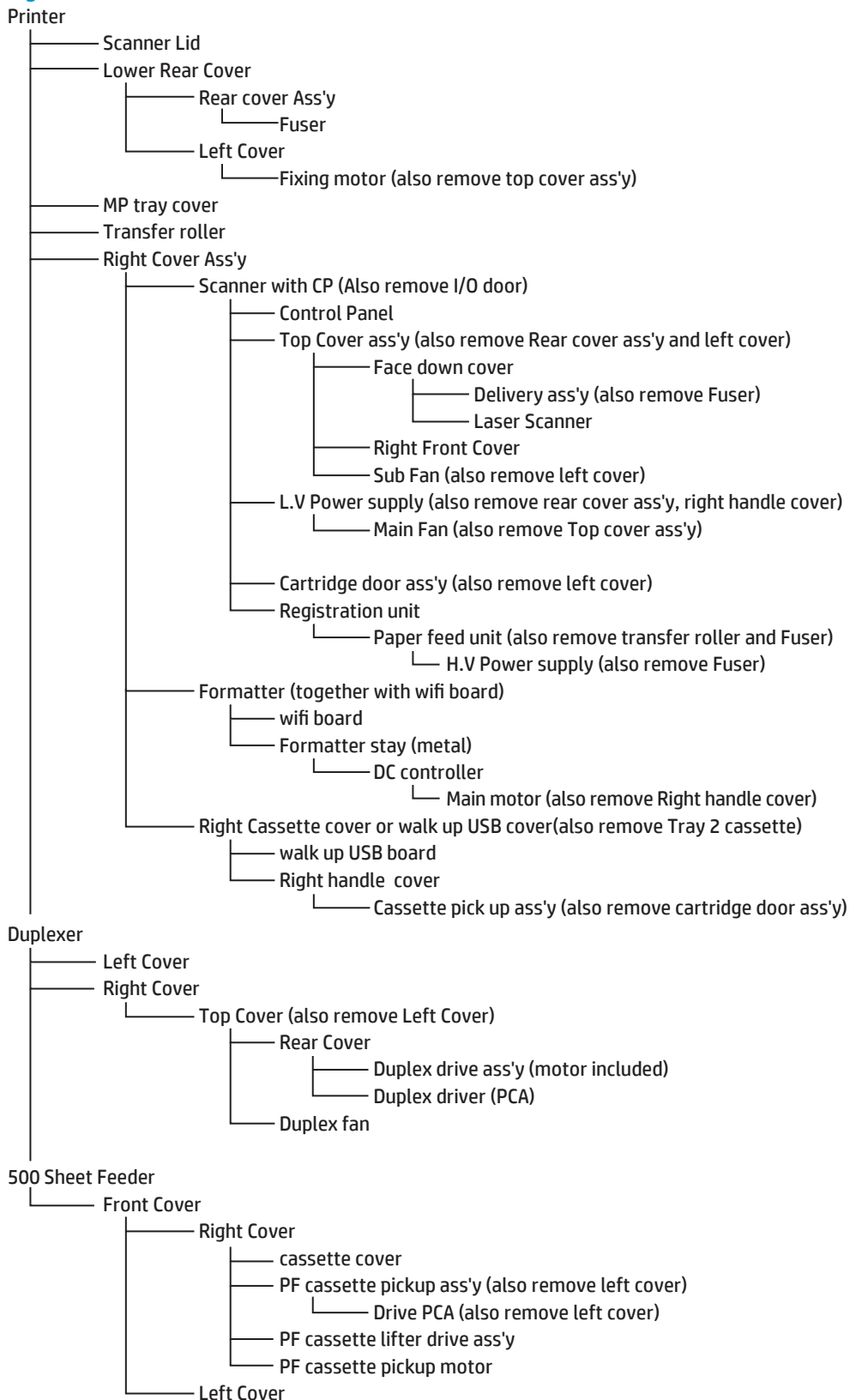
**After performing service**

- Return all media to the trays.
- Reinstall the print cartridge.
- Reinstall tray 2.
- Reinstall and plug in the power cable, and then turn the product on.

## Parts removal order

Use the following diagram to determine which parts must be removed before removing other parts.

**Figure 1-2** Parts removal order



## Customer self-repair parts

The user replaces print cartridges as they are depleted. The *HP LaserJet Pro M435 Series products Service Manual* explains when to replace these supplies and provides instructions about replacing them. Additional instructions on other user-replaceable parts are provided in this section.

The product tracks the amount of use on the customer-replaceable supplies by keeping a page count.

Swapping supplies between products might cause a misrepresentation of supply life values and is not recommended.

### Tray 1 roller kit

1. Tray 1 pickup roller
  - a. Open the cartridge door and locate the tray 1 pickup roller.

**Figure 1-3** Remove the tray 1 pickup roller (1 of 3)

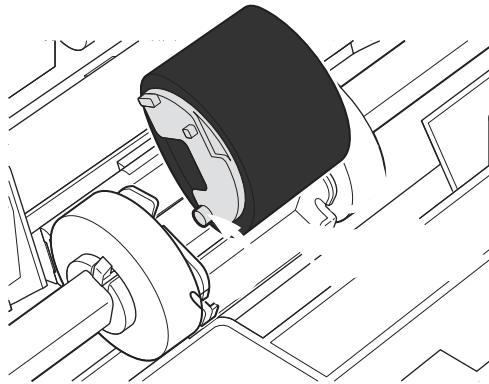


- b. Push out the two black tabs.

**Figure 1-4** Remove the tray 1 pickup roller (2 of 3)

- c. Remove the tray 1 pickup roller.

**Figure 1-5** Remove the tray 1 pickup roller (3 of 3)



## 2. Tray 1 separation pad

- a. Grasp the handles and then open the multi-purpose tray door.

**Figure 1-6** Remove the tray 1 separation pad (1 of 4)

- b. Release two levers.

**Figure 1-7** Remove the tray 1 separation pad (2 of 4)



- c. Remove one screw.

**Figure 1-8** Remove the tray 1 separation pad (3 of 4)

- d. Lift the input bin and hold it up with your hand, and then remove the tray 1 separation pad assembly.

**Figure 1-9** Remove the tray 1 separation pad (4 of 4)

## Tray 2 roller kit

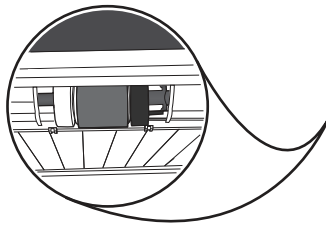
1. Tray 2 pickup roller

- a. Remove tray 2.

**Figure 1-10** Remove the tray 2 pickup roller (1 of 3)

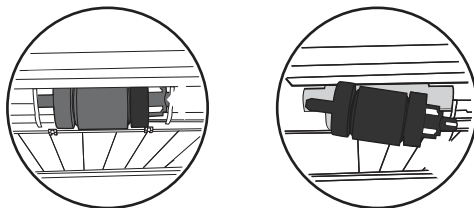
- b. From the front of the product, look up inside the product to identify the roller.

**Figure 1-11** Remove the tray 2 pickup roller (2 of 3)



- c. Squeeze the two blue tabs (callout 1) together, push to the left, and then pull the roller down to remove it.

**Figure 1-12** Remove the tray 2 pickup roller (2 of 3)



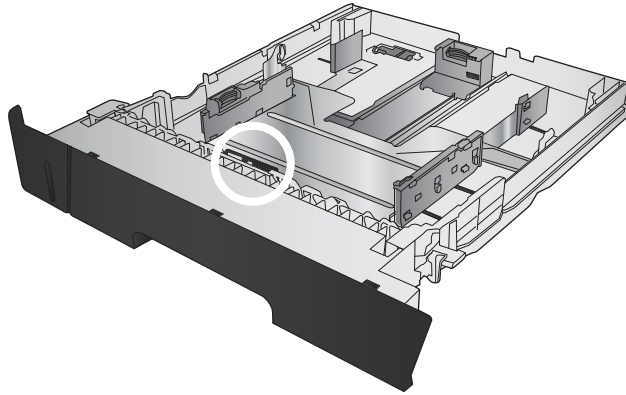
## 2. Tray 2 separation pad

- a. Remove tray 2.

**Figure 1-13** Remove the tray 2 separation pad (1 of 4)

- b.** Locate the tray 2 separation pad.

**Figure 1-14** Remove the tray 2 separation pad (2 of 4)



- c.** Remove two screws.

**Figure 1-15** Remove the tray 2 separation pad (3 of 4)

- d. Lift up the separation pad to remove it.

**Figure 1-16** Remove the tray 2 separation pad (4 of 4)

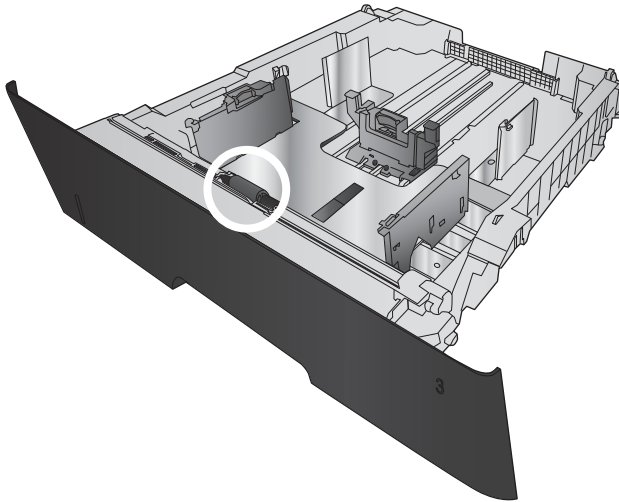
## Tray 3 roller kit

- 1. Remove tray 3.

**Figure 1-17** Remove the tray 3 feed roller 1(1 of 5)

2. Locate the tray 3 feed roller 1 inside tray 3 cassette.

**Figure 1-18** Remove the tray 3 feed roller 1 (2 of 5)



3. Remove the tray 3 feed roller 1 located inside tray 3.

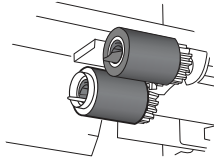
**Figure 1-19** Remove the tray 3 feed roller 1 (3 of 5)





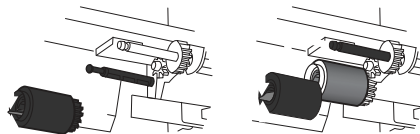
4. Look up inside the product to locate the tray 3 feed roller 2 and tray 3 pickup roller located inside the tray 3 assembly.

**Figure 1-20** Remove the tray 3 pickup and feed roller 2 (4 of 5)



5. Remove the blue feed roller by squeezing the left side of the roller tab (callout 1), and then slide it to the left to remove the feed roller. To remove the pickup roller (callout 2), pinch the white tab, and then slide the pickup roller to the left to remove it.

**Figure 1-21** Remove the tray 3 pickup and feed roller 2 (5 of 5)

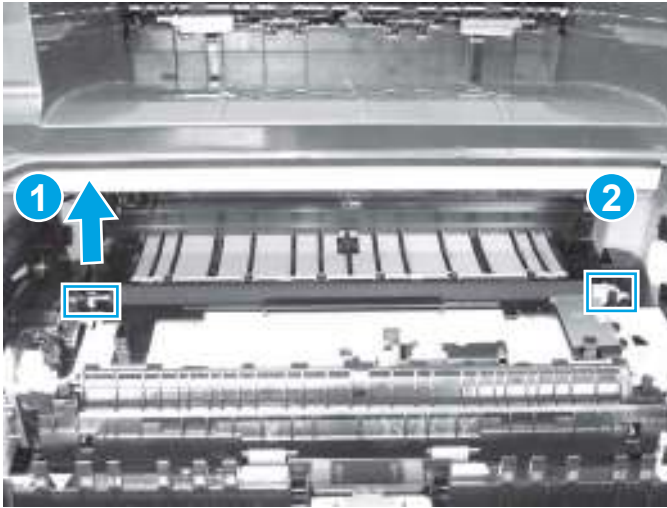


## Transfer roller

**WARNING!** The transfer roller bar has grease on its surface. Wear a thin glove, like an ESD glove, to keep the grease off your skin.

1. Open the print-cartridge door.
2. Unlatch the blue latch on the right (callout 2), and then lift up the transfer roller on the left side of the product (callout 1) to remove it.

**Figure 1-22** Remove the transfer roller



**NOTE:** Do *not* touch the rubber sponge on the transfer roller.

**NOTE:** When you reinstall the transfer roller, snap it into the left side of the product first, and then install and latch on the right side of the product.

# External doors, covers, and panels

## Right cover assembly

1. Open the door at the rear of the right side of the product and remove one screw.

**Figure 1-23** Remove the right cover (1 of 2)

2. Slide the right cover toward the back of the product and remove it.

**Figure 1-24** Remove the right cover (2 of 2)



**NOTE:** The right upper cover is attached to the right cover assembly and comes off with the right cover assembly when the right cover assembly is removed.

## Lower back cover

At the back of the product, insert your finger into the hole in the cover and pull the cover outward to remove the lower back cover.

**Figure 1-25** Remove the lower back cover

## Rear-cover assembly

1. Before proceeding, remove the following:
  - Duplexer (if installed). See [Duplexer on page 74](#).
  - Lower back cover. See [Lower back cover on page 18](#).
2. Open the rear-cover assembly.

3. Loosen two captive screws recessed in the product.



---

**NOTE:** The two captive screws loosen but do not come out.

---

**Figure 1-26** Remove the rear-cover assembly (1 of 2)

4. Close the rear-cover.
5. Gently pull the bottom of the rear-cover assembly out, and then pull it up to remove it.

**Figure 1-27** Remove the rear-cover assembly (2 of 2)

## Top cover

1. Before proceeding, remove the following:
  - Right-cover assembly. See [Right cover assembly on page 17](#).
  - Lower-back cover or duplexer. See [Lower back cover on page 18](#) or [Duplexer on page 74](#).

- SSA. See [Scanner subassembly \(SSA\) on page 37](#).
  - Rear-cover assembly. See [Rear-cover assembly on page 18](#).
  - Left-cover. See [Left cover on page 21](#).
2. Open the print-cartridge door.
  3. Remove four screws (callout 1), and then release one tab in the center of the product (callout 2).


**Figure 1-28** Remove the top cover (1 of 2)


4. Unhook two tabs on the front of the top cover and then remove the top cover.

**Figure 1-29** Remove the top cover (2 of 2)

## Left cover

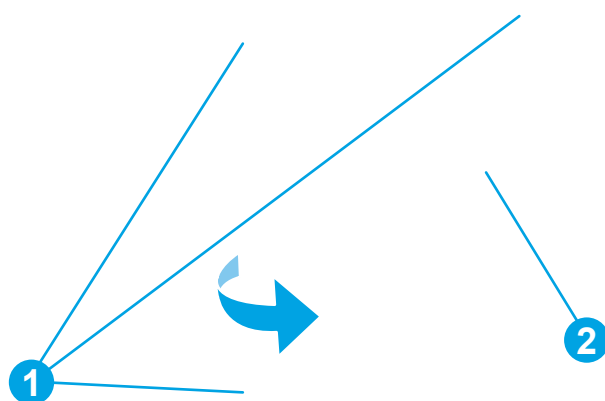
1. Remove the tray 2 cassette and then open the cartridge door.

 **NOTE:** Remove tray 3 if one is installed.

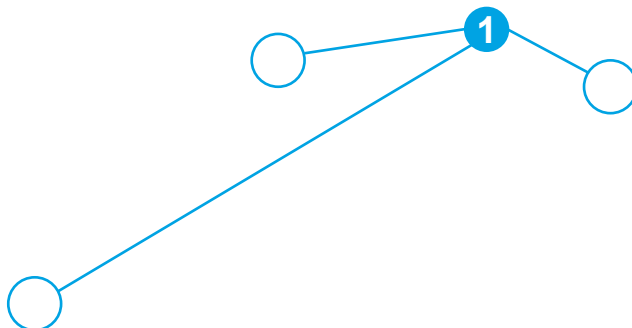
 **CAUTION:** Unhook the tabs in the correct order.

2. Release three tabs (callout 1), turn the left cover (callout 2) in the direction that the arrow indicates, and then remove the left cover.

**Figure 1-30** Remove the left cover (1 of 2)



**Figure 1-31** Remove the left cover-tab locations (2 of 2)



## Face-down cover

1. Before proceeding, remove the following:

- Right cover assembly. See [Right cover assembly on page 17](#).
  - SSA. See [Scanner subassembly \(SSA\) on page 37](#).
  - Top cover. See [Top cover on page 19](#).
2. Release three tabs and lift up on the face-down cover to remove.

**Figure 1-32** Remove the face-down cover

## Tray 2

Pull out the cassette tray and lift up to remove it.

**Figure 1-33** Remove tray 2



## Tray 3

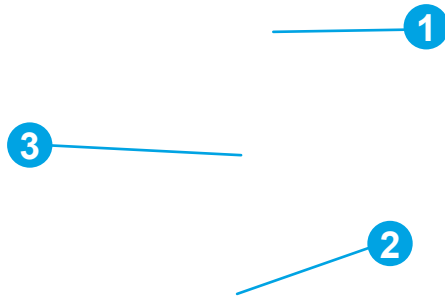
Pull out the cassette tray and lift up to remove it.

**Figure 1-34** Remove tray 3

## Right front cover

1. Before proceeding, remove the following:
  - Right cover assembly. See [Right cover assembly on page 17](#).
  - SSA. See [Scanner subassembly \(SSA\) on page 37](#).
  - Top cover. See [Top cover on page 19](#).
2. Open the print-cartridge door.
3. Open the cartridge door assembly.
4. Release one catch (callout 1), one tab (callout 2), and then slide the right front cover (callout 3) downward and remove it.

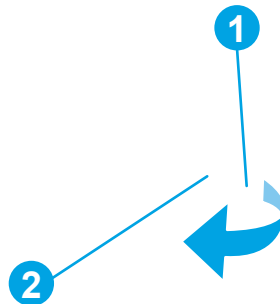
**Figure 1-35** Remove the right front cover



## Right cassette cover

1. Before proceeding, remove the following:
  - Right cover assembly. See [Right cover assembly on page 17](#).
2. Release one tab (callout 1), and then turn the right cassette cover (callout 2) outward to remove it.

**Figure 1-36** Remove the right cassette cover



## Right handle cover

1. Before proceeding, remove the following:
  - Right cover assembly. See [Right cover assembly on page 17](#).
  - Right cassette cover. See [Right cassette cover on page 25](#)

2. Remove the USB cable from the cable guide.

**Figure 1-37** Remove the right handle cover (1 of 3)

3. Remove one black screw (callout 1), one tapping screw (callout 2), and then release one tab (callout 3).

**Figure 1-38** Remove the right handle cover (2 of 3)



4. Release one tab (callout 1), and then remove the right handle cover (callout 2).

**Figure 1-39** Remove the right handle cover (3 of 3)



## Multi-purpose tray cover assembly

1. Open the multi-purpose tray cover.

**Figure 1-40** Remove the multi-purpose cover (1 of 5)

2. Release two bosses.

**Figure 1-41** Remove the multi-purpose cover (2 of 5)



3. Lift the input bin and hold up with your hand.

**Figure 1-42** Remove the multi-purpose cover (3 of 5)

4. Release two bosses.

**Figure 1-43** Remove the multi-purpose cover (4 of 5)

5. Remove the multi-purpose tray cover.

**Figure 1-44** Remove the multi-purpose cover (5 of 5)

## Cartridge door assembly

1. Before proceeding, remove the following:
  - Right cover assembly. See [Right cover assembly on page 17](#).
  - SSA. See [Scanner subassembly \(SSA\) on page 37](#)
  - Left cover. See [Left cover on page 21](#).
  - Tray 2. See [Tray 2 on page 22](#).

2. Disconnect two connectors on the DC controller, and then remove them from the cable guide.

**Figure 1-45** Remove the cartridge door unit (1 of 13)

3. On the left side of the product, close the cartridge door and release one spring (callout 1).
4. Use needle-nose pliers to unhook the tab (callout 2) on the plastic arm.

**Figure 1-46** Remove the cartridge door unit (2 of 13)

5. Open the cartridge door.



6. Rotate the plastic arm (callout 1) down to unhook the plastic arm from the tab (callout 2).

**Figure 1-47** Remove the cartridge door unit (3 of 13)



7. Remove three screws.

**Figure 1-48** Remove the cartridge door unit (4 of 13)

8. Release two tabs (callout 1).

**Figure 1-49** Remove the cartridge door unit (5 of 13)



9. Release one tab (callout 1), slide the cartridge guide (callout 2) toward the front of the product, then and remove it together with the gear cover (callout 3).

**Figure 1-50** Remove the cartridge door unit (6 of 13)



10. Release the arm (callout 2) from the catch part (callout 1).

**Figure 1-51** Remove the cartridge door unit (7 of 13)



11. Remove two screws on the right side of the product.

**Figure 1-52** Remove the cartridge door unit (8 of 13)

12. On the left side of the product, use a flatblade screwdriver to release two projections that extend from the cartridge door frame into the chassis.

**Figure 1-53** Remove the cartridge door unit (9 of 13)

13. Pull the print-cartridge door out slightly and unhook the plastic arm from the chassis.

**Figure 1-54** Remove the cartridge door unit (10 of 13)

14. Remove the plastic arm from the print cartridge door.

**Figure 1-55** Remove the cartridge door unit (11 of 13)

15. Slightly spread the right plate outward, and then carefully pull out the print-cartridge door assembly. Carefully feed the wiring harness through the chassis while removing the cartridge door.

**Figure 1-56** Remove the cartridge door unit (12 of 13)

---

**CAUTION:** Do not damage the wiring harness on the edge of the cable hole when removing the print-cartridge door assembly.

---

**Figure 1-57** Remove the cartridge door unit (13 of 13)

## Scanner subassembly (SSA)

1. Before proceeding, remove the following:
  - Right cover assembly. See [Right cover assembly on page 17](#).
2. Disconnect three FFCs.

**Figure 1-58** Remove the SSA (1 of 6)

3. Remove the FFCs from the ferrites.

**Figure 1-59** Remove the SSA (2 of 6)

**Figure 1-60** Remove the SSA (3 of 6)



4. Disconnect the ground wire.

**Figure 1-61** Remove the SSA (4 of 6)

5. Remove four screws.

**Figure 1-62** Remove the SSA (5 of 6)

6. Slide the SSA back and then up to release three studs from the top cover. Remove the SSA.

**Figure 1-63** Remove the SSA (6 of 6)

## Scanner subassembly (SSA) lid

1. Remove two screws using a Torx® screw driver.

**Figure 1-64** Remove the SSA lid (1 of 2)

2. Lift the SSA lid up to remove it.

**Figure 1-65** Remove the SSA lid (2 of 2)

## Control panel

1. Before proceeding, remove the following:
  - SSA. See [Scanner subassembly \(SSA\) on page 37](#).
2. Place the SSA upside down on a level surface.

3. Remove four screws, and then remove the control panel cover.

**Figure 1-66** Remove the control panel (1 of 4)

4. Carefully lift up on the adhesive-backed control panel FFC and release it from the SSA.

**Figure 1-67** Remove the control panel (2 of 4)

5. Remove four screws, and then remove the control panel ground wire from the retainers on the SSA.

**Figure 1-68** Remove the control panel (3 of 4)

6. Remove the control panel.

**Figure 1-69** Remove the control panel (4 of 4)

# Internal assemblies

## Laser/scanner

1. Before proceeding, remove the following:
  - Right cover assembly. See [Right cover assembly on page 17](#).
  - Lower back cover or duplexer. See [Lower back cover on page 18](#) or [Duplexer on page 74](#).
  - SSA. See [Scanner subassembly \(SSA\) on page 37](#).
  - Rear-cover assembly. See [Rear-cover assembly on page 18](#).
  - Top cover. See [Top cover on page 19](#).
  - Face-down cover. See [Face-down cover on page 21](#).
2. Disconnect one flat flexible cable.

**Figure 1-70** Remove the laser/scanner (1 of 3)

3. Remove the foam cover, and then disconnect one connector (callout 1) and release it from the cable guide. Release the wire harness (callout 2) from the retainer on the laser/scanner assembly.



---

**NOTE:** Do *not* disconnect the connector for the wire harness (callout 2).

---

**Figure 1-71** Remove the laser/scanner (2 of 3)

4. Remove four screws and remove the laser/scanner.

**Figure 1-72** Remove the laser/scanner (3 of 3)

## Fuser

1. Before proceeding, remove the following:
  - Right cover assembly. See [Right cover assembly on page 17](#).
  - Lower back cover or duplexer. See [Lower back cover on page 18](#) or [Duplexer on page 74](#).
  - Rear-cover assembly. See [Rear-cover assembly on page 18](#).
2. Remove two screws, hold the middle of the fuser, and then pull it out of the product to remove it.

**Figure 1-73** Remove the fuser

## Fuser motor

1. Before proceeding, remove the following:
  - Lower back cover or duplexer. See [Lower back cover on page 18](#) or [Duplexer on page 74](#).
  - Left cover. See [Left cover on page 21](#).
  - Top cover. See [Top cover on page 19](#).



2. Remove three screws (callout 1), disconnect one connector (callout 2), and then remove the fuser motor.

**Figure 1-74** Remove the fuser motor

## Right fan

1. Before proceeding, remove the following:
  - Right cover assembly. See [Right cover assembly on page 17](#).
  - SSA. See [Scanner subassembly \(SSA\) on page 37](#).
  - Top cover. See [Top cover on page 19](#).
  - Low-voltage power supply. See [Low-voltage power supply PCA on page 69](#).

2. Disconnect three connectors (callout 1) from the DC controller, and then remove the wire harness from the cable guide (callout 2).

**Figure 1-75** Remove the main fan (1 of 3)

3. Disconnect two FFCs from the DC controller, and then remove the FFCs from the cable guide.

**Figure 1-76** Remove the main fan (2 of 3)

4. Release two tabs on the back-corner of the chassis (callout 1), and then release one tab on the top of the chassis (callout 2). Remove the main fan.

**Figure 1-77** Remove the main fan (3 of 3)

## Left fan

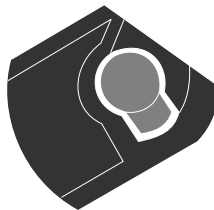
1. Before proceeding, remove the following:
  - Right cover assembly. See [Right cover assembly on page 17](#).
  - SSA. See [Scanner subassembly \(SSA\) on page 37](#).
  - Top cover. See [Top cover on page 19](#).
  - Left cover. See [Left cover on page 21](#).
2. On the left side of the product, close the cartridge door and release one spring (callout 1).

3. Use needle-nose pliers to unhook the tabs (callout 2) on the plastic arm.

**Figure 1-78** Remove the sub fan (1 of 5)

4. Open the cartridge door.
5. Rotate the plastic arm (callout 1) down to unhook the plastic arm from the tab (callout 2).

**Figure 1-79** Remove the sub fan (2 of 5)




6. Remove six screws, and then remove the fuser drive plate.

**Figure 1-80** Remove the sub fan (3 of 5)

7. Disconnect one connector, and then release four tabs. Remove the sub fan.

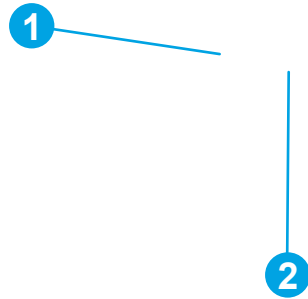
**Figure 1-81** Remove the sub fan (4 of 5)

---

 **TIP:** When you reinstall the fuser drive plate, make sure that you insert the tab (callout 1) into the arm (callout 2).

---

**Figure 1-82** Remove the sub fan (5 of 5)



## Registration unit

1. Before proceeding, remove the following:
  - Right cover assembly. See [Right cover assembly on page 17](#).
  - SSA. See [Scanner subassembly \(SSA\) on page 37](#).
2. Open the print-cartridge door.
3. Use needle-nose pliers to release two tabs (callout 1). Release two tabs (callout 2) on the gear cover (callout 3), and then slide the gear cover forward to remove.

**Figure 1-83** Remove the registration unit (1 of 2)

4. Remove two screws and then lift up the registration unit to remove.

**Figure 1-84** Remove the registration unit (2 of 2)

## Paper-feed assembly

1. Before proceeding, remove the following:
  - Right cover assembly. See [Right cover assembly on page 17](#).
  - SSA. See [Scanner subassembly \(SSA\) on page 37](#).
  - Registration unit. See [Registration unit on page 52](#).
  - Fuser. See [Fuser on page 46](#).
  - Transfer roller. See [Transfer roller on page 16](#).

2. Use a flatblade screwdriver, at the indicated location, to release the connector cover. Remove the connector cover.

**Figure 1-85** Remove the paper-feed unit (1 of 3)

3. Remove the registration unit. See [Registration unit on page 52](#).
4. Unhook four tabs.

**Figure 1-86** Remove the paper-feed unit (2 of 3)



5. Hold up the fuser shutter, and then remove the paper feed unit.

**Figure 1-87** Remove the paper-feed unit (3 of 3)

# Printed circuit assemblies (PCAs)

## Front USB PCA

1. Before proceeding, remove the following:
  - Right cover assembly. See [Right cover assembly on page 17](#).
  - Tray 2. See [Tray 2 on page 22](#).
  - Right cassette cover. See [Right cassette cover on page 25](#).
2. Disconnect the Front USB PCA cable from the formatter PCA.

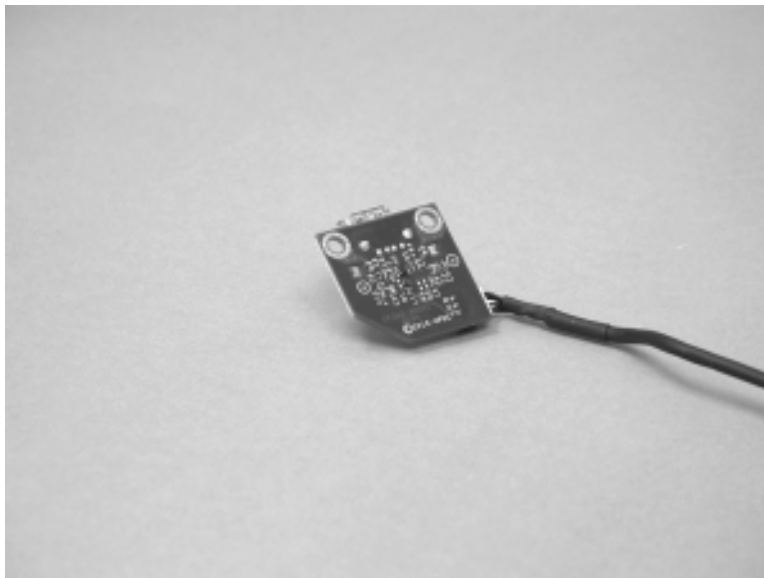
**Figure 1-88** Remove the Front USB PCA (1 of 4)

3. Remove two screws, and then remove the Front USB PCA mounting bracket from the chassis.

**Figure 1-89** Remove the Front USB PCA (2 of 4)

4. Place the Front USB PCA and mounting bracket on a level work place, remove two screws, and then separate the Front USB PCA from the mounting bracket.

**Figure 1-90** Remove the Front USB PCA (3 of 4)



5. Disconnect the USB cable from the Front USB PCA.

## DC controller PCA

1. Before proceeding, remove the following:
  - Right cover assembly. See [Right cover assembly on page 17](#).
  - Formatter PCA. See [Formatter and Wi-Fi PCAs on page 59](#).
  - SSA. See [Scanner subassembly \(SSA\) on page 37](#).
2. On the top of the product, disconnect one flat flexible cable (callout 1) from the laser/scanner (callout 2).

3. Use a flatblade screwdriver to release the ferrite block (callout 3) from the plastic holder (callout 4).

**Figure 1-91** Remove the DC controller (1 of 4)

4. Release one flat flexible cable (callout 1) from the cable guide (callout 2).

**Figure 1-92** Remove the DC controller (2 of 4)

5. Disconnect 14 connectors and two flat flexible cables.

**Figure 1-93** Remove the DC controller (3 of 4)

6. Remove four screws and then remove the DC controller PCA.

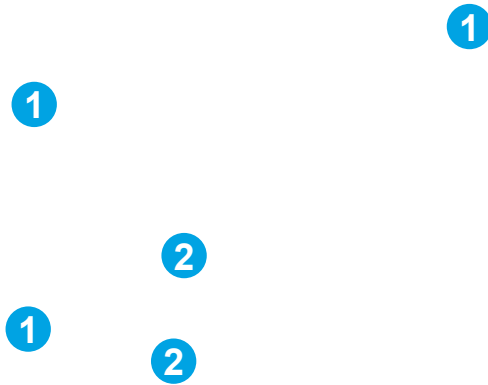
**Figure 1-94** Remove the DC controller (4 of 4)

## Formatter and Wi-Fi PCAs

1. Remove the right cover assembly. See [Right cover assembly on page 17](#).

2. Remove four FFCs (callout 1), and two connectors (callout 2) on the formatter PCA.

**Figure 1-95** Remove the formatter and Wi-Fi PCAs (1 of 3)



3. Remove four screws, and then remove the formatter PCA.

**Figure 1-96** Remove the formatter and Wi-Fi PCAs (2 of 3)

4. Place the formatter PCA on a level work surface, and then remove one screw. Unplug the Wi-Fi PCA from the formatter PCA to remove the Wi-Fi PCA.

**Figure 1-97** Remove the formatter and Wi-Fi PCAs (3 of 3)

## High-voltage power supply



**NOTE:** You do *not* need to remove the cartridge door unit to remove the high-voltage power supply, but you must remove the registration unit.

1. Before proceeding, remove the following:
  - Right cover assembly. See [Right cover assembly on page 17](#).
  - Formatter PCA. See [Formatter and Wi-Fi PCAs on page 59](#).
  - Lower back cover or duplexer. See [Lower back cover on page 18](#) or [Duplexer on page 74](#).
  - SSA. See [Scanner subassembly \(SSA\) on page 37](#).
  - Rear-cover assembly. See [Rear-cover assembly on page 18](#).
  - Top cover. See [Top cover on page 19](#).
  - Left cover. See [Left cover on page 21](#).
  - Transfer roller. See [Transfer roller on page 16](#).
  - Registration unit. [Registration unit on page 52](#)
  - Paper feed unit. See [Paper-feed assembly on page 53](#)
  - Fuser. See [Fuser on page 46](#).

2. Use a flatblade screwdriver to release the connector cover. Put the point of the screwdriver at the indicated location and then remove the connector cover.

**Figure 1-98** Remove the high-voltage power supply (1 of 14)

3. Remove the registration unit. See [Registration unit on page 52](#).
4. Unhook four tabs and remove the paper feed unit.

**Figure 1-99** Remove the high-voltage power supply (2 of 14)



5. At the back of the product, pull the plastic cover toward you and unhook two springs. Flex the plastic cover by pressing the two sides inward and remove it from the back of the product.

**Figure 1-100** Remove the high-voltage power supply (3 of 14)

6. From the back of the product, unhook the front tab on the guide on the left side of the product.



**NOTE:** This tab is the one furthest from you.

---

**Figure 1-101** Remove the high-voltage power supply (4 of 14)

7. Unhook the rear tab.



---

**NOTE:** This tab is the one closest to you.

---

**Figure 1-102** Remove the high-voltage power supply (5 of 14)

8. From the back lower left of the product, slightly turn the guide upward and move it to the left to remove it.

**Figure 1-103** Remove the high-voltage power supply (6 of 14)

9. Unhook two tabs on the right side of the product and remove the guide.

**Figure 1-104** Remove the high-voltage power supply (7 of 14)



---


**TIP:** When you reinstall, install the rear tab and then the front tab.

---

10. Unhook four tabs, and then remove the sensor flag and two bushings.

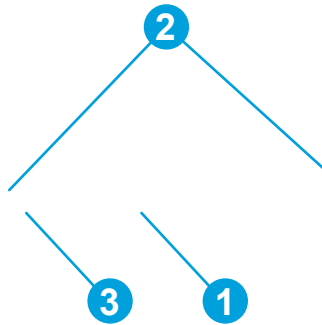
**Figure 1-105** Remove the high-voltage power supply (8 of 14)

---

 **NOTE:** Before you reinstall the sensor flag, preset the sensor lever (callout 1), two bushings (callout 2), and one spring (callout 3).

---

**Figure 1-106** Remove the high-voltage power supply (9 of 14)



11. Disconnect two flat flexible cables (callout 1) and one connector (callout 2) from the high-voltage power supply PCA.



---

**NOTE:** The connector (callout 2) release is on the left side of the connector. Push the connector release when disconnecting the connector.

---

**Figure 1-107** Remove the high-voltage power supply (10 of 14)

12. Remove two screws at the front of the product.

**Figure 1-108** Remove the high-voltage power supply (11 of 14)

13. Remove two screws at the back of the product, and then pull the high-voltage power supply out of the back of the chassis to remove.

**Figure 1-109** Remove the high-voltage power supply (12 of 14)

14. Pull the high-voltage power supply (callout 1) toward you slightly and tilt it down to remove it.

**Figure 1-110** Remove the high-voltage power supply (13 of 14)

15. Remove the sensor lever (callout 1) and the spring (callout 2) from the high-voltage power supply.

**Figure 1-111** Remove the high-voltage power supply (14 of 14)

## Low-voltage power supply PCA

1. Before proceeding, remove the following:
  - Right cover assembly. See [Right cover assembly on page 17](#).
  - Formatter PCA. See [Formatter and Wi-Fi PCAs on page 59](#).
  - SSA. See [Scanner subassembly \(SSA\) on page 37](#).
  - Rear-cover assembly. See [Rear-cover assembly on page 18](#).
  - Right handle cover. See [Right handle cover on page 25](#).
  - Top cover. See [Top cover on page 19](#).

2. Use a flatblade screwdriver to release the power supply connector cover, and then remove the power supply connector cover.

**Figure 1-112** Remove the low-voltage power supply PCA (1 of 6)

3. Use a flatblade screwdriver to disconnect the power supply connector.



---

**TIP:** It is easier to disconnect the connector with the paper feed assembly removed.



---

**NOTE:** The connector release is on the left side of the connector. Push the connector release when disconnecting the connector.

---

**Figure 1-113** Remove the low-voltage power supply PCA (2 of 6)

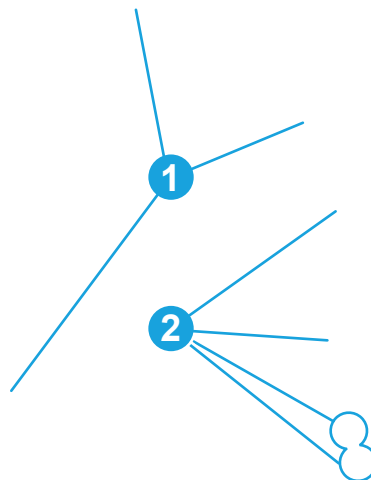


4. Remove one screw for the grounding wire (callout 1), and then remove four screws (callout 2). Remove the formatter PCA mounting plate.

**Figure 1-114** Remove the formatter PCA mounting plate

5. Remove three screws from the right-side of the product (callout 1) and four screws from the back of the product (callout 2).

**Figure 1-115** Remove the low-voltage power supply PCA (3 of 6)



6. Remove one screw (callout 1), release three tabs (callout 2), and then remove the black cover from the DC controller PCA.

**Figure 1-116** Remove the low-voltage power supply PCA (4 of 6)

7. Disconnect two connectors.

**Figure 1-117** Remove the low-voltage power supply PCA (5 of 6)

8. Carefully pull the low-voltage power supply away from the chassis, making sure the power supply connector clears its hole in the chassis, and remove the low-voltage power supply.

**Figure 1-118** Remove the low-voltage power supply PCA (6 of 6)

# Duplexer

## Duplexer

1. At the back of the product, pull out the duplexer until it stops.
2. Lift up the duplexer, and then slightly pull it toward you to remove it.

**Figure 1-119** Remove the duplexer



## Duplexer left cover

1. Using a flatblade screwdriver, unhook two tabs (callout 1) on the bottom of the duplexer.

**Figure 1-120** Remove the duplexer left cover (1 of 2)



2. Release one tab (callout 1) and then hold up and pull the left cover (callout 2) in the direction that the arrow indicates to remove it.

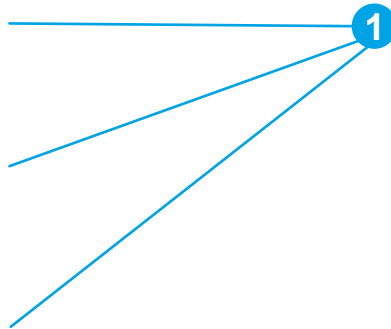
**Figure 1-121** Remove the duplexer left cover (2 of 2)



## Duplexer right cover

1. Release three tabs (callout 1).

**Figure 1-122** Remove the duplexer right cover (1 of 2)



2. Release one tab (callout 1), and then remove the right cover (callout 2).

**Figure 1-123** Remove the duplexer right cover (2 of 2)



## Duplexer top cover

1. Before proceeding, remove the following:
  - Duplexer left cover. See [Duplexer left cover on page 74](#).
  - Duplexer right cover. See [Duplexer right cover on page 75](#).
2. On the right side of the duplexer, remove one screw (callout 1).

**Figure 1-124** Remove the duplexer top cover (1 of 3)



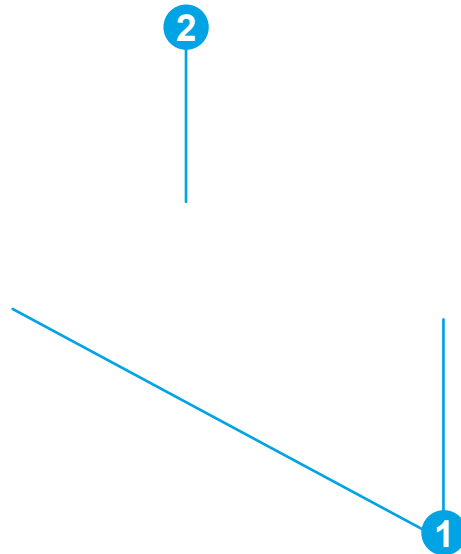
3. Release one boss (callout 1).

**Figure 1-125** Remove the duplexer top cover (2 of 3)



4. Release two tabs (callout 1) and then remove the top cover (callout 2).

**Figure 1-126** Remove the duplexer top cover (3 of 3)

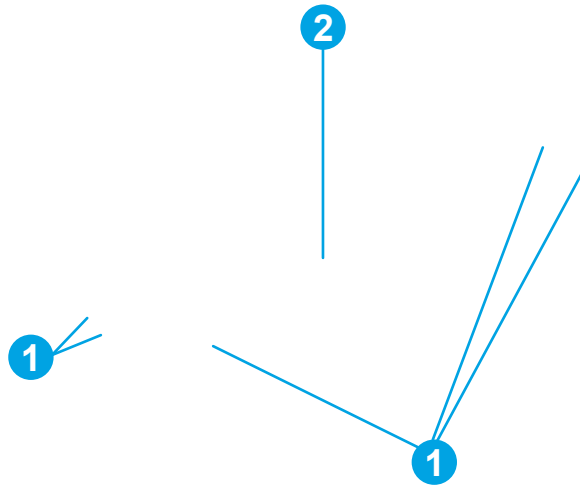


## Duplexer rear cover

1. Before proceeding, remove the following:
  - Duplexer right cover. See [Duplexer right cover on page 75](#).
  - Duplexer left cover. See [Duplexer left cover on page 74](#).
  - Duplexer top cover. See [Duplexer top cover on page 76](#).

2. Release five tabs (callout 1), and then remove the rear cover (callout 2).

**Figure 1-127** Remove the duplexer rear cover



## Duplex drive assembly

1. Before proceeding, remove the following:
  - Duplexer right cover. See [Duplexer right cover on page 75](#).
  - Duplexer left cover. See [Duplexer left cover on page 74](#).
  - Duplexer top cover. See [Duplexer top cover on page 76](#).
  - Duplexer rear-cover. See [Duplexer rear cover on page 77](#)
2. Remove one screw (callout 1) and the connector cover (callout 2).

**Figure 1-128** Remove the duplex drive assembly (1 of 17)





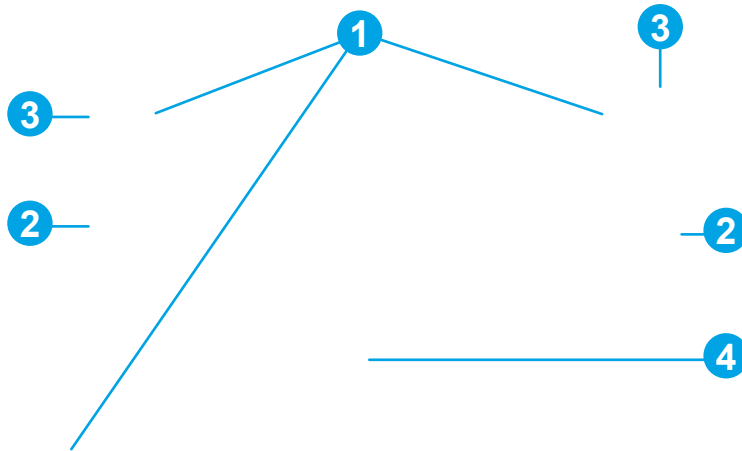
3. Disconnect one connector (callout 1).

**Figure 1-129** Remove the duplex drive assembly (2 of 17)



4. Remove three tapping screws (callout 1), two screws (callout 2), release two tabs (callout 3), and then remove the upper guide assembly (callout 4).

**Figure 1-130** Remove the duplex drive assembly (3 of 17)



5. Remove the springs on both sides (callout 1) when removing the upper guide assembly.

**Figure 1-131** Remove the duplex drive assembly (4 of 17)

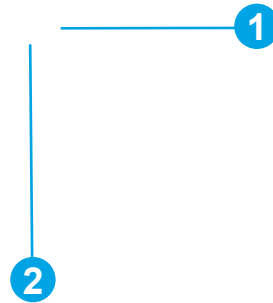


**Figure 1-132** Remove the duplex drive assembly (5 of 17)



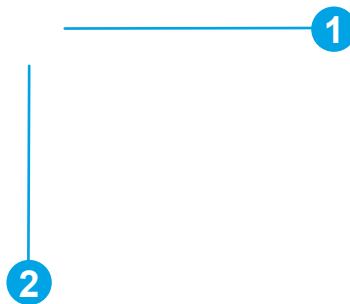
6. Make sure that the shaft (callout 1) of the LED assembly is correctly placed in the hole (callout 2) of the photoreceiver sensor assembly when reassembling the upper guide assembly.

**Figure 1-133** Remove the duplex drive assembly (6 of 17)



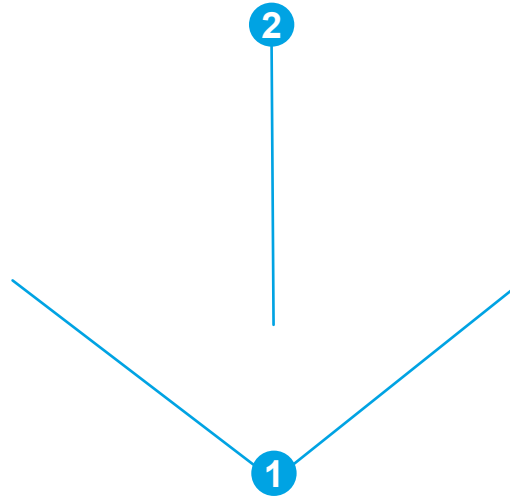
Close-up view of LED shaft assembly.

**Figure 1-134** Remove the duplex drive assembly (7 of 17)



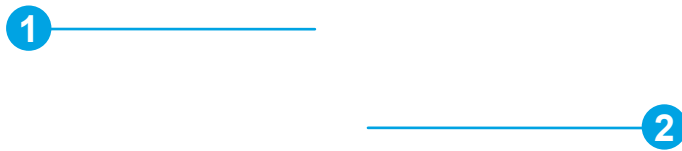
7. Release two tabs (callout 1), and then remove the pickup guide (callout 2).

**Figure 1-135** Remove the duplex drive assembly (8 of 17)



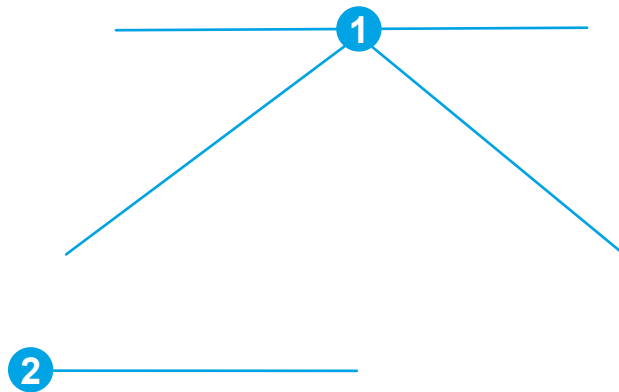
8. Remove one screw (callout 1), and then remove the spring (callout 2).

**Figure 1-136** Remove the duplex drive assembly (9 of 17)



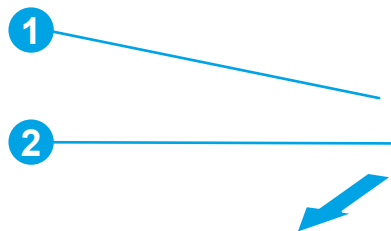
9. Remove four screws (callout 1), and then remove the lower guide (callout 2).

**Figure 1-137** Remove the duplex drive assembly (10 of 17)



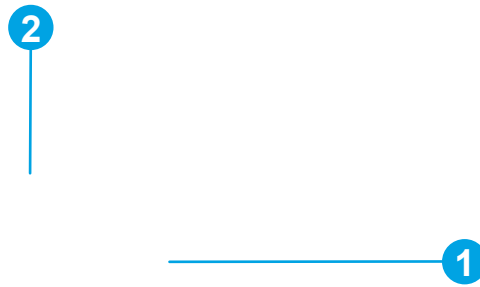
10. Release one tab (callout 1) upward, and then slide the shaft (callout 2) in the direction that the arrow indicates to remove it.

**Figure 1-138** Remove the duplex drive assembly (11 of 17)



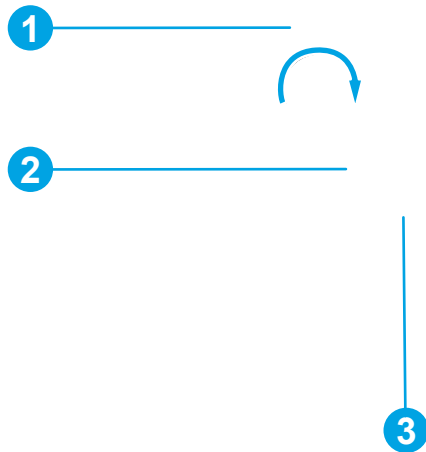
11. Hold up the gear (callout 1), and then loose the belt (callout 2).

**Figure 1-139** Remove the duplex drive assembly (12 of 17)



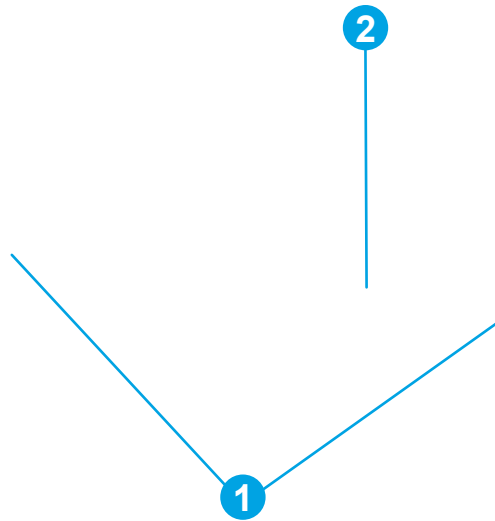
12. Turn the shaft (callout 1) in the direction that the arrow indicates, and then remove the belt (callout 3) from the gear (callout 2).

**Figure 1-140** Remove the duplex drive assembly (13 of 17)



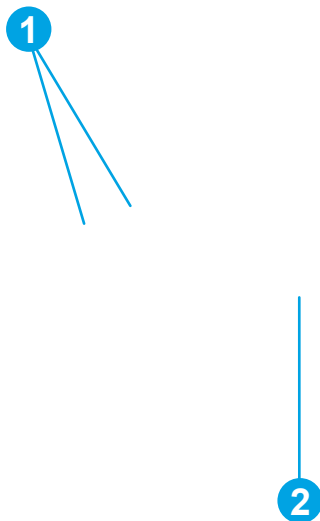
13. Remove two screws (callout 1) and the duct (callout 2).

**Figure 1-141** Remove the duplex drive assembly (14 of 17)



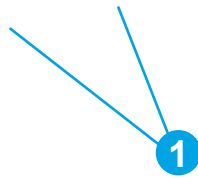
14. Disconnect two connectors (callout 1), and then release the cables (callout 2) from the cable guide.

**Figure 1-142** Remove the duplex drive assembly (15 of 17)



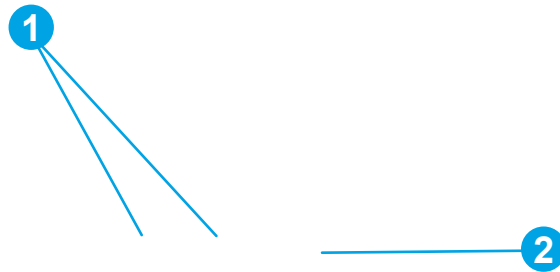
15. Remove two screws (callout 1).

**Figure 1-143** Remove the duplex drive assembly (16 of 17)



16. Remove two screws (callout 1), and then remove the duplex drive assembly (callout 2).

**Figure 1-144** Remove the duplex drive assembly (17 of 17)



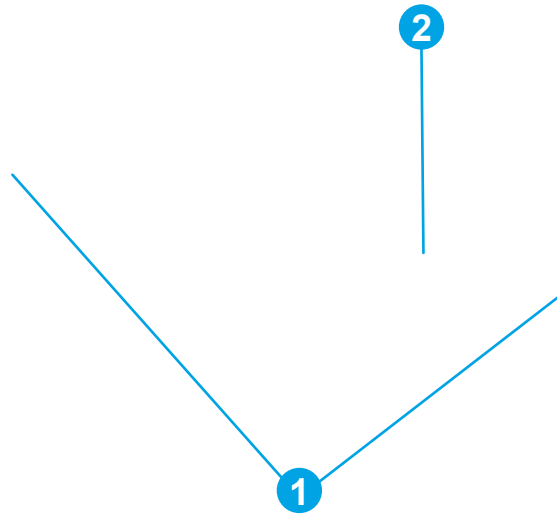
## Duplexer driver PCA

1. Before proceeding, remove the following:
  - Duplexer right cover. See [Duplexer right cover on page 75](#).
  - Duplexer left cover. See [Duplexer left cover on page 74](#).
  - Duplexer top cover. See [Duplexer top cover on page 76](#).
  - Duplexer back cover. See [Duplexer rear cover on page 77](#).



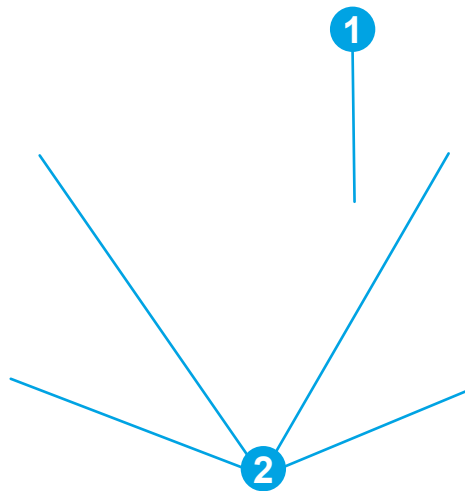
2. Remove two screws (callout 1) and one duct (callout 2).

**Figure 1-145** Remove the duplexer feed motor (1 of 5)



3. Disconnect seven connectors on the duplex driver (callout 1), remove four screws (callout 2), and then remove the duplex driver.

**Figure 1-146** Remove the duplexer feed motor (2 of 5)

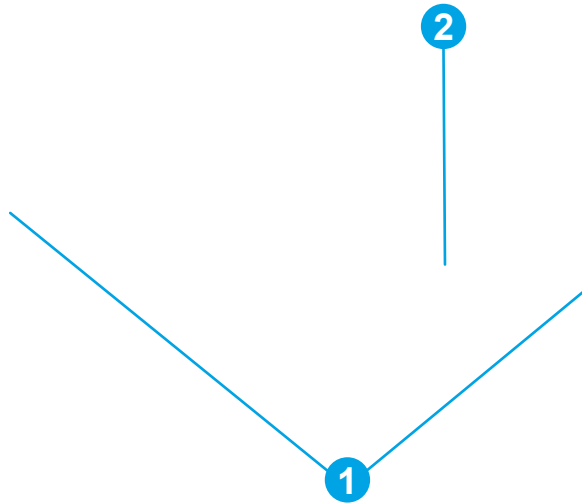


## Duplexer fan

1. Before proceeding, remove the following:
  - Duplexer right cover. See [Duplexer right cover on page 75](#).
  - Duplexer left cover. See [Duplexer left cover on page 74](#).
  - Duplexer top cover. See [Duplexer top cover on page 76](#).

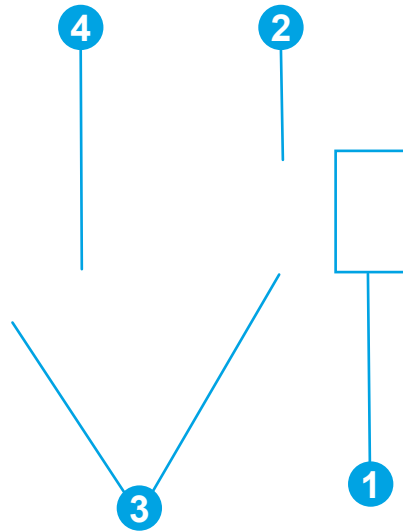
2. Remove two screws (callout 1), and then remove one duct (callout 2).

**Figure 1-147** Remove the duplexer fan (1 of 4)



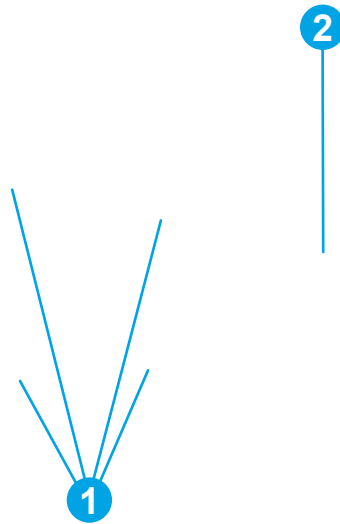
3. Disconnect three connectors (callout 1), release the cables (callout 2) from the cable guide, and then remove two screws (callout 3) and the duplex fan holder (callout 4).

**Figure 1-148** Remove the duplexer fan (2 of 4)



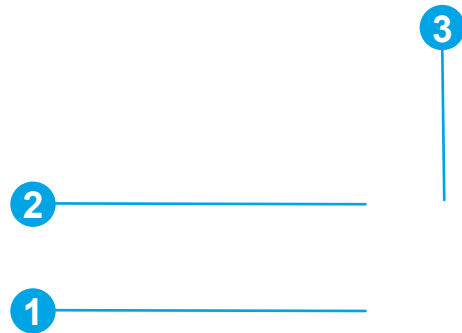
4. Release four tabs (callout 1), and then remove the duplex fan (callout 2).

**Figure 1-149** Remove the duplexer fan (3 of 4)



5. Make sure that the fan holder (callout 1), the label on the fan (callout 2) and the cables (callout 3) are correctly installed when reassembling the duplex fan into the duplex fan holder.

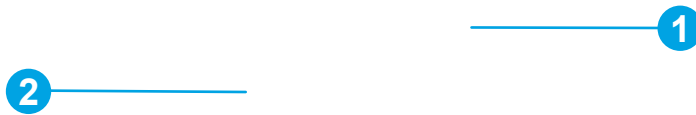
**Figure 1-150** Remove the duplexer fan (4 of 4)



## Registration sensor photoreceiver assembly

1. Remove one screw (callout 1), and then remove the connector cover (callout 2).

**Figure 1-151** Remove the registration sensor photoreceiver assembly (1 of 9)



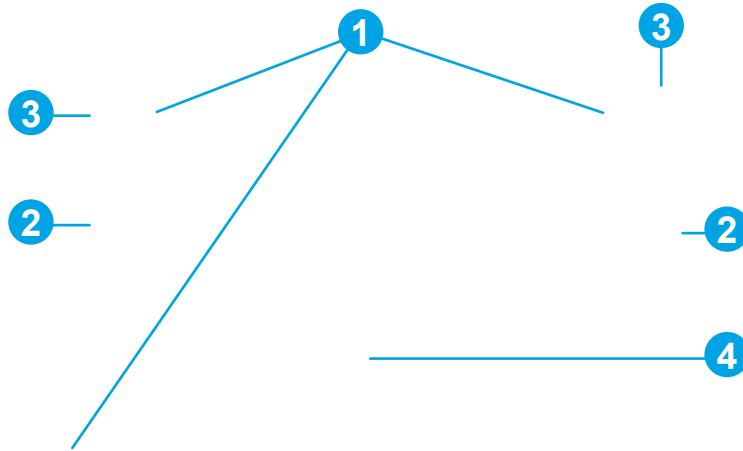
2. Disconnect one connector (callout 1).

**Figure 1-152** Remove the registration sensor photoreceiver assembly (2 of 9)



3. Remove three tapping screws (callout 1), two screws (callout 2), release two tabs (callout 3), and then remove the upper guide assembly (callout 4).

**Figure 1-153** Remove the registration sensor photoreceiver assembly (3 of 9)



4. Remove the springs on both sides (callout 1) when removing the upper guide assembly.

**Figure 1-154** Remove the duplex drive assembly (4 of 9)

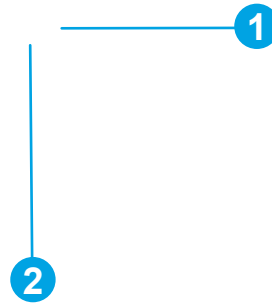


**Figure 1-155** Remove the duplex drive assembly (5 of 9)



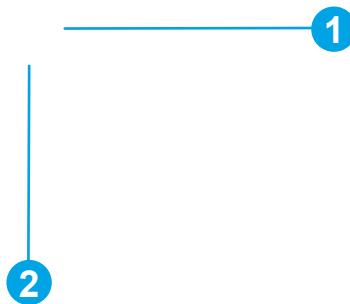
5. Make sure that the shaft (callout 1) of the LED assembly is correctly placed in the hole (callout 2) of the photoreceiver sensor assembly when reassembling the upper guide assembly.

**Figure 1-156** Remove the registration sensor photoreceiver assembly (6 of 9)



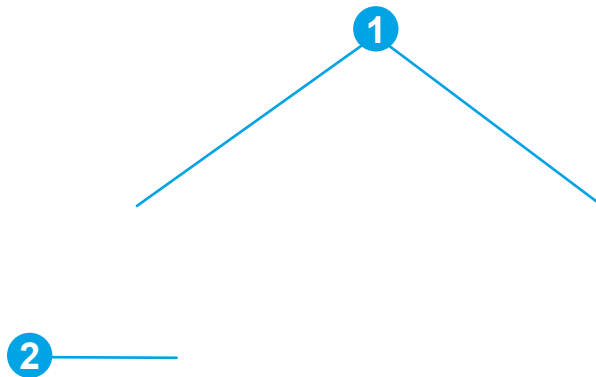
Close-up view of LED shaft assembly.

**Figure 1-157** Remove the registration sensor photoreceiver assembly (7 of 9)



6. Remove two screws (callout 1), and then remove the registration sensor photoreceiver assembly (callout 2).

**Figure 1-158** Remove the registration sensor photoreceiver assembly (8 of 9)



**TIP:** Replace the LED assembly and the photoreceiver sensor assembly together at the same time.

Install the LED assembly (callout 1) against the arrow direction when reassembling the LED assembly.

**Figure 1-159** Remove the registration sensor photoreceiver assembly (9 of 9)





## Registration sensor LED assembly

1. Remove one screw (callout 1) and the connector cover (callout 2).

**Figure 1-160** Remove the registration sensor LED assembly (1 of 12)



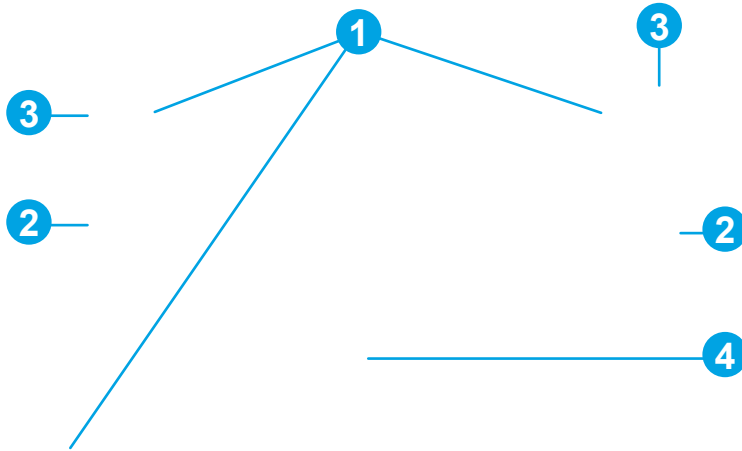
2. Disconnect one connector (callout 1).

**Figure 1-161** Remove the registration sensor LED assembly (2 of 12)



3. Remove three tapping screws (callout 1), two screws (callout 2), release two tabs (callout 3), and then remove the upper guide assembly (callout 4).

**Figure 1-162** Remove the registration sensor LED assembly (3 of 12)



4. Remove the springs on both sides (callout 1) when removing the upper guide assembly.

**Figure 1-163** Remove the duplex drive assembly (4 of 12)

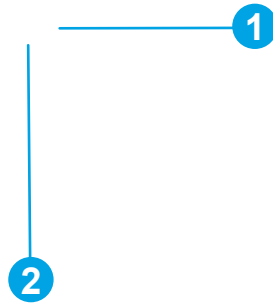


**Figure 1-164** Remove the duplex drive assembly (5 of 12)



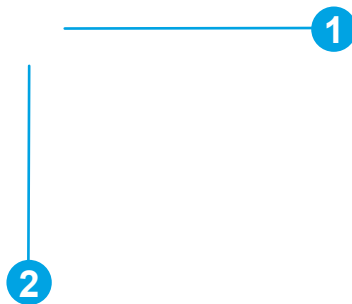
5. Make sure that the shaft (callout 1) of the LED assembly is correctly placed in the hole (callout 2) of the photoreceiver sensor assembly when reassembling the upper guide assembly.

**Figure 1-165** Remove the registration sensor LED assembly (6 of 12)



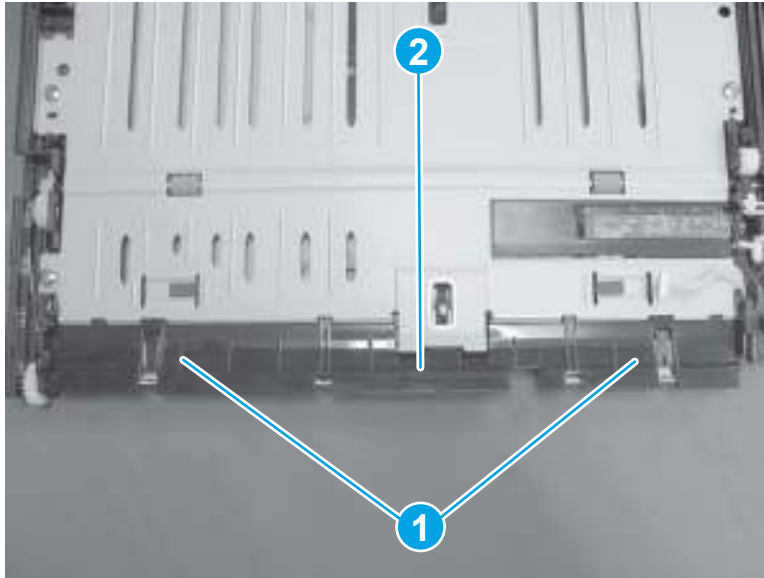
Close-up view of LED shaft assembly.

**Figure 1-166** Remove the registration sensor LED assembly (7 of 12)



6. Release two tabs (callout 1) and remove the pickup guide (callout 2).

**Figure 1-167** Remove the registration sensor LED assembly (8 of 12)



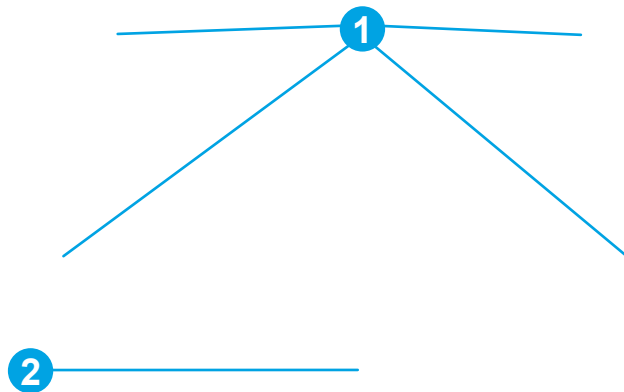
7. Remove one screw (callout 1) and the spring (callout 2).

**Figure 1-168** Remove the registration sensor LED assembly (9 of 12)



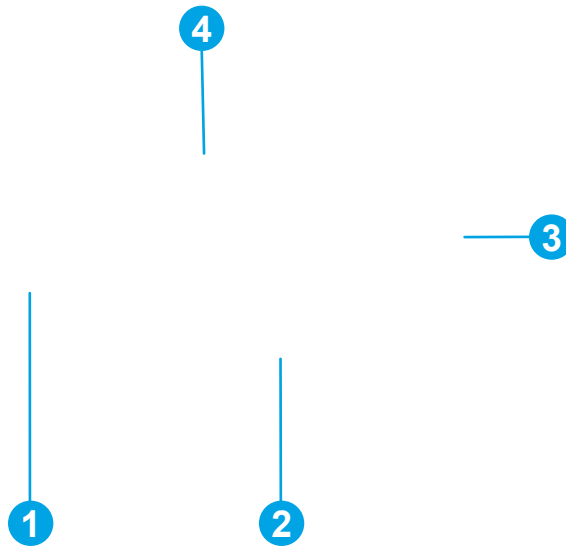
8. Remove four screws (callout 1) and the lower guide (callout 2).

**Figure 1-169** Remove the registration sensor LED assembly (10 of 12)



9. Remove one screw (callout 1), disconnect one connector (callout 2), release one tab (callout 3), and then remove the LED assembly (callout 4).

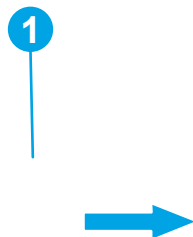
**Figure 1-170** Remove the registration sensor LED assembly (11 of 12)



 **TIP:** Replace the LED assembly and the photoreceiver sensor assembly together at the same time.

Install the LED assembly (callout 1) against the arrow direction when reassembling the LED assembly.

**Figure 1-171** Remove the registration sensor LED assembly (12 of 12)



## 500-sheet feeder

### 500-sheet feeder front cover

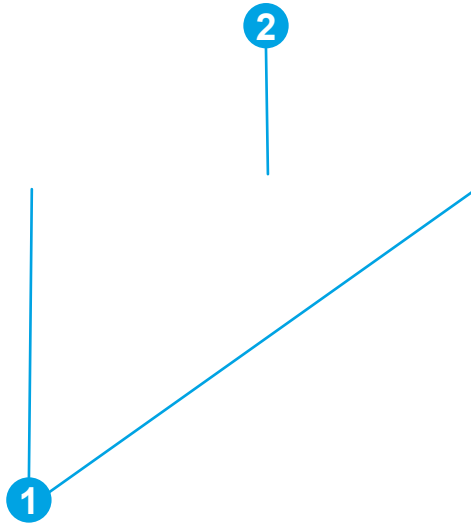
1. Remove the 500-sheet tray.
2. Remove one screw (callout 1).

**Figure 1-172** Remove the 500-sheet feeder front cover (1 of 2)



3. Unhook two tabs (callout 2), and then remove the 500-sheet feeder front cover (callout 3).

**Figure 1-173** Remove the 500-sheet feeder front cover (2 of 2)

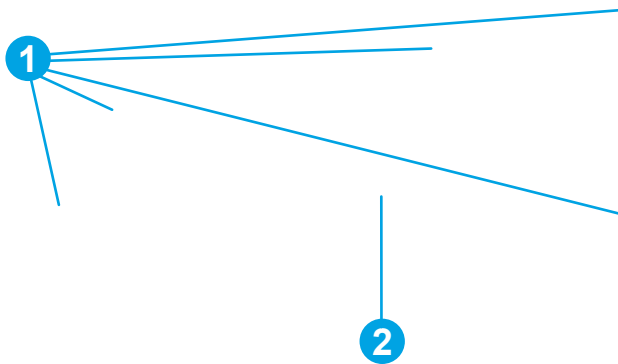




## 500-sheet feeder left cover

1. Remove the 500-sheet tray.
2. Before proceeding, remove the following:
  - 500-sheet feeder front cover. See [500-sheet feeder front cover on page 102](#).
3. Release five tabs (callout 1), and then remove the left cover (callout 2).

**Figure 1-174** Remove the 500-sheet feeder left cover



## 500-sheet feeder right cover

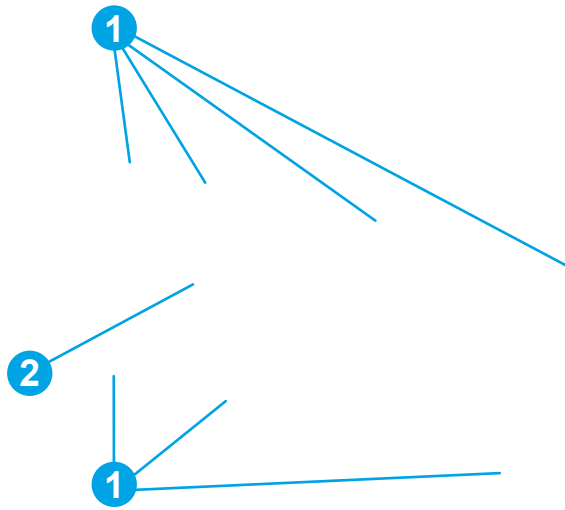


**NOTE:** The 500-sheet feeder right cover is difficult to remove.

1. Remove the 500-sheet tray.
2. Before proceeding, remove the following:
  - 500-sheet feeder front cover. See [500-sheet feeder front cover on page 102](#).

3. Release seven tabs (callout 1), and then remove the right cover (callout 2).

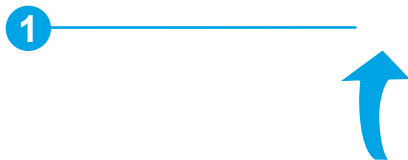
**Figure 1-175** Remove the 500-sheet feeder right cover



## 500-sheet feeder cassette cover

1. Remove the 500-sheet tray.
2. Before proceeding, remove the following:
  - 500-sheet feeder front cover. See [500-sheet feeder front cover on page 102](#).
  - 500-sheet feeder right cover. See [500-sheet feeder right cover on page 103](#).
3. Slide the cassette cover (callout 1) toward the left of the paper feeder.

**Figure 1-176** Remove the 500-sheet feeder rear dust cover



## 500-sheet feeder paper-pickup unit

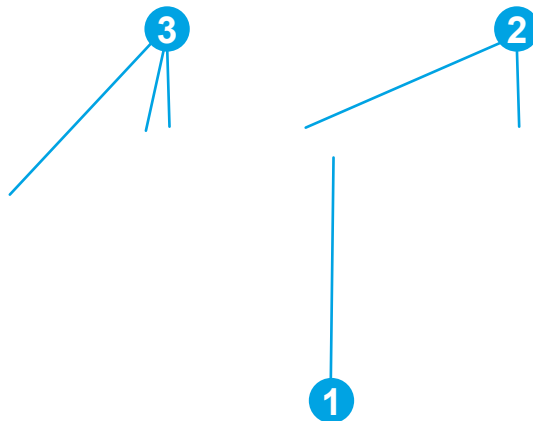
1. Remove the 500-sheet tray.
2. Before proceeding, remove the following:
  - 500-sheet feeder front cover. See [500-sheet feeder front cover on page 102](#).
  - 500-sheet feeder right cover. See [500-sheet feeder right cover on page 103](#).
  - 500-sheet feeder left cover. See [500-sheet feeder left cover on page 103](#).
3. Unhook one spring (callout 2) from the metal hook, and then disconnect two connectors (callout 1).

**Figure 1-177** Remove the 500-sheet feeder paper-pickup unit (1 of 4)



4. Release the cables (callout 1) from the cable guides (callout 2) and the cable clamps (callout 3).

**Figure 1-178** Remove the 500-sheet feeder paper-pickup unit (2 of 4)



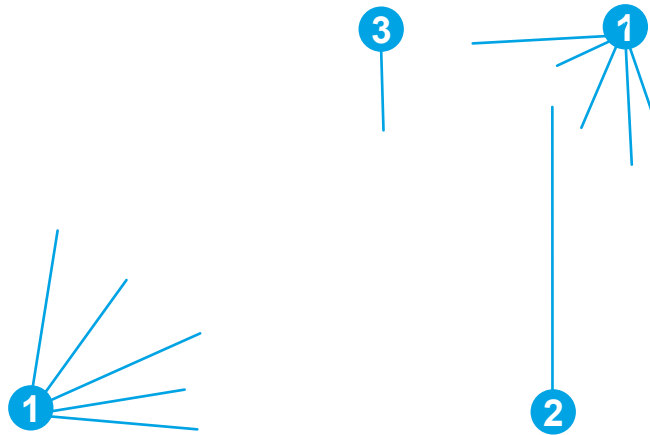
5. Remove one screw (callout 1), and then remove the connector unit (callout 2).

**Figure 1-179** Remove the 500-sheet feeder paper-pickup unit (3 of 4)



6. Remove ten screws (callout 1), one blue screw (callout 2), and then remove the paper-feed cassette pickup assembly (callout 3).

**Figure 1-180** Remove the 500-sheet feeder paper-pickup unit (4 of 4)



## 500-sheet feeder lifter drive unit

1. Remove the 500-sheet tray.
2. Before proceeding, remove the following:
  - 500-sheet feeder front cover. See [500-sheet feeder front cover on page 102](#).
  - 500-sheet feeder right cover. See [500-sheet feeder right cover on page 103](#).

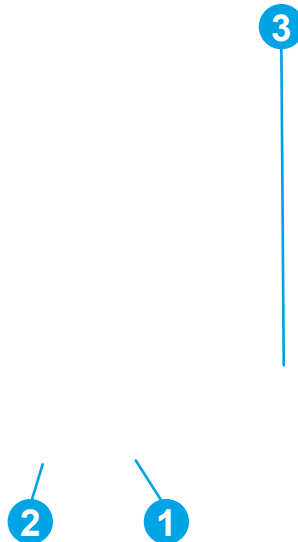
3. Unhook one spring (callout 1), and then disconnect one connector (callout 2).

**Figure 1-181** Remove the 500-sheet feeder lifter drive unit (1 of 2)



4. Remove one screw (callout 1), one bushing (callout 2), and then remove the paper-feeder cassette lifter drive assembly (callout 3).

**Figure 1-182** Remove the 500-sheet feeder lifter drive unit (2 of 2)



## 500-sheet feeder drive unit



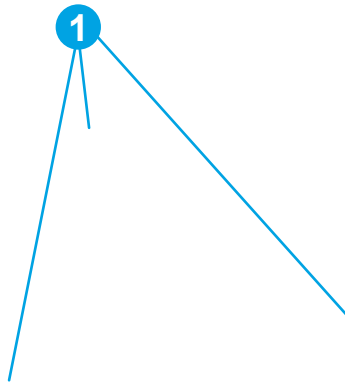
**NOTE:** Be careful not to lose the solenoid. It is loose.

1. Remove the 500-sheet tray.
2. Before proceeding, remove the following:

- 500-sheet feeder front cover. See [500-sheet feeder front cover on page 102](#).
- 500-sheet feeder right cover. See [500-sheet feeder right cover on page 103](#).
- 500-sheet feeder left cover. See [500-sheet feeder left cover on page 103](#).
- 500-sheet feeder paper pickup unit. See [500-sheet feeder paper-pickup unit on page 105](#).

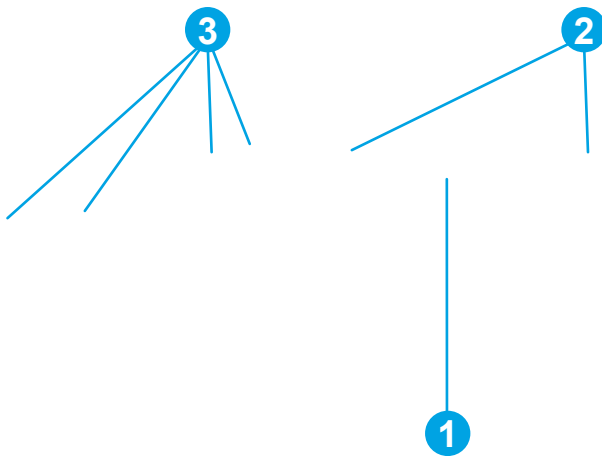
3. Disconnect three connectors (callout 1).

**Figure 1-183** Remove the 500-sheet feeder drive unit (1 of 7)



4. Release the cables (callout 1) from the cable guides (callout 2) and the cable clamps (callout 3).

**Figure 1-184** Remove the 500-sheet feeder drive unit (2 of 7)



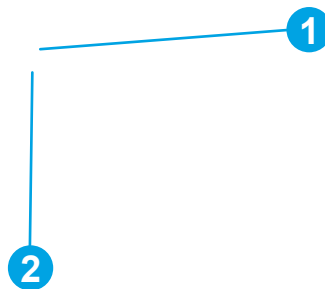
5. Remove two screws (callout 1), and then remove the 500-sheet feeder paper-pickup motor (callout 2).

**Figure 1-185** Remove the 500-sheet feeder drive unit (3 of 7)



6. Unhook one tab (callout 1), and then remove one gear (callout 2).

**Figure 1-186** Remove the 500-sheet feeder drive unit (4 of 7)



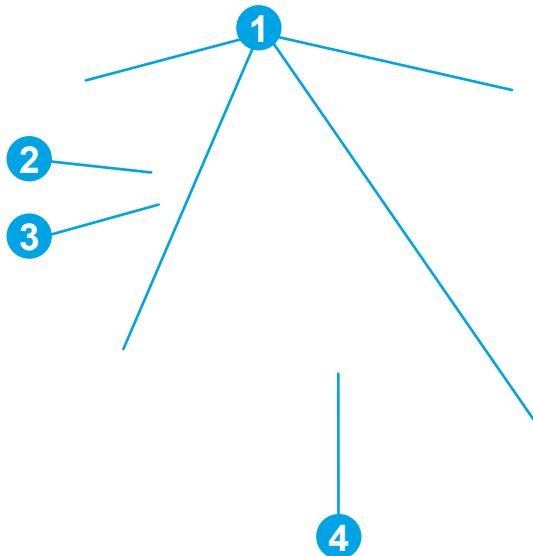
7. Remove one bushing (callout 1).

**Figure 1-187** Remove the 500-sheet feeder drive unit (5 of 7)



8. Remove four screws (callout 1), one black screw (callout 2) and then remove the paper-feed cassette pickup solenoid (callout 3) and the drive assembly (callout 4) together.

**Figure 1-188** Remove the 500-sheet feeder drive unit (6 of 7)





9. Remove the paper-feeder cassette pickup solenoid (callout 2) from the drive assembly (callout 1).

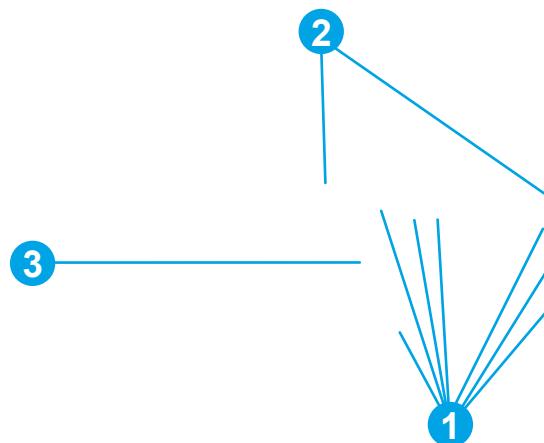
**Figure 1-189** Remove the 500-sheet feeder drive unit (7 of 7)



## 500-sheet feeder drive PCA

1. Remove the 500-sheet tray.
2. Before proceeding, remove the following:
  - 500-sheet feeder front cover. See [500-sheet feeder front cover on page 102](#).
  - 500-sheet feeder right cover. See [500-sheet feeder right cover on page 103](#).
3. Disconnect seven connectors (callout 1), remove two screws (callout 2), and then remove the paper-feed driver PCA.
4. Remove the 500-sheet feeder drive PCA (callout 3).

**Figure 1-190** Remove the 500-sheet feeder drive PCA



## 500-sheet feeder pickup motor

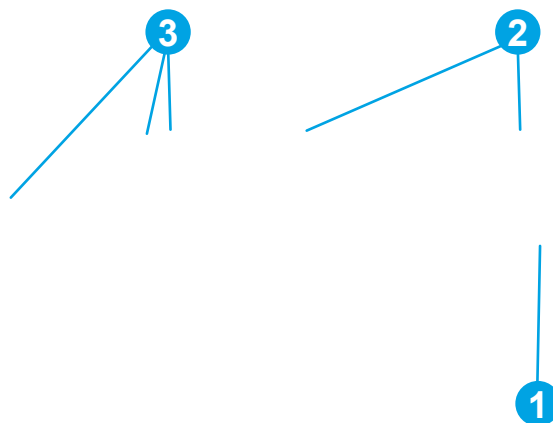
1. Remove the 500-sheet tray.
2. Before proceeding, remove the following:
  - 500-sheet feeder front cover. See [500-sheet feeder front cover on page 102](#).
  - 500-sheet feeder right cover. See [500-sheet feeder right cover on page 103](#).
3. Disconnect one connector (callout 1).

**Figure 1-191** Remove the 500-sheet feeder pickup motor (1 of 3)



4. Release the cables (callout 1) from the cable guides (callout 2) and the cable clamps (callout 3).

**Figure 1-192** Remove the 500-sheet feeder pickup motor (2 of 3)



5. Remove two screws (callout 1), and then remove the paper-feeder cassette pickup motor (callout 2).

**Figure 1-193** Remove the 500-sheet feeder pickup motor (3 of 3)





## 2 Parts and diagrams

This section describes resources for ordering parts, and for technical support and resources for ordering related documentation and software.

### Order parts by authorized service providers

**Table 2-1 Order parts, accessories, and supplies**

Order supplies and paper	<a href="http://www.hp.com/go/suresupply">www.hp.com/go/suresupply</a>
Order genuine HP parts or accessories	<a href="http://www.hp.com/buy/parts">www.hp.com/buy/parts</a>
Order through service or support providers	Contact an HP-authorized service or support provider.
Order using HP software	For information about using the HP software to order parts, accessories, and supplies, see the product user guide.

### Service kit parts

**Table 2-2 Repair kits**

Kit part number	Description	Part number	Customer replaceable?	Self-replace option
A3E42-65017	<b>Tray 1 Cover Kit (includes name plate &amp; HP logo)</b>		N	
	Multi-purpose cover assembly	RM2-0625-000		
	Name plate: LaserJet Pro MFP M435nw	A3E42-40010		
	Low profile round logo, size 35	7121-8541		
	Multi-Purpose Tray (Tray1) install guide	A3E42-90982		
A3E42-65018	<b>Tray 1 Roller Kit</b>		Y	Optional
	Roller, multi-purpose paper pick-up	RL2-0544-000		
	Multi-purpose pad assembly	RM1-2462-000		
	Tray 1 Roller Kit install guide	A3E42-90983		
	<b>Tray 2 Roller Kit</b>	A3E42-65019	Y	Optional
	Cassette pick-up roller assembly	RL1-4049-000		
	Tray 2 separation pad	RM1-2546-000		
	Tray 2 Roller Kit Install Guide	A3E42-90984		

**Table 2-2 Repair kits (continued)**

<b>Kit part number</b>	<b>Description</b>	<b>Part number</b>	<b>Customer replaceable?</b>	<b>Self-replace option</b>
A3E42-65010	<b>Tray 2 Cassette Assembly Kit</b>		Y	Optional
	Cassette assembly	RM2-0629-000		
A3E42-65011	<b>Tray 3 Roller Kit</b>		Y	Mandatory
	Paper pick-up roller assembly	RM1-0036-020		
	Paper feed roller assembly	RM1-0037-020		
	Tray 3 retard roller	RM1-0037-020		
	Tray 3 Roller Kit install guide	A3E42-90985		
A3E42-65012	<b>Laser Scanner Kit</b>		N	
	Laser Scanner assembly	RM2-0648-000		
	Laser Scanner Install guide	A3E42-90986		
A3E42-65013	<b>220V Fuser Kit</b>		N	
	Fuser assembly (220V)	RM2-0639-000		
	Recycle Guide	5851-3945		
	Fuser Install Guide	A3E42-90987		
A3E42-65014	<b>Transfer Roller Kit</b>		N	
	Transfer Roller assembly	RM2-5841-000		
	Transfer Roller Kit Install Guide	A3E42-90988		
A3E42-65015	<b>Scanner Flatbed Whole Unit Kit</b>		N	
	Whole unit scanner assembly with control panel	A3E42-60101		
	Scanner Flatbed Whole Unit install guide	A3E42-90989		
A3E46-67901	<b>Optional accessory duplex unit</b>			
	Optional Duplexer Unit	A3E46A		
	Duplexer Installation Guide	A3E46-90901		
A3E47-67901	<b>Optional accessory 500 Sheet Feeder Tray 3</b>		Y	Mandatory
	Optional accessory 500 Sheet Feeder Tray 3 Product	A3E47A		
	Optional tray Installation Guide	A3E47-90901		
A3E42-65016	<b>Service Maintenance Kit</b>		N	
	Fusing assembly (220V)	RM2-0639-000		
	Transfer roller assembly	RM2-5841-000		
	Roller, multi-purpose paper pick-up	RL2-0544-000		
	Multi-purpose pad assembly	RM1-2462-000		
	Cassette pick-up roller assembly	RL1-4049-000		
	Tray 2 Separation Pad	RM1-2546-000		

**Table 2-2 Repair kits (continued)**

Kit part number	Description	Part number	Customer replaceable?	Self-replace option
	Recycle Guide	5851-3945		
	Service Maintenance install guide	NA		

## Whole-unit replacement part numbers

**Table 2-3 Whole-unit replacement part numbers**

Item	Description	Part number
HP LaserJet Pro MFP M435nw Printer	220V CN #AB2	A3E42-67901 (replacement)
HP LaserJet Pro MFP M435nw Printer	220V IN #ACJ	A3E42-67905 (replacement)
HP LaserJet Pro MFP M435nw Printer	220V EMEA #B19	A3E42-69002 (exchange)

## Supplies and accessories part numbers

Item	Description	Part number
HP CZ192A Black Laser Cartridge	Replacement toner cartridge	CZ192-67901
Optional accessory Duplex unit		A3E46-67901
Optional accessory 500-Sheet Feeder Tray 3		A3E47-67901

## Related documentation and software


**Table 2-4 Related documentation and software**

Item	Description	Part number
<i>HP LaserJet Pro M435nw Printer User Guide</i>	Product user guide	A3E42-90945
<i>HP LaserJet Pro M435nw Printer Repair Manual</i>	English service repair manual	A3E42-90978
<i>HP LaserJet Pro M435nw Printer Troubleshooting Manual</i>	English service troubleshooting manual	A3E42-90980

# How to use the parts lists and diagrams

The figures in this chapter show the major subassemblies in the product and their component parts. A parts list table follows each exploded-view assembly diagram. Each table lists the item number, the associated part number, and the description of each part. If a part is not listed in the table, then it is not a field replacement unit (FRU).

**CAUTION:** Be sure to order the correct part. When looking for part numbers for electrical components, pay careful attention to the voltage that is listed in the description column to ensure that the part number selected is for the correct product model.

 **NOTE:** In this manual, the abbreviation “PCA” stands for “printed circuit board assembly.” Components described as a PCA might consist of a single circuit board or a circuit board plus other parts, such as cables and sensors.



# Fasteners used in this product


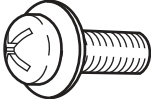
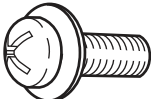
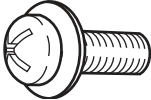
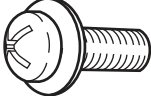
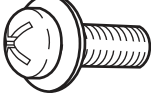
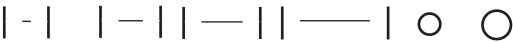
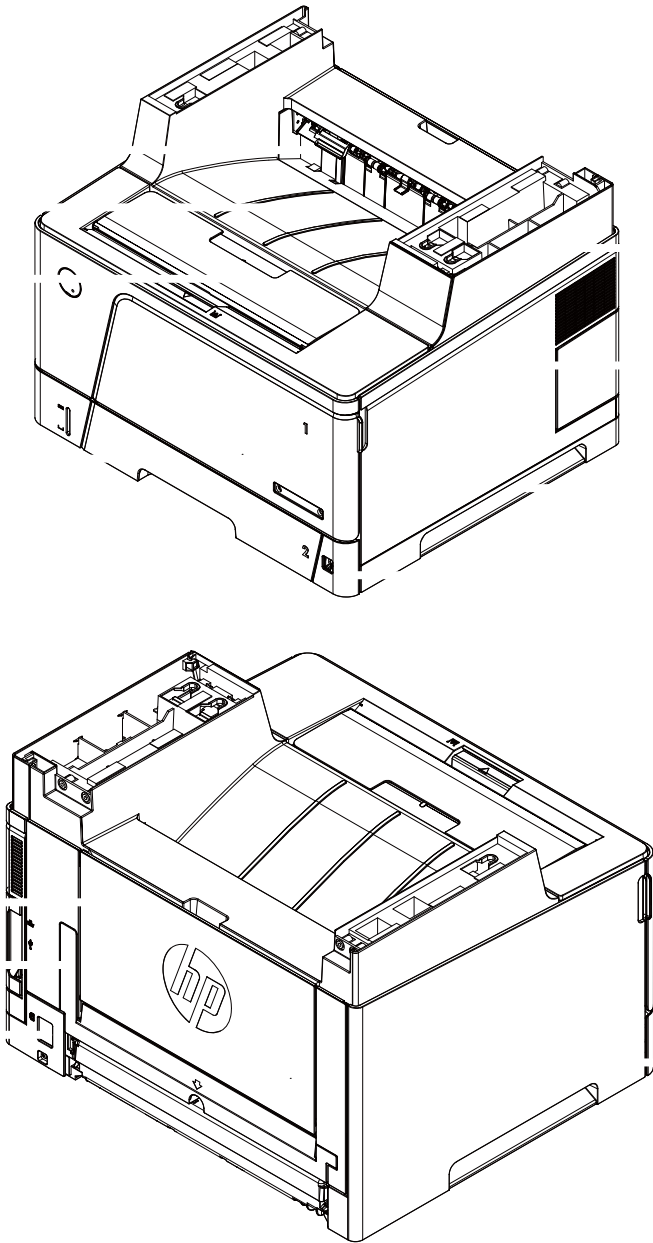
 **NOTE:** The screw illustrations in the following table are for reference only. Screws might vary in size and appearance from those shown in this table.

Illustration	Description	Size	Part number	Use
	Screw, Phillips	M3x6	0515-2908	Used to secure metal components to metal components (for example, a ground wire to the frame)
	Sscrew, Phillips, tapping	M3X10	0515-4671	Used to secure cover cable
	Screw, Phillips, tapping	M3X10	0515-5427	Used to secure hinge cover
	Screw, tapping, truss head	M4X14	0515-4743	Used to secure anything to plastic
	Screw, Phillips, tapping	M3X10	0515-4680	Used to secure Holder-CP ferrite
	Screw, Torx, tapping	M3X4.5	0515-547	Scanner lid



# Assembly locations

Figure 2-1 External assembly locations

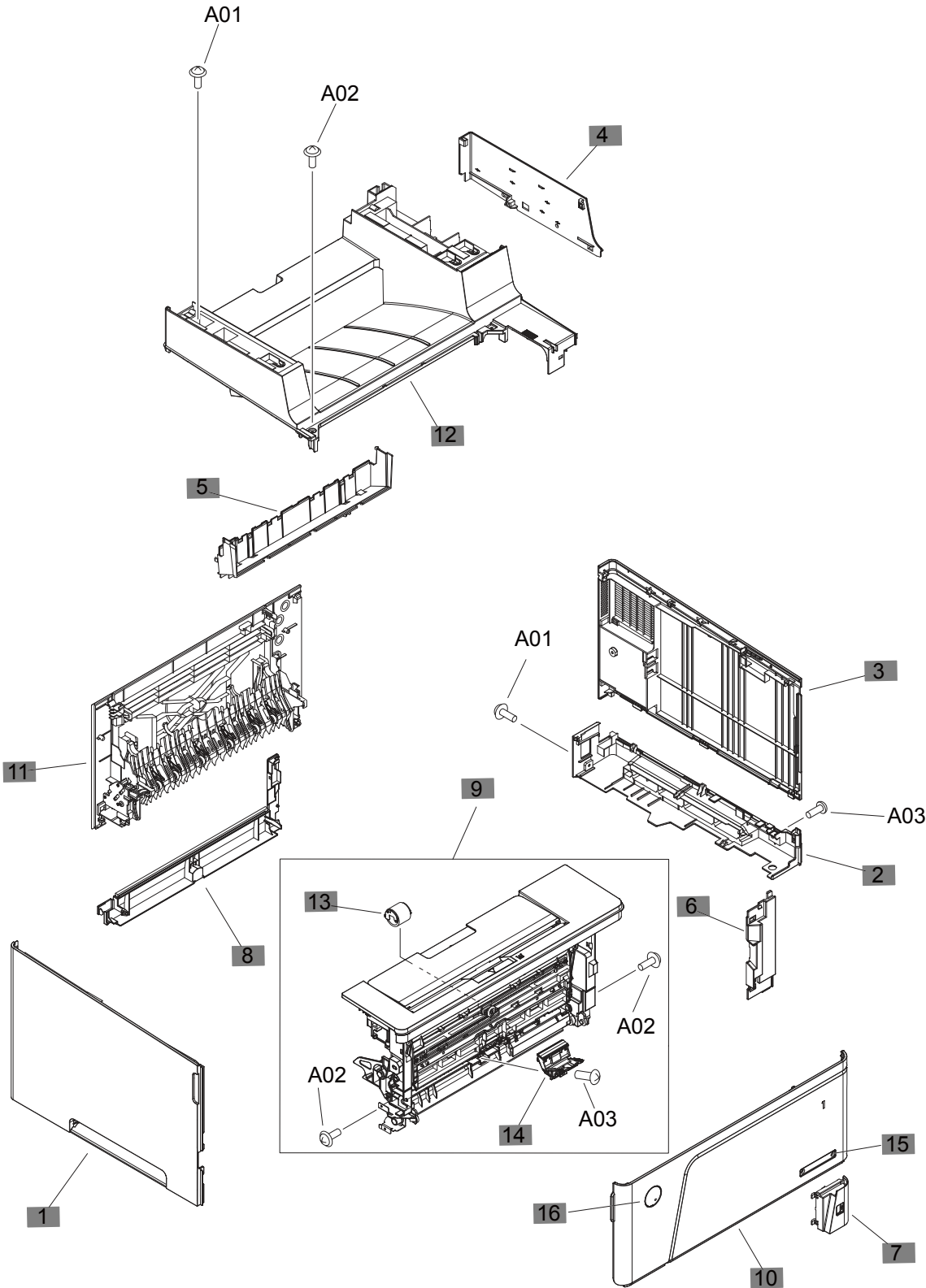


Item	Description	Item	Description
1	Upper right cover	7	Lower rear cover
2	Right cover assembly	8	Rear cover assembly
3	Right handle cover	9	Multi-purpose tray cover
4	Right front cover	10	Cartridge door
5	Left cover	11	Top cover assembly
6	Power receptacle	12	Face-down cover



# Covers

Figure 2-2 External panels and covers

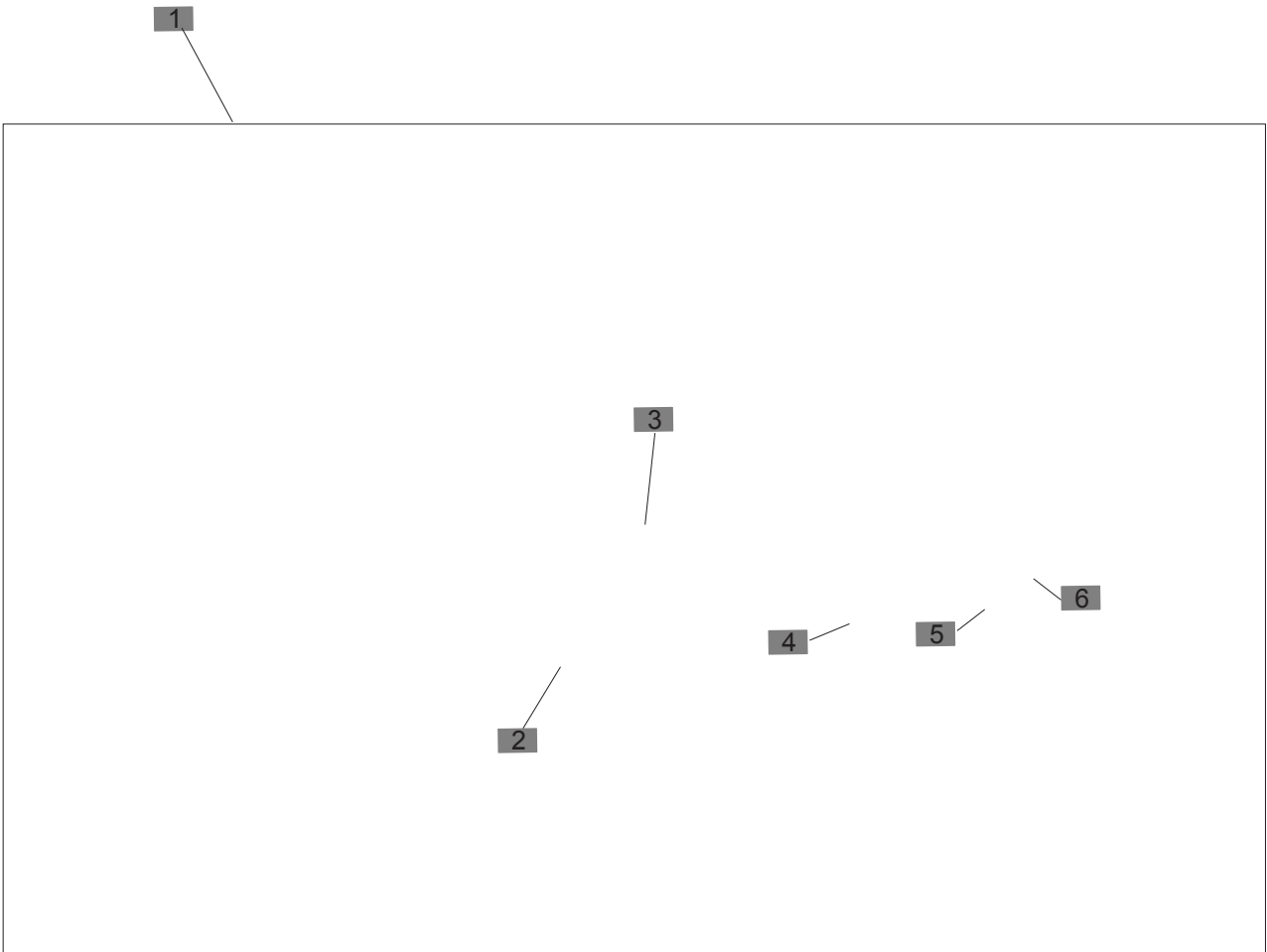


**Table 2-5 External panels and covers**

Ref	Description	Part number	Qty
1	Cover, left	RC3-5757-000	1
2	Cover, right handle	RC3-5758-000	1
3	Assembly, right cover	RM2-5843-000	1
4	Cover, right upper	RC3-5760-000	1
5	Cover, face down	RL2-0546-000	1
6	Cover, right front	RC3-5762-000	1
7	Cover, front USB	RC3-5763-000	1
8	Cover, rear lower	RL2-0550-000	1
9	Assembly, cartridge door	RM2-0624-000	1
10	Cover, multipurpose tray	RM2-0625-000	1
11	Cover, rear	RM2-0636-000	1
12	Cover, top	RM2-0642-000	1
13	Roller, multi-purpose tray, pickup	RL2-0544-000	1
14	Pad, multi-purpose tray, separation	RM1-2462-000	1
15	Name plate	A3E42-40010	1
16	HP logo, low profile round	7121-8541	1

# SSA and control panel

Figure 2-3 SSA and control panel (1 of 4)



**Table 2-6 SSA and control panel (1 of 4)**

Ref	Description	Part number	Qty
1	Assembly, scanner with control panel, whole-unit	A3E42-60101	1
2	Assembly, 3.0"MF control panel	A3E42-60106	1
3	Cover, hinge	A3E42-40009	1
4	Ferrite, control panel	9170-2329	1
5	Ferrite, scanner	9170-2597	1
6	Ferrite, motor	5851-5178	1

**Figure 2-4** SSA and control panel (2 of 4)

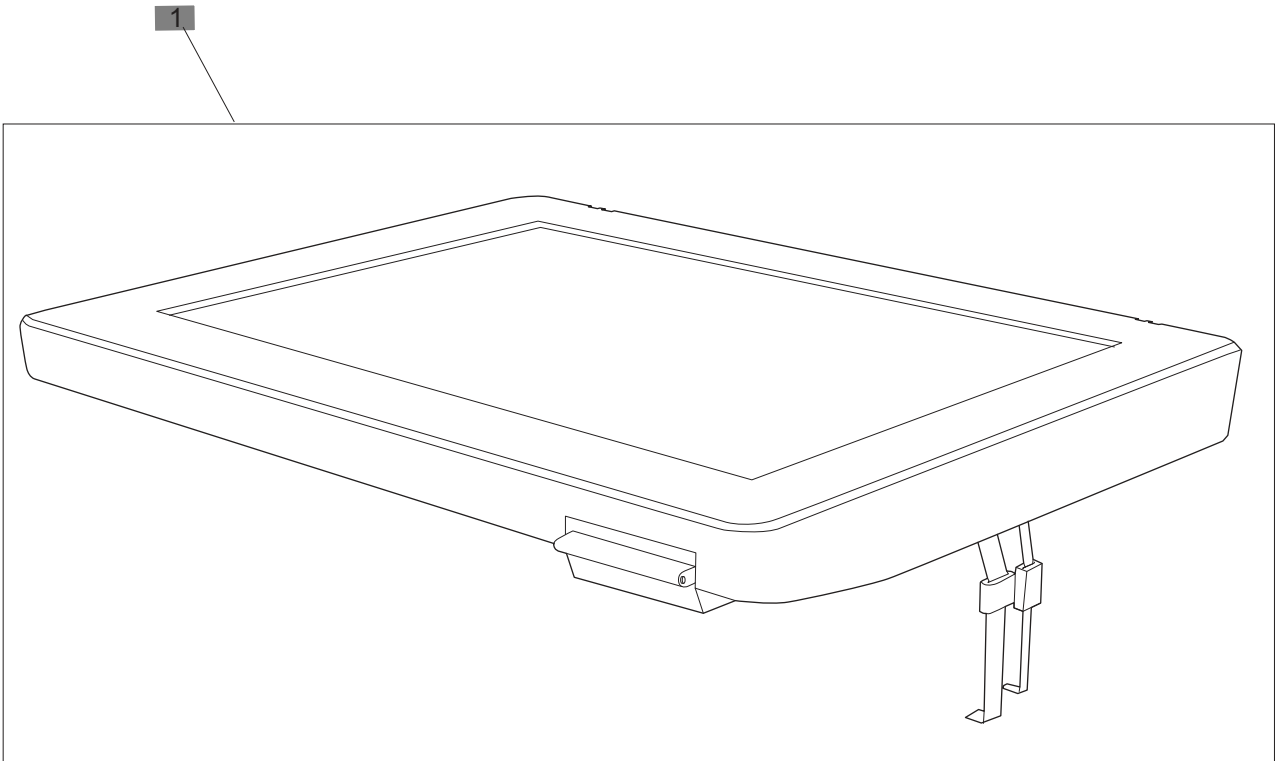




**Table 2-7 SSA and control panel (2 of 4)**

Ref	Description	Part number	Qty
1	Assembly, scanner lid	A3E42-60105	1

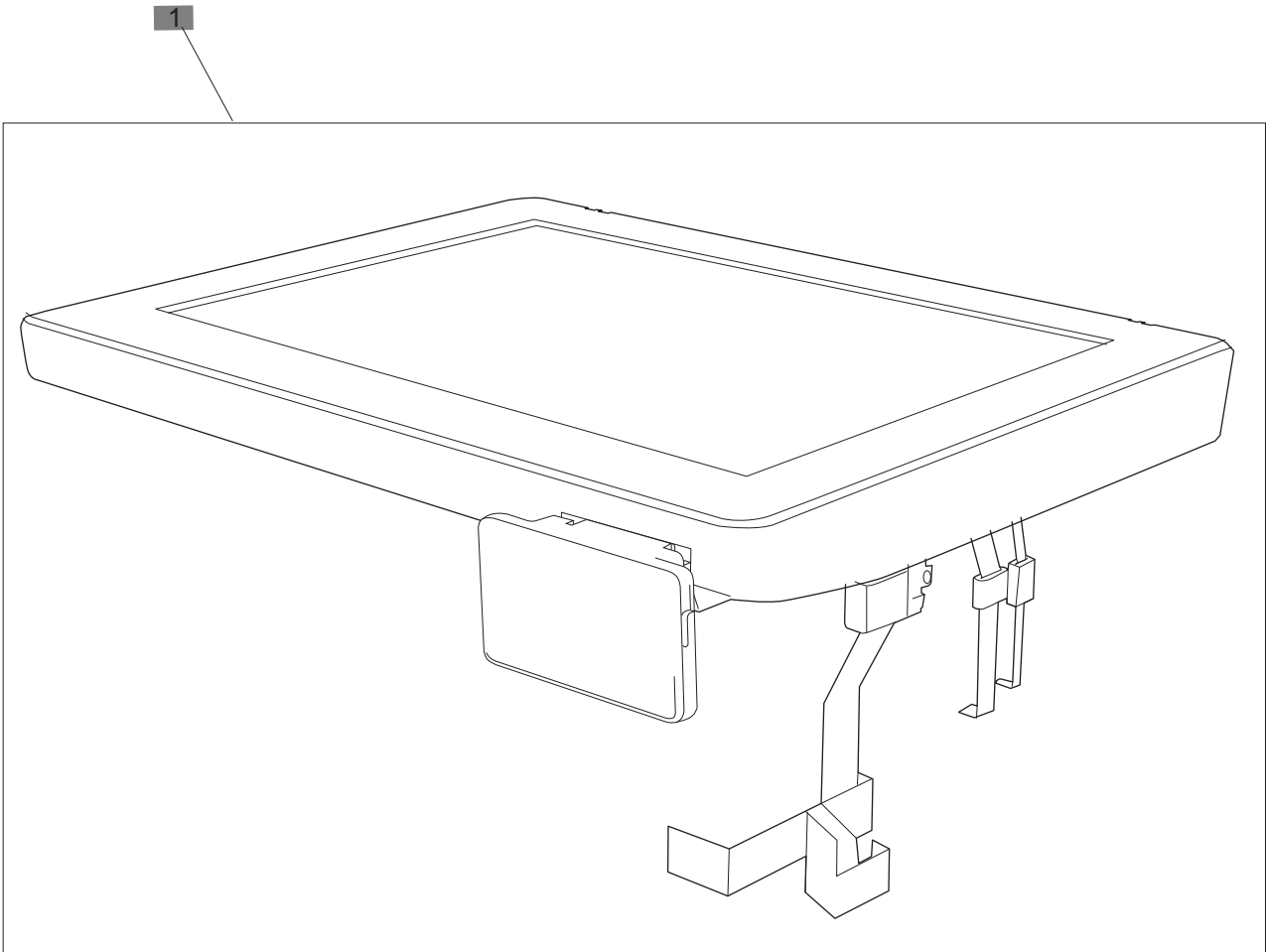
Figure 2-5 SSA and control panel (3 of 4)



**Table 2-8 Scanner assembly without lid and control panel (3 of 4)**

Ref	Description	Part number	Qty
1	Assembly, scanner without lid and control panel	A3E42-60116	1

**Figure 2-6** SSA and control panel (4 of 4)

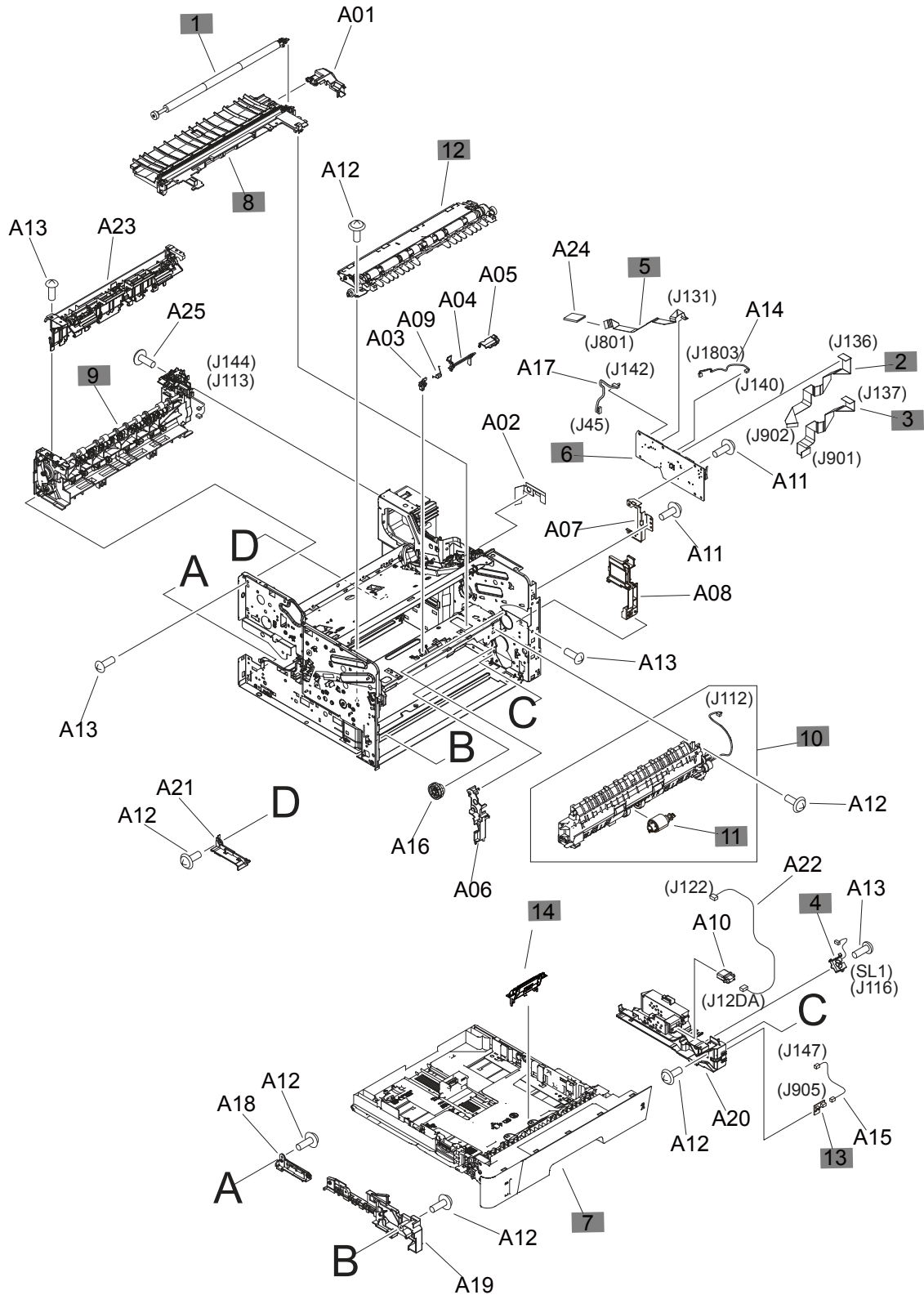


**Table 2-9 Scanner assembly with control panel and without lid**

Ref	Description	Part number	Qty
1	Assembly, scanner with control panel and without lid	A3E42-60120	1

# Internal components

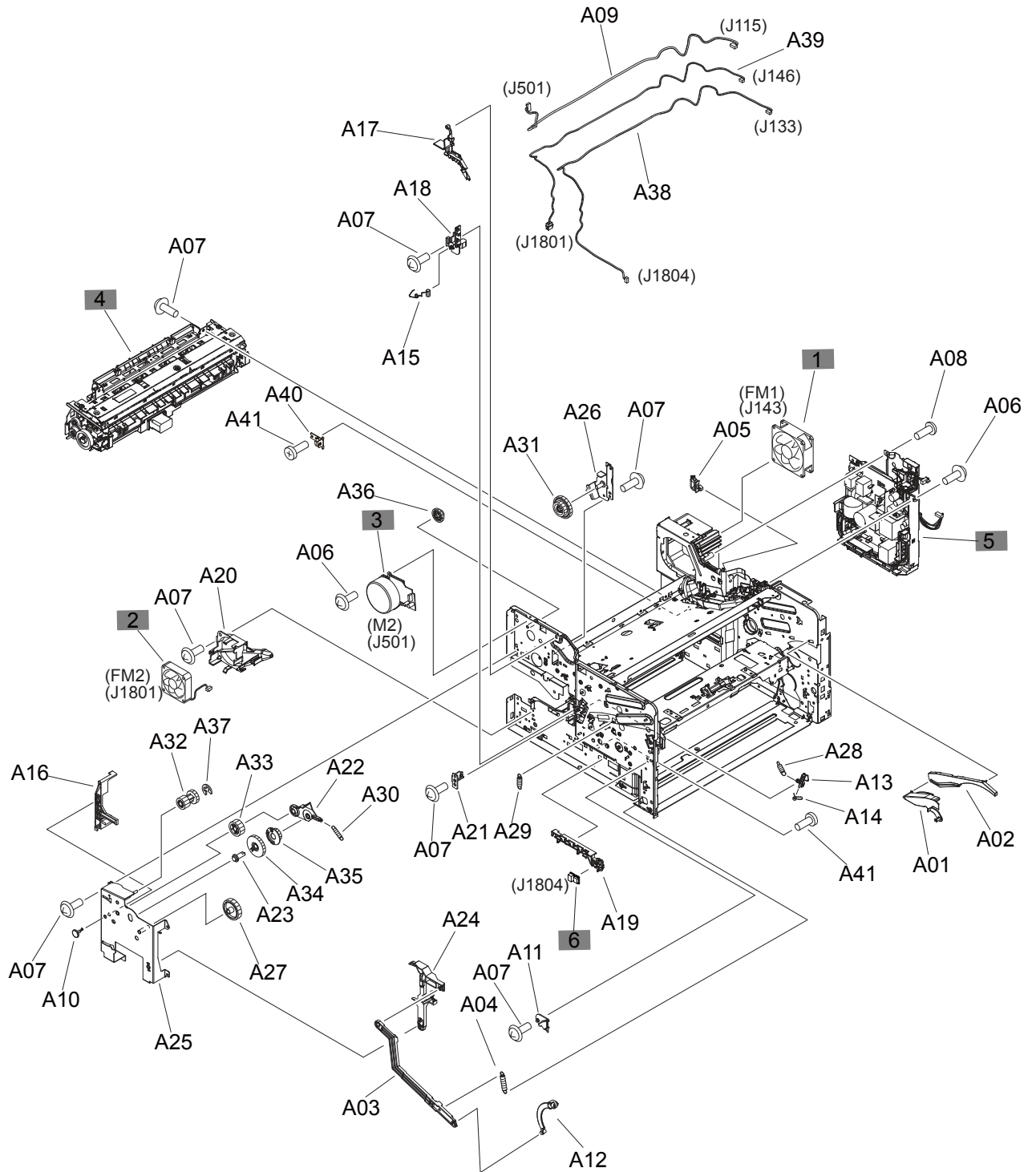
**Figure 2-7** Internal components (1 of 3)



**Table 2-10 Internal components (1 of 3)**

Ref	Description	Part number	Qty
1	Roller, transfer	RM2-5841-000	1
2	FFC, 21P	RK2-1054-000	1
3	FFC, 23P	RK2-1056-000	1
4	Solenoid, tray 2	RK2-1096-000	1
5	FFC, 15P	RK2-4915-000	1
6	PCA, DC controller	RM2-0231-000	2
7	Cassette, tray 2	RM2-0629-000	2
8	Assembly, paper feed	RM2-0630-000	1
9	Assembly, face-down paper delivery	RM2-0633-000	1
10	Assembly, paper pickup	RM2-0643-000	1
11	Roller, tray 2 pickup	RL1-4049-000	1
12	Assembly, registration	RM2-0645-000	1
13	Assembly, cassette detect switch	RM2-0236-000	1
14	Pad, tray 2 separation	RM1-2546-000	1

**Figure 2-8** Internal components (2 of 3)

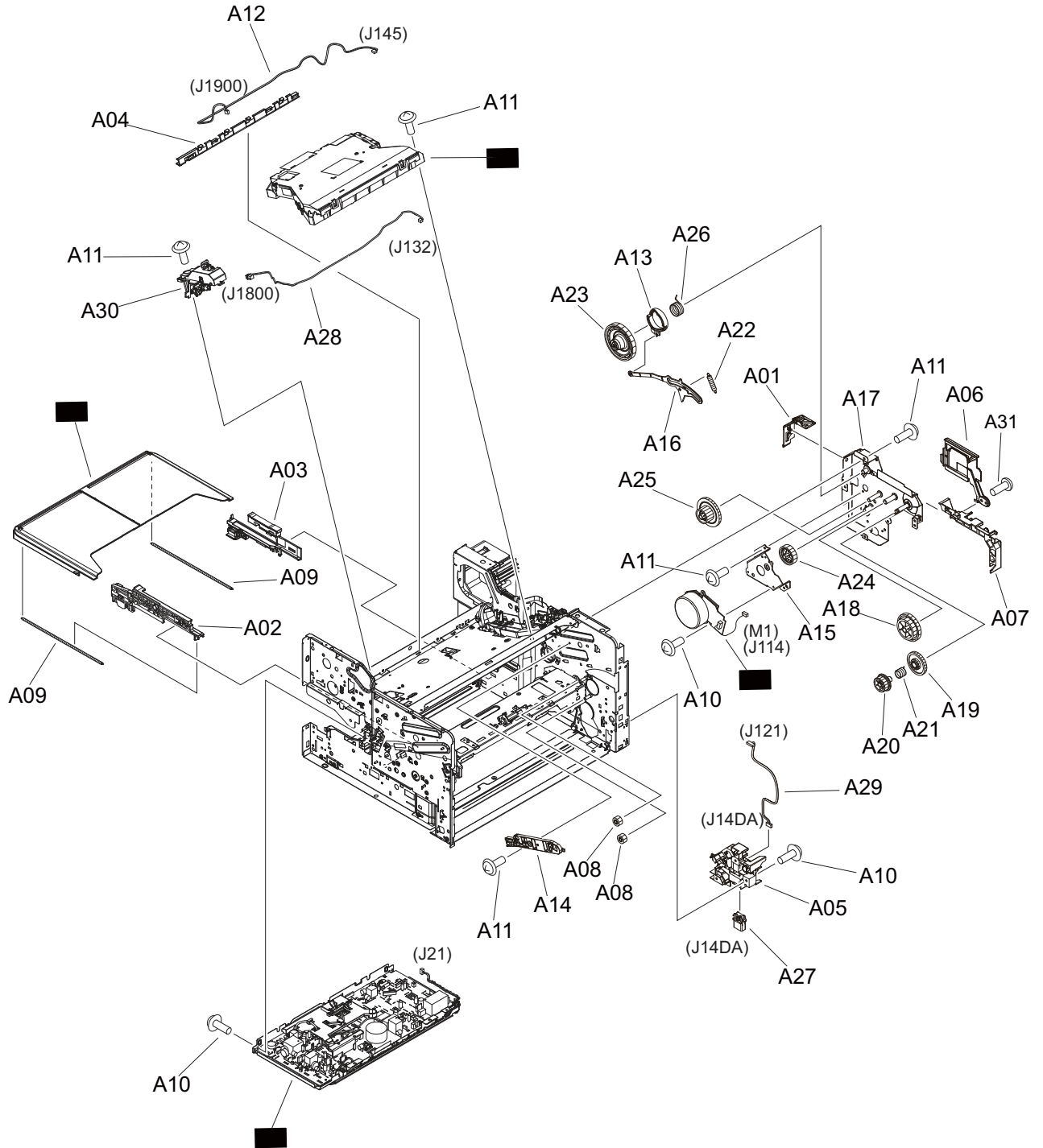




**Table 2-11 Internal components (2 of 3)**

Ref	Description	Part number	Qty
1	Fan, right	RK2-1090-000	1
2	Fan, left	RK2-2728-000	1
3	Motor, fuser	RM2-0622-000	1
4	Assembly, fuser (220v)	RM2-0639-000	1
5	Power supply, low-voltage	RM2-0647-000	1
6	Sensor, humidity	WP2-5368-000	1

**Figure 2-9** Internal components (3 of 3)

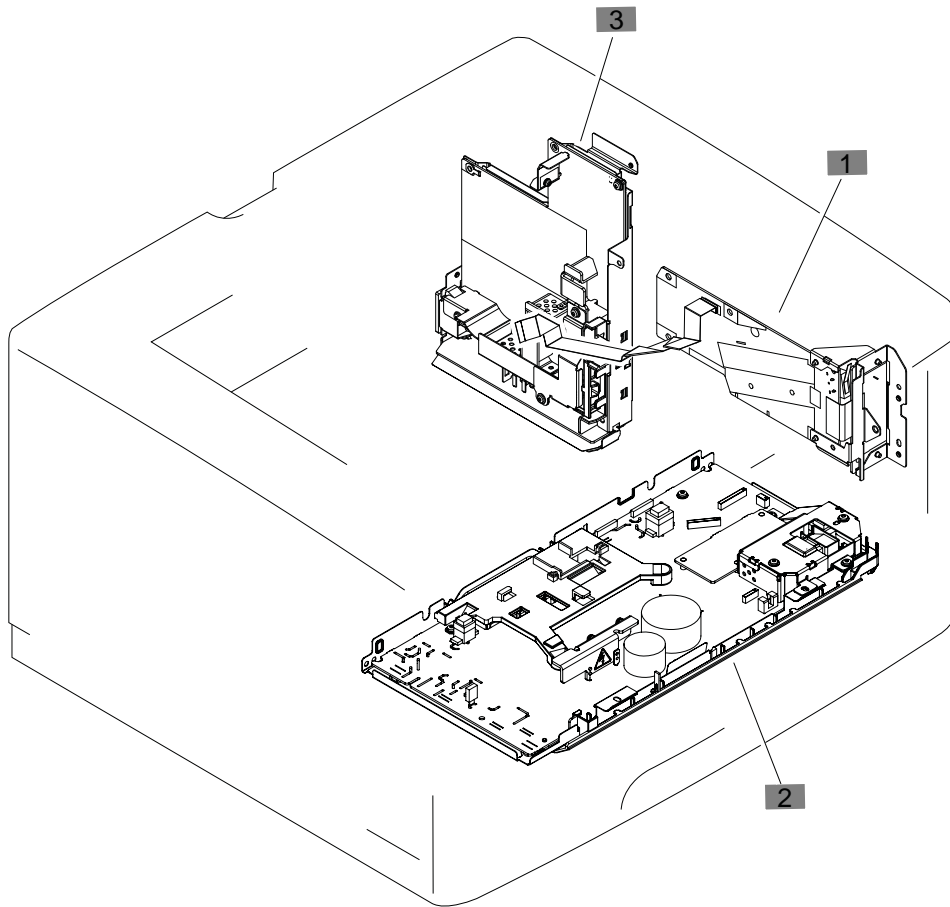


**Table 2-12 Internal components (3 of 3)**

Ref	Description	Part number	Qty
1	Cover, dust	RC3-5754-000	1
2	Motor, main	RM2-0623-000	1
3	Power supply, high-voltage	RM2-0631-000	1
4	Assembly, laser scanner unit	RM2-0648-000	1

## PCAs

**Figure 2-10** PCA assembly

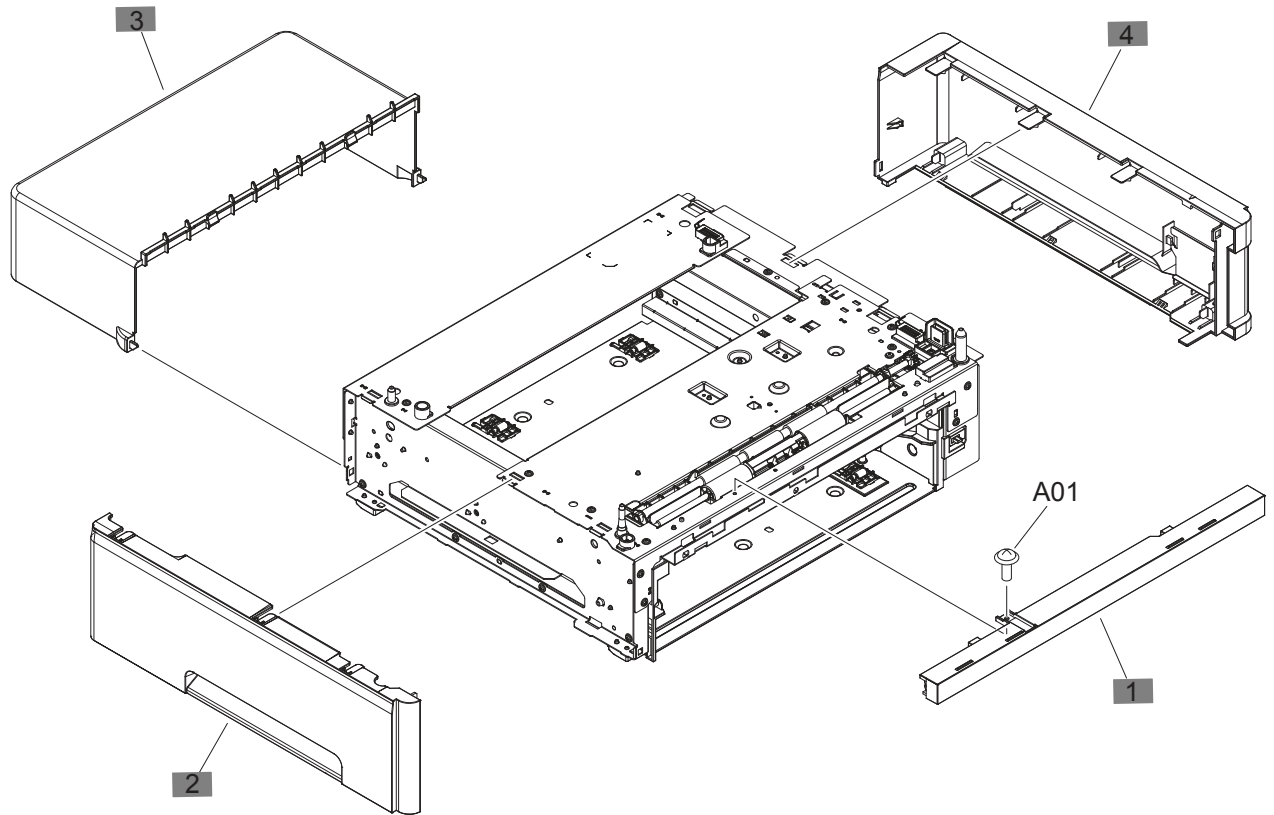


**Table 2-13 PCA assembly**

Ref	Description	Part number	Qty
1	DC controller PCA assembly	RM2-0231-000	1
2	High-voltage PCA assembly	RM2-0631-000	1
3	Low-voltage PCA assembly	RM2-0647-000	1
Not shown	PCA, formatter	CZ237-60001	1
Not shown	Stay, formatter	A3E42-00005	1
Not shown	FFC, formatter engine	A3E42-40013	1
Not shown	PCA, walk-up USB	CF368-60001	1
Not shown	Cable, front USB	A3E42-90978	1
Not shown	Bracket, USB	A2E42-00003	1
Not shown	PCA, WiFi	1150-7957	1
Not shown	Holder, WiFi	CF144-40011	1

## 500-sheet feeder, cassette, external panels and covers

**Figure 2-11** 500-sheet feeder cassette external panels and covers

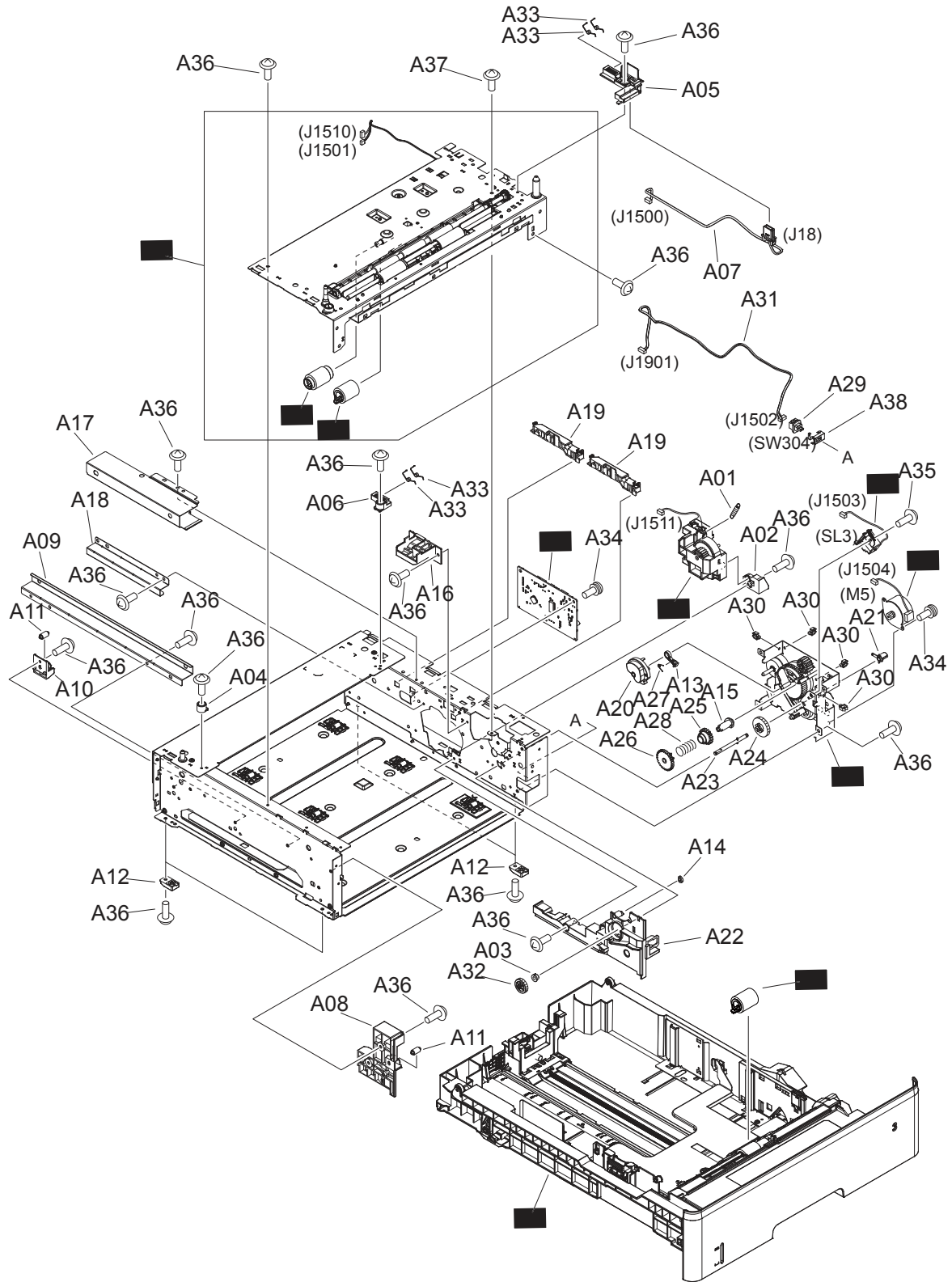


**Table 2-14 500-sheet feeder cassette external panels and covers**

Ref	Description	Part number	Qty
1	Cover, front, 500-sheet cassette	RC3-6131-000	1
2	Cover, left, 500-sheet cassette	RC3-6132-000	1
3	Cover, cassette	RC3-6134-000	1
4	Cover, right, 500-sheet cassette	RM2-0656-000	1

## 500-sheet feeder internal components

**Figure 2-12** 500-sheet feeder internal components



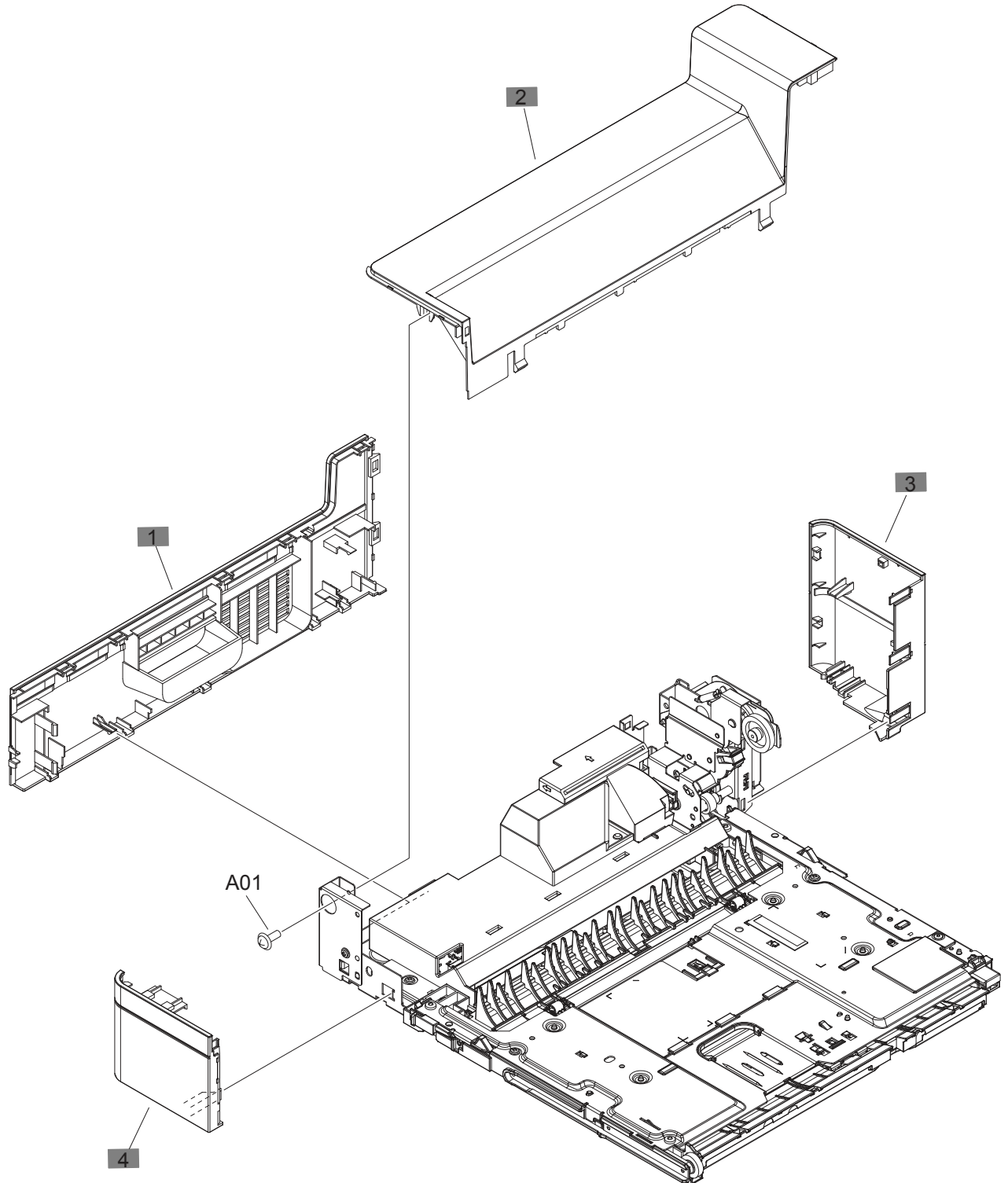


**Table 2-15 500-sheet feeder internal components**

Ref	Description	Part number	Qty
1	Motor, DC stepping	RK2-1062-000	1
2	Assembly, paper pickup	RM1-2896-000	1
3	Roller, paper pickup	RM1-0036-020	1
4	Roller, paper feed	RM1-0037-020	2
5	Assembly, lifter drive	RM1-2912-030	1
6	PCA, paper feed	RM2-0241-000	1
7	Solenoid, tray 3	RK2-0270-000	1
8	Assembly, drive	RM1-2909-000	1
9	Cassette, tray 3	RM2-0657-000	1

## Duplexer external covers

Figure 2-13 Duplexer external covers

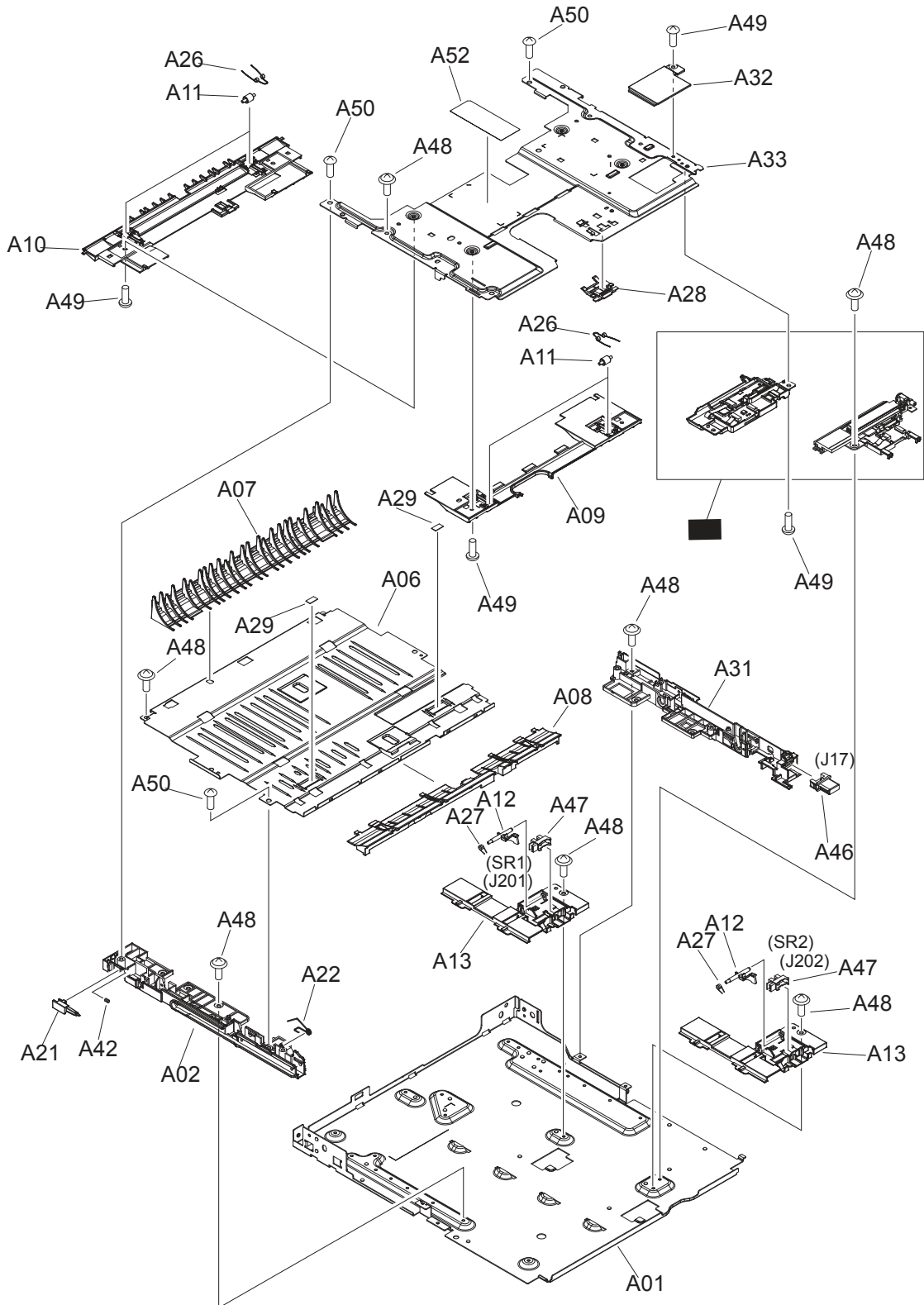


**Table 2-16 Duplexer external covers**

Ref	Description	Part number	Qty
1	Cover, rear	RC3-6137-000	1
2	Cover, upper	RC3-6138-000	1
3	Cover, right	RC3-6139-000	1
4	Cover, left	RC3-6140-000	1

## Duplexing main body

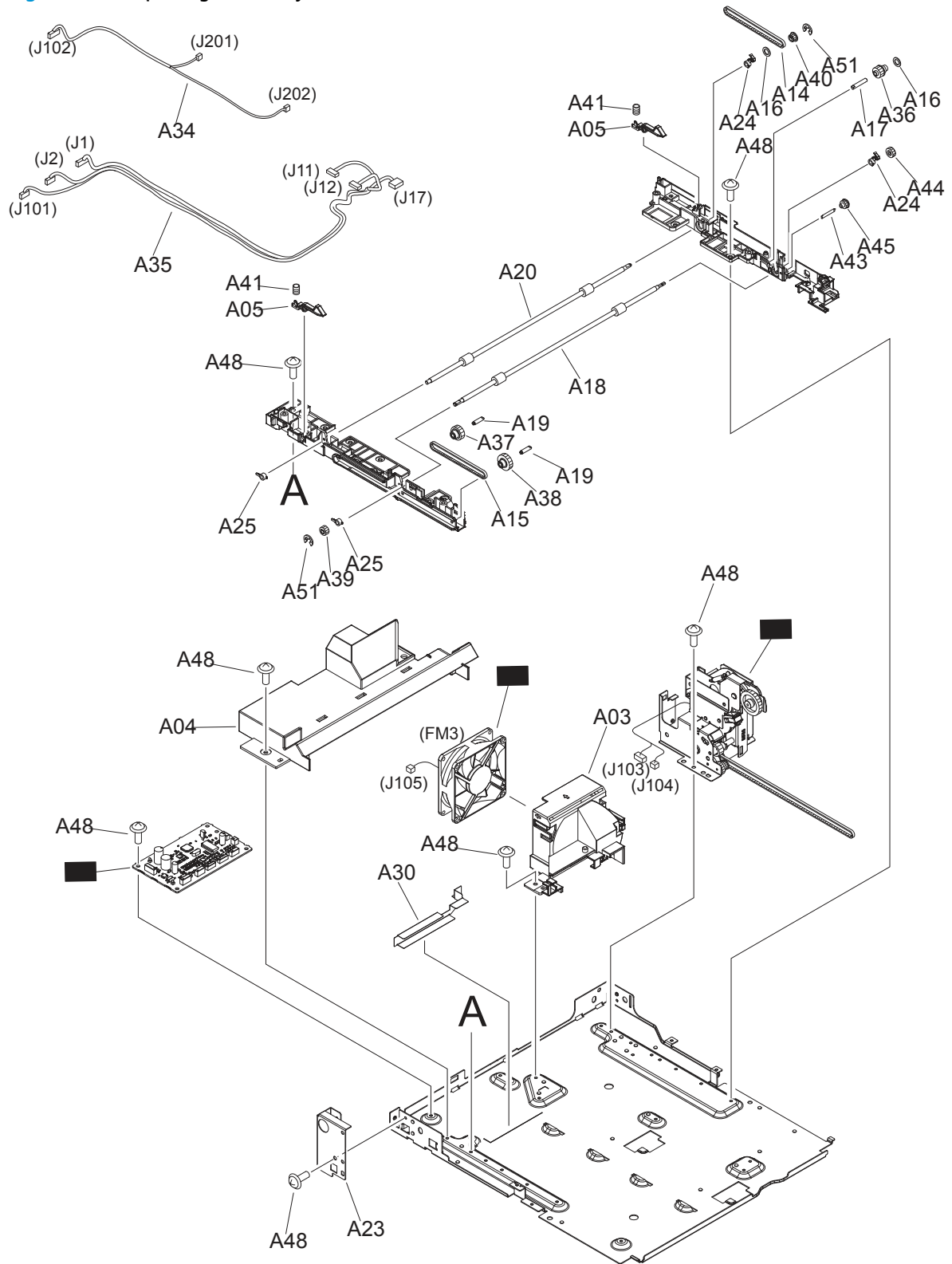
**Figure 2-14** Duplexing main body (1 of 2)



**Table 2-17 Duplexing main body (2 of 2)**

Ref	Description	Part number	Qty
2	Kit, registration sensor	RM1-9838-010	1

**Figure 2-15** Duplexing main body (2 of 2)



**Table 2-18 Duplexing main body (3 of 3)**

Ref	Description	Part number	Qty
1	Fan, duplexer	RK2-1067-000	1
3	PCA, duplexer	RM2-0255-000	1
4	Drive assembly, duplexer	RM2-0663-000	1

# Alphabetical parts list

**Table 2-19 Alphabetical parts list**

Description	Part number	Table and page
Assembly, 3.0"MF control panel	A3E42-60106	<a href="#">SSA and control panel (1 of 4) on page 125</a>
Assembly, cartridge door	RM2-0624-000	<a href="#">External panels and covers on page 123</a>
Assembly, cassette detect switch	RM2-0236-000	<a href="#">Internal components (1 of 3) on page 133</a>
Assembly, drive	RM1-2909-000	<a href="#">500-sheet feeder internal components on page 143</a>
Assembly, face-down paper delivery	RM2-0633-000	<a href="#">Internal components (1 of 3) on page 133</a>
Assembly, fuser (220v)	RM2-0639-000	<a href="#">Internal components (2 of 3) on page 135</a>
Assembly, laser scanner unit	RM2-0648-000	<a href="#">Internal components (3 of 3) on page 137</a>
Assembly, lifter drive	RM1-2912-030	<a href="#">500-sheet feeder internal components on page 143</a>
Assembly, paper feed	RM2-0630-000	<a href="#">Internal components (1 of 3) on page 133</a>
Assembly, paper pickup	RM2-0643-000	<a href="#">Internal components (1 of 3) on page 133</a>
Assembly, paper pickup	RM1-2896-000	<a href="#">500-sheet feeder internal components on page 143</a>
Assembly, registration	RM2-0645-000	<a href="#">Internal components (1 of 3) on page 133</a>
Assembly, right cover	RM2-5843-000	<a href="#">External panels and covers on page 123</a>
Assembly, scanner lid	A3E42-60105	<a href="#">SSA and control panel (2 of 4) on page 127</a>
Assembly, scanner with control panel and without lid	A3E42-60120	<a href="#">Scanner assembly with control panel and without lid on page 131</a>
Assembly, scanner with control panel, whole-unit	A3E42-60101	<a href="#">SSA and control panel (1 of 4) on page 125</a>
Assembly, scanner without lid and control panel	A3E42-60116	<a href="#">Scanner assembly without lid and control panel (3 of 4) on page 129</a>
Bracket, USB	A2E42-00003	<a href="#">PCA assembly on page 139</a>
Cable, front USB	A3E42-90978	<a href="#">PCA assembly on page 139</a>
Cassette, tray 2	RM2-0629-000	<a href="#">Internal components (1 of 3) on page 133</a>



**Table 2-19 Alphabetical parts list (continued)**

Description	Part number	Table and page
Cassette, tray 3	RM2-0657-000	<a href="#">500-sheet feeder internal components on page 143</a>
Cover, cassette	RC3-6134-000	<a href="#">500-sheet feeder cassette external panels and covers on page 141</a>
Cover, dust	RC3-5754-000	<a href="#">Internal components (3 of 3) on page 137</a>
Cover, face down	RL2-0546-000	<a href="#">External panels and covers on page 123</a>
Cover, front USB	RC3-5763-000	<a href="#">External panels and covers on page 123</a>
Cover, front, 500-sheet cassette	RC3-6131-000	<a href="#">500-sheet feeder cassette external panels and covers on page 141</a>
Cover, hinge	A3E42-40009	<a href="#">SSA and control panel (1 of 4) on page 125</a>
Cover, left	RC3-5757-000	<a href="#">External panels and covers on page 123</a>
Cover, left	RC3-6140-000	<a href="#">Duplexer external covers on page 145</a>
Cover, left, 500-sheet cassette	RC3-6132-000	<a href="#">500-sheet feeder cassette external panels and covers on page 141</a>
Cover, multipurpose tray	RM2-0625-000	<a href="#">External panels and covers on page 123</a>
Cover, rear	RM2-0636-000	<a href="#">External panels and covers on page 123</a>
Cover, rear	RC3-6137-000	<a href="#">Duplexer external covers on page 145</a>
Cover, rear lower	RL2-0550-000	<a href="#">External panels and covers on page 123</a>
Cover, right	RC3-6139-000	<a href="#">Duplexer external covers on page 145</a>
Cover, right front	RC3-5762-000	<a href="#">External panels and covers on page 123</a>
Cover, right handle	RC3-5758-000	<a href="#">External panels and covers on page 123</a>
Cover, right upper	RC3-5760-000	<a href="#">External panels and covers on page 123</a>
Cover, right, 500-sheet cassette	RM2-0656-000	<a href="#">500-sheet feeder cassette external panels and covers on page 141</a>
Cover, top	RM2-0642-000	<a href="#">External panels and covers on page 123</a>

**Table 2-19 Alphabetical parts list (continued)**

Description	Part number	Table and page
Cover, upper	RC3-6138-000	<a href="#">Duplexer external covers on page 145</a>
DC controller PCA assembly	RM2-0231-000	<a href="#">PCA assembly on page 139</a>
Drive assembly, duplexer	RM2-0663-000	<a href="#">Duplexing main body (3 of 3) on page 149</a>
Fan, duplexer	RK2-1067-000	<a href="#">Duplexing main body (3 of 3) on page 149</a>
Fan, left	RK2-2728-000	<a href="#">Internal components (2 of 3) on page 135</a>
Fan, right	RK2-1090-000	<a href="#">Internal components (2 of 3) on page 135</a>
Ferrite, control panel	9170-2329	<a href="#">SSA and control panel (1 of 4) on page 125</a>
Ferrite, motor	5851-5178	<a href="#">SSA and control panel (1 of 4) on page 125</a>
Ferrite, scanner	9170-2597	<a href="#">SSA and control panel (1 of 4) on page 125</a>
FFC, 15P	RK2-4915-000	<a href="#">Internal components (1 of 3) on page 133</a>
FFC, 21P	RK2-1054-000	<a href="#">Internal components (1 of 3) on page 133</a>
FFC, 23P	RK2-1056-000	<a href="#">Internal components (1 of 3) on page 133</a>
FFC, formatter engine	A3E42-40013	<a href="#">PCA assembly on page 139</a>
High-voltage PCA assembly	RM2-0631-000	<a href="#">PCA assembly on page 139</a>
Holder, WiFi	CF144-40011	<a href="#">PCA assembly on page 139</a>
HP logo, low profile round	7121-8541	<a href="#">External panels and covers on page 123</a>
Kit, registration sensor	RM1-9838-010	<a href="#">Duplexing main body (2 of 2) on page 147</a>
Low-voltage PCA assembly	RM2-0647-000	<a href="#">PCA assembly on page 139</a>
Motor, DC stepping	RK2-1062-000	<a href="#">500-sheet feeder internal components on page 143</a>
Motor, fuser	RM2-0622-000	<a href="#">Internal components (2 of 3) on page 135</a>
Motor, main	RM2-0623-000	<a href="#">Internal components (3 of 3) on page 137</a>
Name plate	A3E42-40010	<a href="#">External panels and covers on page 123</a>
Pad, multi-purpose tray, separation	RM1-2462-000	<a href="#">External panels and covers on page 123</a>

**Table 2-19 Alphabetical parts list (continued)**

<b>Description</b>	<b>Part number</b>	<b>Table and page</b>
Pad, tray 2 separation	RM1-2546-000	<a href="#">Internal components (1 of 3) on page 133</a>
PCA, DC controller	RM2-0231-000	<a href="#">Internal components (1 of 3) on page 133</a>
PCA, duplexer	RM2-0255-000	<a href="#">Duplexing main body (3 of 3) on page 149</a>
PCA, formatter	CZ237-60001	<a href="#">PCA assembly on page 139</a>
PCA, paper feed	RM2-0241-000	<a href="#">500-sheet feeder internal components on page 143</a>
PCA, walk-up USB	CF368-60001	<a href="#">PCA assembly on page 139</a>
PCA, WiFi	1150-7957	<a href="#">PCA assembly on page 139</a>
Power supply, high-voltage	RM2-0631-000	<a href="#">Internal components (3 of 3) on page 137</a>
Power supply, low-voltage	RM2-0647-000	<a href="#">Internal components (2 of 3) on page 135</a>
Roller, multi-purpose tray, pickup	RL2-0544-000	<a href="#">External panels and covers on page 123</a>
Roller, paper feed	RM1-0037-020	<a href="#">500-sheet feeder internal components on page 143</a>
Roller, paper pickup	RM1-0036-020	<a href="#">500-sheet feeder internal components on page 143</a>
Roller, transfer	RM2-5841-000	<a href="#">Internal components (1 of 3) on page 133</a>
Roller, tray 2 pickup	RL1-4049-000	<a href="#">Internal components (1 of 3) on page 133</a>
Sensor, humidity	WP2-5368-000	<a href="#">Internal components (2 of 3) on page 135</a>
Solenoid, tray 2	RK2-1096-000	<a href="#">Internal components (1 of 3) on page 133</a>
Solenoid, tray 3	RK2-0270-000	<a href="#">500-sheet feeder internal components on page 143</a>
Stay, formatter	A3E42-00005	<a href="#">PCA assembly on page 139</a>

# Numerical parts list

**Table 2-20 Numerical parts list**

Part number	Description	Table and page
1150-7957	PCA, WiFi	<a href="#">PCA assembly on page 139</a>
5851-5178	Ferrite, motor	<a href="#">SSA and control panel (1 of 4) on page 125</a>
7121-8541	HP logo, low profile round	<a href="#">External panels and covers on page 123</a>
9170-2329	Ferrite, control panel	<a href="#">SSA and control panel (1 of 4) on page 125</a>
9170-2597	Ferrite, scanner	<a href="#">SSA and control panel (1 of 4) on page 125</a>
A2E42-00003	Bracket, USB	<a href="#">PCA assembly on page 139</a>
A3E42-00005	Stay, formatter	<a href="#">PCA assembly on page 139</a>
A3E42-40009	Cover, hinge	<a href="#">SSA and control panel (1 of 4) on page 125</a>
A3E42-40010	Name plate	<a href="#">External panels and covers on page 123</a>
A3E42-40013	FFC, formatter engine	<a href="#">PCA assembly on page 139</a>
A3E42-60101	Assembly, scanner with control panel, whole-unit	<a href="#">SSA and control panel (1 of 4) on page 125</a>
A3E42-60105	Assembly, scanner lid	<a href="#">SSA and control panel (2 of 4) on page 127</a>
A3E42-60106	Assembly, 3.0"MF control panel	<a href="#">SSA and control panel (1 of 4) on page 125</a>
A3E42-60116	Assembly, scanner without lid and control panel	<a href="#">Scanner assembly without lid and control panel (3 of 4) on page 129</a>
A3E42-60120	Assembly, scanner with control panel and without lid	<a href="#">Scanner assembly with control panel and without lid on page 131</a>
A3E42-90978	Cable, front USB	<a href="#">PCA assembly on page 139</a>
CF144-40011	Holder, WiFi	<a href="#">PCA assembly on page 139</a>
CF368-60001	PCA, walk-up USB	<a href="#">PCA assembly on page 139</a>
CZ237-60001	PCA, formatter	<a href="#">PCA assembly on page 139</a>
RC3-5754-000	Cover, dust	<a href="#">Internal components (3 of 3) on page 137</a>
RC3-5757-000	Cover, left	<a href="#">External panels and covers on page 123</a>
RC3-5758-000	Cover, right handle	<a href="#">External panels and covers on page 123</a>
RC3-5760-000	Cover, right upper	<a href="#">External panels and covers on page 123</a>

**Table 2-20 Numerical parts list (continued)**

Part number	Description	Table and page
RC3-5762-000	Cover, right front	<a href="#">External panels and covers on page 123</a>
RC3-5763-000	Cover, front USB	<a href="#">External panels and covers on page 123</a>
RC3-6131-000	Cover, front, 500-sheet cassette	<a href="#">500-sheet feeder cassette external panels and covers on page 141</a>
RC3-6132-000	Cover, left, 500-sheet cassette	<a href="#">500-sheet feeder cassette external panels and covers on page 141</a>
RC3-6134-000	Cover, cassette	<a href="#">500-sheet feeder cassette external panels and covers on page 141</a>
RC3-6137-000	Cover, rear	<a href="#">Duplexer external covers on page 145</a>
RC3-6138-000	Cover, upper	<a href="#">Duplexer external covers on page 145</a>
RC3-6139-000	Cover, right	<a href="#">Duplexer external covers on page 145</a>
RC3-6140-000	Cover, left	<a href="#">Duplexer external covers on page 145</a>
RK2-0270-000	Solenoid, tray 3	<a href="#">500-sheet feeder internal components on page 143</a>
RK2-1054-000	FFC, 21P	<a href="#">Internal components (1 of 3) on page 133</a>
RK2-1056-000	FFC, 23P	<a href="#">Internal components (1 of 3) on page 133</a>
RK2-1062-000	Motor, DC stepping	<a href="#">500-sheet feeder internal components on page 143</a>
RK2-1067-000	Fan, duplexer	<a href="#">Duplexing main body (3 of 3) on page 149</a>
RK2-1090-000	Fan, right	<a href="#">Internal components (2 of 3) on page 135</a>
RK2-1096-000	Solenoid, tray 2	<a href="#">Internal components (1 of 3) on page 133</a>
RK2-2728-000	Fan, left	<a href="#">Internal components (2 of 3) on page 135</a>
RK2-4915-000	FFC, 15P	<a href="#">Internal components (1 of 3) on page 133</a>
RL1-4049-000	Roller, tray 2 pickup	<a href="#">Internal components (1 of 3) on page 133</a>
RL2-0544-000	Roller, multi-purpose tray, pickup	<a href="#">External panels and covers on page 123</a>

**Table 2-20 Numerical parts list (continued)**

Part number	Description	Table and page
RL2-0546-000	Cover, face down	<a href="#">External panels and covers on page 123</a>
RL2-0550-000	Cover, rear lower	<a href="#">External panels and covers on page 123</a>
RM1-0036-020	Roller, paper pickup	<a href="#">500-sheet feeder internal components on page 143</a>
RM1-0037-020	Roller, paper feed	<a href="#">500-sheet feeder internal components on page 143</a>
RM1-2462-000	Pad, multi-purpose tray, separation	<a href="#">External panels and covers on page 123</a>
RM1-2546-000	Pad, tray 2 separation	<a href="#">Internal components (1 of 3) on page 133</a>
RM1-2896-000	Assembly, paper pickup	<a href="#">500-sheet feeder internal components on page 143</a>
RM1-2909-000	Assembly, drive	<a href="#">500-sheet feeder internal components on page 143</a>
RM1-2912-030	Assembly, lifter drive	<a href="#">500-sheet feeder internal components on page 143</a>
RM1-9838-010	Kit, registration sensor	<a href="#">Duplexing main body (2 of 2) on page 147</a>
RM2-0231-000	PCA, DC controller	<a href="#">Internal components (1 of 3) on page 133</a>
RM2-0231-000	DC controller PCA assembly	<a href="#">PCA assembly on page 139</a>
RM2-0236-000	Assembly, cassette detect switch	<a href="#">Internal components (1 of 3) on page 133</a>
RM2-0241-000	PCA, paper feed	<a href="#">500-sheet feeder internal components on page 143</a>
RM2-0255-000	PCA, duplexer	<a href="#">Duplexing main body (3 of 3) on page 149</a>
RM2-0622-000	Motor, fuser	<a href="#">Internal components (2 of 3) on page 135</a>
RM2-0623-000	Motor, main	<a href="#">Internal components (3 of 3) on page 137</a>
RM2-0624-000	Assembly, cartridge door	<a href="#">External panels and covers on page 123</a>
RM2-0625-000	Cover, multipurpose tray	<a href="#">External panels and covers on page 123</a>
RM2-0629-000	Cassette, tray 2	<a href="#">Internal components (1 of 3) on page 133</a>
RM2-0630-000	Assembly, paper feed	<a href="#">Internal components (1 of 3) on page 133</a>
RM2-0631-000	Power supply, high-voltage	<a href="#">Internal components (3 of 3) on page 137</a>

**Table 2-20 Numerical parts list (continued)**

Part number	Description	Table and page
RM2-0631-000	High-voltage PCA assembly	<a href="#">PCA assembly on page 139</a>
RM2-0633-000	Assembly, face-down paper delivery	<a href="#">Internal components (1 of 3) on page 133</a>
RM2-0636-000	Cover, rear	<a href="#">External panels and covers on page 123</a>
RM2-0639-000	Assembly, fuser (220v)	<a href="#">Internal components (2 of 3) on page 135</a>
RM2-0642-000	Cover, top	<a href="#">External panels and covers on page 123</a>
RM2-0643-000	Assembly, paper pickup	<a href="#">Internal components (1 of 3) on page 133</a>
RM2-0645-000	Assembly, registration	<a href="#">Internal components (1 of 3) on page 133</a>
RM2-0647-000	Power supply, low-voltage	<a href="#">Internal components (2 of 3) on page 135</a>
RM2-0647-000	Low-voltage PCA assembly	<a href="#">PCA assembly on page 139</a>
RM2-0648-000	Assembly, laser scanner unit	<a href="#">Internal components (3 of 3) on page 137</a>
RM2-0656-000	Cover, right, 500-sheet cassette	<a href="#">500-sheet feeder cassette external panels and covers on page 141</a>
RM2-0657-000	Cassette, tray 3	<a href="#">500-sheet feeder internal components on page 143</a>
RM2-0663-000	Drive assembly, duplexer	<a href="#">Duplexing main body (3 of 3) on page 149</a>
RM2-5841-000	Roller, transfer	<a href="#">Internal components (1 of 3) on page 133</a>
RM2-5843-000	Assembly, right cover	<a href="#">External panels and covers on page 123</a>
WP2-5368-000	Sensor, humidity	<a href="#">Internal components (2 of 3) on page 135</a>





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