Right center cover (1x500-sheet paper feeder with cabinet)
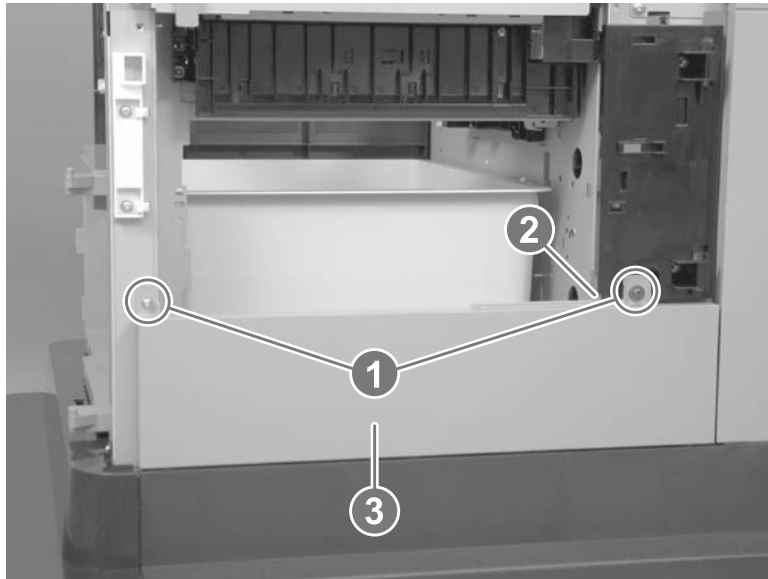
Before proceeding, remove the following assemblies

● **Right door.** See Right door (1x500-sheet paper feeder with cabinet) on page 289.

Remove the right center cover (1x500-sheet paper feeder with cabinet)

▲ Remove two screws (callout 1), release one tab (callout 2), and then remove the right center cover (callout 3).

Figure 1-428 Remove the right center cover (1x500-sheet paper feeder with cabinet)

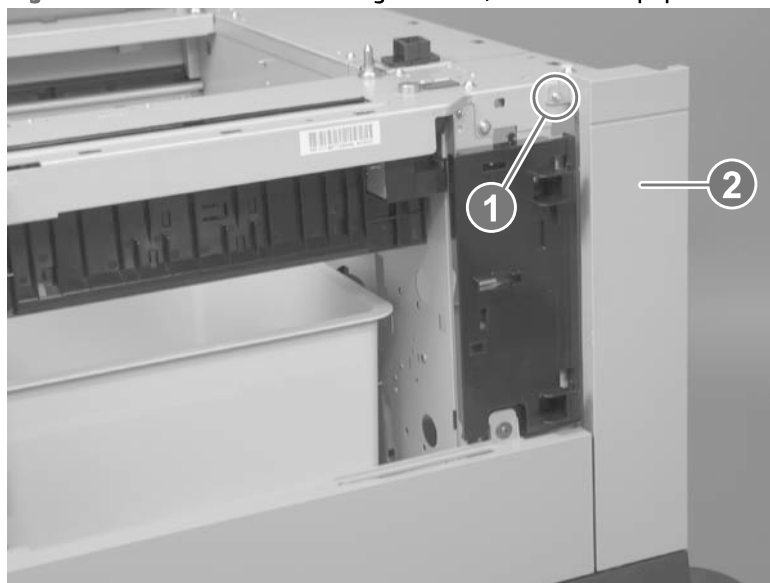# Rear-right cover (1x500-sheet paper feeder with cabinet)

Before proceeding, remove the following assemblies

● **Right door** . See .

Remove the rear-right cover (1x500-sheet paper feeder with cabinet)

▲ Remove one screw (callout 1), and then remove the rear-right cover (callout 2).

Figure 1-429 Remove the rear-right cover (1x500-sheet paper feeder with cabinet)

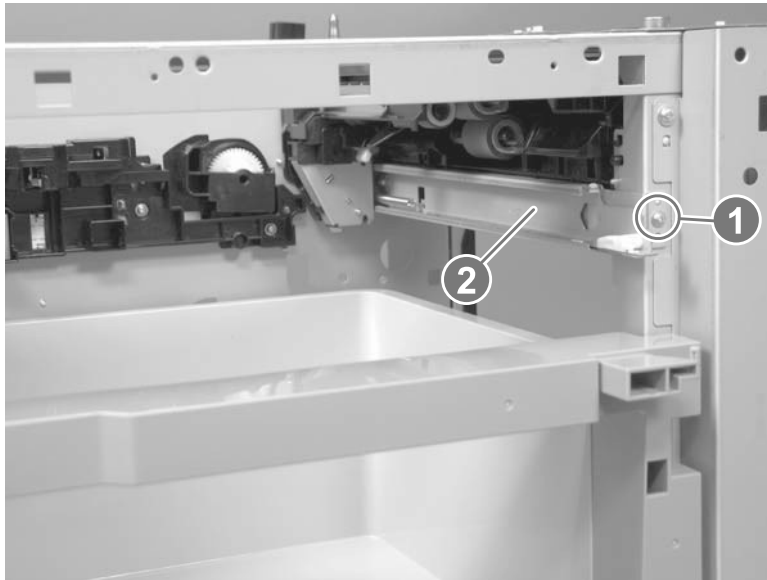## Paper-pickup assembly (1x500-sheet paper feeder with cabinet)

Before proceeding, remove the following assemblies

- Rear cover. See Rear cover (1x500-sheet paper feeder with cabinet) on page 284.

- Stock box door. See Stock box door (1x500-sheet paper feeder with cabinet) on page 286

- Front upper cover. See Front upper cover (1x500-sheet paper feeder with cabinet) on page 287.

- Right front cover. See Right-front cover (1x500-sheet paper feeder with cabinet) on page 288.

Remove the paper-pickup assembly (1x500-sheet paper feeder with cabinet)

1. Remove one screw (callout 1), and then remove the tray rail (callout 2).

   Figure 1-430 Remove the paper-pickup assembly (1x500-sheet paper feeder with cabinet; 1 of 4)
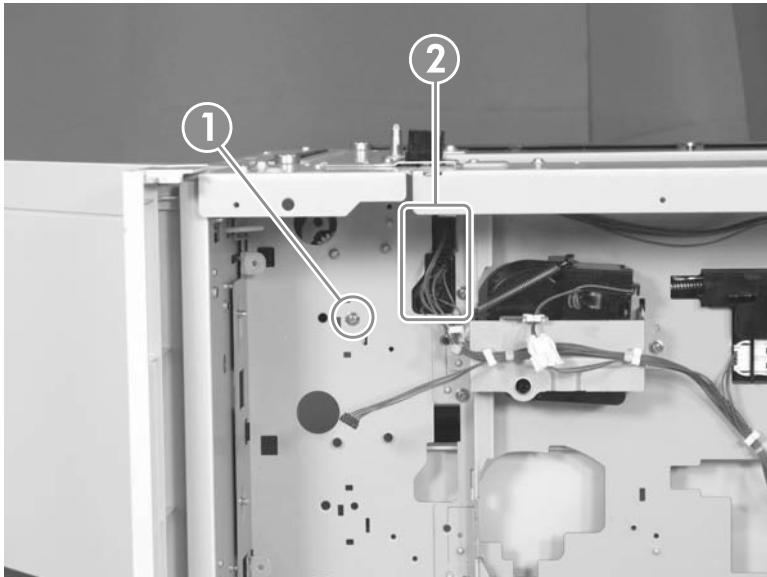
2. Remove three screws (callout 1), disconnect one connector (callout 2), and then remove the motor assembly (callout 3).

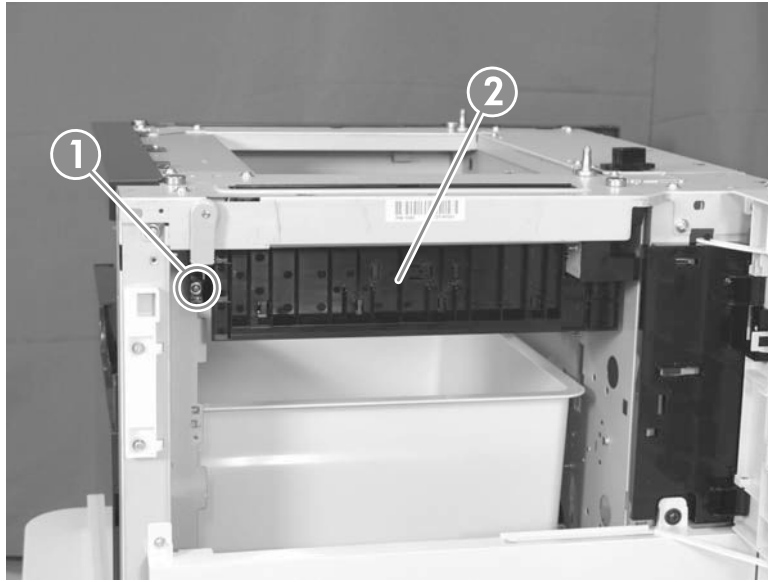**Figure 1-431** Remove the paper-pickup assembly (1x500-sheet paper feeder with cabinet; 2 of 4)

3. Remove one screw (callout 1), and then disconnect three connectors (callout 2).

Figure 1-432 Remove the paper-pickup assembly (1x500-sheet paper feeder with cabinet; 3 of 4)

4. Remove one screw (callout 1), and then remove the paper-pickup assembly (callout 2).

Figure 1-433 Remove the paper-pickup assembly (1x500-sheet paper feeder with cabinet; 4 of 4)

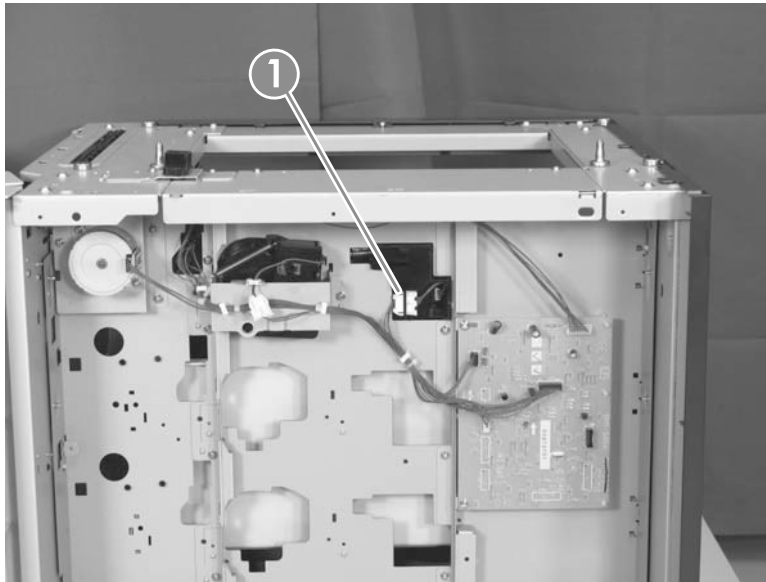# Lifter base assembly (1x500-sheet paper feeder with cabinet)

Before proceeding, remove the following assemblies

- Rear cover. See .

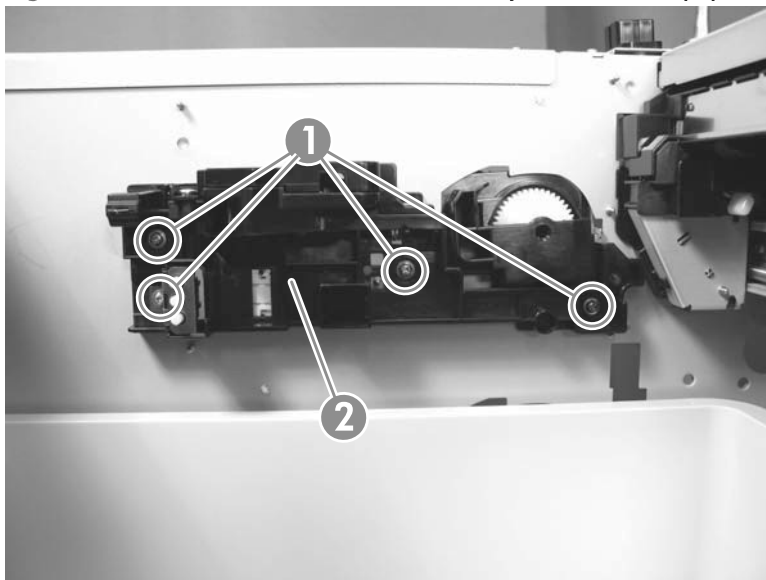**Remove the lifter base assembly (1x500-sheet paper feeder with cabinet)**

1. Disconnect one connector (callout 1).

   Figure 1-434 Remove the lifter base assembly (1x500-sheet paper feeder with cabinet; 1 of 2)

2. Remove four screws (callout 1), and then remove the lifter assembly (callout 2).

   Figure 1-435 Remove the lifter base assembly (1x500-sheet paper feeder with cabinet; 2 of 2)

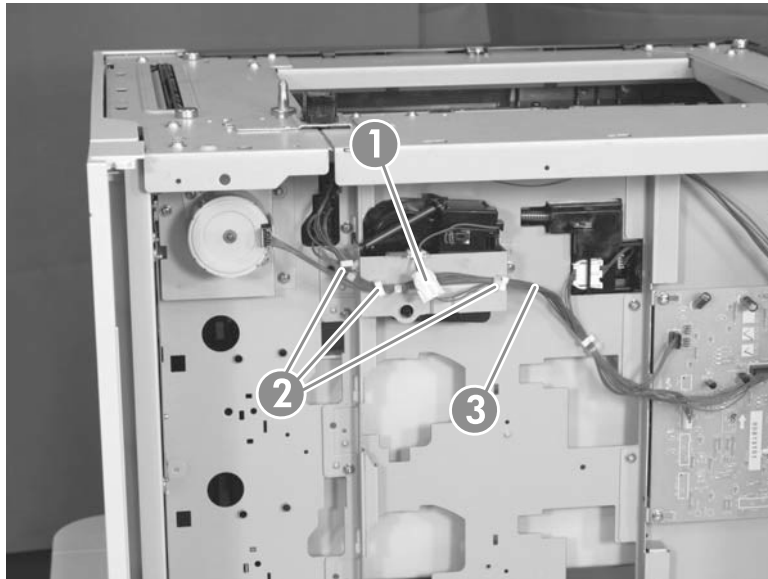# Lifter assembly (1x500-sheet paper feeder with cabinet)

Before proceeding, remove the following assemblies

- Rear cover. See .

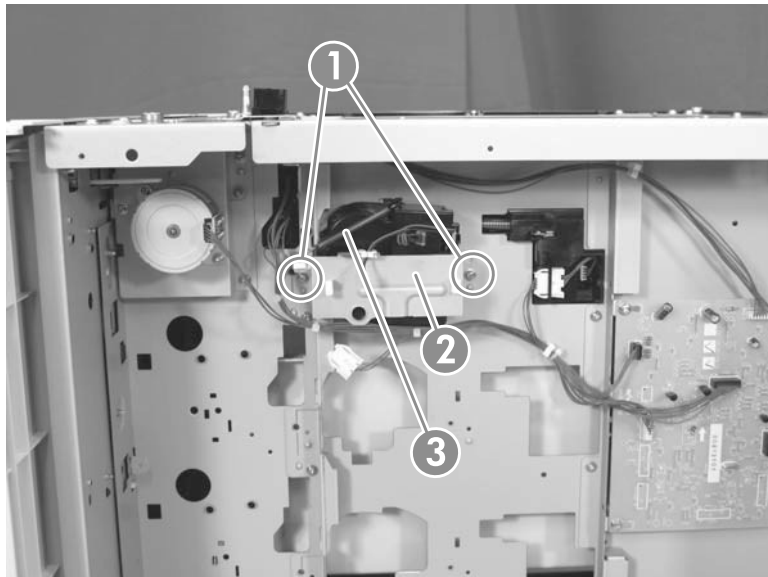**Remove the lifter assembly (1x500-sheet paper feeder with cabinet)**

1. Disconnect one connector (callout 1), and then release the wire harnesses (callout 3) from the guides (callout 2).

   Figure 1-436 Remove the lifter assembly (1x500-sheet paper feeder with cabinet; 1 of 2)

2. Remove two screws (callout 1), and then remove the sheet-metal plate (callout 2). Remove one spring (callout 3), and then remove the lifter drive assembly.

   Figure 1-437 Remove the lifter assembly (1x500-sheet paper feeder with cabinet; 2 of 2)

Pickup motor assembly (1x500-sheet paper feeder with cabinet)

Before proceeding, remove the following assemblies

- Rear cover (optional paper feeder). See Rear cover (1x500-sheet paper feeder with cabinet) on page 284.

Remove the pickup motor (1x500-sheet paper feeder with cabinet) assembly

▲ Remove three screws (callout 1), disconnect one connector (callout 2), and then remove the motor assembly (callout 3).

Figure 1-438 Remove the pickup motor assembly (1x500-sheet paper feeder with cabinet)

Feeder PCA (1x500-sheet paper feeder with cabinet)
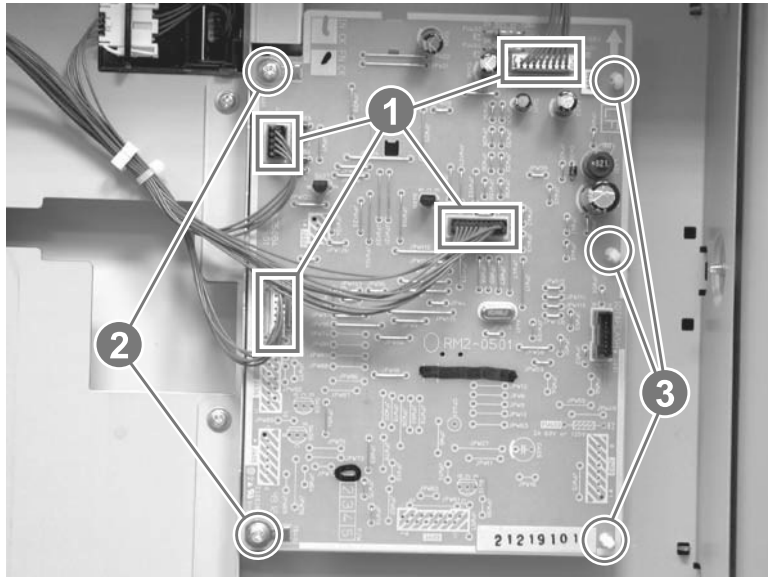
Before proceeding, remove the following assemblies

- Rear cover. See .

Remove the feeder PCA (1x500-sheet paper feeder with cabinet)

⚠ **CAUTION:**　ESD-sensitive assembly.

▲ Disconnect four connectors (callout 1), and remove two screws (callout 2). Release three tabs (callout 3), and then remove the PCA.

Figure 1-439 Remove the feeder PCA (1x500-sheet paper feeder with cabinet)
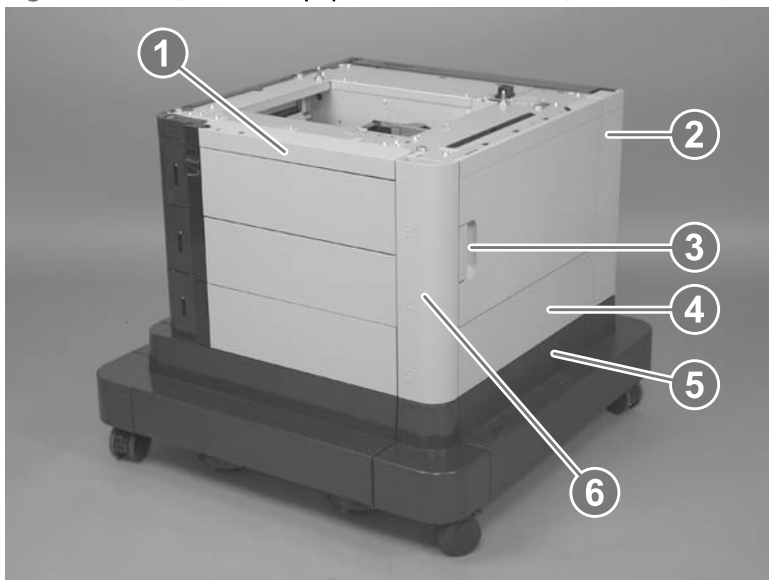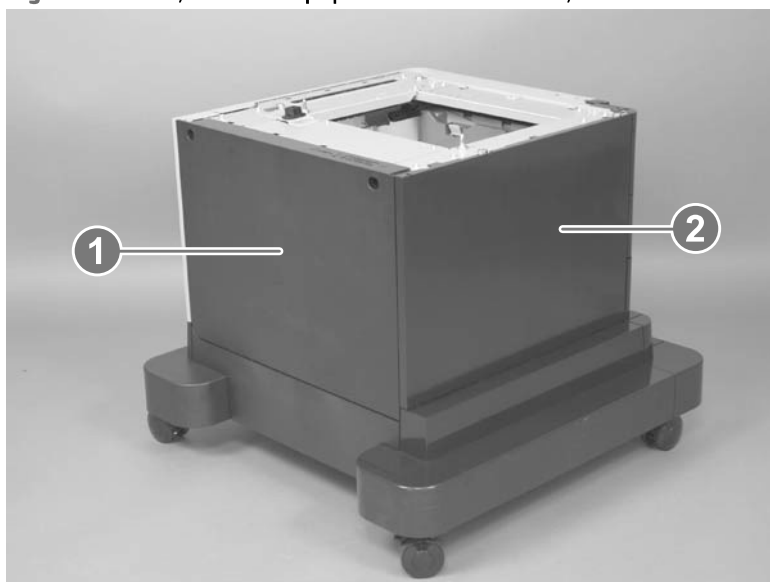
2,500-sheet paper feeder HCI

NOTE: HP recommends removing the output accessory from the product before servicing.

Figure 1-440 2,500-sheet paper feeder HCI covers, front view

1	Front upper cover
2	Right rear cover
3	Right door assembly
4	Right center cover
5	Right lower cover
6	Right front cover

Figure 1-441 2,500-sheet paper feeder HCI covers, rear view

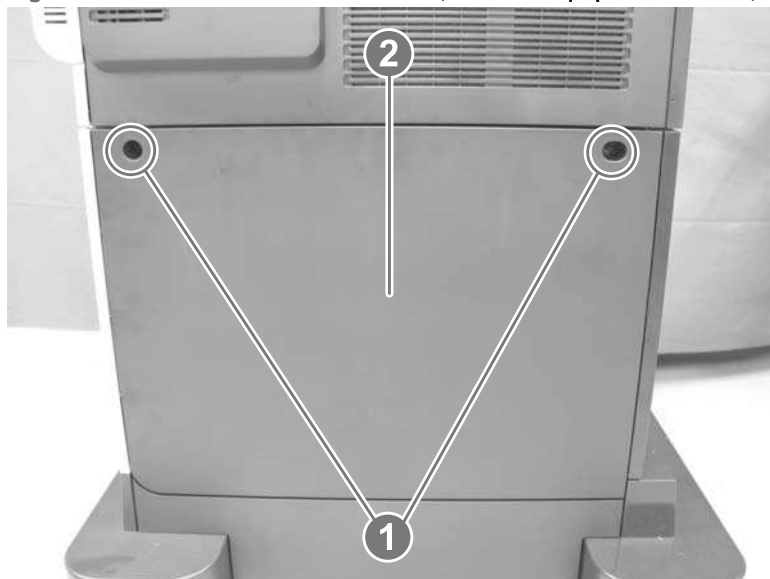| 1	Rear cover
2	Left cover

Rear cover (2,500-sheet paper feeder HCI)

1. Remove two screws (callout 1), and then remove the rear cover assembly (callout 2).

   Figure 1-442 Remove the rear cover (2,500-sheet paper feeder HCI; 1 of 2)

2. To separate the lower rear cover from the rear cover: Remove two screws (callout 1) and remove the rear cover (callout 2) from the lower rear cover (callout 3).

   Figure 1-443 Remove the rear cover (2,500-sheet paper feeder HCI; 2 of 2)
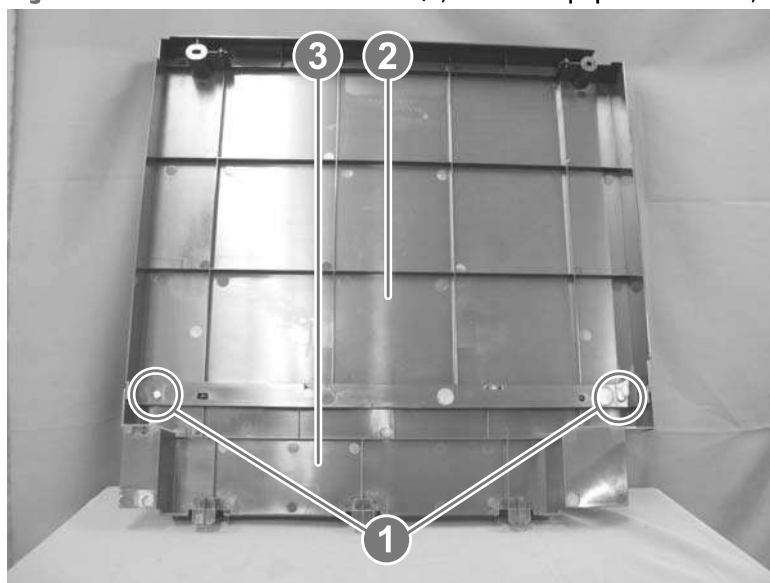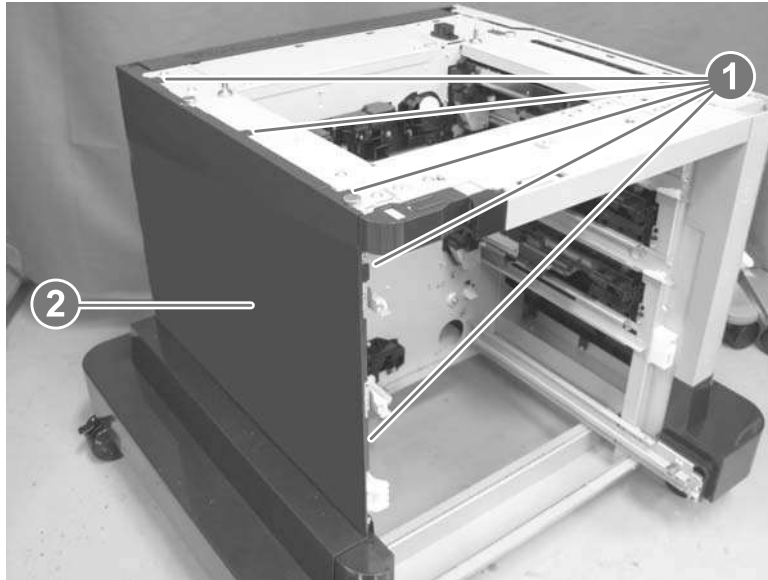
Left cover (2,500-sheet paper feeder HCI)

📝 **NOTE:** The output accessory must be removed from the product before servicing this assembly.

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

**Figure 1-444** Remove the left cover (2,500-sheet paper feeder HCI)

Front upper cover (2,500-sheet paper feeder HCI)

NOTE: The output accessory must be removed from the product before servicing this assembly.

▲ Remove three screws (callout 1), release two tabs (callout 2), and remove the front upper cover (callout 3).

Figure 1-445 Remove the front upper cover (2,500-sheet paper feeder HCI)
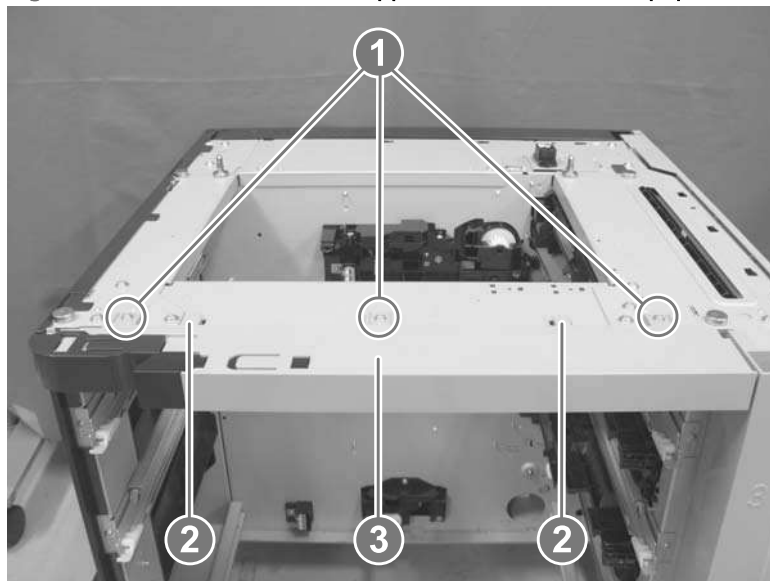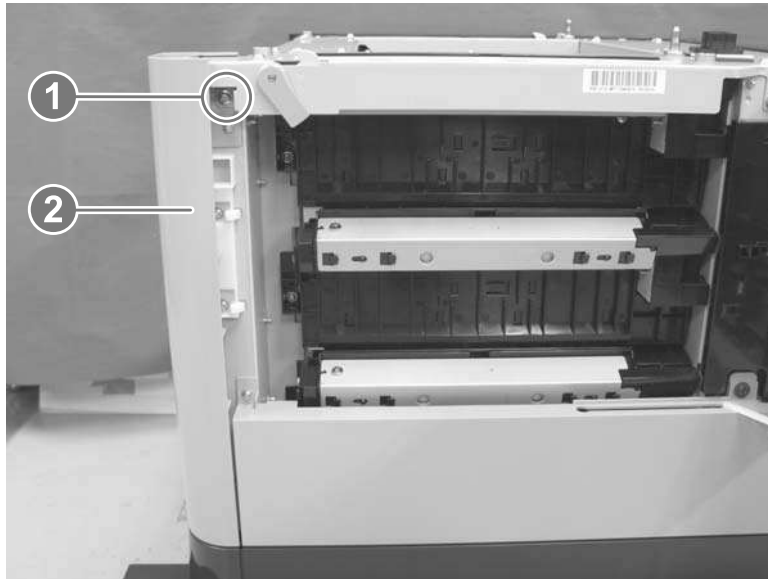
Right front cover (2,500-sheet paper feeder HCI)

Before proceeding, remove the following assemblies

- Front upper cover. See .

Remove the right front cover (2,500-sheet paper feeder HCI)

▲ Open the right door. Remove one screw (callout 1), and then lift the right front cover (callout 2) to remove it.
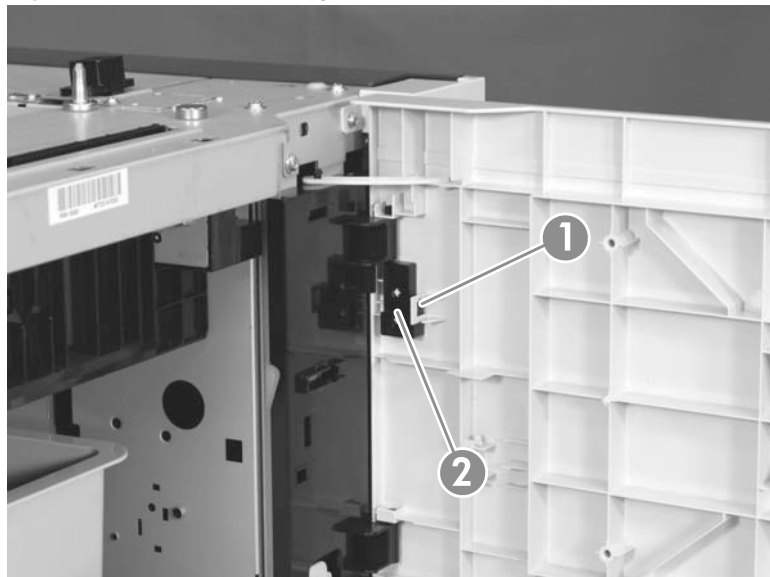
Figure 1-446 Remove the right front cover (2,500-sheet paper feeder HCI)

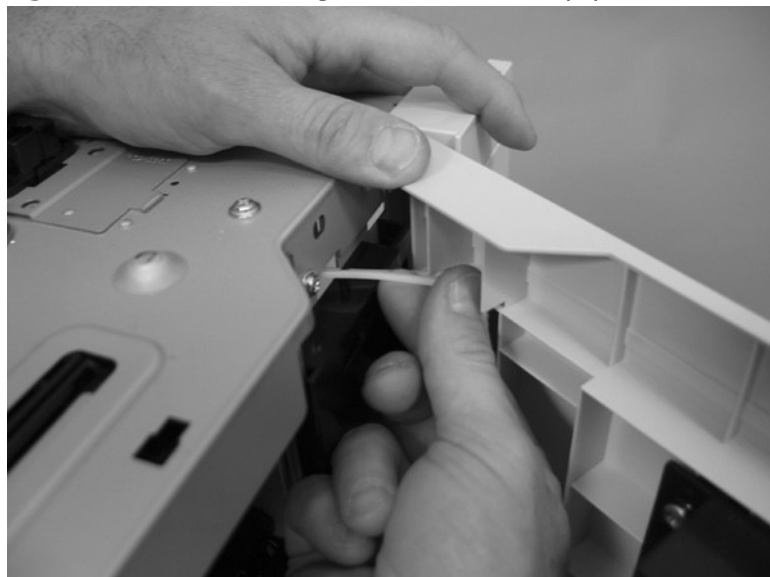## Right door assembly (2,500-sheet paper feeder HCI)

1. Open the right door, release one tab (callout 1), and then remove the stopper (callout 2)

    Figure 1-447 Remove the right door (2,500-sheet paper feeder HCI; 1 of 3)
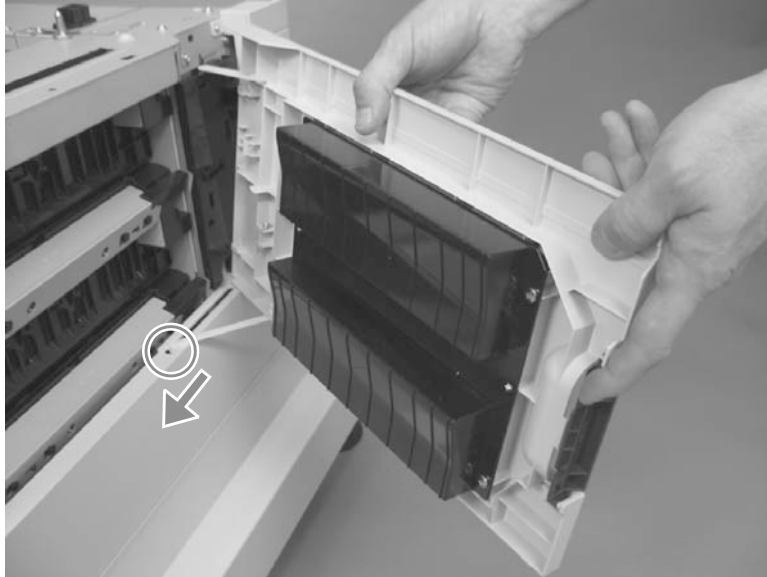

2. Close the right door slightly, and then release the upper link arm.

    Figure 1-448 Remove the right door (2,500-sheet paper feeder HCI; 2 of 3)

3. Slide the door to release the lower link arm, lift the door up to release the hinge pins, and then remove the right door.

Figure 1-449 Remove the right door (2,500-sheet paper feeder HCI; 3 of 3)

Right center cover (2,500-sheet paper feeder HCI)

Before proceeding, remove the following assemblies

● **Right door assembly.** See .

Remove the right center cover (2,500-sheet paper feeder HCI)

▲ Remove two screws (callout 1), release one tab (callout 2), and then remove the right center cover (callout 3).

Figure 1-450 Remove the right center cover (2,500-sheet paper feeder HCI)
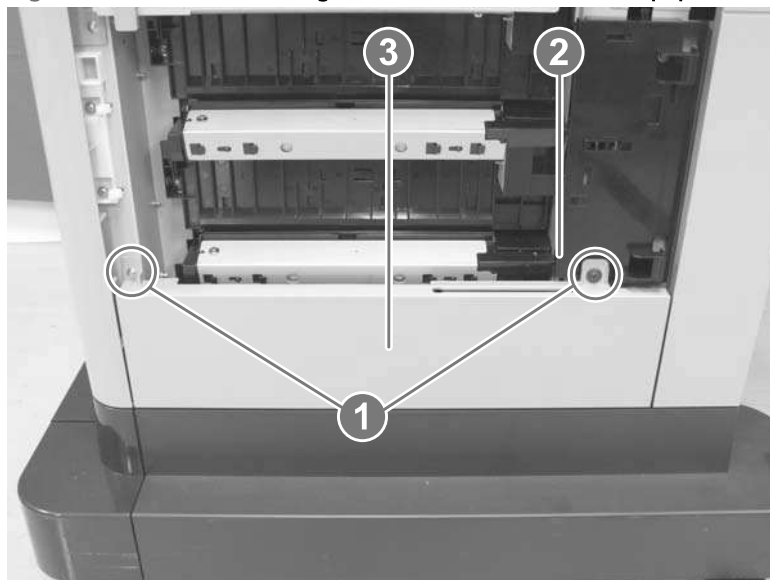
Right rear cover (2,500-sheet paper feeder HCI)

Before proceeding, remove the following assemblies

- Right door assembly. See Right door assembly (2,500-sheet paper feeder HCI) on page 306.

Remove the right rear cover (2,500-sheet paper feeder HCI)

▲ Remove one screw (callout 1), and then remove the right rear cover (callout 2).

Figure 1-451 Remove the right rear cover (2,500-sheet paper feeder HCI)

Right lower cover (2,500-sheet paper feeder HCI)

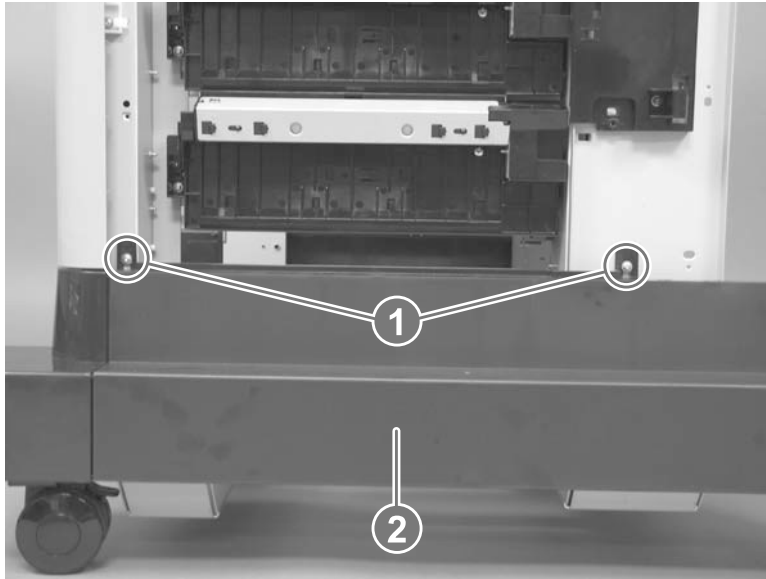**Before proceeding, remove the following assemblies**

- Right door assembly. See Right door assembly (2,500-sheet paper feeder HCI) on page 306.

- Right center cover. See Right center cover (2,500-sheet paper feeder HCI) on page 308.

- Right rear cover. See Right rear cover (2,500-sheet paper feeder HCI) on page 309.

Remove the right lower cover (2,500-sheet paper feeder HCI)

▲   Remove two screws (callout 1), and then remove the right lower cover (callout 2).

Figure 1-452 Remove the right lower cover (2,500-sheet paper feeder HCI)

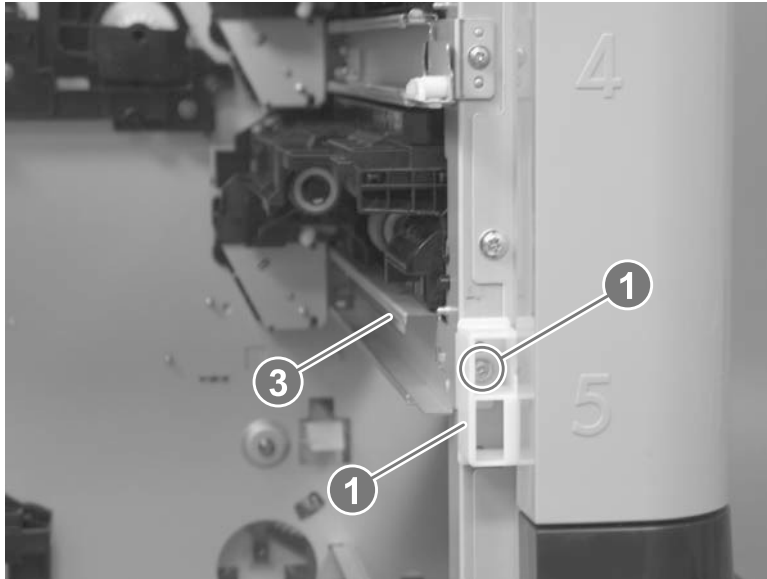## Tray 5 pickup assembly (2,500-sheet paper feeder HCI)

Before proceeding, remove the following assemblies

- Rear cover. See Rear cover (2,500-sheet paper feeder HCI) on page 302.

- Right door. See Right door assembly (2,500-sheet paper feeder HCI) on page 306.

- Right center cover. See Right center cover (2,500-sheet paper feeder HCI) on page 308.

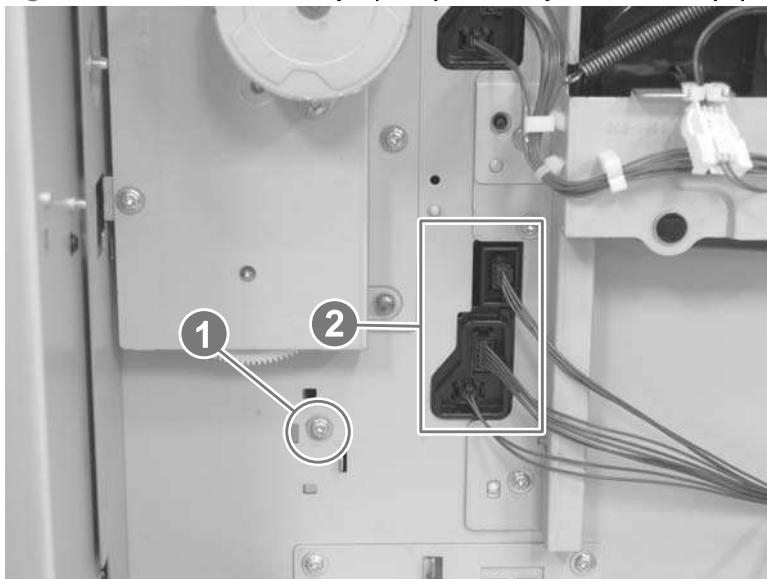**Remove the Tray 5 pickup assembly (2,500-sheet paper feeder HCI)**

1. Remove one screw (callout 1). Remove the cover (callout 2) and the rail (callout 3).

   Figure 1-453 Remove the Tray 5 pickup assembly (2,500-sheet paper feeder HCI; 1 of 3)
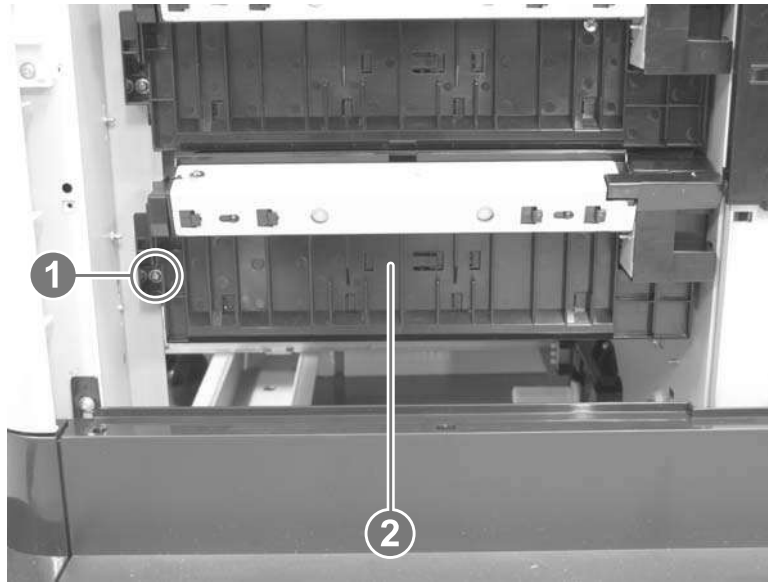

2. On the back of the accessory, remove one screw (callout 1), and disconnect three connectors (callout 2).

   Figure 1-454 Remove the Tray 5 pickup assembly (2,500-sheet paper feeder HCI; 2 of 3)

3. On the right side, remove one screw (callout 1), and then remove the pickup assembly (callout 2).

Figure 1-455 Remove the Tray 5 pickup assembly (2,500-sheet paper feeder HCI; 3 of 3)

Tray 3-4 pickup assemblies (2,500-sheet paper feeder HCI)

Before proceeding, remove the following assemblies

- Rear cover. See Rear cover (2,500-sheet paper feeder HCI) on page 302.

Remove the Tray 3-4 pickup assemblies (2,500-sheet paper feeder HCI)

📝 **NOTE:** The following procedure shows removing the pickup assemblies for both Tray 3 and Tray 4. It is not necessary to remove or replace both assemblies at the same time, though.
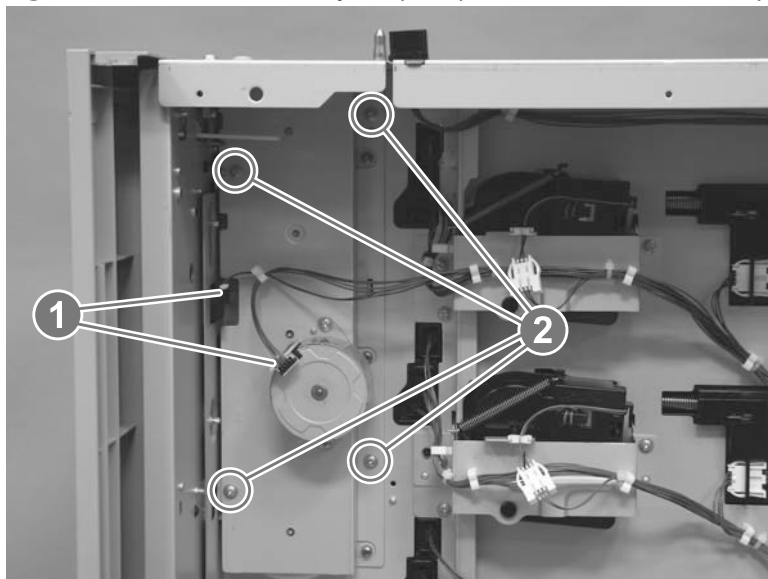
1. Remove two screws (callout 1) and then remove the rails (callout 2).

   Figure 1-456 Remove the Tray 3-4 pickup assemblies (2,500-sheet paper feeder HCI; 1 of 4)
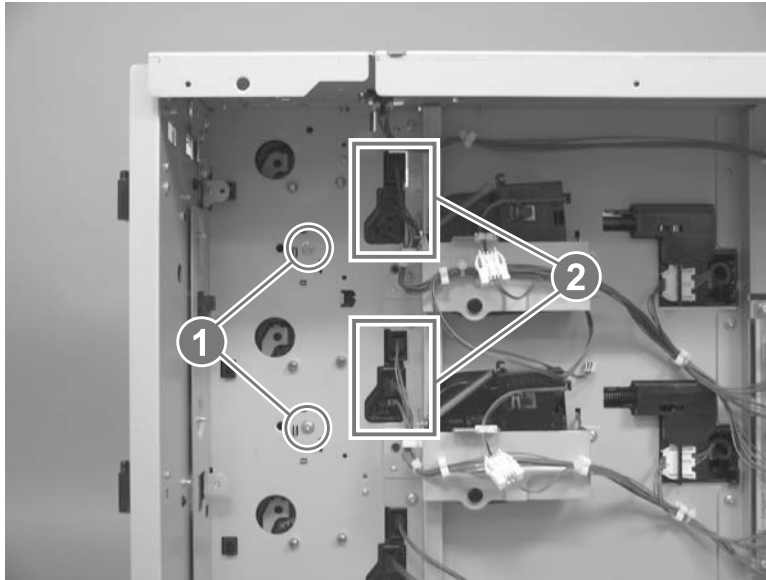

2. Disconnect two connectors (callout 1), remove four screws (callout 2), and then remove the drive assembly.

   Figure 1-457 Remove the Tray 3-4 pickup assemblies (2,500-sheet paper feeder HCI; 2 of 4)
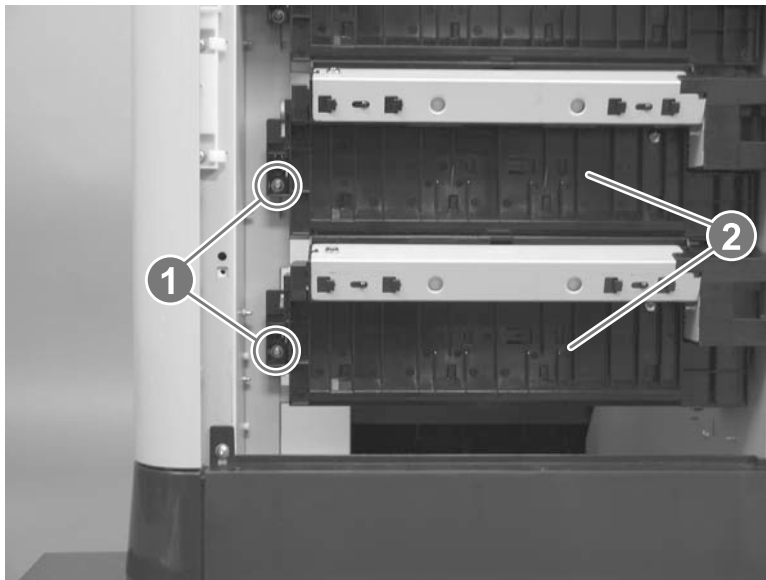
3. Remove two screws (callout 1), and disconnect two sets of three connectors (callout 2).

Figure 1-458 Remove the Tray 3-4 pickup assemblies (2,500-sheet paper feeder HCI; 3 of 4)

4. Remove two screws (callout 1), and then remove the pickup assemblies (callout 2).

Figure 1-459 Remove the Tray 3-4 pickup assemblies (2,500-sheet paper feeder HCI; 4 of 4)

Tray 3-4 lifter base assemblies (2,500-sheet paper feeder HCI)

Before proceeding, remove the following assemblies

- Rear cover. See .

Remove the Tray 3-4 lifter base assemblies (2,500-sheet paper feeder HCI)

📝 **NOTE:** The following procedure shows removing the lifter base assemblies for both Tray 3 and Tray 4. It is not necessary to remove or replace both assemblies at the same time, though.

1. Disconnect two connectors (callout 1).

   Figure 1-460 Remove the Tray 3-4 lifter base assemblies (2,500-sheet paper feeder HCI; 1 of 2)

2. Remove eight screws (callout 1), and then remove the lifter base assemblies (callout 2)

   Figure 1-461 Remove the Tray 3-4 lifter base assemblies (2,500-sheet paper feeder HCI; 2 of 2)

Tray 3-4 lifter assemblies (2,500-sheet paper feeder HCI)
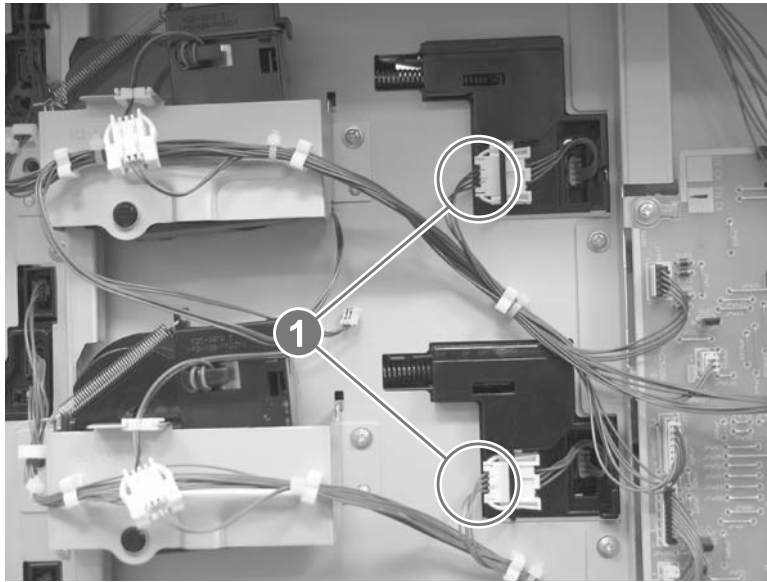
Before proceeding, remove the following assemblies

- Rear cover. See .

Remove the Tray 3-4 lifter assemblies (2,500-sheet paper feeder HCI)

NOTE: The following procedure shows removing the lifter assemblies for both Tray 3 and Tray 4. It is not necessary to remove or replace both assemblies at the same time, though.
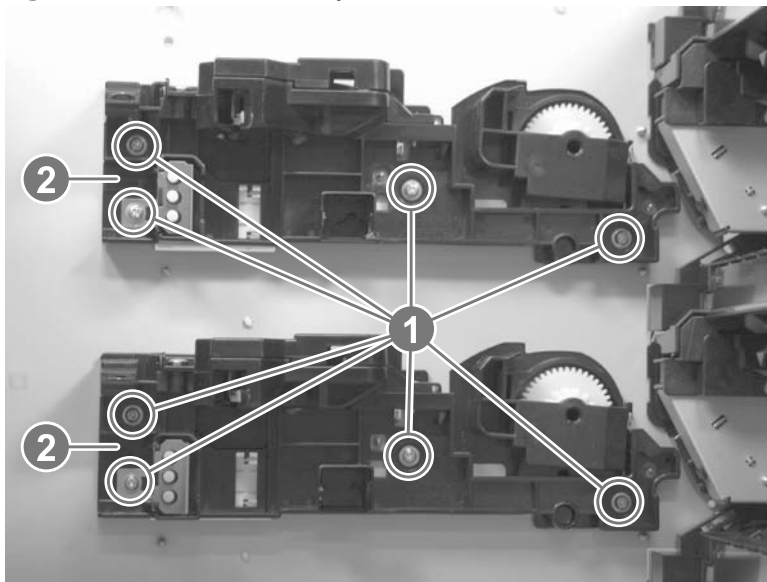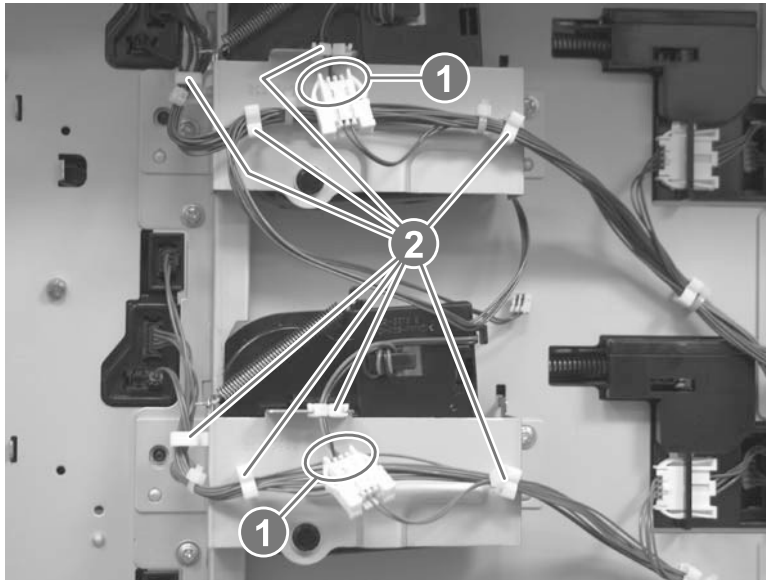
1. Disconnect two connectors (callout 1) and then release the cables from the clamps (callout 2).

   Figure 1-462 Remove the Tray 3-4 lifter assemblies (2,500-sheet paper feeder HCI; 1 of 2)

2. Unhook two springs (callout 1), remove four screws (callout 2), remove the metal plates (callout 3), and then remove the lifter assemblies (callout 4).

   Figure 1-463 Remove the Tray 3-4 lifter assemblies (2,500-sheet paper feeder HCI; 2 of 2)
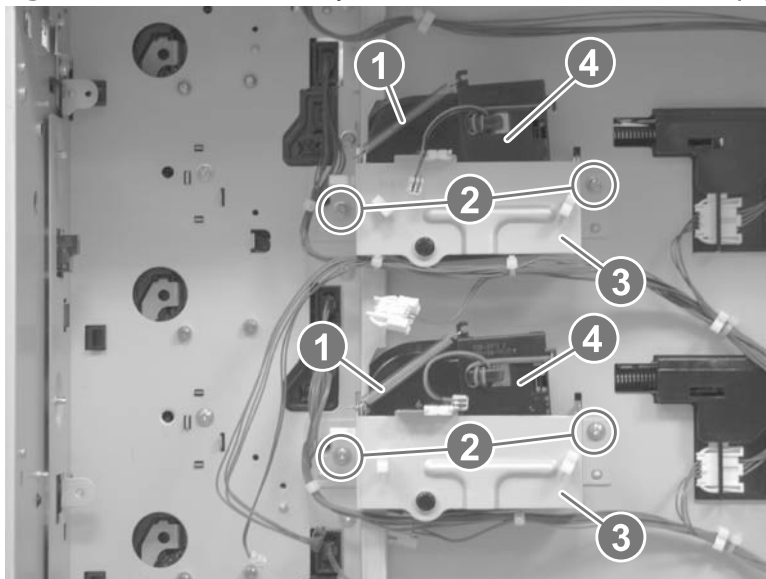
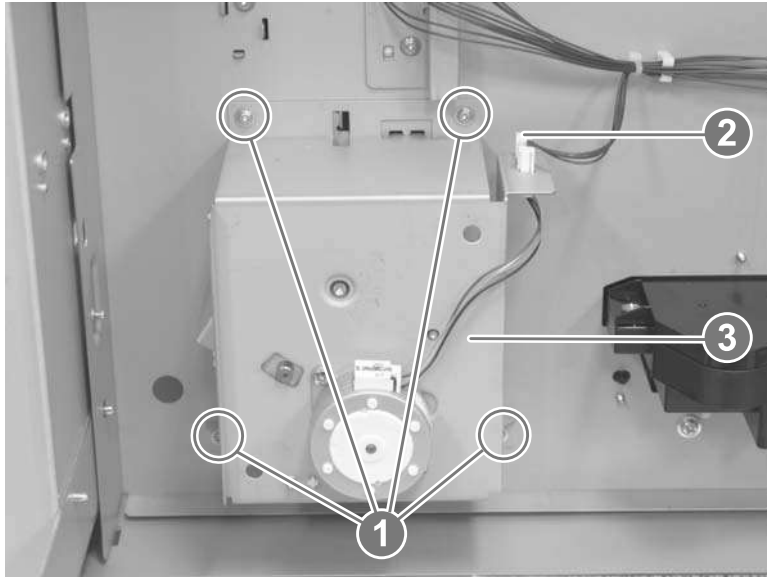# Tray 5 lifter drive assembly (2,500-sheet paper feeder HCI)

Before proceeding, remove the following assemblies

- Rear cover. See Rear cover (2,500-sheet paper feeder HCI) on page 302.

- Right door. See Right door assembly (2,500-sheet paper feeder HCI) on page 306.

- Right center cover. See Right center cover (2,500-sheet paper feeder HCI) on page 308.

- Right rear cover. See Right rear cover (2,500-sheet paper feeder HCI) on page 309.

- Right lower cover. See Right lower cover (2,500-sheet paper feeder HCI) on page 310.

Remove the Tray 5 lifter drive assembly (2,500-sheet paper feeder HCI)

▲ On the back of the accessory, disconnect one connector (callout 1), remove four screws (callout 2), and then remove the Tray 5 lifter drive assembly (callout 3).

Figure 1-464 Remove the Tray 5 lifter drive assembly (2,500-sheet paper feeder HCI)

Pickup motor (2,500-sheet paper feeder HCI)

Before proceeding, remove the following assemblies

- Rear cover. See Rear cover (2,500-sheet paper feeder HCI) on page 302.

Remove the pickup motor (2,500-sheet paper feeder HCI)

▲ Disconnect one connector (callout 1), remove two screws (callout 2), and then remove the pickup motor (callout 3).

Figure 1-465 Remove the pickup motor (2,500-sheet paper feeder HCI)
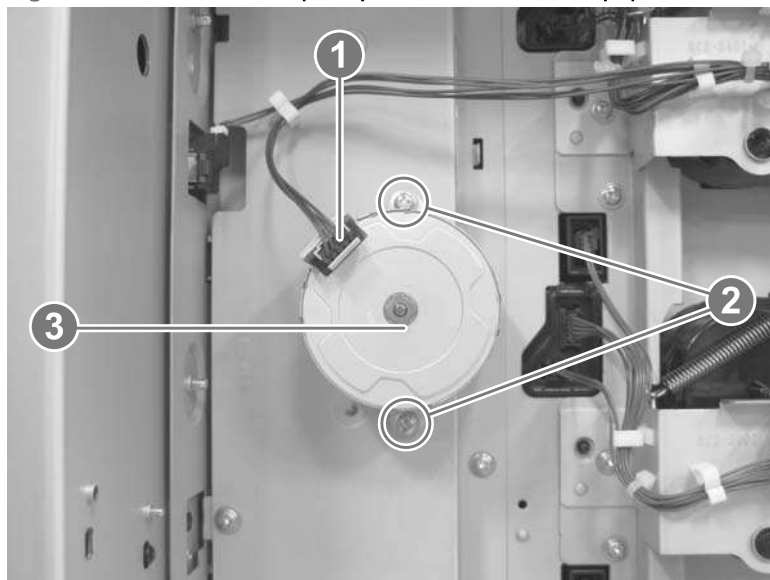
HCI PCA (2,500-sheet paper feeder HCI)

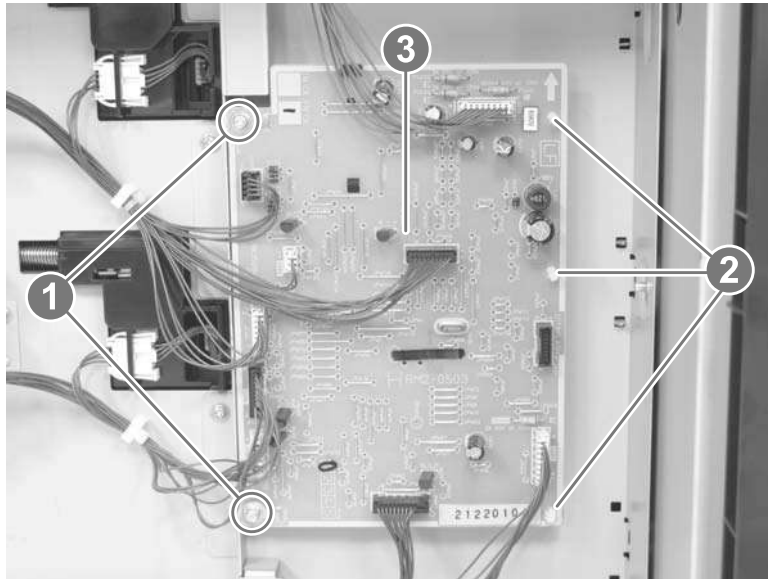**Before proceeding, remove the following assemblies**

- Rear cover. See Rear cover (2,500-sheet paper feeder HCI) on page 302.

Remove the HCI PCA (2,500-sheet paper feeder HCI)

▲ Disconnect all the connectors from the HCI HCI PCA. Remove two screws (callout 1), release three tabs (callout 2), and then remove the PCA (callout 3).

Figure 1-466 Remove the HCI PCA (2,500-sheet paper feeder HCI)

Stapling mailbox (M680)

Figure 1-467 Stapling mailbox covers, front view
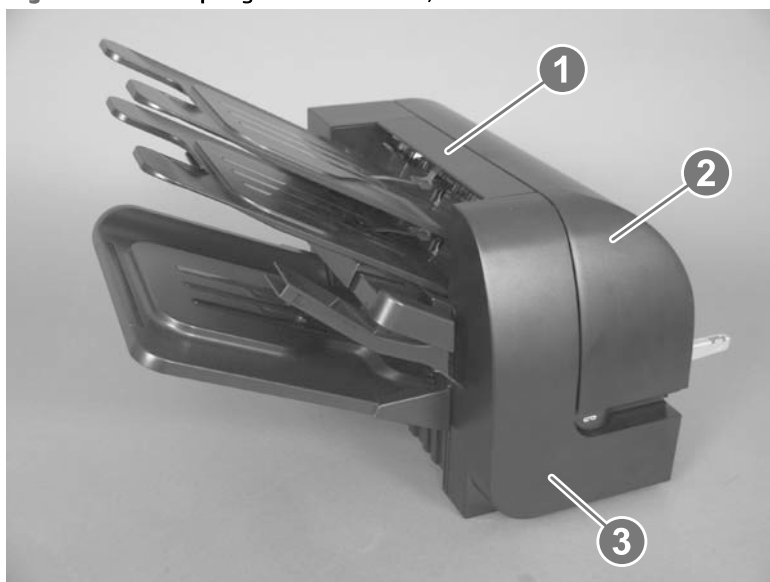
1	Top cover
2	Top door
3	Front door

Figure 1-468 Stapling mailbox covers, rear view
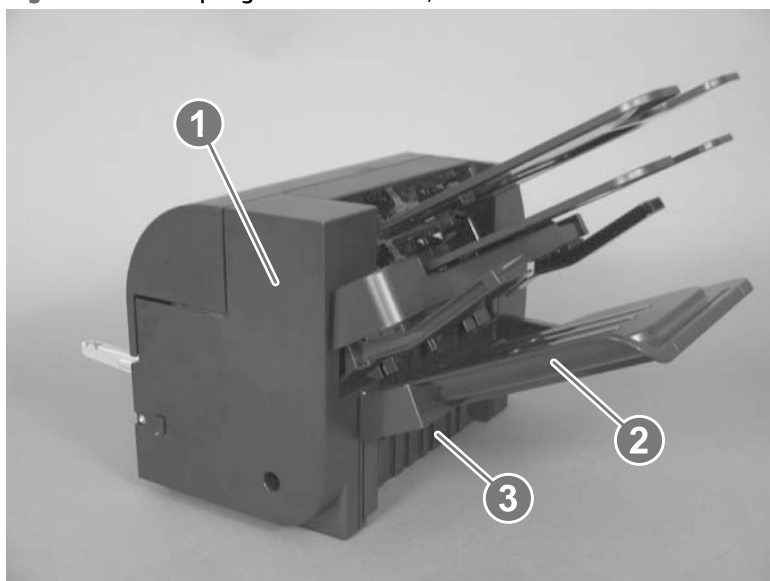
1	Rear cover
2	Tray assembly
3	Stacking panel

Front cover (stapling mailbox)

▲ Open the stapling mailbox door, remove one screw (callout 1), release two tabs (callout 2), and then remove the front cover (callout 3).

Figure 1-469 Remove the front cover (stapling mailbox)
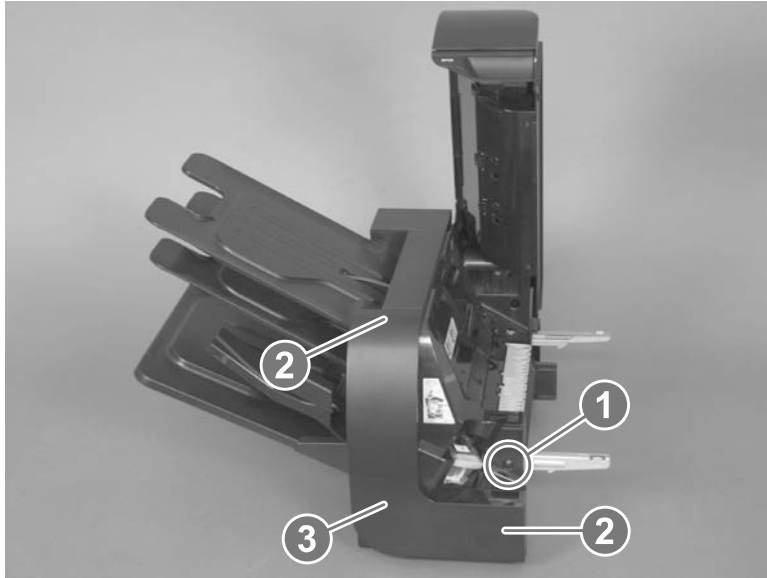
Rear cover (stapling mailbox)

▲ Remove two screws (callout 1), release one tab (callout 2), and then remove the rear cover (callout 3).

Figure 1-470 Remove the rear cover (stapling mailbox)
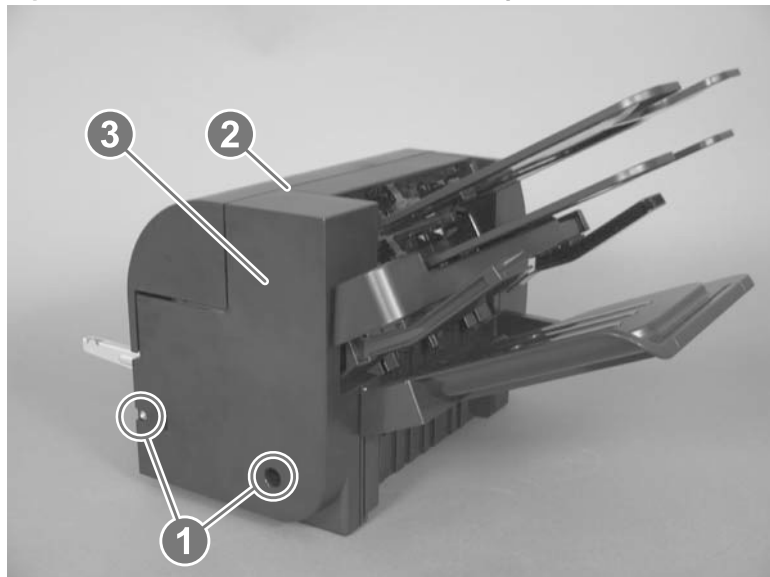
Top door (stapling mailbox)

Before proceeding, remove the following assemblies

- Rear cover. See Rear cover (stapling mailbox) on page 322.

Remove the stapling mailbox top door

▲ Remove three screws (callout 1), and then remove the stapling mailbox door (callout 2).

NOTE: The black-plastic push button (callout 3) can be easily dislodged when the door is removed. Do not lose the push button.

Figure 1-471 Remove the top door (stapling mailbox)

Connector holder (stapling mailbox)

Before proceeding, remove the following assemblies

- Rear cover. See Rear cover (stapling mailbox) on page 322.

Remove the stapling mailbox connector holder

▲ Remove one screw, and then remove the holder connector.

Figure 1-472 Remove the holder connector (stapling mailbox)

Top cover (stapling mailbox)

Before proceeding, remove the following assemblies

- Front cover. See Front cover (stapling mailbox) on page 321.

- Rear cover. See Rear cover (stapling mailbox) on page 322.

Remove the stapling mailbox top cover

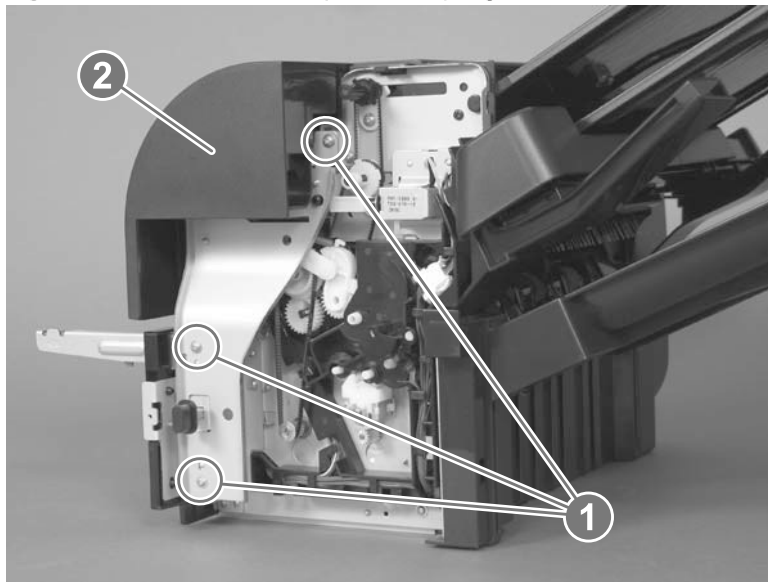▲ Remove one screw (callout 1), and then remove the top cover (callout 2).

Figure 1-473 Remove the top cover (stapling mailbox)

Output bin 3 (stapling mailbox)

1. Squeeze and pull two stoppers to remove from the output bin.

   Figure 1-474 Remove output bin 3 (stapling mailbox; 1 of 2)
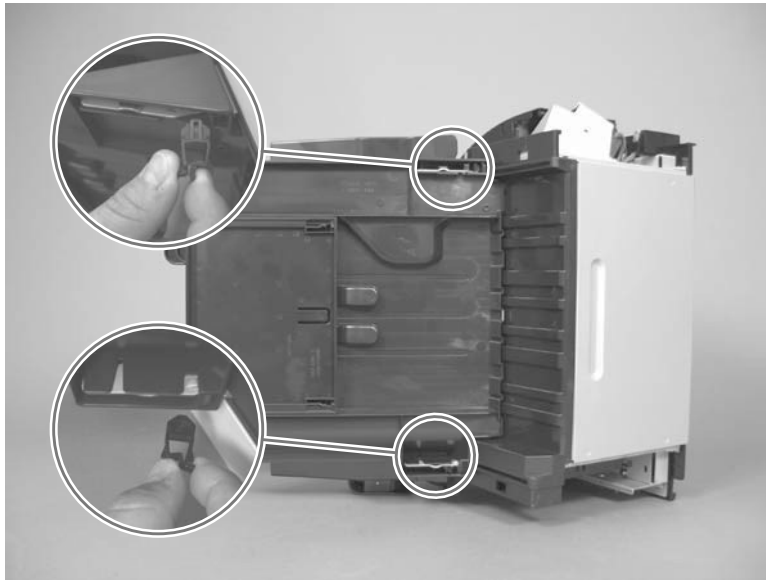
   📝 **NOTE:** When reinstalling the output bin, make sure the two stoppers are installed in the correct position.

2. Release two tabs (callout 1) and slide the output bin 3 (callout 2) to remove.

   Figure 1-475 Remove output bin 3 (stapling mailbox; 2 of 2)
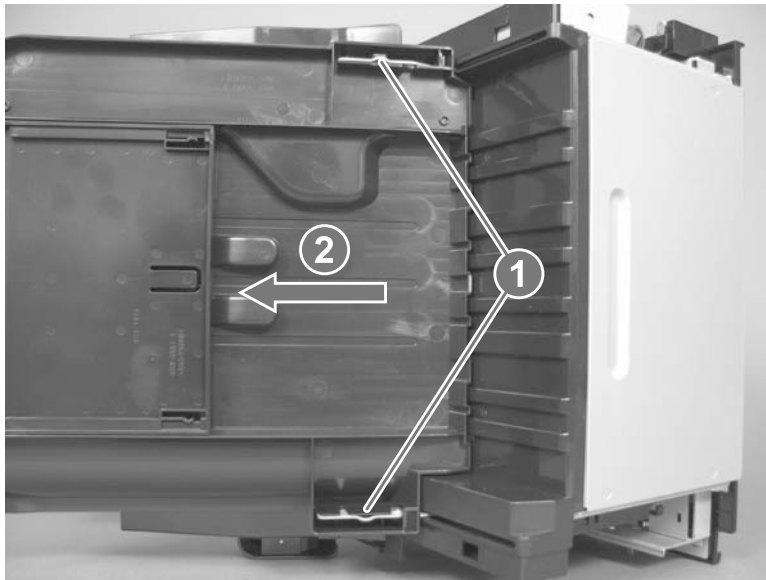
Output bin 3 driver PCA (stapling mailbox)

⚠ **CAUTION:** 🖐 **ESD** ESD-sensitive assembly.

📝 **NOTE:** This assembly is also called the MBM PCA.

1. Remove two screws, and slide the PCA cover off to remove it.

Figure 1-476 Remove the output bin 3 driver PCA (stapling mailbox; 1 of 3)
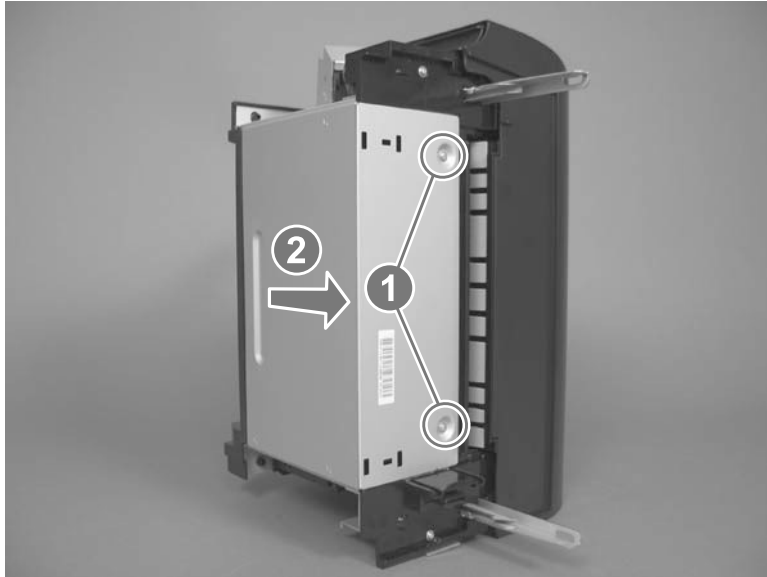
2. Release the cables (callout 1) from the cable guide (callout 2).

📝 **NOTE:** Be careful not to damage components (callout 3) on the PCA.

Figure 1-477 Remove the output bin 3 driver PCA (stapling mailbox; 2 of 3)
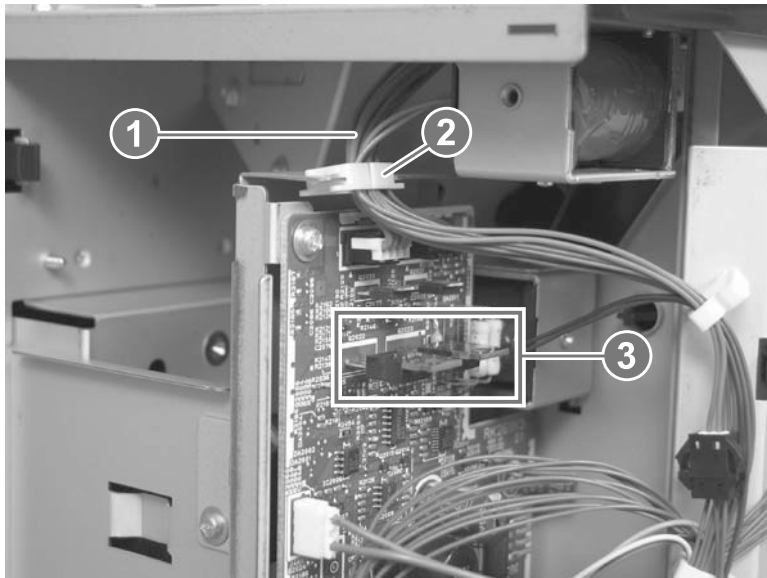
3. Remove two screws (callout 1), disconnect all connectors from the PCA, and then remove the PCA.

NOTE: The connectors for J460 and J466 are empty.

Figure 1-478 Remove the output bin 3 driver PCA (stapling mailbox; 3 of 3)

Stapler assembly (stapling mailbox)

Before proceeding, remove the following assemblies

● Front cover. See Front cover (stapling mailbox) on page 321.

Remove the stapler assembly

▲ Remove three screws (callout 1), disconnect two connectors (callout 2), and then remove the stapler assembly (callout 3).

Figure 1-479 Remove the stapler assembly (stapling mailbox)
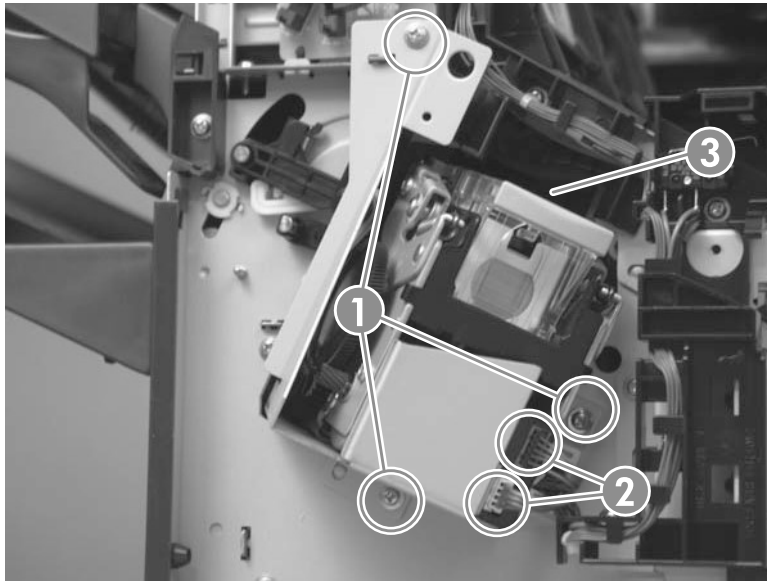
Stamp solenoid (stapling mailbox)

Before proceeding, remove the following assemblies

- Front cover. See Front cover (stapling mailbox) on page 321.

- Controller PCA. See Output bin 3 driver PCA (stapling mailbox) on page 327.

- Stapler assembly. See Stapler assembly (stapling mailbox) on page 329.

Remove the stapling mailbox stamp solenoid

1. Disconnect one connector (callout 1), and then release the cables (callout 2) from the cable guides (callout 3).

   Figure 1-480 Remove the stamp solenoid (stapling mailbox; 1 of 2)

2. Remove two screws (callout 1), and then remove the stamp solenoid (callout 2).

   Figure 1-481 Remove the stamp solenoid (stapling mailbox; 2 of 2)
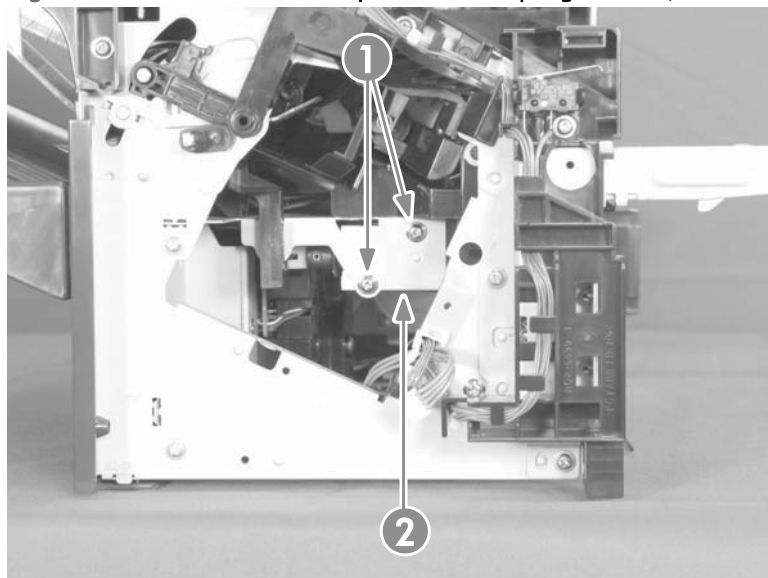
Output bin sensor PCA (stapling mailbox)

Before proceeding, remove the following assemblies

- Front cover. See Front cover (stapling mailbox) on page 321.

Remove the stapling mailbox output bin sensor PCA

⚠ **CAUTION:** 🔸 ESD-sensitive assembly.

1. Remove one screw (callout 1) and disconnect one connector (callout 2).

   Figure 1-482 Remove the output bin sensor PCA (stapling mailbox; 1 of 2)
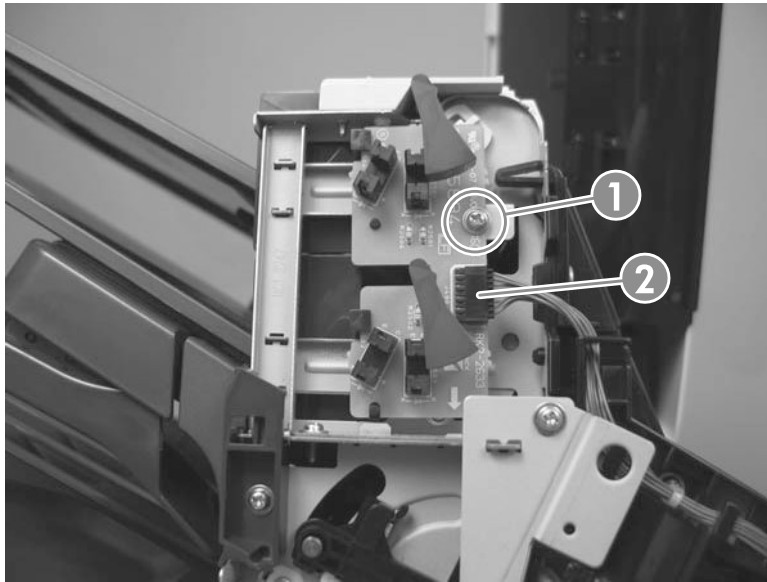
2. Release two tabs (callout 1), clear one post (callout 2), and slide the PCA to remove (callout 3).

⚠ **CAUTION:**   Be careful not to damage the flags (callout 4) when removing and installing the PCA.

💡 **Reinstallation tip**   When reinstalling, make sure the PCA is seated correctly with the tabs (callout 1) and post (callout 2).

Figure 1-483 Remove the output bin sensor PCA (stapling mailbox; 2 of 2)
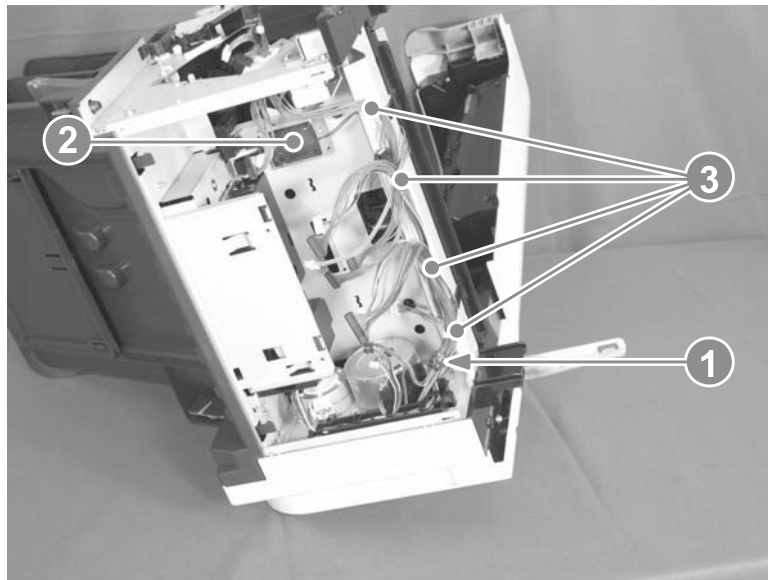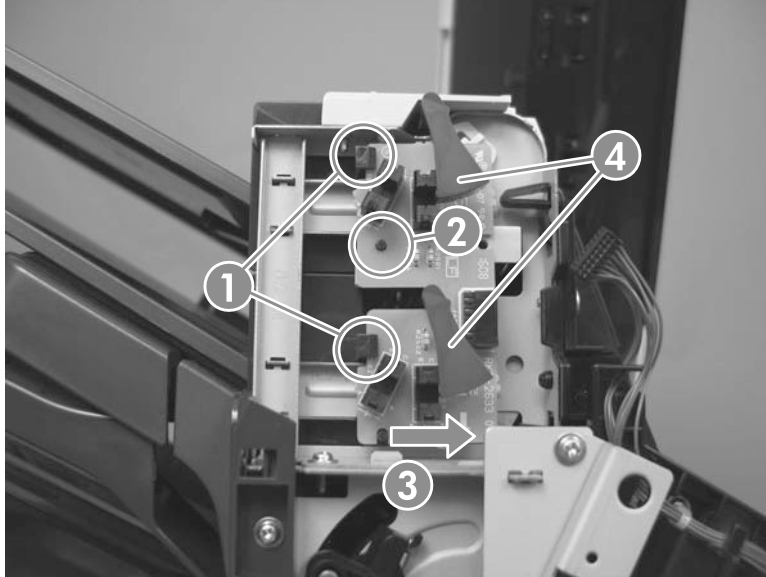
Stacking panel (stapling mailbox)

Before proceeding, remove the following assemblies

- Front cover. See Front cover (stapling mailbox) on page 321.

- Rear cover. See Rear cover (stapling mailbox) on page 322.

- Output bin 3. See Output bin 3 (stapling mailbox) on page 326.

Remove the stapling mailbox stacking panel

1. Remove two screws (callout 1), and slide the PCA cover (callout 2) to remove it.

   Figure 1-484 Remove the stacking panel (stapling mailbox; 1 of 2)

2. Place the accessory stapler-side down. Release two tabs (callout 1) and them remove the stacking panel (callout 2).

   Figure 1-485 Remove the stacking panel (stapling mailbox; 2 of 2)
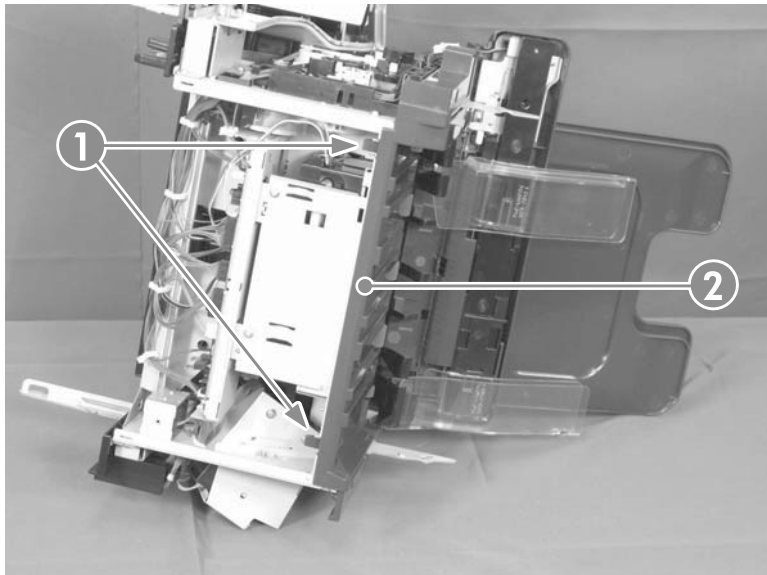
Jogger assembly (stapling mailbox)

Before proceeding, remove the following assemblies

- Front cover. See Front cover (stapling mailbox) on page 321.

- Rear cover. See Rear cover (stapling mailbox) on page 322.

Remove the stapling mailbox jogger assembly

1. Disconnect two connectors (callout 1).

   Figure 1-486 Remove the jogger assembly (stapling mailbox; 1 of 3)

2. Remove one screw.

   Figure 1-487 Remove the jogger assembly (stapling mailbox; 2 of 3)
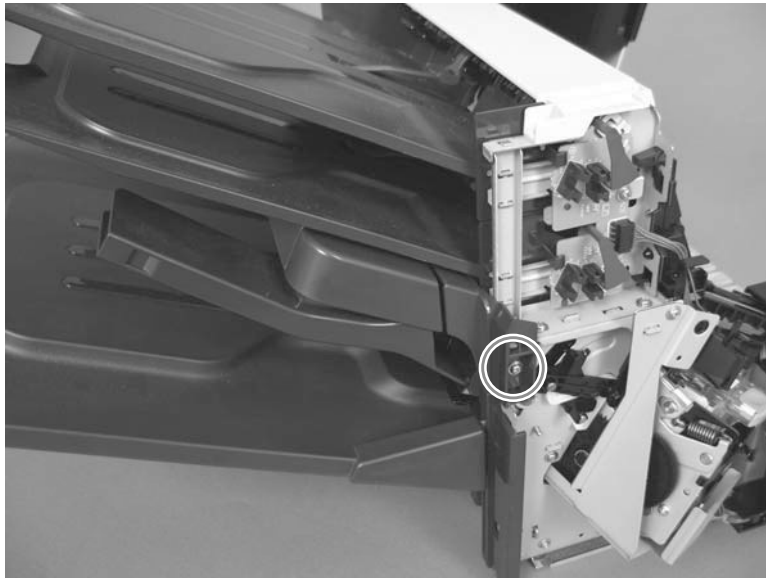
3. Disengage pin and remove the jogger assembly.

Figure 1-488 Remove the jogger assembly (stapling mailbox; 3 of 3)

Flapper guide assembly (stapling mailbox)

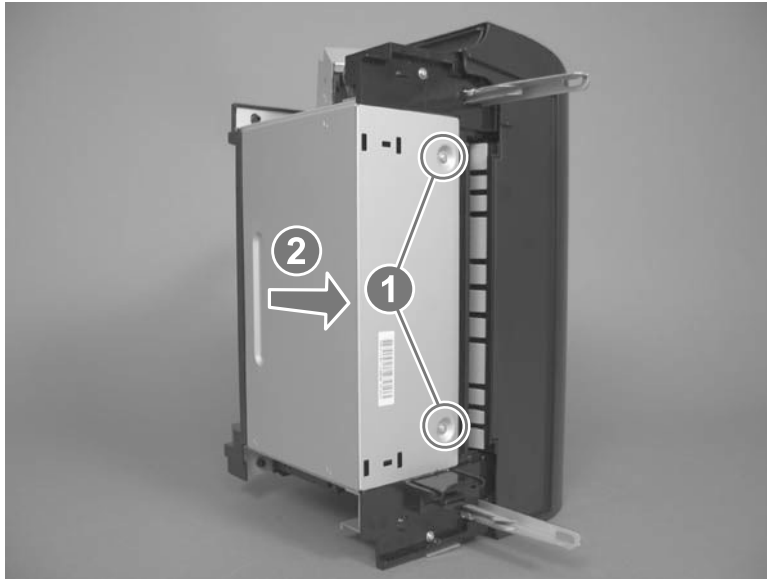### Before proceeding, remove the following assemblies

- Front cover. See Front cover (stapling mailbox) on page 321.

- Rear cover. See Rear cover (stapling mailbox) on page 322.

- Top door. See Top door (stapling mailbox) on page 323.

- Top cover. See Top cover (stapling mailbox) on page 325.

- Jogger assembly. See Jogger assembly (stapling mailbox) on page 334.

Remove the flapper guide assembly

▲ Remove two screws (callout 1), release one tab (callout 2), and then remove the flapper guide assembly (callout 3).

📝 **NOTE:** Make sure to reinstall the stepped screw on the left side of the assembly.

Figure 1-489 Remove the flapper guide assembly (stapling mailbox)

Reinstall the stapling mailbox flapper guide assembly

▲ When reinstalling the assembly, makes sure to correctly reattach the two pieces of the assembly.

Figure 1-490 Reinstall the flapper guide assembly (stapling mailbox)
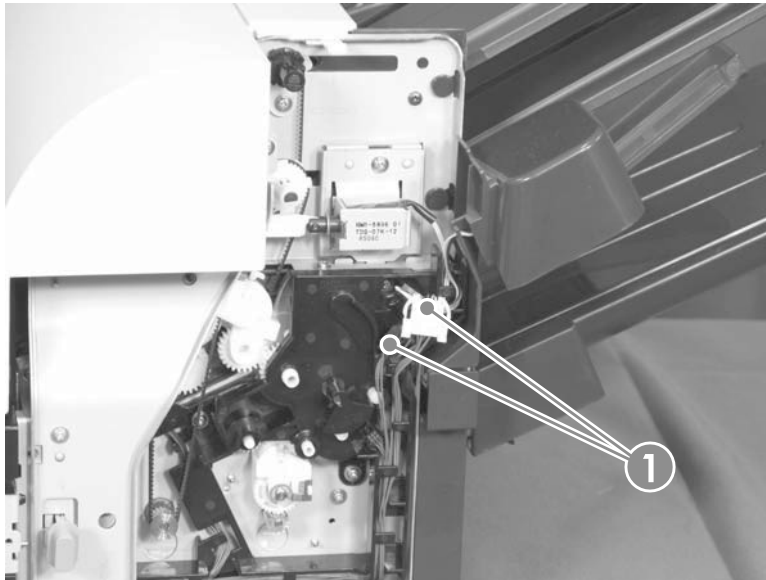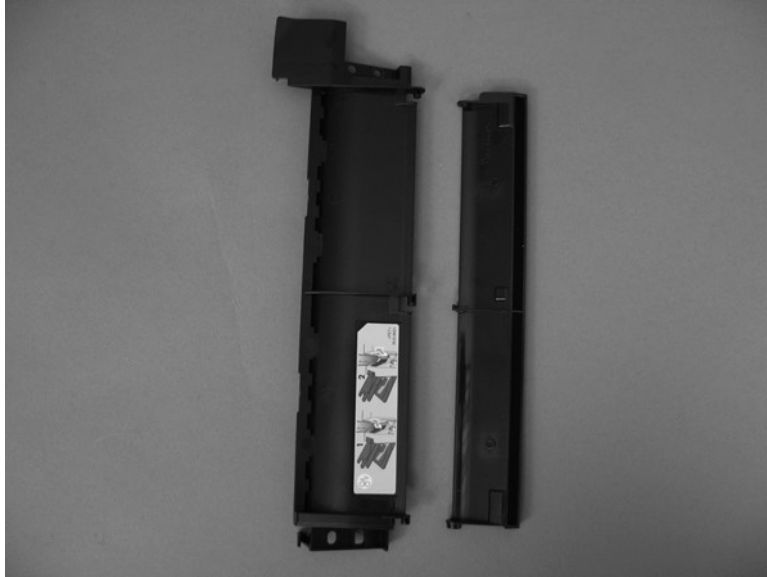
Flapper assembly (stapling mailbox)

Before proceeding, remove the following assemblies

- Front cover. See Front cover (stapling mailbox) on page 321.

- Rear cover. See Rear cover (stapling mailbox) on page 322.
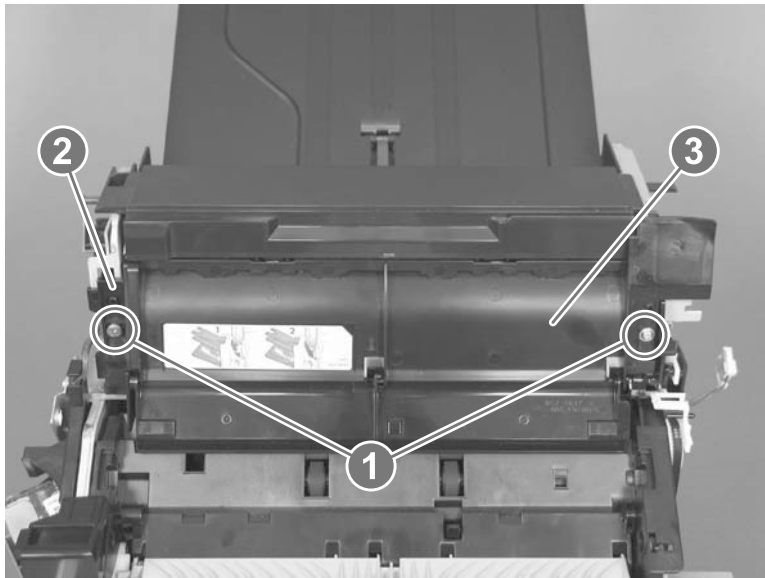
- Top door. See Top door (stapling mailbox) on page 323.

- Top cover. See Top cover (stapling mailbox) on page 325.

- Jogger assembly. See Jogger assembly (stapling mailbox) on page 334.

- Flapper guide assembly. See Flapper guide assembly (stapling mailbox) on page 336.

Remove the stapling mailbox flapper assembly

▲ Release one tab (callout 1), release the solenoid arm (callout 2), and then remove the flapper assembly (callout 3).

> ☼ **Reinstallation tip**   When reinstalling the assembly, makes sure to correctly reattach the solenoid and arm.

Figure 1-491 Remove the flapper assembly (stapling mailbox)
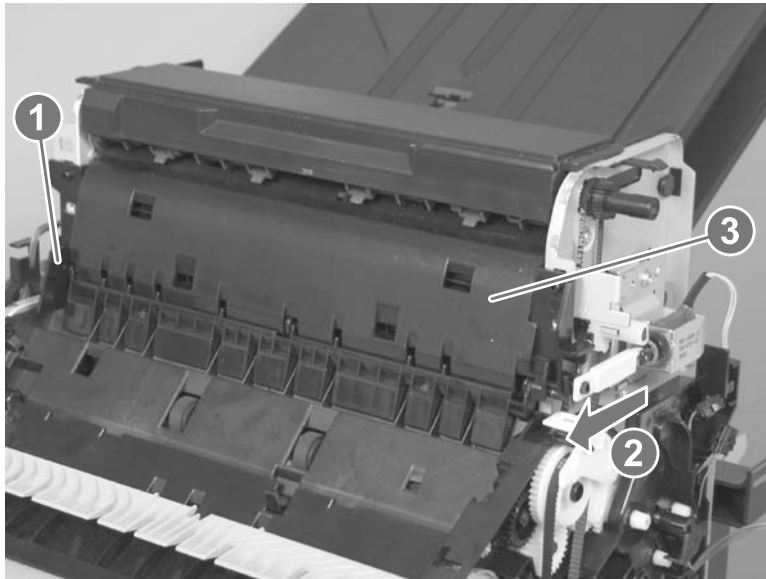
Output bin solenoid (stapling mailbox)

Before proceeding, remove the following assemblies

- Stapling mailbox rear cover. See Rear cover (stapling mailbox) on page 322.

- Stapling mailbox top door. See Top door (stapling mailbox) on page 323.

Remove the stapling mailbox output bin solenoid

▲ Disconnect one connector (callout 1), remove one screw (callout 2), disconnect the solenoid arm (callout 3), and then remove the solenoid (callout 4) and bracket (callout 5).

Figure 1-492 Remove the output bin solenoid (stapling mailbox)

Output bin assembly (stapling mailbox)

Before proceeding, remove the following assemblies

- Rear cover. See Rear cover (stapling mailbox) on page 322.

- Top door. See Top door (stapling mailbox) on page 323.

- Top cover. See Top cover (stapling mailbox) on page 325.

- Output bin sensor PCA. See Output bin sensor PCA (stapling mailbox) on page 331.

- Jogger assembly. See Jogger assembly (stapling mailbox) on page 334.

- Flapper guide assembly. See Flapper guide assembly (stapling mailbox) on page 336.

- Flapper assembly. See Flapper assembly (stapling mailbox) on page 338.
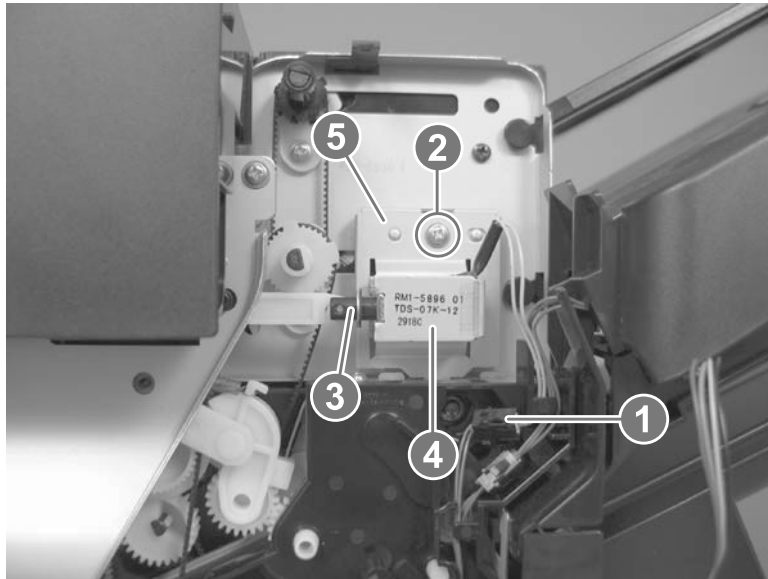
- Output bin solenoid. See Output bin solenoid (stapling mailbox) on page 339.

Remove the stapling mailbox output bin assembly

1. Remove two screws (callout 1).

    Figure 1-493 Remove the output bin assembly (stapling mailbox; 1 of 3)
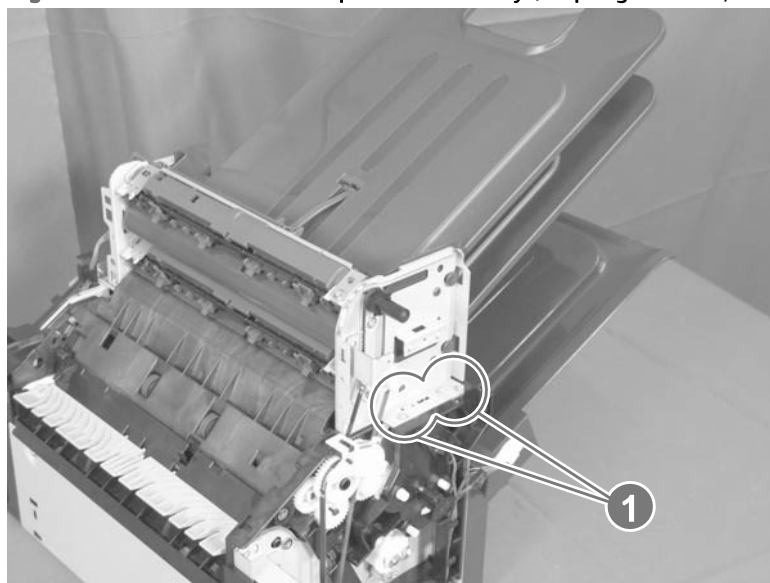
2. Remove two screws.

Figure 1-494 Remove the output bin assembly (stapling mailbox; 2 of 3)

3. Remove the belt and then remove the assembly.

Figure 1-495 Remove the output bin assembly (stapling mailbox; 3 of 3)
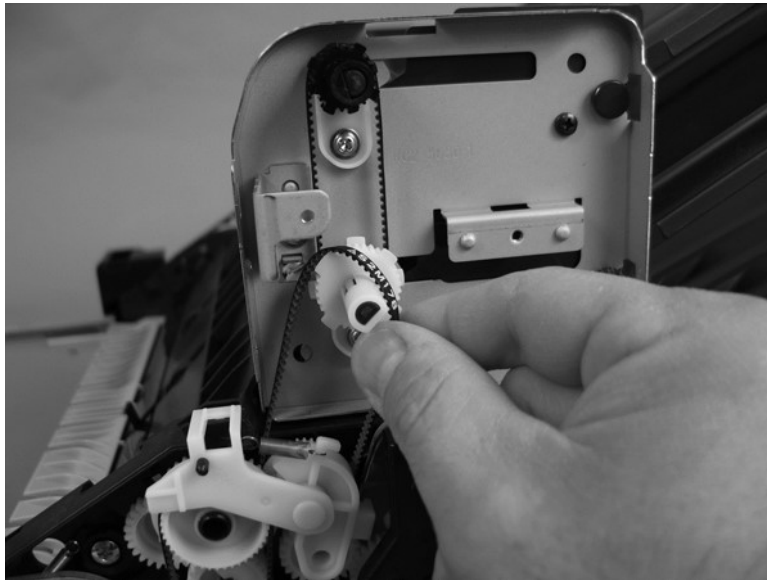
Output bin 3 drive assembly (stapling mailbox)

Before proceeding, remove the following assemblies

- Front cover. See Front cover (stapling mailbox) on page 321.

- Rear cover. See Rear cover (stapling mailbox) on page 322.

- Output bin 3. See Output bin 3 (stapling mailbox) on page 326.

- Stacking panel. See Stacking panel (stapling mailbox) on page 333.

Remove the output bin 3 drive assembly (stapling mailbox)

1. Release one spring (callout 1).

   📝 **NOTE:** If the spring is out of reach, lower the tray support until there is clearance (as shown in the next step).

   Figure 1-496 Remove the output bin 3 drive assembly (stapling mailbox; 1 of 4)
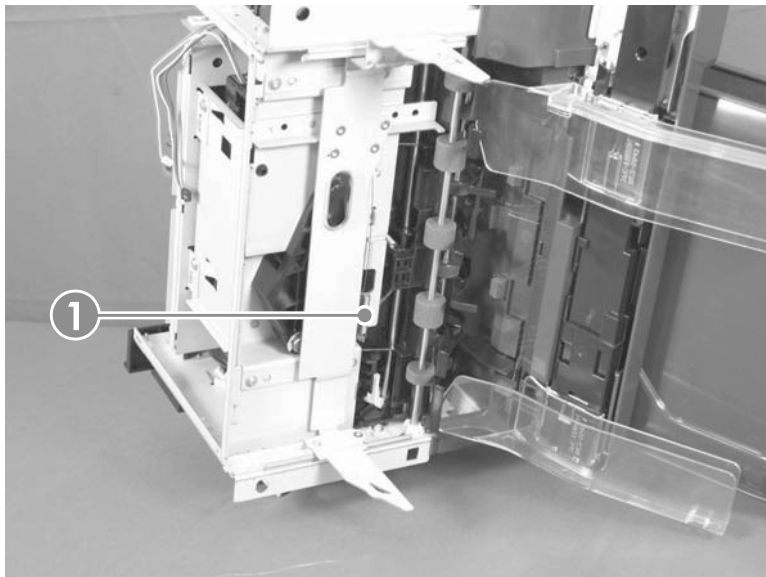
2. Disconnect two connectors.

Figure 1-497 Remove the output bin 3 drive assembly (stapling mailbox; 2 of 4)

3. Using a screwdriver to disengage the gear (callout 1) and then slide the tray support (callout 2) to remove it.

Figure 1-498 Remove the output bin 3 drive assembly (stapling mailbox; 3 of 4)
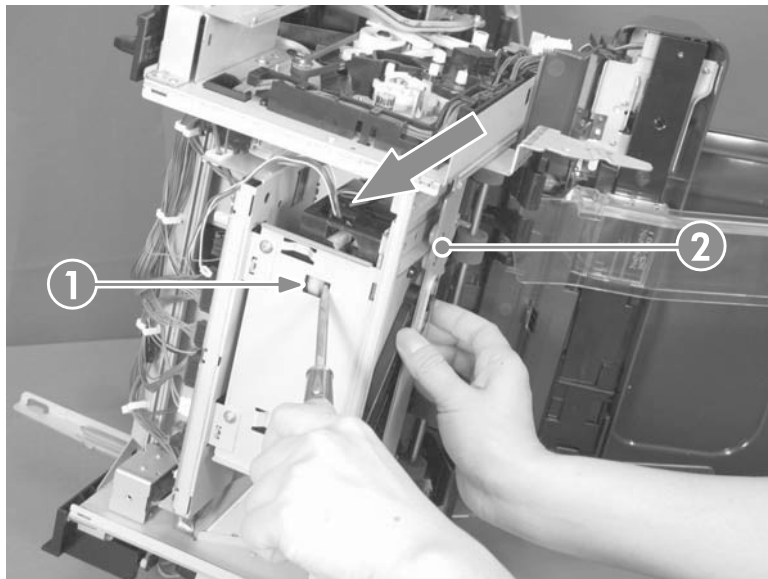
4. Remove four screws and then remove the output bin 3 drive assembly.

Figure 1-499 Remove the output bin 3 drive assembly (stapling mailbox; 4 of 4)

Stage-top sub-assembly (stapling mailbox)

Before proceeding, remove the following assemblies

- Front cover. See Front cover (stapling mailbox) on page 321.

- Rear cover. See Rear cover (stapling mailbox) on page 322.

- Top door. See Top door (stapling mailbox) on page 323.

- Top cover. See Top cover (stapling mailbox) on page 325.

- Stapler assembly. See Stapler assembly (stapling mailbox) on page 329.

- Output bin sensor PCA. See Output bin sensor PCA (stapling mailbox) on page 331.

- Jogger assembly. See Jogger assembly (stapling mailbox) on page 334.

- Flapper guide assembly. See Flapper guide assembly (stapling mailbox) on page 336.

- Flapper assembly. See Flapper assembly (stapling mailbox) on page 338.

- Output bin solenoid. See Output bin solenoid (stapling mailbox) on page 339.

- Output bin assembly. See Output bin assembly (stapling mailbox) on page 340.

Remove the stage-top sub-assembly (stapling mailbox)

1. Release one tab (callout 1), and then remove the gear stopper (callout 2).

   Reinstallation tip When the stopper is removed, the gears (callout 3) are not captive. If the gears are dislodged, use the figure below to reinstall them.

   Figure 1-500 Remove the stage-top sub-assembly (stapling mailbox; 1 of 14)
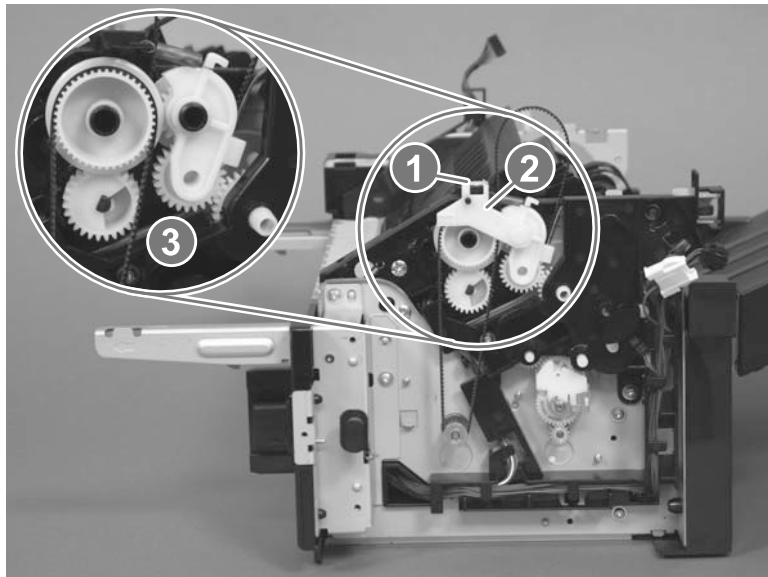
2. Remove one gear (callout 1) and remove one belt (callout 2).

Figure 1-501 Remove the stage-top sub-assembly (stapling mailbox; 2 of 14)
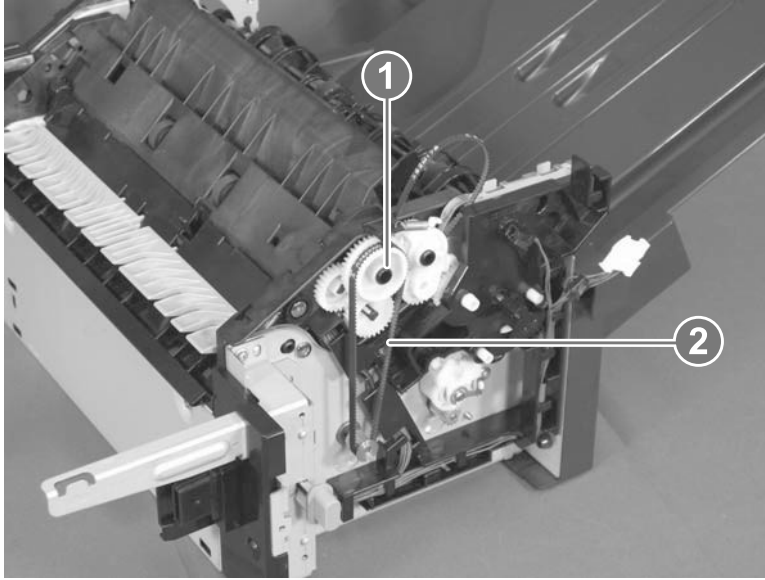
3. Remove one spring (callout 1) and the swing gear (callout 2).

Figure 1-502 Remove the stage-top sub-assembly (stapling mailbox; 3 of 14)

4. Remove one gear (callout 1) and one belt (callout 2).

Figure 1-503 Remove the stage-top sub-assembly (stapling mailbox; 4 of 14)

5. Remove two screws (callout 1). Slide the PCA cover in the direction of the arrow to remove it.

Figure 1-504 Remove the stage-top sub-assembly (stapling mailbox; 5 of 14)

6. Disconnect one connector (callout 1), and then release the wire harness from two retainers (callout 2).

Figure 1-505 Remove the stage-top sub-assembly (stapling mailbox; 6 of 14)
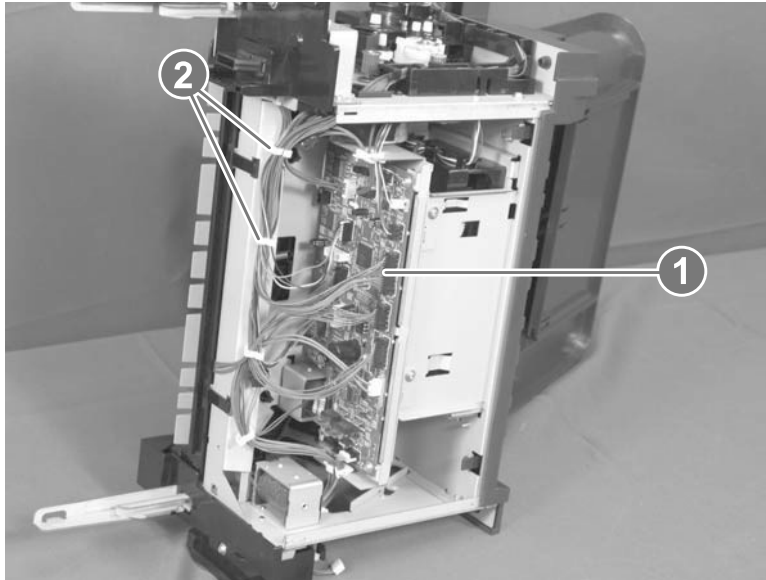
7. Disconnect one connector (callout 1). Release the cables (callout 2) from the guide (callout 3).

Figure 1-506 Remove the stage-top sub-assembly (stapling mailbox; 7 of 14)
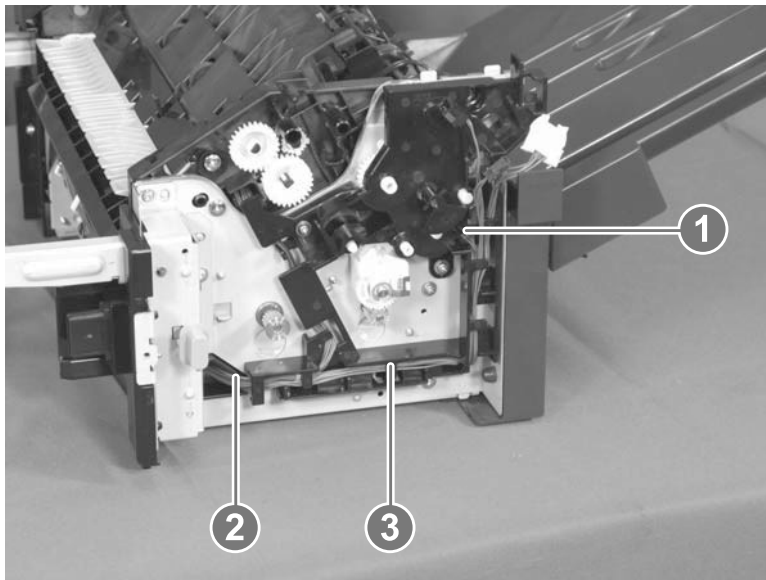
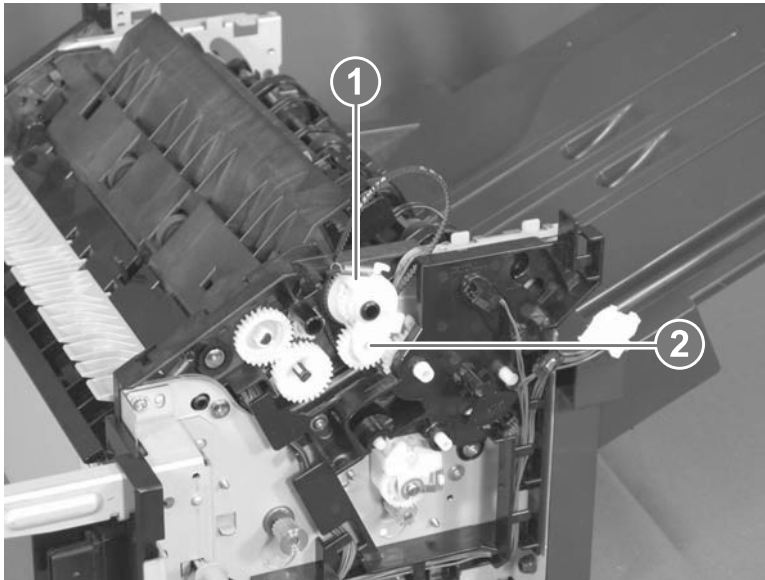8. Release one tab (callout 1), and remove the sensor flag (callout 2).

Figure 1-507 Remove the stage-top sub-assembly (stapling mailbox; 8 of 14)
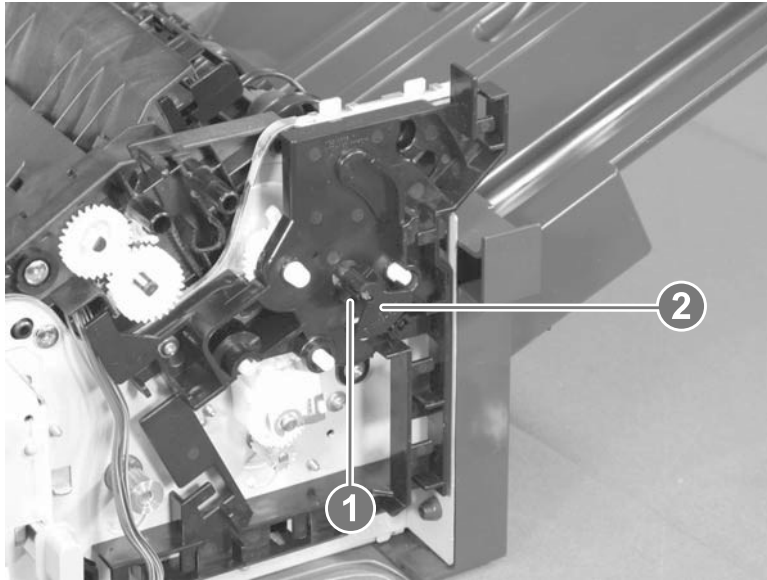
9. Remove two screws (callout 1), and then remove the cable guide and gear cover (callout 2).

📝 NOTE: The gears and belts behind this cover are not captive. If the gears or belts are dislodged when the cover is removed, see Reinstall the stage-top sub-assembly (stapling mailbox) on page 353 to replace them.

💡 TIP: Position the assembly so that the cover is face up before removing the screws to prevent the gears and belts from falling off when the cover is removed.

Figure 1-508 Remove the stage-top sub-assembly (stapling mailbox; 9 of 14)
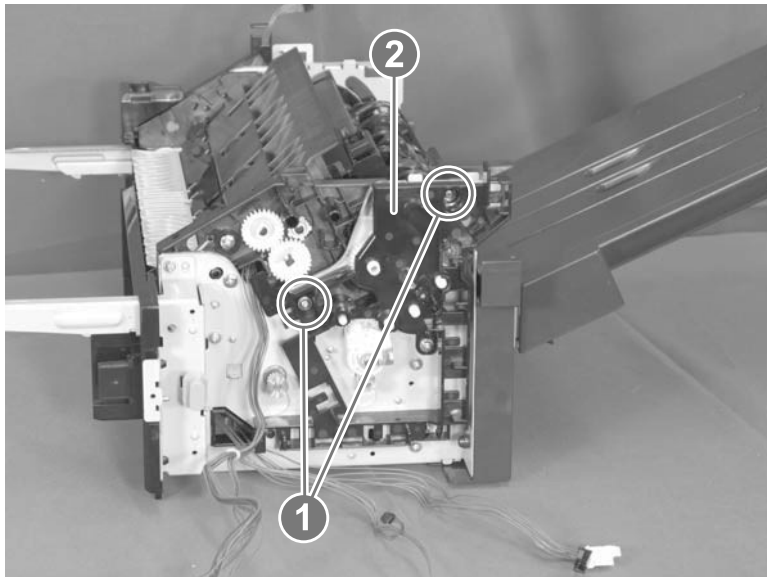
10. Remove two screws (callout 1), and then remove one gear (callout 2).

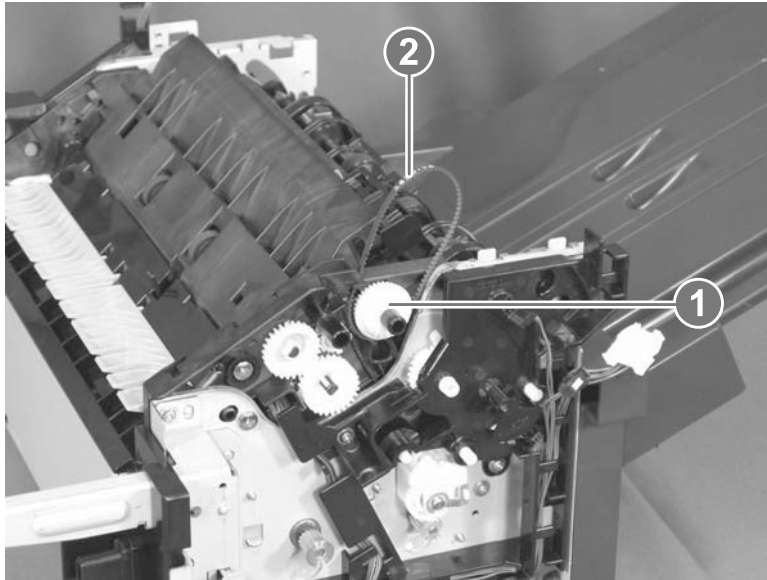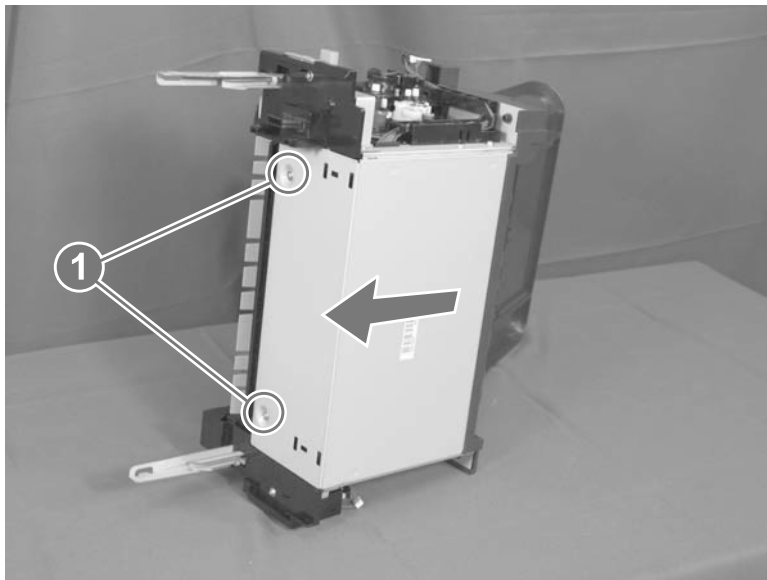Figure 1-509 Remove the stage-top sub-assembly (stapling mailbox; 10 of 14)
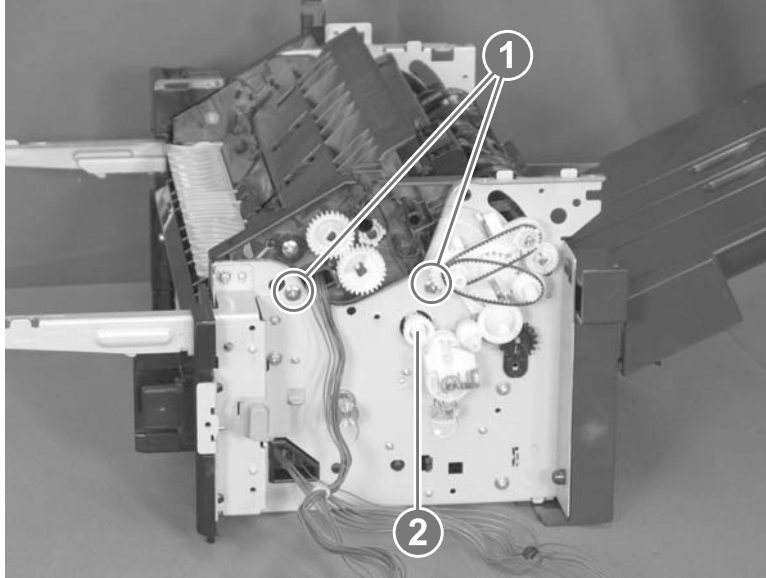
11. Release the cables (callout 1) from the cable guide (callout 2).

Figure 1-510 Remove the stage-top sub-assembly (stapling mailbox; 11 of 14)

12. Remove two screws (callout 1) and shift the cable guide (callout 2).

Figure 1-511 Remove the stage-top sub-assembly (stapling mailbox; 12 of 14)
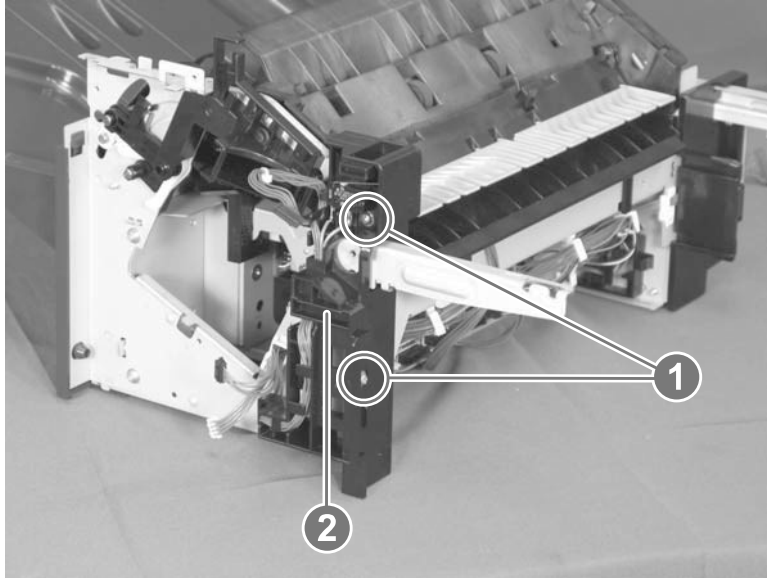
13. Remove one screw (callout 1), and then remove the cable guide (callout 2).

Figure 1-512 Remove the stage-top sub-assembly (stapling mailbox; 13 of 14)
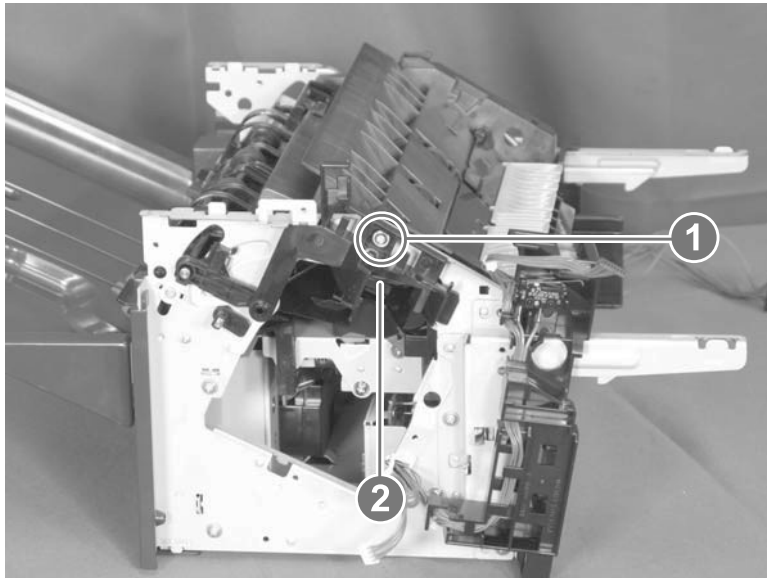
14. Release two locator pins (callout 1), and then remove the stage-top sub-assembly (callout 2).

Figure 1-513 Remove the stage-top sub-assembly (stapling mailbox; 14 of 14)

Reinstall the stage-top sub-assembly (stapling mailbox)

If the gears or belts are dislodged when the gear cover is removed, use the figure below to replace them in the correct positions.

Figure 1-514 Reinstall the stage-top sub-assembly (stapling mailbox; 1 of 2)
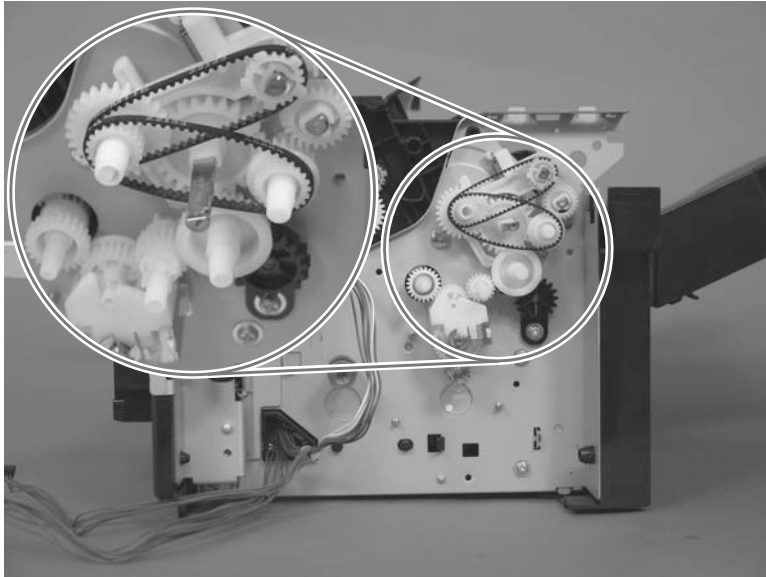
When reinstalling the stage-top sub-assembly, insert the guide (callout 1) on the stage-top sub-assembly under the shaft (callout 2) on the output bin 3 upper delivery roller.

Figure 1-515 Reinstall the stage-top sub-assembly (stapling mailbox; 2 of 2)

Stage assembly (stapling mailbox)

Before proceeding, remove the following assemblies

- Front cover. See Front cover (stapling mailbox) on page 321.

- Rear cover. See Rear cover (stapling mailbox) on page 322.

- Top door. See Top door (stapling mailbox) on page 323.

- Top cover. See Top cover (stapling mailbox) on page 325.

- Stapler assembly. See Stapler assembly (stapling mailbox) on page 329.

- Output bin sensor PCA. See Output bin sensor PCA (stapling mailbox) on page 331.

- Jogger assembly. See Jogger assembly (stapling mailbox) on page 334.

- Flapper guide assembly. See Flapper guide assembly (stapling mailbox) on page 336.

- Flapper assembly. See Flapper assembly (stapling mailbox) on page 338.

- Output bin solenoid. See Output bin solenoid (stapling mailbox) on page 339.

- Output bin assembly. See Output bin assembly (stapling mailbox) on page 340.

- Stage-top sub-assembly. See Stage-top sub-assembly (stapling mailbox) on page 345.

Remove the stage assembly (stapling mailbox)

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

   CAUTION: The tab (callout 1) is fragile and can be easily broken.

   Figure 1-516 Remove the stage assembly (stapling mailbox; 1 of 7)
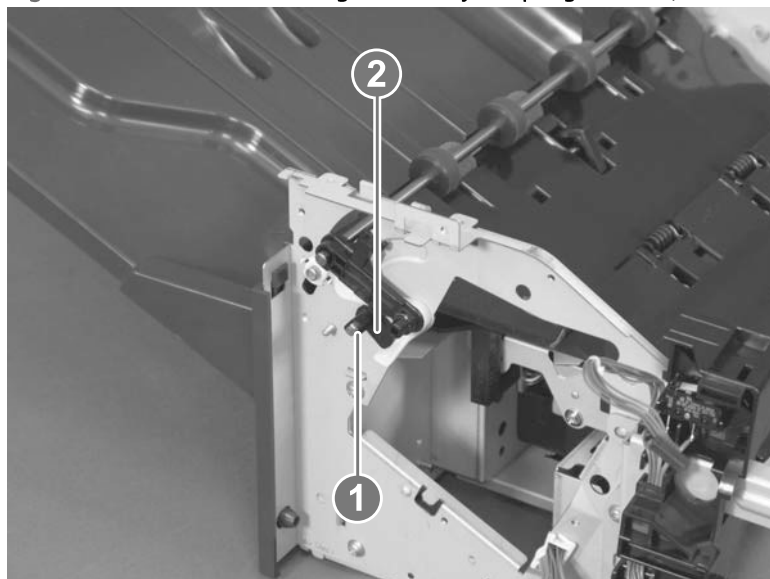
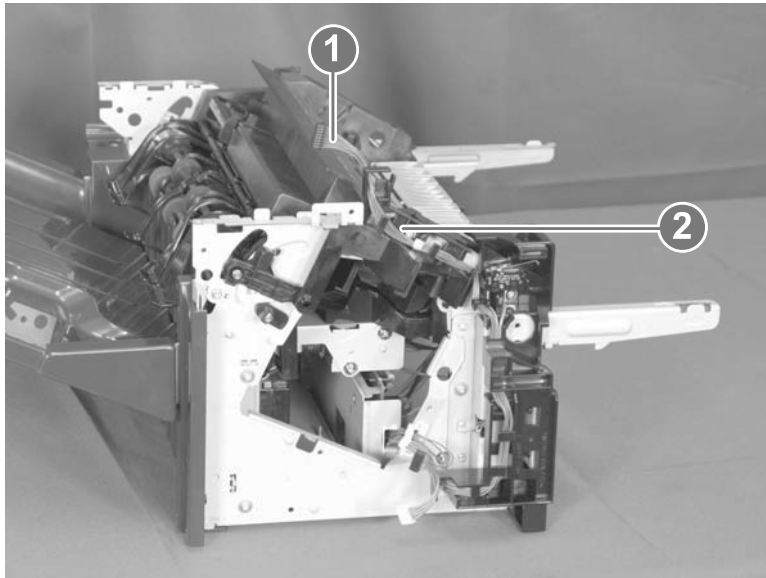**2.** Remove two belts (callout 1), and then remove three gears (callout 2).

Figure 1-517 Remove the stage assembly (stapling mailbox; 2 of 7)
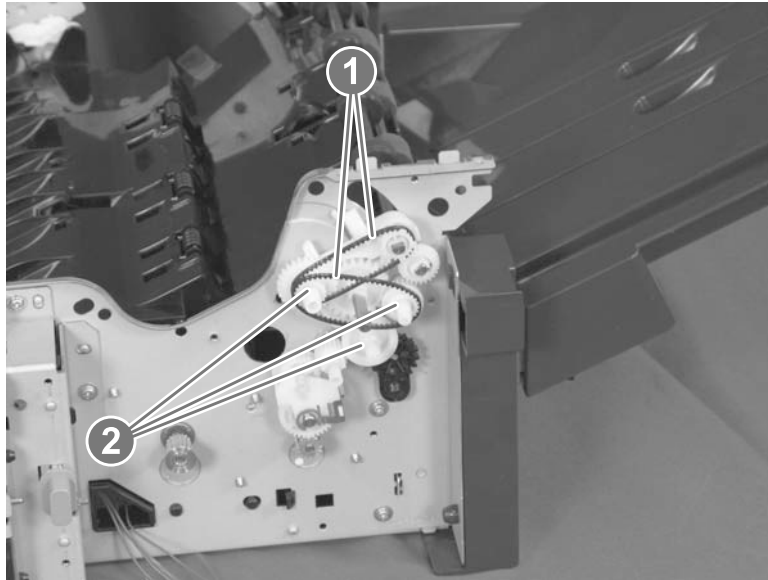
**3.** Pull out the shaft (callout 1).

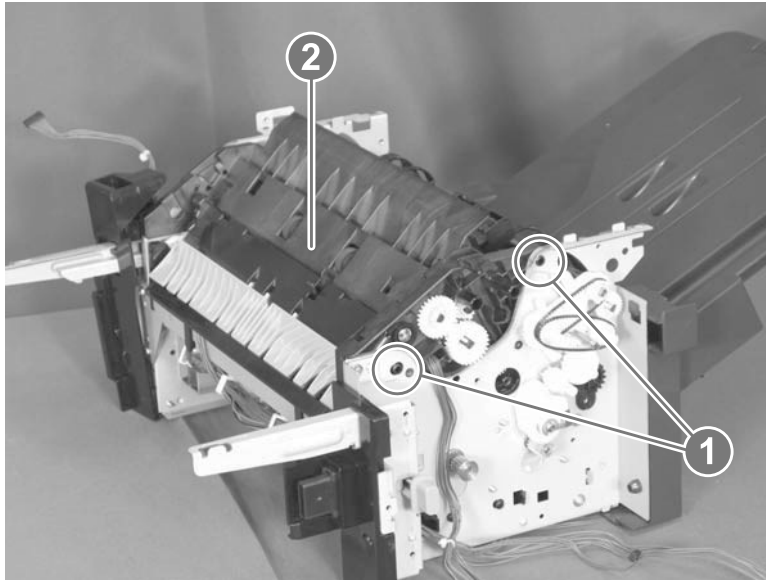Figure 1-518 Remove the stage assembly (stapling mailbox; 3 of 7)
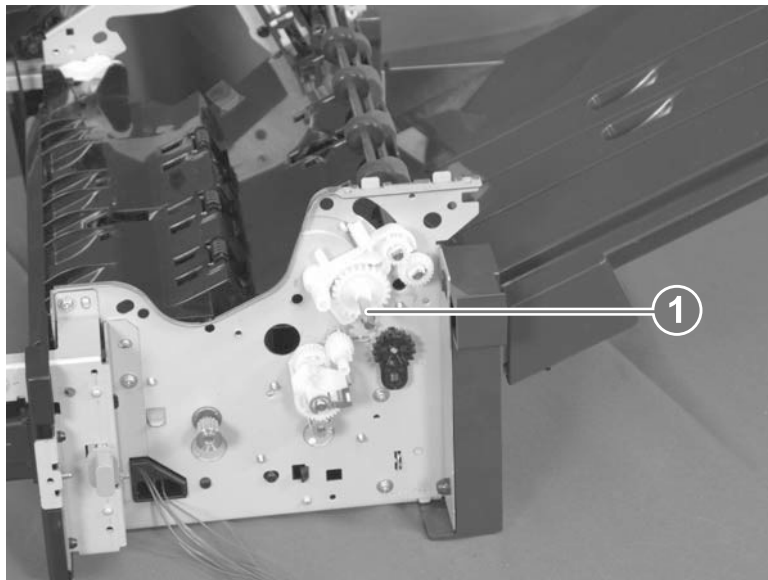
4. Remove one screw (callout 1), and shift the connector unit (callout 2).

Figure 1-519 Remove the stage assembly (stapling mailbox; 4 of 7)
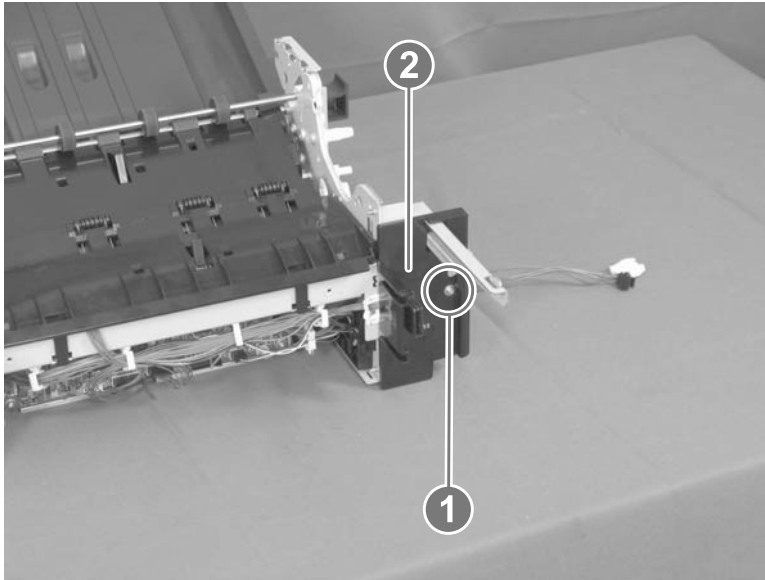
5. Disconnect one connector (callout 1).

Figure 1-520 Remove the stage assembly (stapling mailbox; 5 of 7)
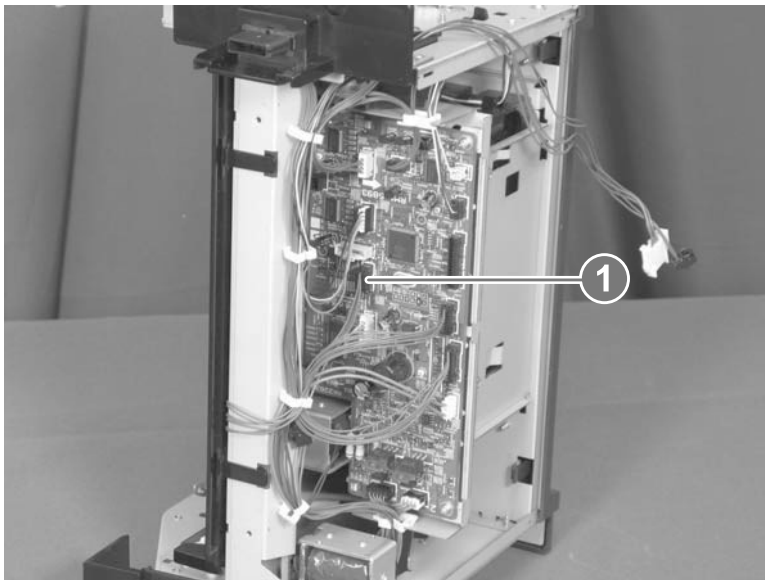
6. Release two tabs (callout 1), and then release the solenoid arm (callout 2). Slide the solenoid arm in the direction of the arrow to remove it.

Figure 1-521 Remove the stage assembly (stapling mailbox; 6 of 7)
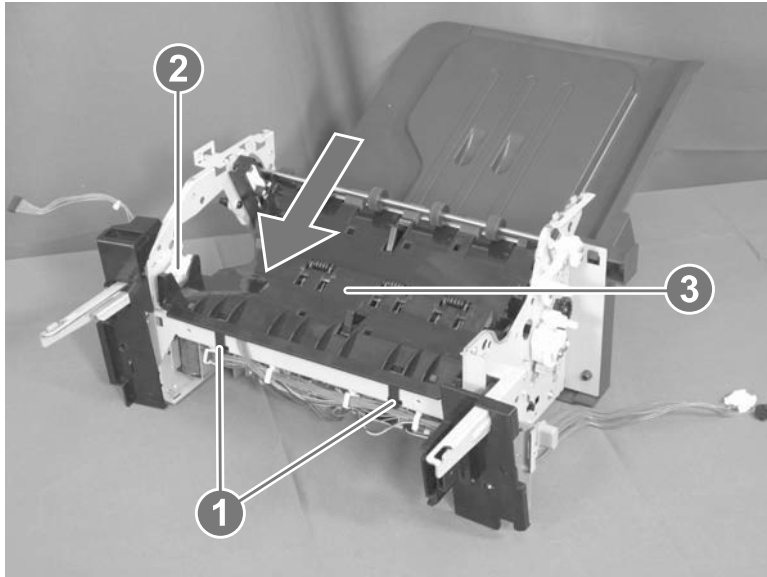
7. Remove one screw (callout 1), and then separate the stage unit (callout 2) from the stamp unit (callout 3).

Figure 1-522 Remove the stage assembly (stapling mailbox; 7 of 7)

Entrance solenoid (stapling mailbox)

Before proceeding, remove the following assemblies

- Front cover. See Front cover (stapling mailbox) on page 321.

- Rear cover. See Rear cover (stapling mailbox) on page 322.

- Top door. See Top door (stapling mailbox) on page 323.

- Top cover. See Top cover (stapling mailbox) on page 325.

- Stapler assembly. See Stapler assembly (stapling mailbox) on page 329.

- Output bin sensor PCA. See Output bin sensor PCA (stapling mailbox) on page 331.

- Jogger assembly. See Jogger assembly (stapling mailbox) on page 334.

- Flapper guide assembly. See Flapper guide assembly (stapling mailbox) on page 336.

- Flapper assembly. See Flapper assembly (stapling mailbox) on page 338.

- Output bin solenoid. See Output bin solenoid (stapling mailbox) on page 339.

- Output bin assembly. See Output bin assembly (stapling mailbox) on page 340.

- Stage-top sub-assembly. See Stage-top sub-assembly (stapling mailbox) on page 345.

- Stage assembly. See Stage assembly (stapling mailbox) on page 354.

Remove the entrance solenoid (stapling mailbox)

1. Release two tabs and remove the switch (callout 1). Release the cables (callout 2), and remove the cable guide (callout 3).

   Figure 1-523 Remove the entrance solenoid (stapling mailbox; 1 of 3)

2. Remove two screws (callout 1), and then remove the joint arm (callout 2).

Figure 1-524 Remove the entrance solenoid (stapling mailbox; 2 of 3)
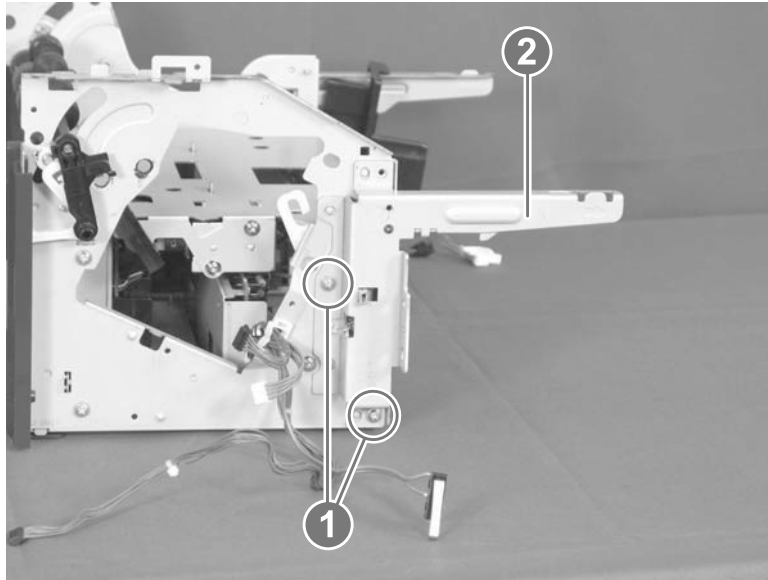
3. Disconnect one connector (callout 1), remove two screws (callout 2), and remove the entrance solenoid (callout 3).

Figure 1-525 Remove the entrance solenoid (stapling mailbox; 3 of 3)
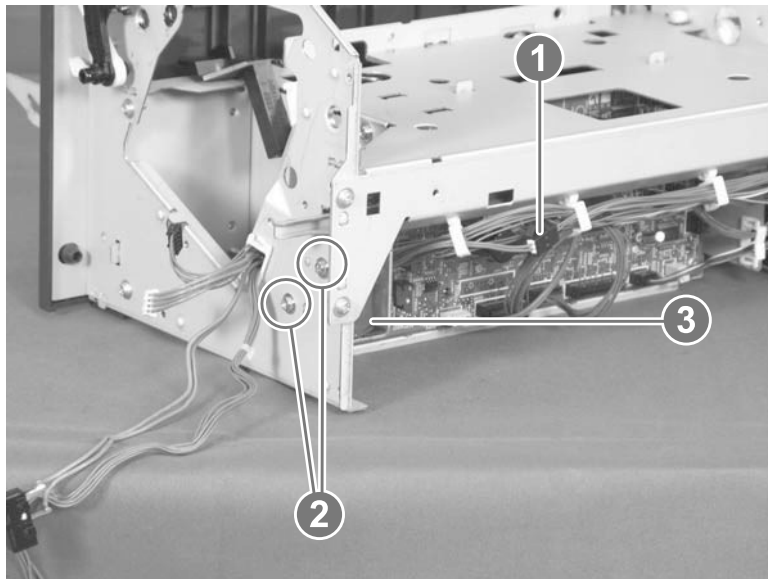
Feed motor (stapling mailbox)

Before proceeding, remove the following assemblies

- Front cover. See Front cover (stapling mailbox) on page 321.

- Controller PCA. See Output bin 3 driver PCA (stapling mailbox) on page 327.

- Stapler assembly. See Stapler assembly (stapling mailbox) on page 329.

- Stamp solenoid. See Stamp solenoid (stapling mailbox) on page 330.

Remove the feed motor (stapling mailbox)

1. Release the cables (callout 1) from the cable guide (callout 2).

   Figure 1-526 Remove the feed motor (stapling mailbox; 1 of 3)
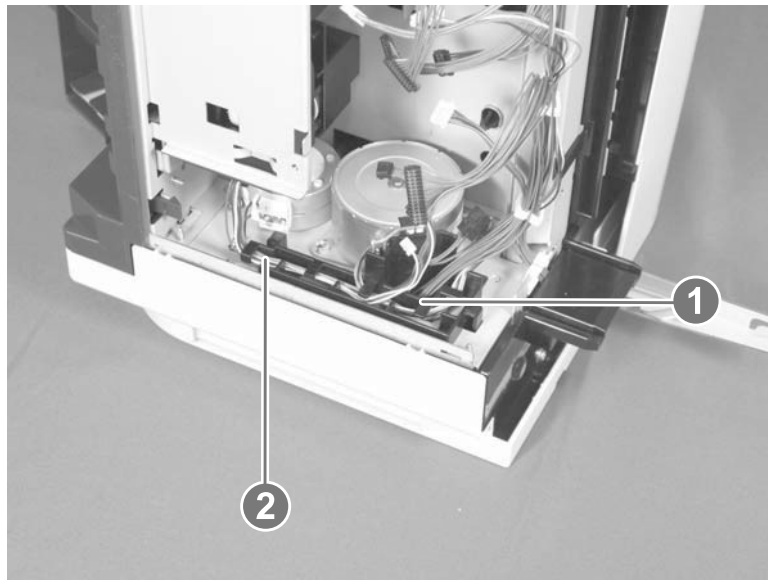
2. Release two tabs (callout 1), and then remove the cable guide (callout 2).

Figure 1-527 Remove the feed motor (stapling mailbox; 2 of 3)
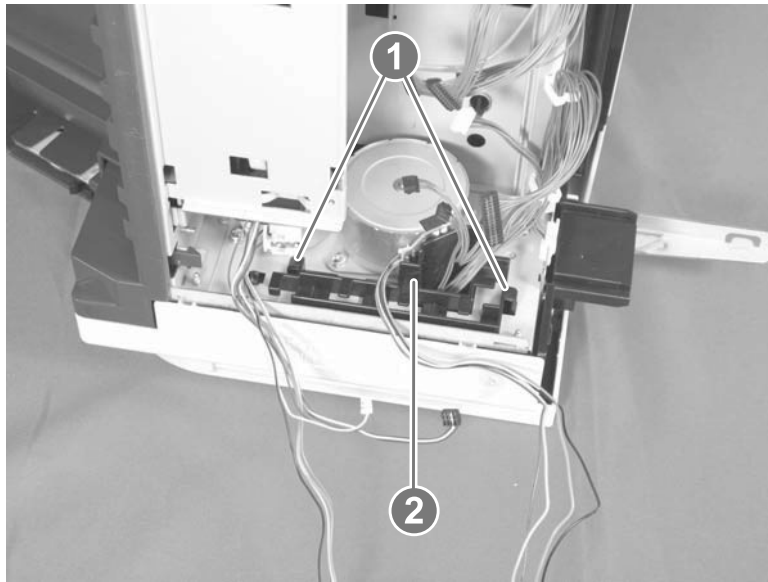
3. Remove two screws (callout 1). Slide the feed motor (callout 2) in the direction of the arrow to remove it.

Figure 1-528 Remove the feed motor (stapling mailbox; 3 of 3)
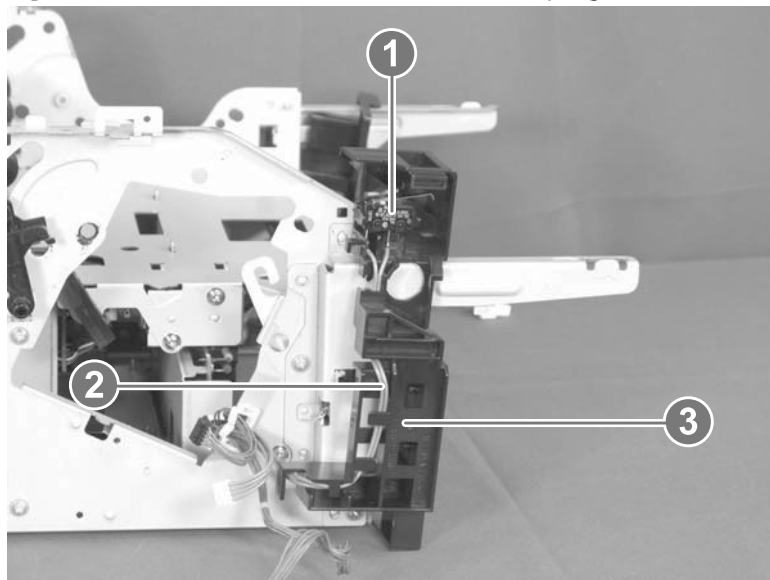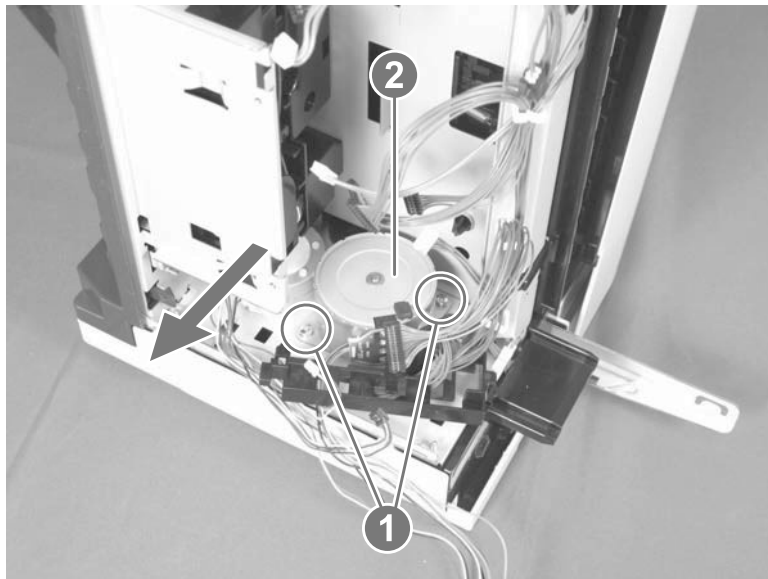
Paddle motor (stapling mailbox)

Before proceeding, remove the following assemblies

- Front cover. See Front cover (stapling mailbox) on page 321.

- Rear cover. See Rear cover (stapling mailbox) on page 322.

- Output bin 3. See Output bin 3 (stapling mailbox) on page 326.

- Controller PCA. See Output bin 3 driver PCA (stapling mailbox) on page 327.

- Stapler assembly. See Stapler assembly (stapling mailbox) on page 329.

- Stamp solenoid. See Stamp solenoid (stapling mailbox) on page 330.

- Stacking panel. See Stacking panel (stapling mailbox) on page 333.

- Feed motor. See Feed motor (stapling mailbox) on page 360.

Remove the paddle motor (stapling mailbox)

▲ Remove two screws (callout 1). Slide the paddle motor (callout 2) in the direction of the arrow to remove it.

Figure 1-529 Remove the paddle motor (stapling mailbox)
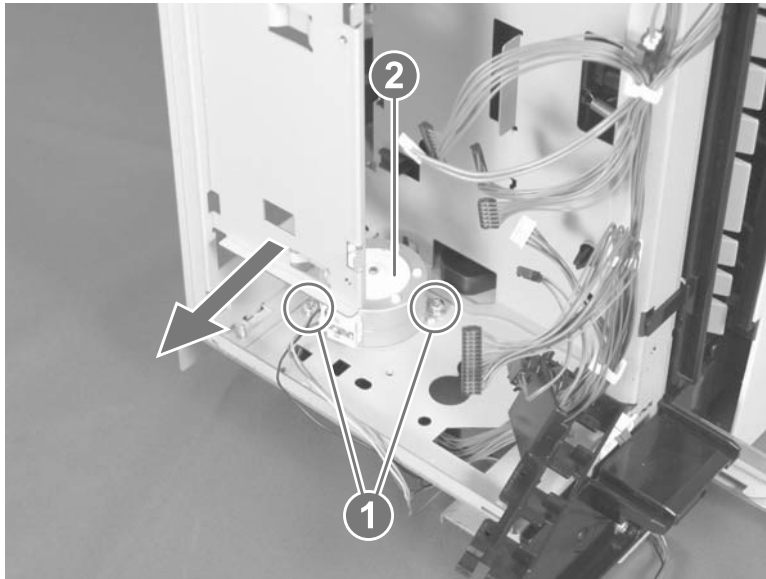
2 Parts and diagrams

Order parts by authorized service providers

Order parts, accessories, and supplies

Table 2-1 Order parts, accessories, and supplies

Order supplies and paper	www.hp.com/go/suresupply
Order genuine HP parts or accessories	www.hp.com/buy/parts
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.

Related documentation and software

Table 2-2 Related documentation and software

Item	Description	Part number
HP Color LaserJet Enterprise M651 User Guide	Product user guide	CZ255-90907 (M651)
HP Color LaserJet Enterprise MFP M680 User Guide		CZ248-90907 (M680)
HP Color LaserJet Enterprise M651/MFP M680 Repair Manual	English repair manual	Not applicable
HP Color LaserJet Enterprise M651/MFP M680 Troubleshooting Manual	English troubleshooting manual	Not applicable

Supplies part numbers

Table 2-3 Supplies part numbers

Item	Description	Part number
HP LaserJet toner cartridges (M651)	Black toner cartridge, high capacity	CF330X (new)
		CF330-67901 (service)
	Black toner cartridge	CF320A (new)
		CF320-67901 (service)
	Cyan toner cartridge	CF331A (new)
		CF331-67901 (service)
	Yellow toner cartridge	CF332A (new)
		CF332-67901 (service)
	Magenta toner cartridge	CF333A (new)
		CF333-67901 (service)
HP LaserJet toner cartridges (M680)	Black toner cartridge, high capacity	CF320X (new)
		CF320-67902 (service)
	Black toner cartridge	CF320A (new)
		CF320-67901 (service)
	Cyan toner cartridge	CF321A (new)
		CF321-67901 (service)
	Yellow toner cartridge	CF322A (new)
		CF322-67901 (service)
	Magenta toner cartridge	CF323A (new)
		CF323-67901 (service)

Customer self-repair parts

The following customer self-repair parts are available for the product.

Each kit includes parts and installation instructions. The customer self repair (CSR) level indicates the expected difficulty the customer will experience when replacing this part:

- **A**: Easy

- **B**: Difficult

Table 2-4 Customer self-repair parts

Item	Description		CSR level	Part number
Control panel replacement kit (M651)	●	Control panel assembly (M651)	A	5851-5950
Control panel replacement kit (M680)	●	Control panel assembly (M680)	A	5851-5952
Stapling mailbox replacement kit	●	900-sheet, 3-bin stapling mailbox	A	CZ248-67902
Stapler cartridge replacement kit	●	HP staple cartridge refill	A	C8085-60541
1x500-sheet paper feeder kit	●	500-sheet paper tray	A	CZ248-67903
1x500-sheet paper feeder with cabinet kit	●	500-sheet paper feeder and cabinet	A	CZ248-67904
2,500-sheet paper feeder HCI	●	2,500-sheet feeder accessory	A	CZ248-67905
HP LaserJet postcard media insert tray	●	HP LaserJet postcard media insert tray	A	CC497-67902
Formatter replacement kit (M651)	●	Formatter PCA	A	CZ255-67901
	●	Formatter tray		
	●	Disk drive cradle		
	●	Screw, M3 x 5.6 MM		
Formatter replacement kit (China only; M651)	●	Formatter PCA	A	CZ255-67902
	●	Formatter tray		
	●	Disk drive cradle		
	●	Screw, M3 x 5.6 MM		
Formatter replacement kit (M680)	●	Formatter PCA	A	CZ248-67901
	●	Formatter tray		
	●	Disk drive cradle		
	●	Screw, M3 x 5.6 MM		
Formatter replacement kit (China only; M680)	●	Formatter PCA	A	CZ248-67906
	●	Formatter tray		
	●	Disk drive cradle		
	●	Screw, M3 x 5.6 MM		

Table 2-4 Customer self-repair parts (continued)

Item	Description		CSR level	Part number
Analog fax accessory kit (M680)	●	HP LaserJet MFP Analog Fax Accessory 500	A	A2W77-67910
USB wireless print server kit	●	Wireless Print Server	A	J8026-61001
NFC accessory kit	●	NFC accessory	A	J8029-61001
Hard disk drive replacement kit	●	320 GB hard drive	B	CZ248-67907
	●	Rail, disk drive - L/R		
Hard disk drive replacement kit (government SKU)	●	500 GB FIPS - Gov't SKU #201 hard drive	B	CZ248-67908
	●	Rail, disk drive - L/R		
Solid-state memory (SSM) kit (M651)	●	8 GB SSM module	B	CZ255-67903
	●	SSM retainer bracket		
1 GB memory DIMM	●	1 GB memory DIMM	A	A2W77-67912
ADF roller maintenance kit (M680)	●	ADF roller replacement kit	A	L2725-60002
Maintenance image transfer kit	●	Image transfer kit	A	CC493-67910
Toner collection unit kit	●	Toner collection unit	A	CC493-67913
Fuser replacement kit NOTE: Make sure to order the correct part number for the rated voltage of the product.	●	Fuser	A	CC493-67911 (110V) CC493-67912 (220V)
Tray 1 roller kit	●	Tray 1 pickup roller	A	CC493-67906
Tray 2–5 feed/separation roller kit	●	Paper feed/separation rollers	A	CC493-67907
Output bin bezel assembly	●	Tray cover	A	CZ248-67912
Intermediate transfer belt (ITB) service kit	●	Intermediate transfer belt (ITB)	A	CC493-67909
	●	Secondary transfer (T2) roller assembly		
Secondary transfer (T2) roller kit	●	Secondary transfer (T2) roller assembly	A	CC493-67908
ADF white backing kit (M680)	●	ADF white backing	A	5851-6084
	●	Mylar		
Backside background selector kit (M680)	●	Backside background selector	A	5851-5022
Separation pad spring kit	●	Separation pad spring	A	5851-4879
U.S. English keyboard kit (M680)	●	U.S. English keyboard	A	5851-5380

Table 2-4 Customer self-repair parts (continued)

Item	Description	CSR level	Part number
U.K. English keyboard kit (M680)	● U.K. English keyboard	A	5851-5008
Keyboard overlay kit (M680)	● Keyboard overlay	A	5851-6019 (FR, IT, RU, DE, ES: UK Kybd)
			5851-6020 (FR-CN, ES-LA, ES: US Kybd)
			5851-6021 (FR-SW, DE-SW, DA: UK Kybd)
			5851-6022 (ZHTW, ZHCN)
			5851-6023 (ES, PT)
			5851-6024 (JA-KG, JA-KT)

Service replacement parts

Table 2-5 Service replacement parts

Item	Description	Part number
Main drive assembly kit	● Main drive assembly	CC493-67915
Laser scanner assembly service kit	● Laser scanner assembly	CZ248-67913
Registration assembly service kit	● Registration assembly	CZ255-67904
Scan control board (SCB) kit (M680)	● SCB assembly	CZ248-67914
Scan control board (SCB) fan assembly kit (M680)	● SCB cooling fan ● SCB cooling fan foam	5851-6083
Image scanner whole unit kit (M680)	● Image scanner whole unit ● ADF white backing ● Mylar	CZ248-67915
ADF whole unit kit (M680)	● ADF whole unit ● ADF white backing	CZ248-67916
Mylar kit (M680)	● Mylar separator HR ● Mylar deskew	5851-4998

Accessories

Table 2-6 Accessories

Item	Description	Part number
500-sheet paper tray	Input tray accessory	CZ261
500-sheet paper feeder and cabinet	Input tray and storage cabinet accessory	CZ262

Table 2-6 Accessories (continued)

Item	Description	Part number
2,500-sheet high-capacity input (HCI) feeder	2,500-sheet feeder accessory	CZ263
Stapling mailbox	900-sheet, 3-bin stapling mailbox accessory	CZ264
HP LaserJet MFP analog fax accessory 500	Analog fax accessory	CC487A
HP LaserJet postcard media insert tray	Tray insert for printing small-size paper	CC497A
HP Jetdirect 2700w USB wireless print server	Accessory for wireless printing	J8026A
HP Jetdirect 2800w NFC/wireless direct accessory	Wireless direct accessory for "touch" printing from mobile devices	J8029A

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. Doing so will ensure that the part number selected is for the correct 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.

Document feeder and scanner assemblies

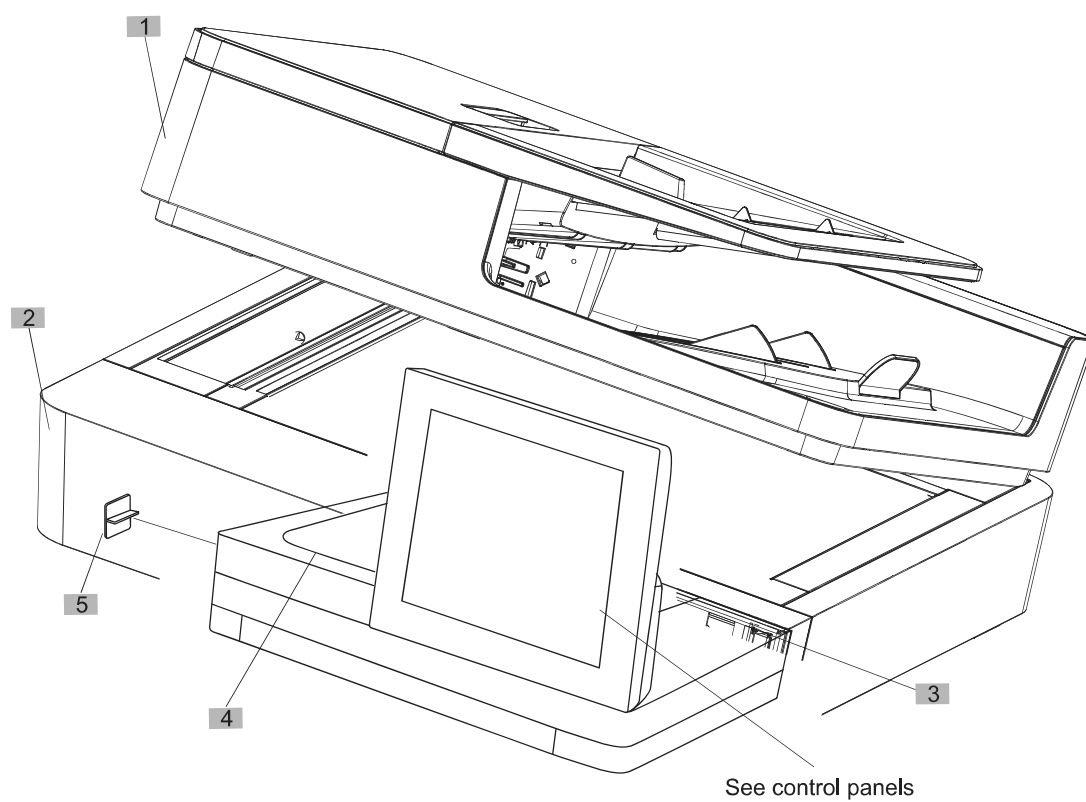Figure 2-1 Document feeder and scanner assemblies (M680)

See control panels

Table 2-7 Document feeder and scanner assemblies (M680)

Ref	Description	Part number	Qty
1	Kit, document feeder, complete with white backing (M680)[1]	CZ248-67916	1
2	Kit, image scanner assembly, complete with white backing (M680)[2]	CZ248-67915	1
3	Cover, control panel access (M680)	5042-9118	1
4	Cover, HIP (M680)	5851-5361	1
5	Cover, USB (M680)	5851-5360	1

[1] When the document feeder assembly is replaced, use the Service menu to set the Document feeder Kit Interval, ADF Count, and Clean Rollers Count values to zero.

[2] When the image scanner assembly is replaced, use the Service menu to set the Flatbed Count value to zero.