



# COLOR LASERJET PRO MFP

## Repair Manual



**M176**



**M177**





# HP Color LaserJet Pro MFP M176, M177

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](#)
- [Service approach](#)
- [Removal and replacement procedures](#)

# 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.

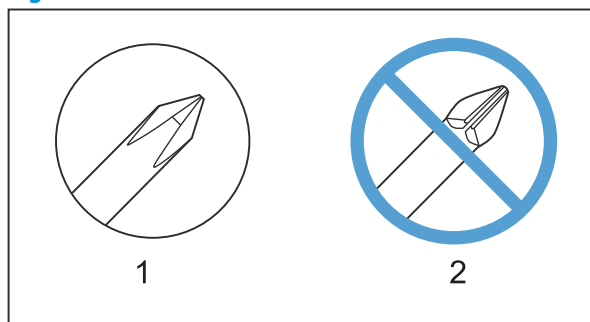
**NOTE:** To install a self-tapping screw, first turn it counterclockwise to align it with the existing thread pattern, and then carefully turn it clockwise to tighten. Do not overtighten. If a self-tapping screw-hole becomes stripped, repair the screw-hole or replace the affected assembly.

## Required tools


- #2 Phillips screwdriver with a magnetic tip and a 152-mm (6-inch) shaft length
- Small flat-blade screwdriver
- Torx® drivers, sizes T8, T9, and T10
- 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.

---

# Service approach

## Before performing service

---

**⚠ WARNING!** Turn the product off, wait 5 seconds, and then remove the power cord before attempting to service the product. *If this warning is not followed, severe bodily injury and damage to the device can result.* The power must be on for certain functional checks during troubleshooting. However, the power supply should be disconnected during parts removal.

---

- Remove the toner cartridges. See [Toner cartridges on page 5](#).
- Remove the imaging drum. See [Imaging drum on page 7](#).
- Remove all paper.
- Remove the dust cover, input tray, and extension tray. See [Dust cover, input tray, and extension tray on page 9](#).
- Place the product on an ESD mat (if available).

## After performing service

- Reinstall the dust cover, input tray, and extension tray.
- Return all paper to the tray.
- Plug in the power cable and turn on the product.
- Reinstall the toner cartridges.
- Reinstall the imaging drum.

## Parts removal order

If multiple components must be removed to gain access to an assembly, the first step of the removal procedure lists all of the components that must be removed to gain access to that assembly. Use these lists to determine which parts must be removed before removing other parts.

# Removal and replacement procedures

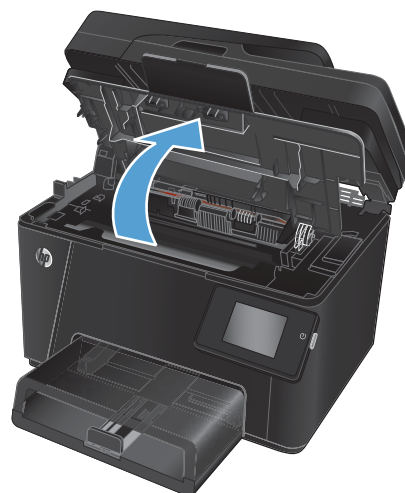
## Customer-replaceable parts

### Toner cartridges

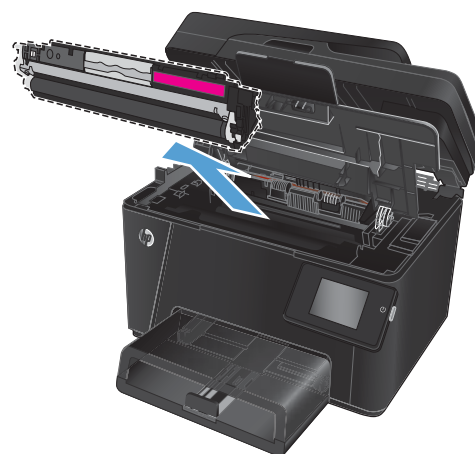
1. Lift the scanner assembly.



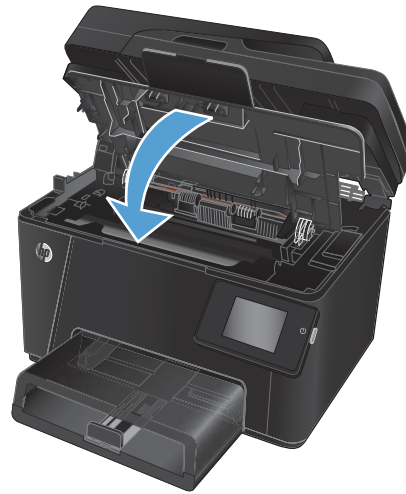
2. Open the top cover.




3. Remove the toner cartridge.

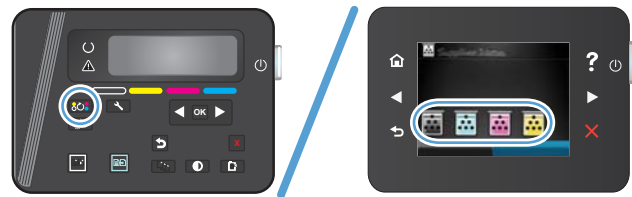


4. Close the top cover.



5. Rotate to the next cartridge to be removed.

- **LCD Control panel:** Press the Rotate Cartridges  button to move to the next cartridge. Repeat this process until all the toner cartridges are removed.
- **Touchscreen control panel:** Touch the Supply icon for the cartridge to be removed. The cartridges rotate to the selected cartridge. Repeat this process until all the toner cartridges are removed.

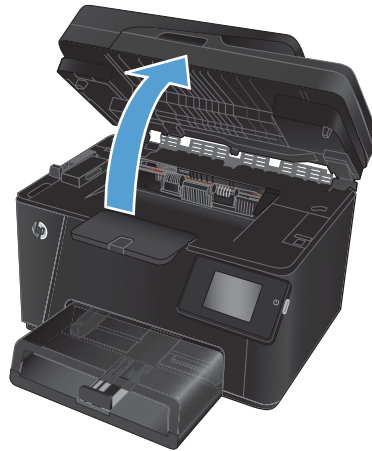


**NOTE:** The top cover must be closed to rotate the cartridges.

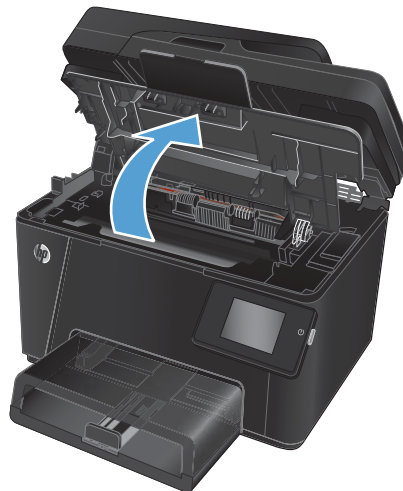


## Imaging drum

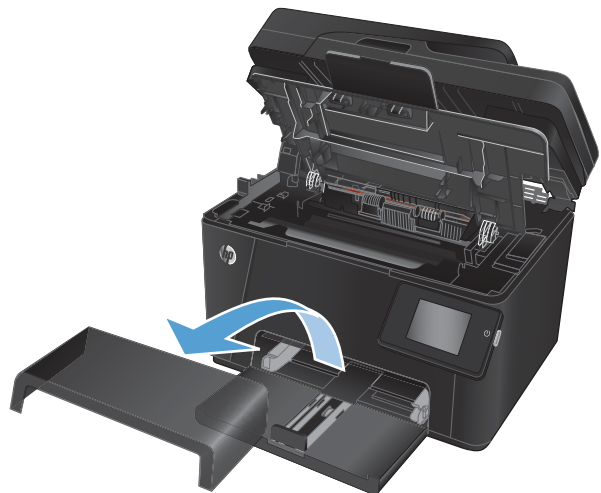
1. Lift the scanner assembly.



2. Open the drum cover.



3. Remove the dust cover from the tray.



4. Open the front cover.



5. Lift the two levers that hold the imaging drum.



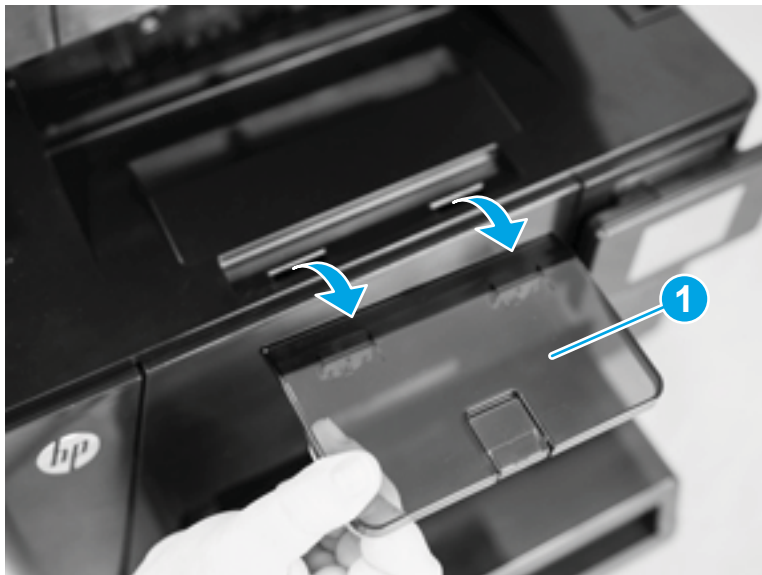
6. Remove the imaging drum.



## Dust cover, input tray, and extension tray

1. Lift the extension tray (callout 1) away from the product.

**Figure 1-2** Remove the extension tray



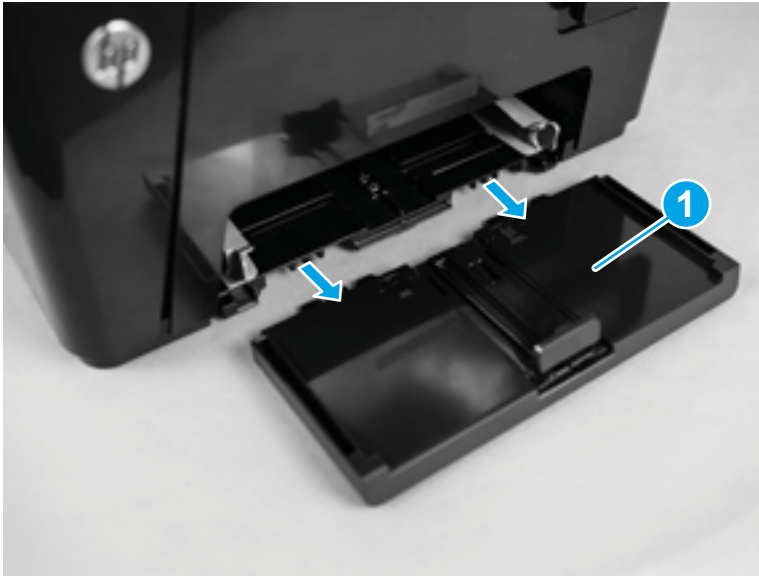
2. Lift the dust cover (callout 1) away from the product.

**Figure 1-3** Remove the dust cover




3. Pull the input tray (callout 1) out from the front of the product and remove it.

**Figure 1-4** Remove the input tray



---

 **Reinstallation tip** When reinstalling the input tray, align the tabs on the tray with the slots on the product.

---

## Separation pad assembly

Before proceeding, remove the following components:

- Dust cover, input tray, and extension tray. See [Dust cover, input tray, and extension tray on page 9](#).

### Remove the separation pad assembly

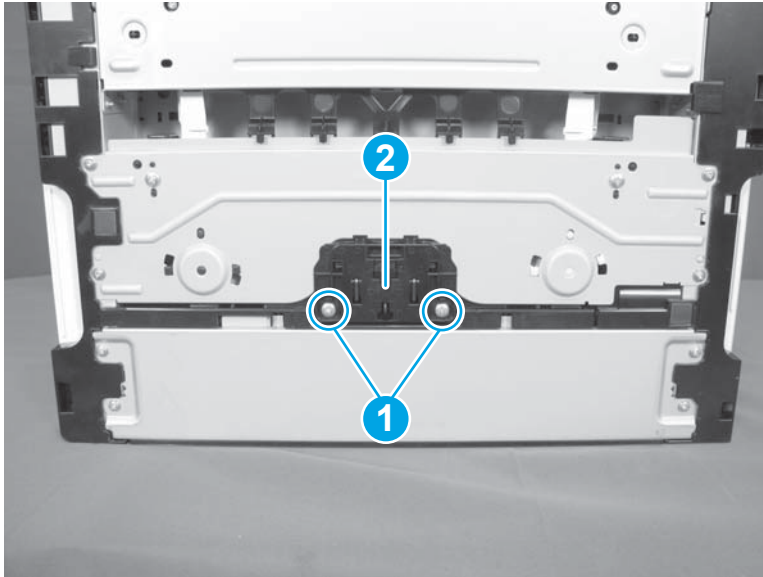
1. Rotate the product onto the rear side.

**⚠ WARNING!** The ADF portion of the document feeder is not captive and can open when the product is placed face up. Make sure to support the ADF when handling the product.

**📝 NOTE:** Dirt and debris can scratch the surface of the product. Make sure to place the product face up on a clean work space or on a clean soft cloth.

2. Remove two screws (callout 1) and the separation pad assembly (callout 2).

**Figure 1-5** Remove the separation pad assembly

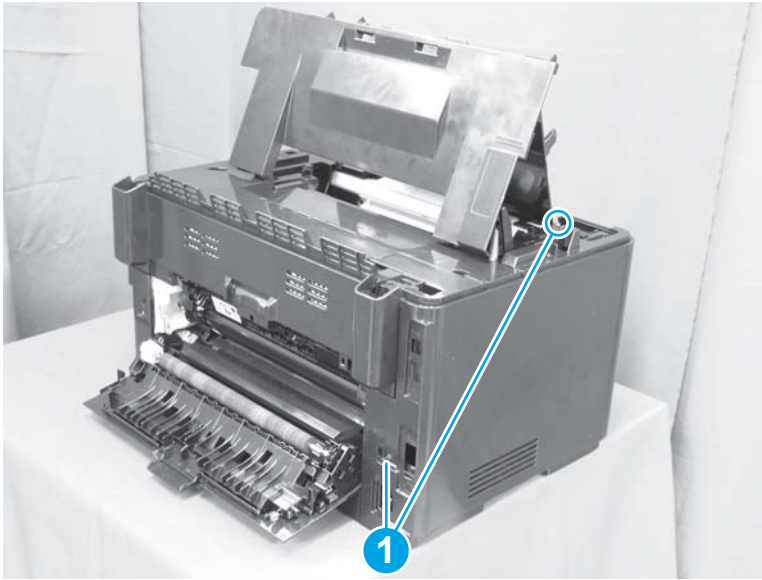


## Covers and external components

### Left cover

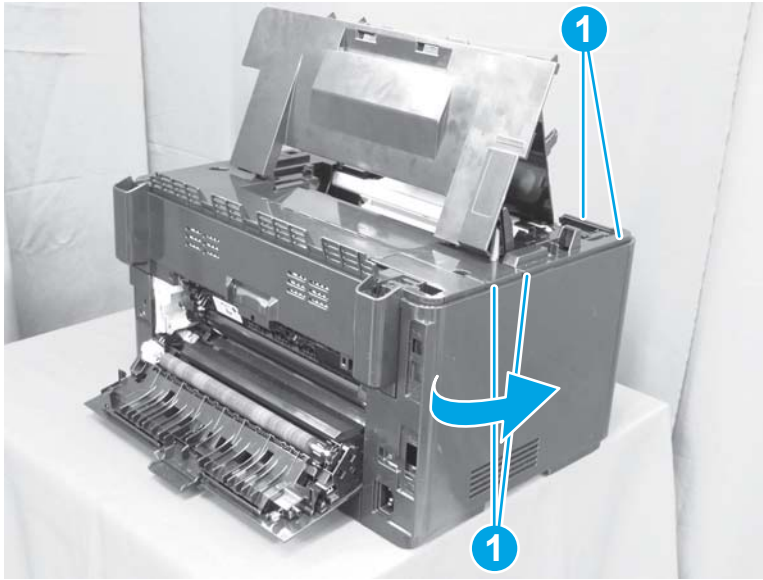
1. Open the following doors:
  - Rear door
  - Front door
  - Top door
2. Remove two screws (callout 1).


**Figure 1-6** Remove the left cover (1 of 3)



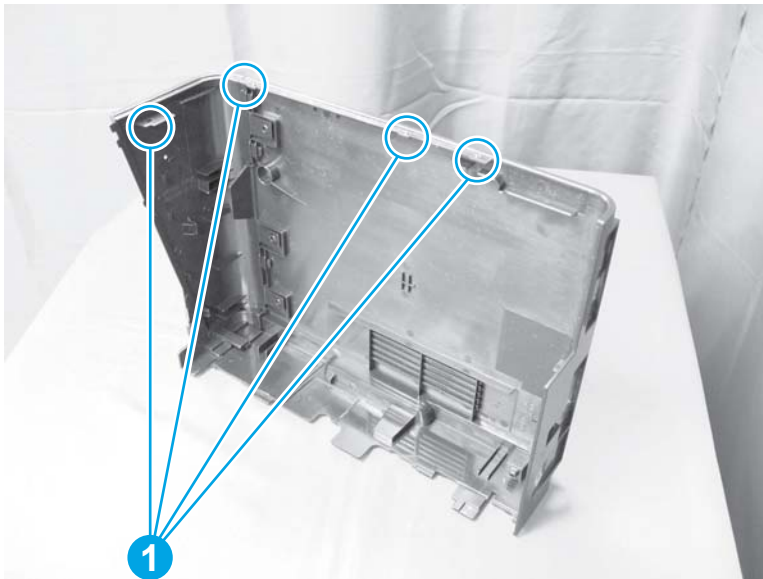
3. Starting at the rear vertical edge, release four tabs (callout 1) and remove the left cover.

**Figure 1-7** Remove the left cover (2 of 3)



 **NOTE:** Before proceeding, take note of the locations of the tabs (callout 1) on the back side of the cover. When reinstalling the left cover, align all of the tabs with the slots.

**Figure 1-8** Remove the left cover (3 of 3)





## Document feeder, scanner, and flat cable cover (M177 model only)

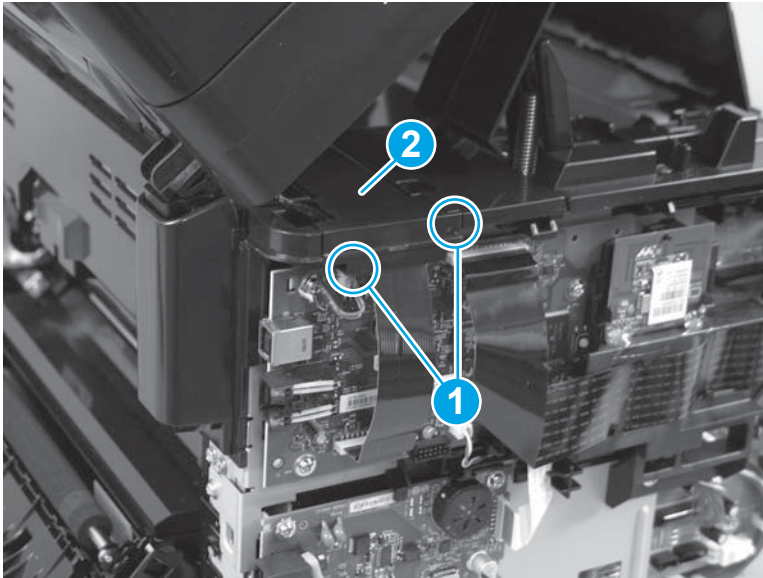
Before proceeding, remove the following components:

- Dust cover, input tray, and extension tray. See [Dust cover, input tray, and extension tray on page 9](#).
- Left cover. See [Left cover on page 12](#).

### Remove the document feeder, scanner, and flat cable cover

1. Release two tabs (callout 1), and then remove the flat cable cover (callout 2).

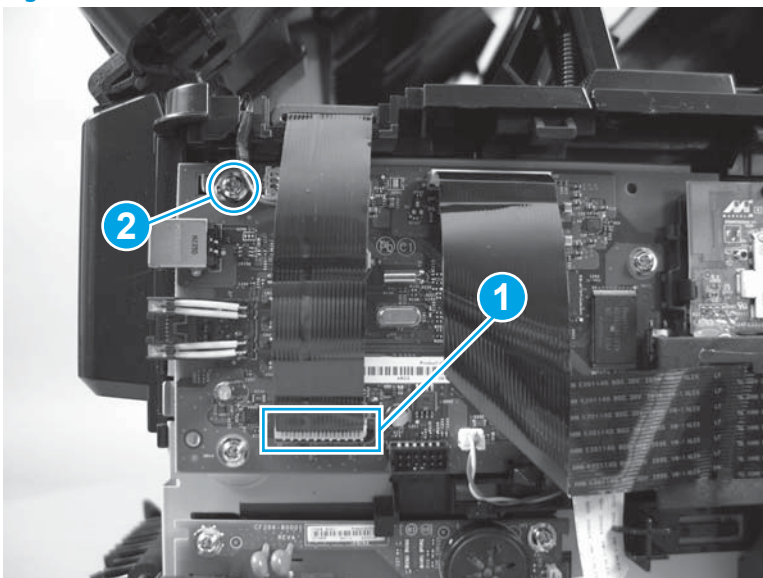
**Figure 1-9** Remove the flat cable cover for the M177 model



2. Disconnect one FFC (callout 1), and remove one grounding screw (callout 2).

**CAUTION:** Do not bend or fold the flat flexible cables (FFCs) during removal or installation. Also, do not straighten pre-folds in the FFCs.

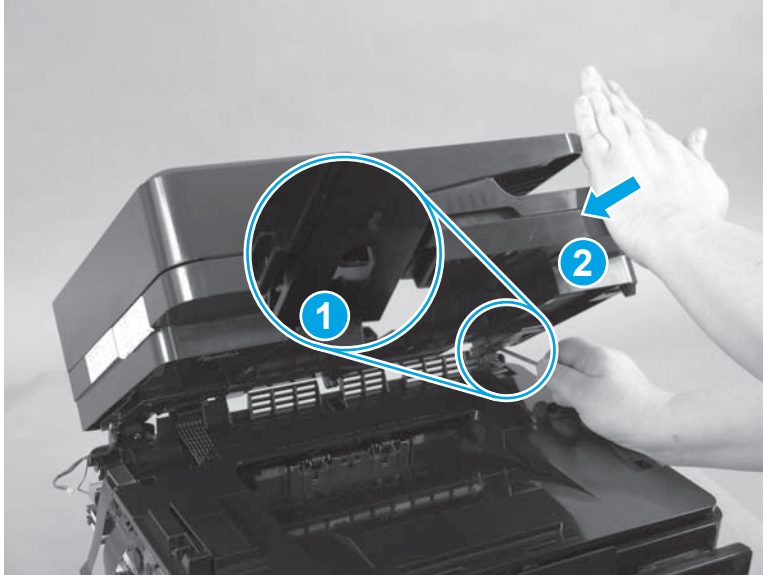
**Figure 1-10** Remove the document feeder and scanner for the M177 model (1 of 3)





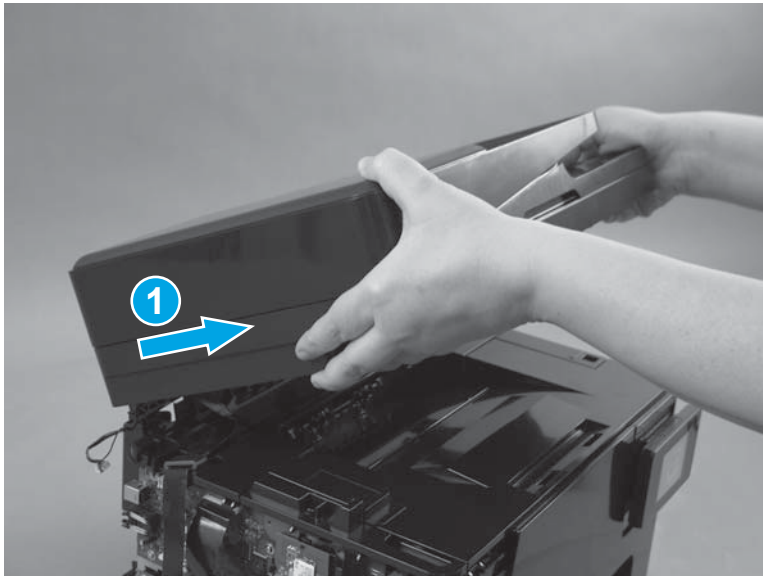
3. Use a flat-blade screwdriver to press up on the tab inside the hinge (callout 1). While pressing the tab, hit the front edge of the scanner (callout 2) with your hand to release the tab.

**Figure 1-11** Remove the document feeder and scanner for the M177 model (2 of 3)



4. Repeat the previous step with the remaining hinge.
5. Lift the assembly up and away from the hinges (callout 1).

**Figure 1-12** Remove the document feeder and scanner for the M177 model (3 of 3)



## Scanner and flat cable cover (M176 model only)

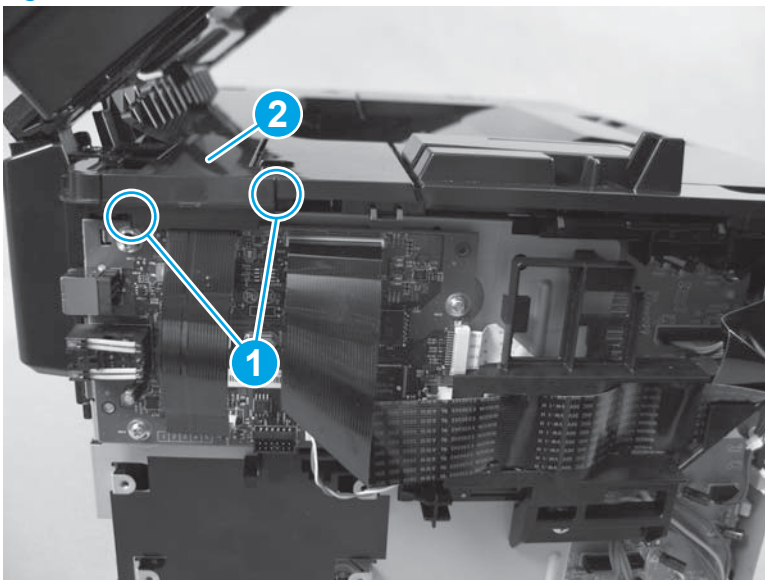
### Before proceeding, remove the following components:

- Dust cover, input tray, and extension tray. See [Dust cover, input tray, and extension tray on page 9](#).
- Left cover. See [Left cover on page 12](#).

### Remove the scanner and flat cable cover

1. Release two tabs (callout 1), and then remove the flat cable cover (callout 2).

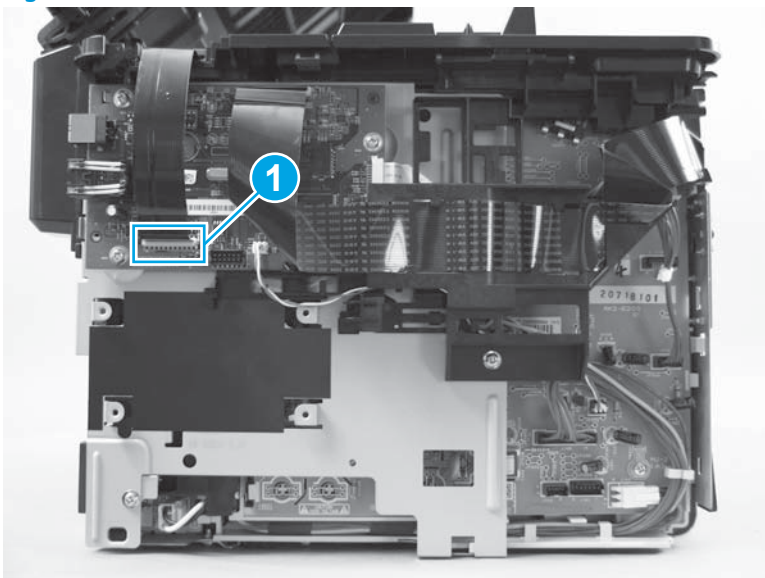
**Figure 1-13** Remove the flat cable cover for the M176 model



2. Disconnect one FFC (callout 1).

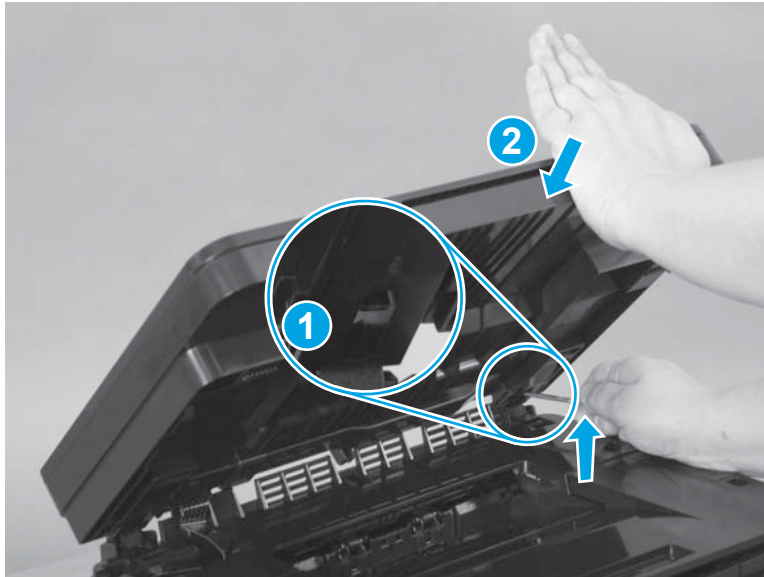
**⚠ CAUTION:** Do not bend or fold the flat flexible cables (FFCs) during removal or installation. Also, do not straighten pre-folds in the FFCs.

**Figure 1-14** Remove the scanner for the M176 model (1 of 3)



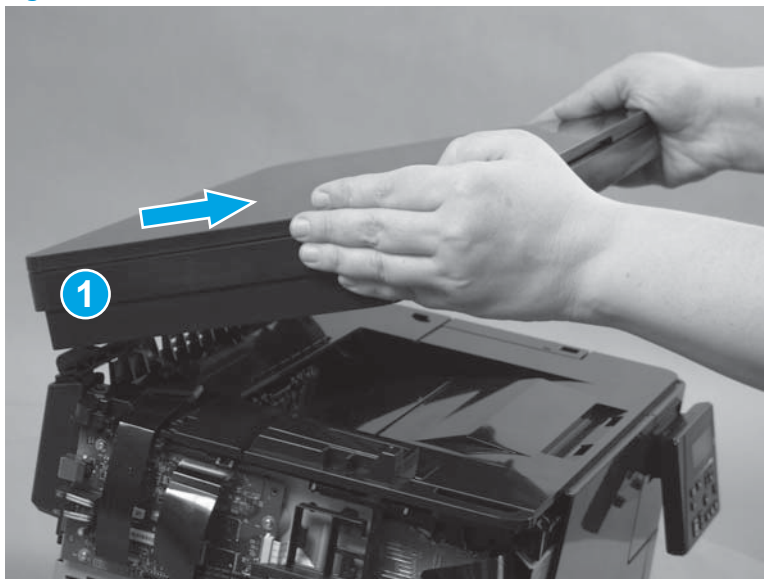
3. Use a flat-blade screwdriver to press up on the tab inside the hinge (callout 1). While pressing the tab, hit the front edge of the scanner (callout 2) with your hand to release the tab.

**Figure 1-15** Remove the scanner for the M176 model (2 of 3)



4. Repeat the previous step with the remaining hinge.
5. Lift the assembly up and away from the hinges.

**Figure 1-16** Remove the scanner for the M176 model (3 of 3)



## Right cover

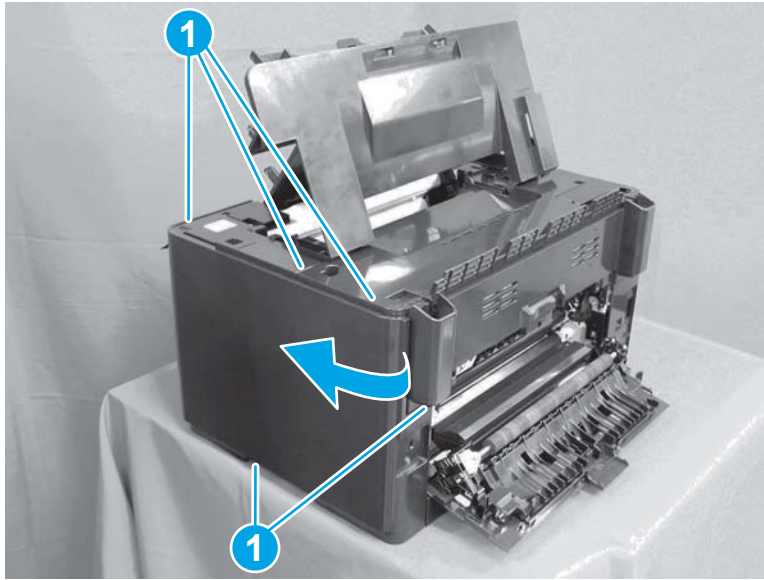
1. Open the following doors:
  - Rear door
  - Front door
  - Top door
2. Remove one screw (callout 1).

**Figure 1-17** Remove the right cover (1 of 3)



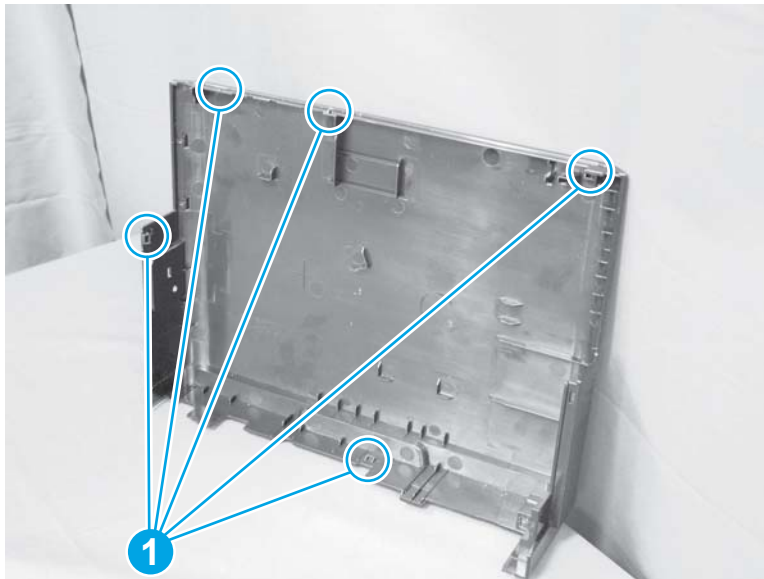
3. Starting on the rear vertical edge, release five tabs (callout 1) and remove the right cover.

**Figure 1-18** Remove the right cover (2 of 3)



**NOTE:** Before proceeding, take note of the locations of the tabs (callout 1) on the back side of the cover. When reinstalling the right cover, align all of the tabs with the slots.

**Figure 1-19** Remove the right cover (3 of 3)



## Top cover

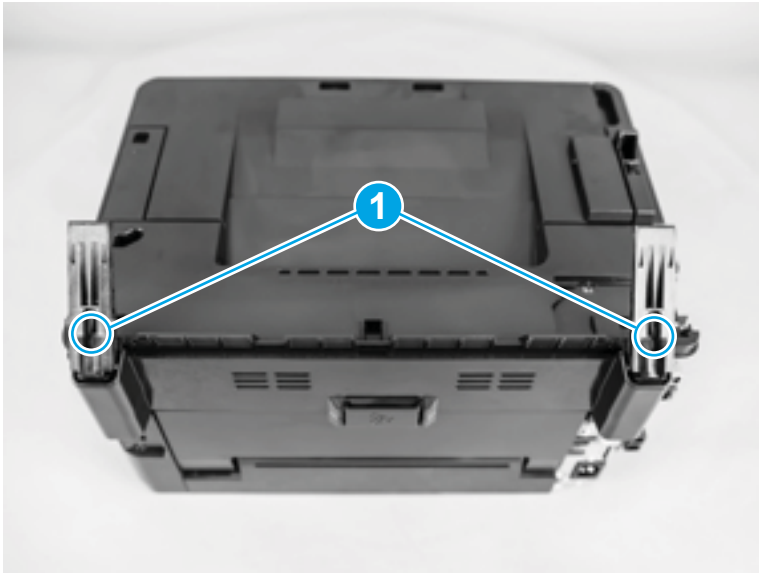
### Before proceeding, remove the following components:

- Dust cover, input tray, and extension tray. See [Dust cover, input tray, and extension tray on page 9](#).
- Left cover. See [Left cover on page 12](#).
- Document feeder (M177 model only), scanner, and flat cable cover. See [Document feeder, scanner, and flat cable cover \(M177 model only\) on page 14](#) or [Scanner and flat cable cover \(M176 model only\) on page 16](#).
- Right cover. See [Right cover on page 18](#).

### Remove the top cover

1. Remove two screws (callout 1), and remove the hinges.

**Figure 1-20** Remove the scanner hinges (1 of 2)



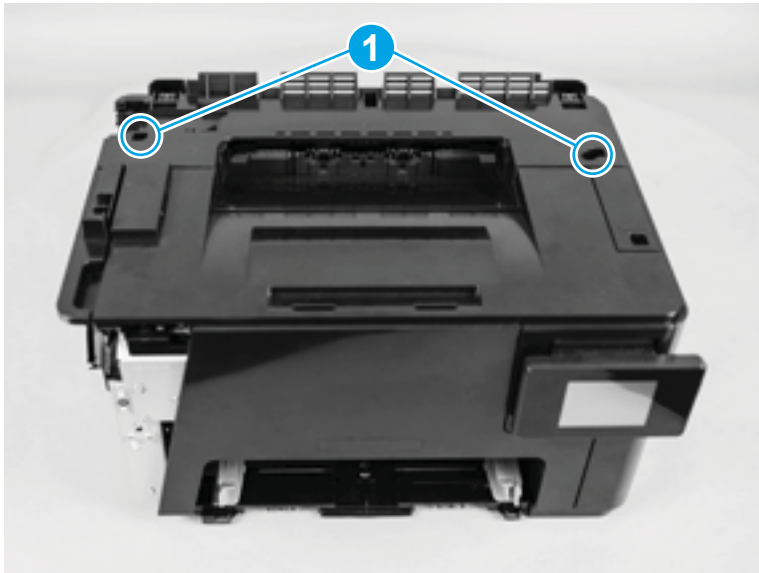


**Figure 1-21** Remove the scanner hinges (2 of 2)



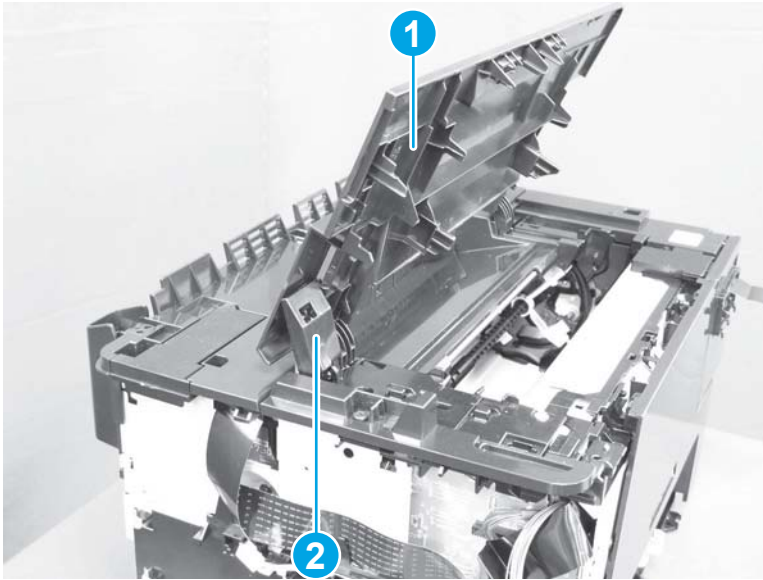
2. Remove two screws (callout 1).

**Figure 1-22** Remove the top cover (1 of 5)



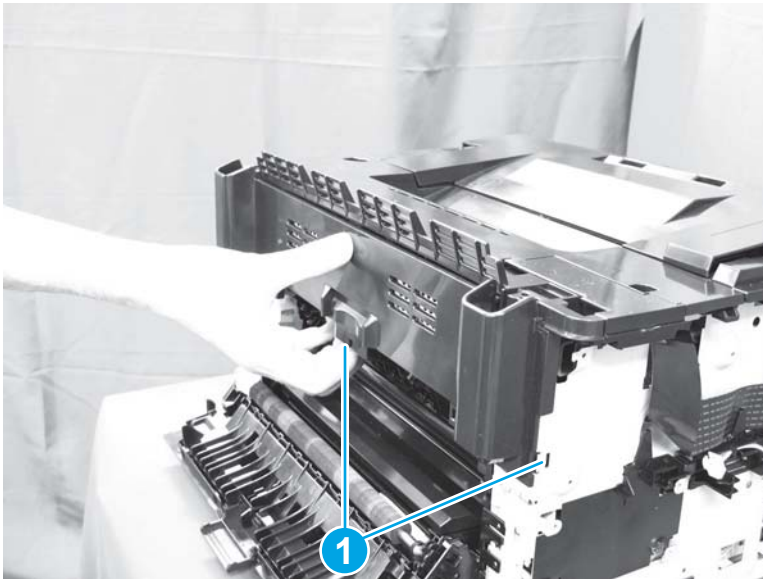
3. Release the arm (callout 2) from the top cover (callout 1).

**Figure 1-23** Remove the top cover (2 of 5)



4. Release two tabs (callout 1) on the fuser cover.

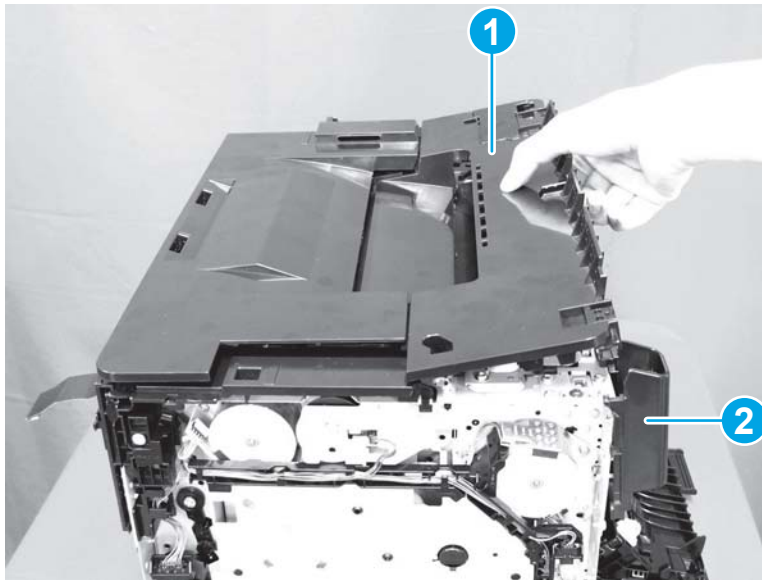
**Figure 1-24** Remove the top cover (3 of 5)





5. Lift the delivery cover up (callout 1) and separate it from the fuser cover (callout 2).

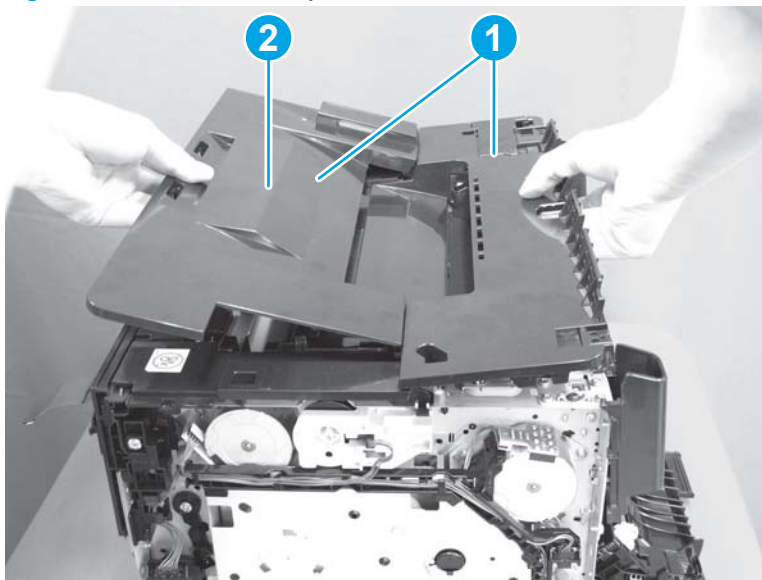
**Figure 1-25** Remove the top cover (4 of 5)



6. Lift the top cover (callout 1), and then slide the top cover (callout 2) toward the front of the product to remove it.

**CAUTION:** Be careful not to damage the cartridge lock release springs. See [Figure 1-28 Left-side cartridge lock release spring on page 25](#) and [Figure 1-29 Right-side cartridge lock release spring on page 25](#).

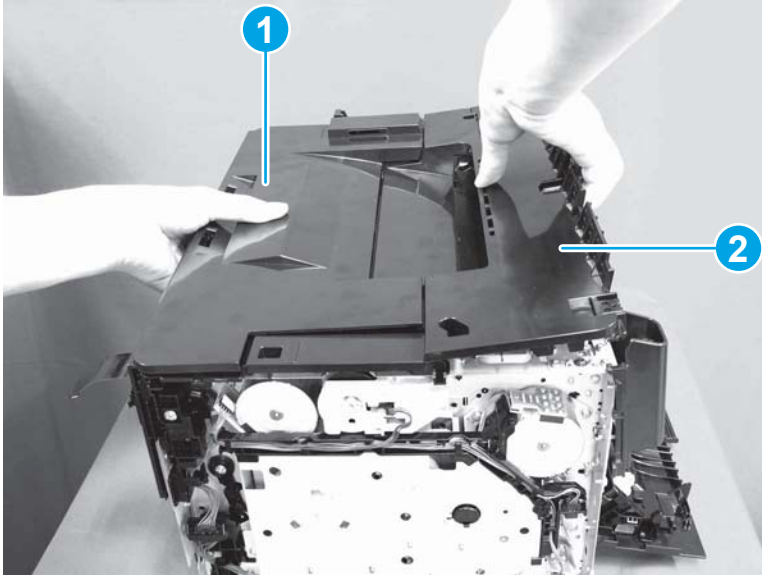
**Figure 1-26** Remove the top cover (5 of 5)



## Reinstall the top cover

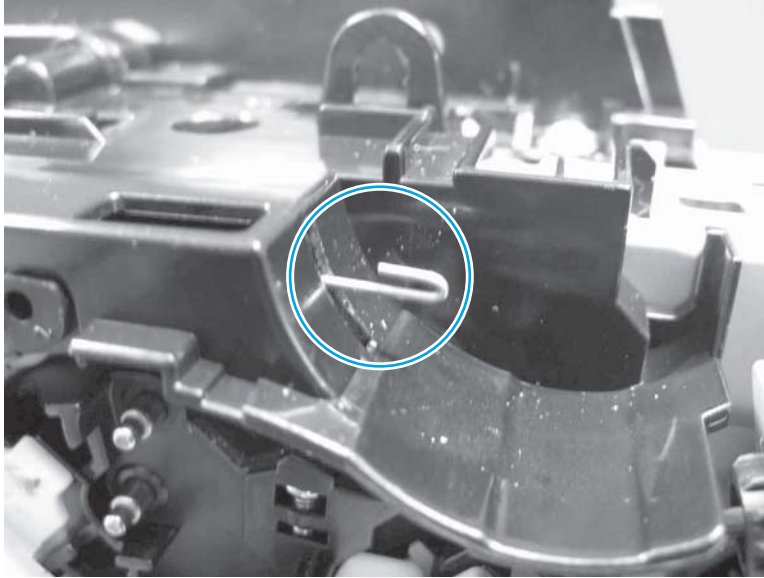
- Reattach the delivery cover (callout 2) while the top cover (callout 1) is closed.

**Figure 1-27** Reinstall the top cover

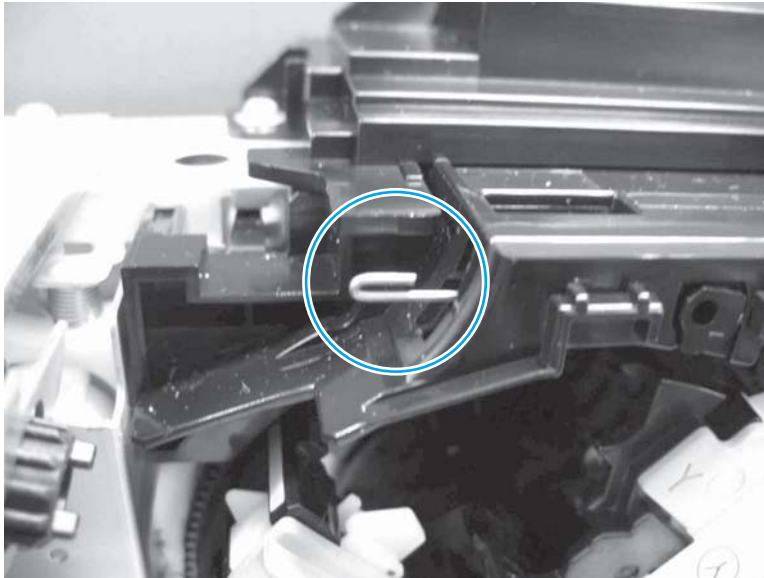


- Be careful not to damage the cartridge lock release springs.

**Figure 1-28** Left-side cartridge lock release spring

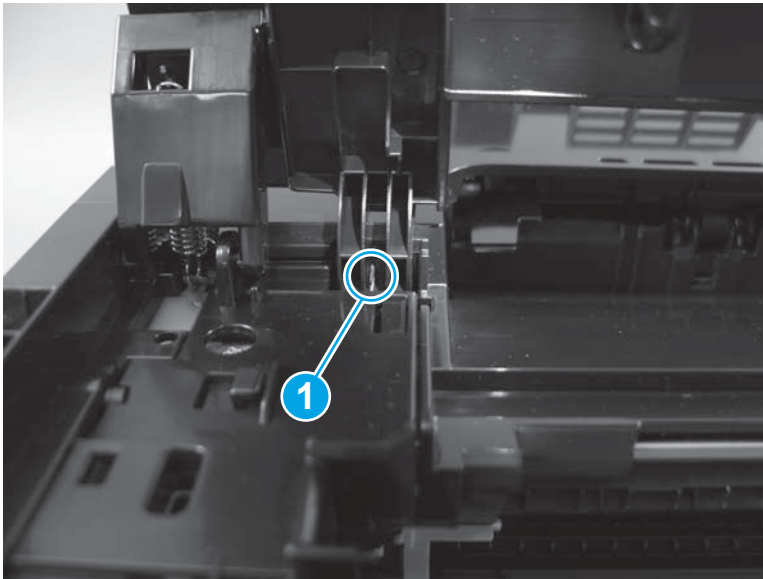


**Figure 1-29** Right-side cartridge lock release spring

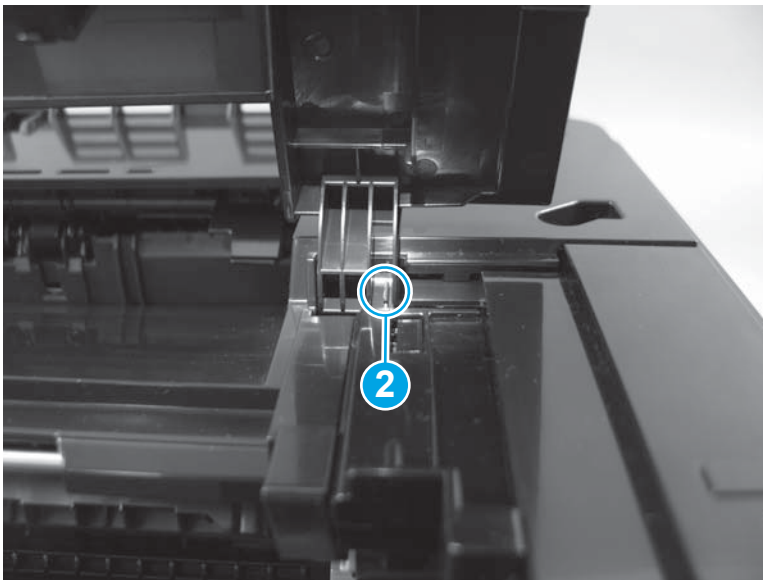


- Make sure the cartridge lock release springs are positioned correctly. The left spring sits in the center slot of the top cover hinge (callout 1). The right spring sits in the right slot of the top cover hinge (callout 2).

**Figure 1-30** Correct position for the left-side cartridge lock release spring



**Figure 1-31** Correct position for the right-side cartridge lock release spring



- Make sure that there is not a gap between the delivery cover and the top cover, and that the delivery cover is fully seated.

**Figure 1-32** Incorrect installation of the delivery cover



**Figure 1-33** Correct installation of the delivery cover



## Inner cover

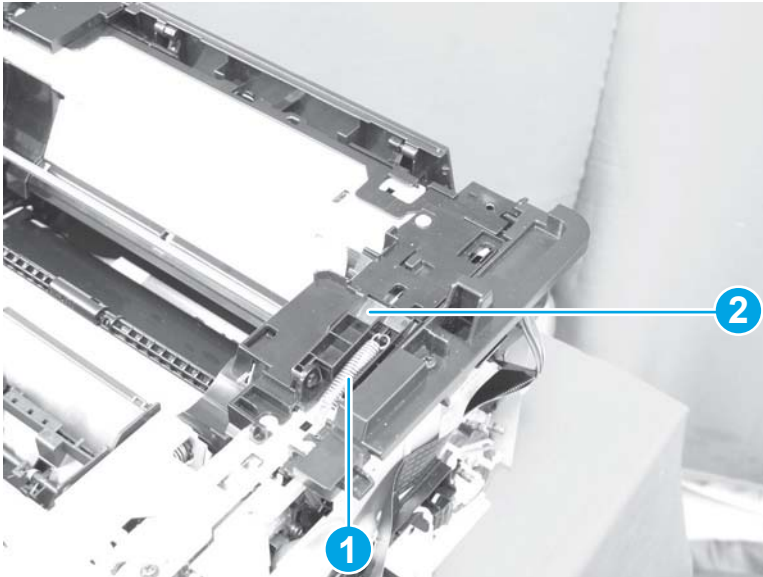
### Before proceeding, remove the following components:

- Dust cover, input tray, and extension tray. See [Dust cover, input tray, and extension tray on page 9](#).
- Left cover. See [Left cover on page 12](#).
- Document feeder (M177 model only), scanner, and flat cable cover. See [Document feeder, scanner, and flat cable cover \(M177 model only\) on page 14](#) or [Scanner and flat cable cover \(M176 model only\) on page 16](#).
- Right cover. See [Right cover on page 18](#).
- Top cover. See [Top cover on page 20](#).

### Remove the inner cover

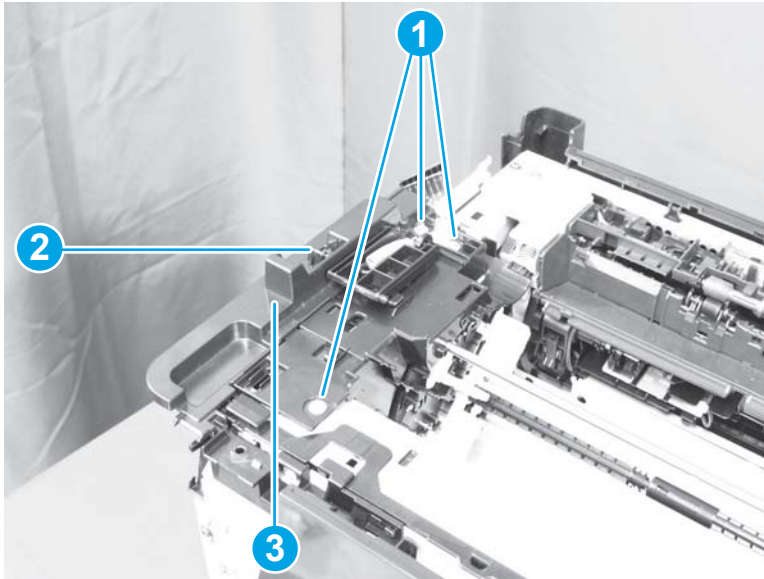
1. Rotate the spring (callout 1) and the arm (callout 2) towards the rear of the printer together and remove them.

**Figure 1-34** Remove the inner cover (1 of 2)



2. Remove three screws (callout 1) and one self-tapping screw (callout 2), and then remove the inner cover (callout 3).

**Figure 1-35** Remove the inner cover (2 of 2)



## Grounding cable cover and right top cover

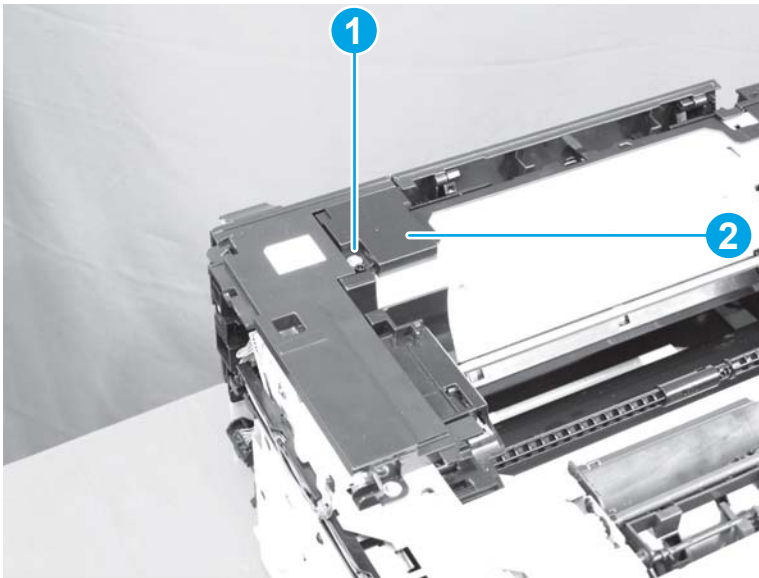
### Before proceeding, remove the following components:

- Dust cover, input tray, and extension tray. See [Dust cover, input tray, and extension tray on page 9](#).
- Left cover. See [Left cover on page 12](#).
- Document feeder (M177 model only), scanner, and flat cable cover. See [Document feeder, scanner, and flat cable cover \(M177 model only\) on page 14](#) or [Scanner and flat cable cover \(M176 model only\) on page 16](#).
- Right cover. See [Right cover on page 18](#).
- Top cover. See [Top cover on page 20](#).

### Remove the grounding cable cover and the right top cover

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

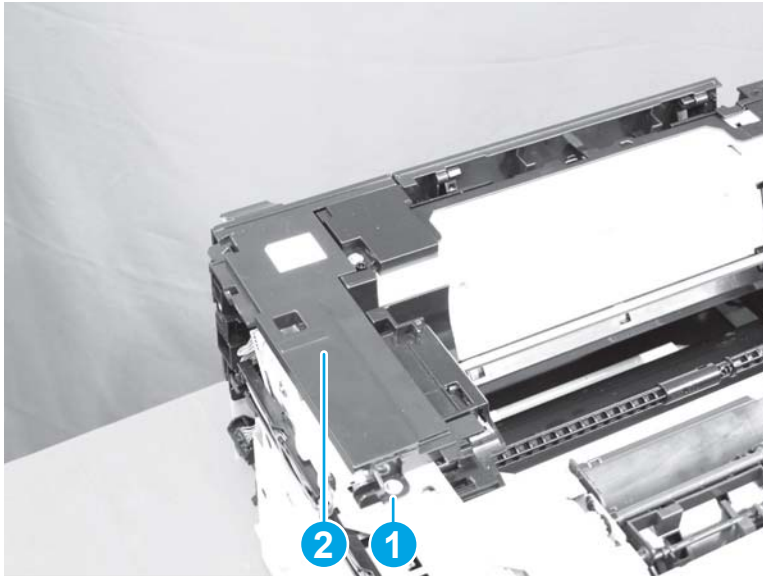
**Figure 1-36** Remove the grounding cable cover






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

**Figure 1-37** Remove the right top cover



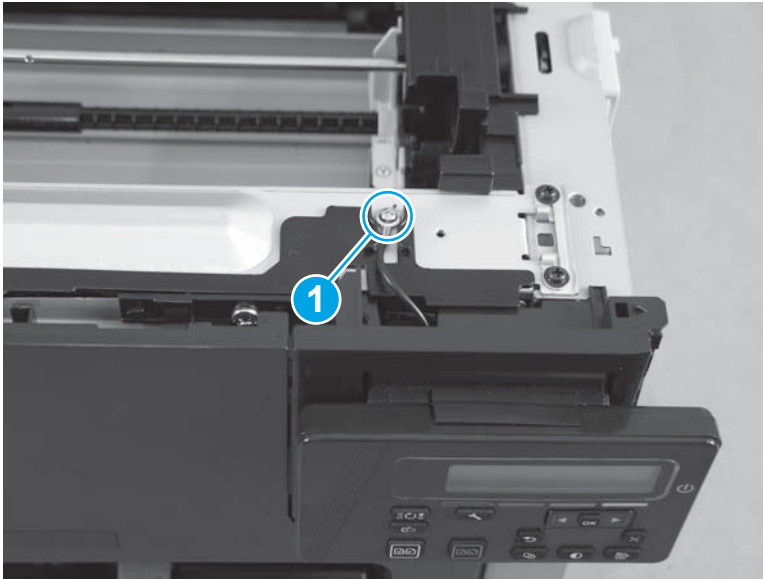
## Control panel

 **CAUTION:**  ESD sensitive.

 **NOTE:** Although the photos in this procedure show the M177 model, the steps are the same for the M176 model.

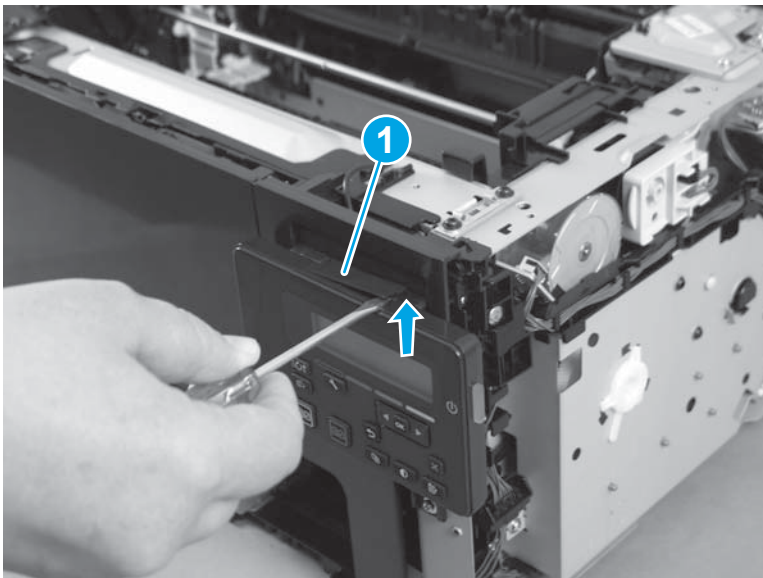
1. Disconnect one grounding screw (callout 1).

**Figure 1-38** Remove the control panel (1 of 5)



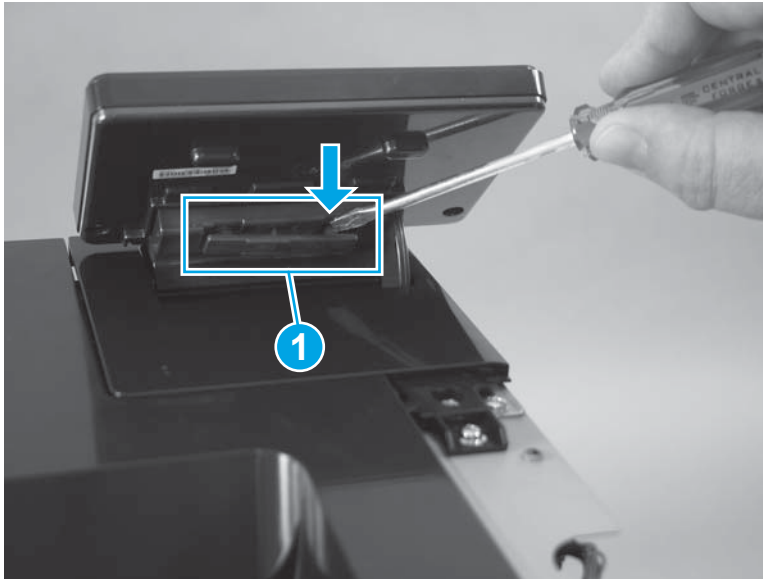
2. With a small flat-blade screwdriver, remove the cover (callout 1) from the top of the control panel.

**Figure 1-39** Remove the control panel (2 of 5)



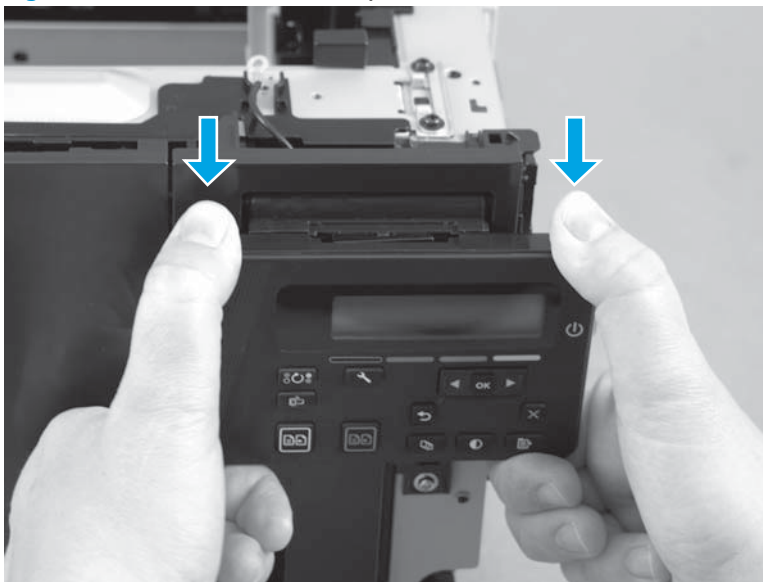
3. With a small flat-blade screwdriver, remove the cover (callout 1) from the back of the control panel.

**Figure 1-40** Remove the control panel (3 of 5)



4. Press down on the top edge of the control panel to separate it from the control panel cover.

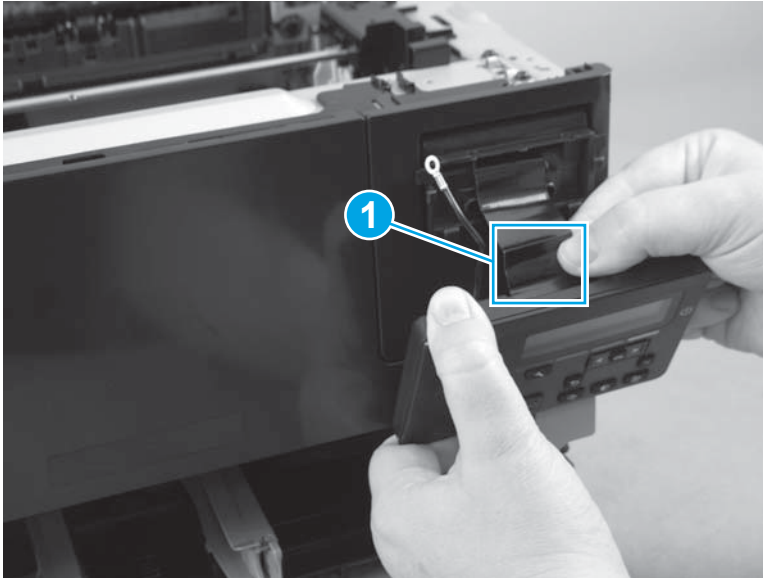
**Figure 1-41** Remove the control panel (4 of 5)



5. Disconnect one FFC (callout 1) from the control panel.

**⚠ CAUTION:** Do not bend or fold the flat flexible cables (FFCs) during removal or installation. Also, do not straighten pre-folds in the FFCs.

**Figure 1-42** Remove the control panel (5 of 5)



## Cartridge door

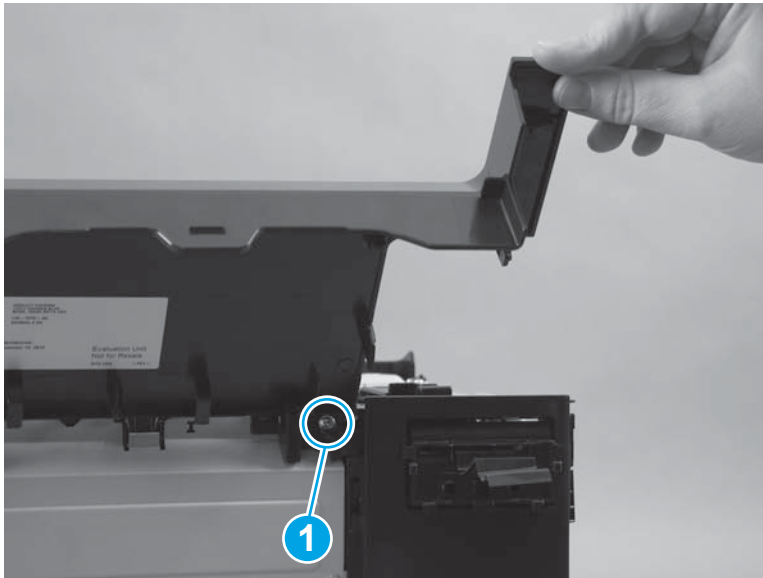
Before proceeding, remove the following components:

- Dust cover, input tray, and extension tray. See [Dust cover, input tray, and extension tray on page 9](#).

### Remove the cartridge door

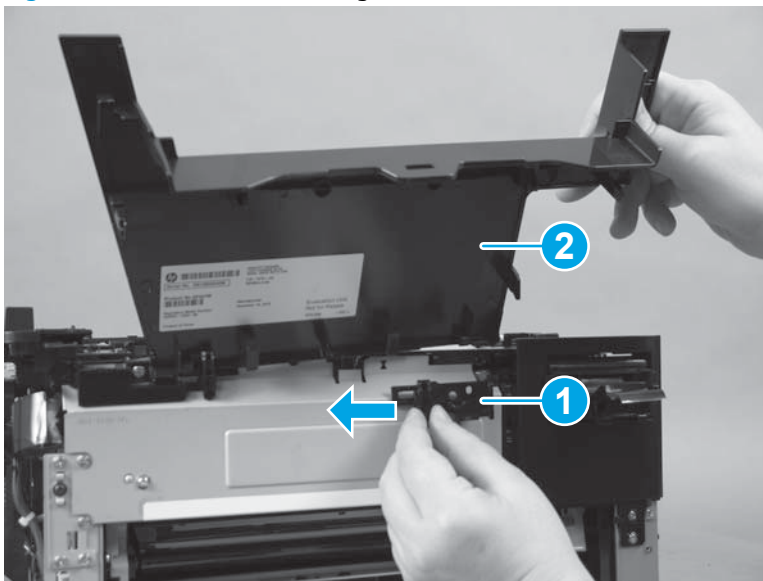
1. Open the front door halfway, and remove one tapping screw (callout 1).

**Figure 1-43** Remove the cartridge door (1 of 2)



2. Slide the hinge (callout 1) and the front door (callout 2) toward the left of the product and remove them together.

**Figure 1-44** Remove the cartridge door (2 of 2)



## Fuser cover

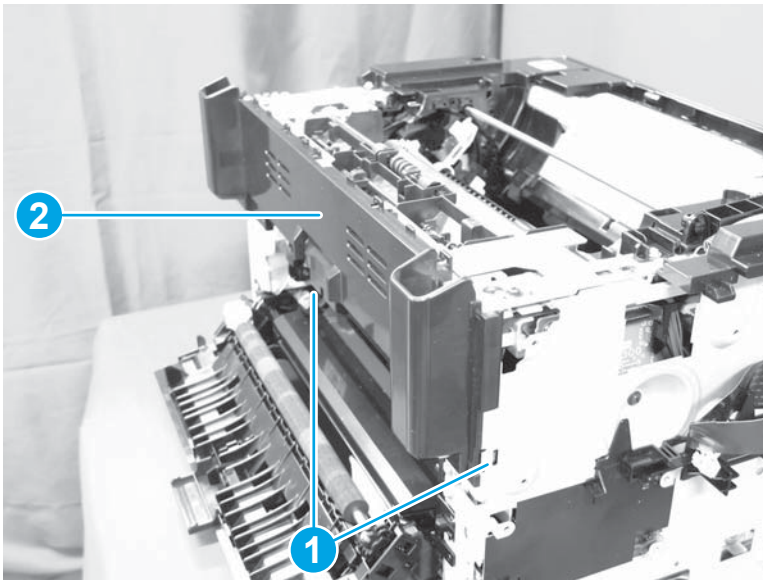
### Before proceeding, remove the following components:

- Dust cover, input tray, and extension tray. See [Dust cover, input tray, and extension tray on page 9](#).
- Left cover. See [Left cover on page 12](#).
- Document feeder (M177 model only), scanner, and flat cable cover. See [Document feeder, scanner, and flat cable cover \(M177 model only\) on page 14](#) or [Scanner and flat cable cover \(M176 model only\) on page 16](#).
- Right cover. See [Right cover on page 18](#).
- Top cover. See [Top cover on page 20](#).

### Remove the fuser cover

1. Release two tabs (callout 1) on the fuser cover (callout 2).

**Figure 1-45** Remove the fuser cover



2. Lift the fuser cover up and remove it.

## Rear door and secondary transfer assembly

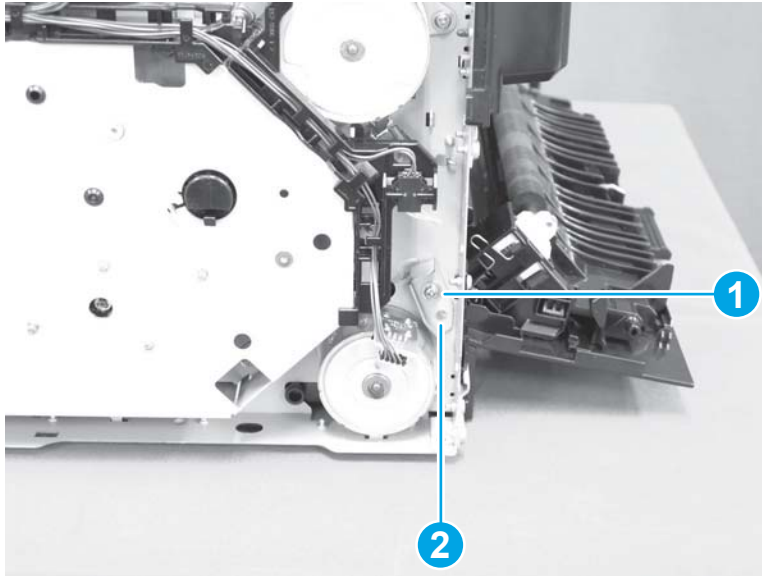
Before proceeding, remove the following components:

- Left cover. See [Left cover on page 12](#).
- Right cover. See [Right cover on page 18](#).

### Remove the rear door and secondary transfer assembly

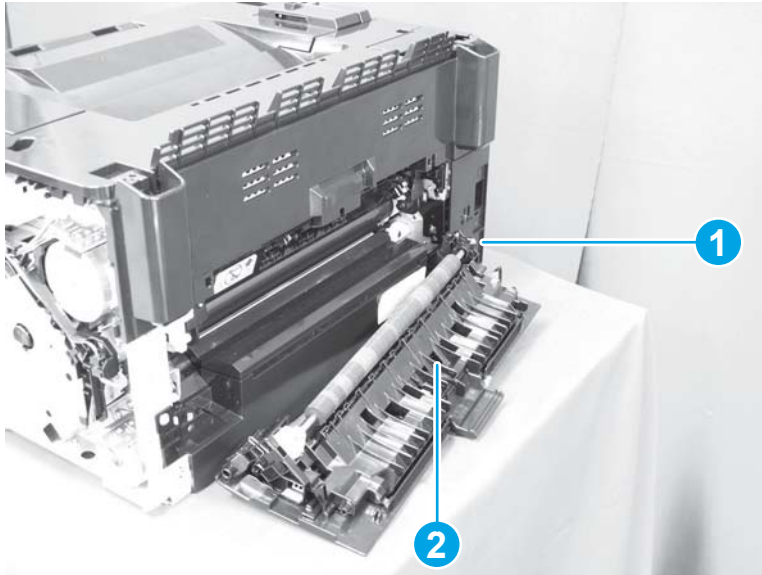
1. Remove one screw (callout 1) and the bushing (callout 2).

**Figure 1-46** Remove the rear door and secondary transfer assembly (1 of 2)



2. Pull out the shaft (callout 1) and remove the rear door assembly and secondary transfer assembly (callout 2).

**Figure 1-47** Remove the rear door and secondary transfer assembly (2 of 2)



## Power supply cover

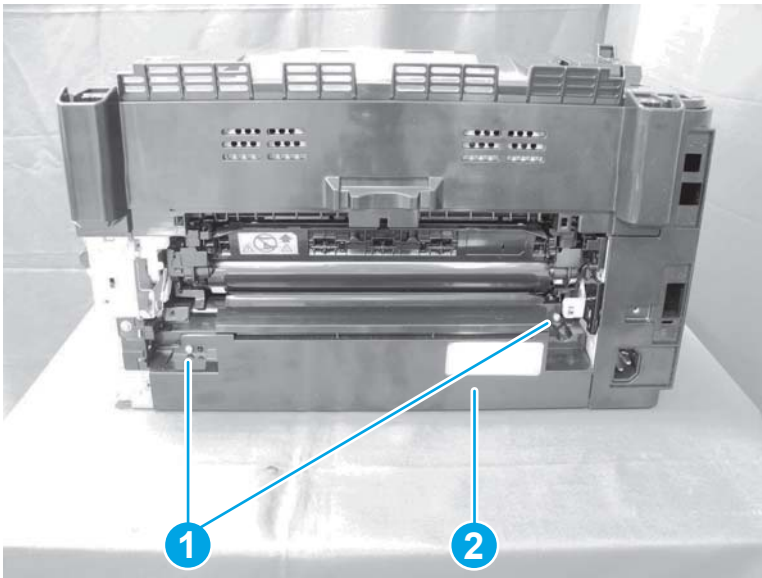
Before proceeding, remove the following components:

- Left cover. See [Left cover on page 12](#).
- Right cover. See [Right cover on page 18](#).
- Rear door and secondary transfer assembly. See [Rear door and secondary transfer assembly on page 37](#).

### Remove the power supply cover

- ▲ Remove two screws (callout 1) and the power supply cover (callout 2).

**Figure 1-48** Remove the power supply cover





## Main assemblies

### Formatter PCA (M176 model)

 **CAUTION:**  ESD sensitive.

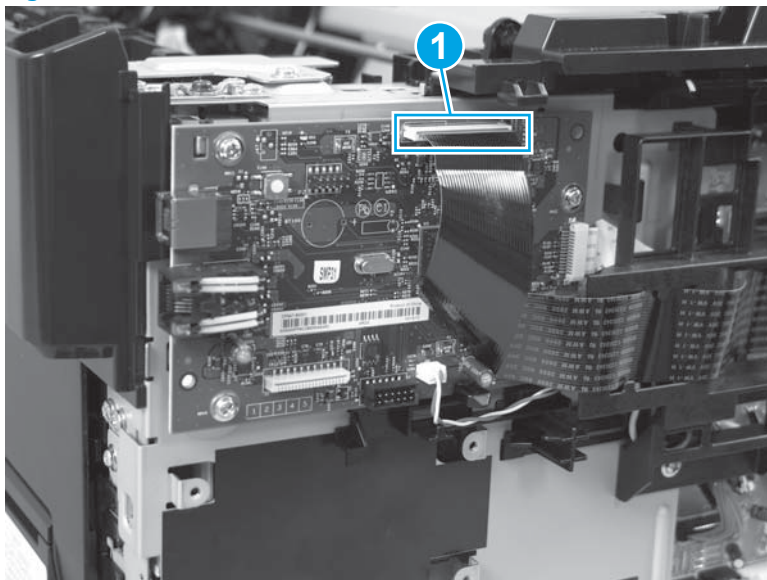
Before proceeding, remove the following components:

- Left cover assembly. See [Left cover on page 12](#).

#### Remove the formatter PCA (M176 model)

1. Disconnect one FFC (callout 1).

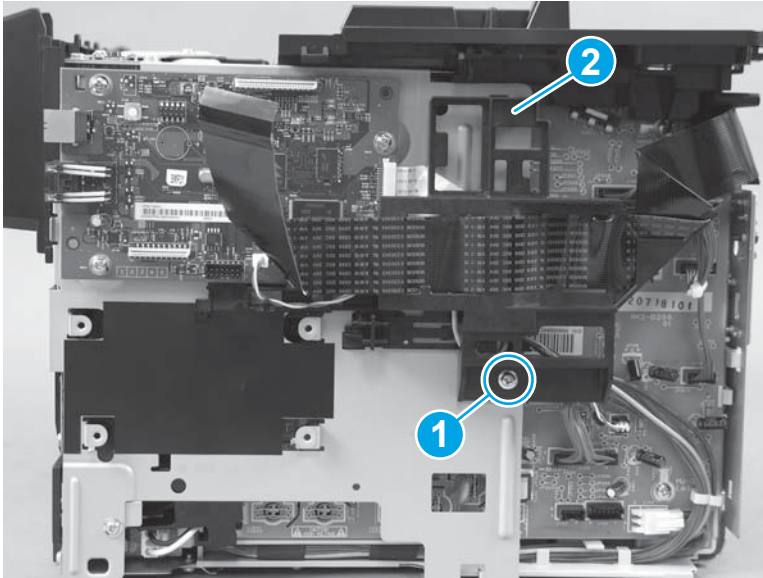
**Figure 1-49** Remove the formatter PCA for the M176 model (1 of 4)



2. Remove one screw (callout 1), and remove the FFC guide (callout 2).

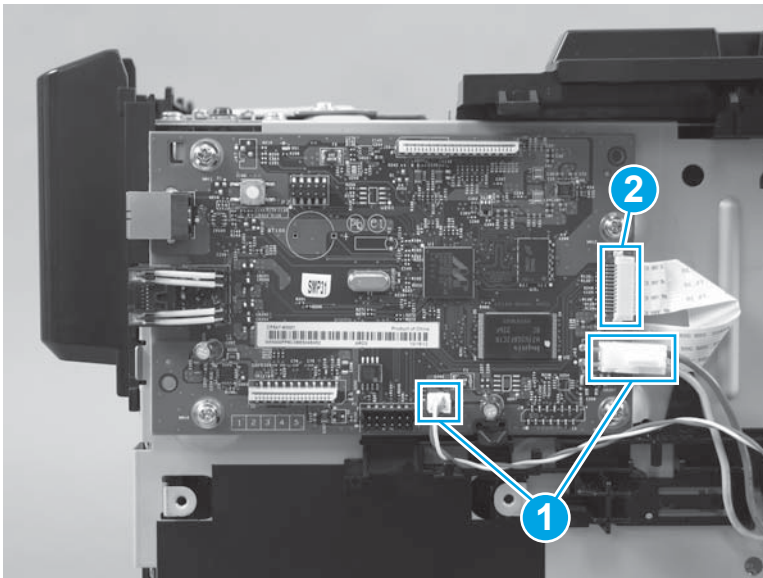
 **NOTE:** The FFC guide might look slightly different, but the procedure is the same.

**Figure 1-50** Remove the formatter PCA for the M176 model (2 of 4)



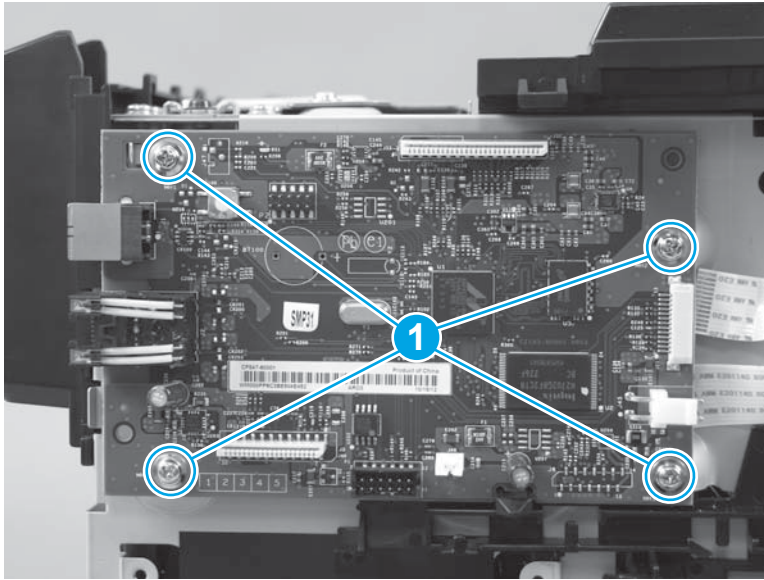
3. Disconnect two connectors (callout 1) and one FFC (callout 2).

**Figure 1-51** Remove the formatter PCA for the M176 model (3 of 4)



4. Remove four screws (callout 1), and then remove the formatter PCA.

**Figure 1-52** Remove the formatter PCA for the M176 model (4 of 4)




## Wireless PCA (M177 model)

 **CAUTION:**  ESD sensitive.


**Before proceeding, remove the following components:**

- Left cover. See [Left cover on page 12](#).

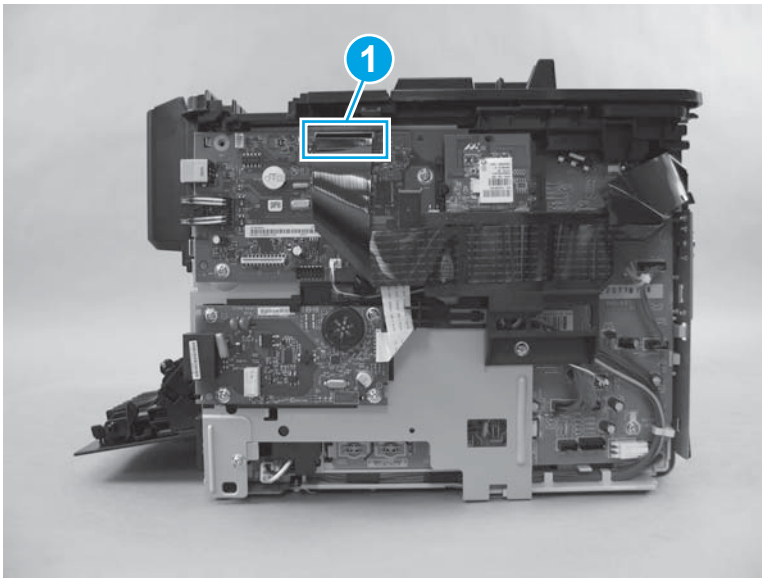
 **NOTE:** The FFC guide may look different than the one shown in this procedure.

### Remove the wireless PCA (M177 model)


1. Disconnect one FFC (callout 1) from the formatter PCA.

 **CAUTION:** Do not bend or fold the flat flexible cables (FFCs) during removal or installation. Do not straighten pre-folds in the FFCs.

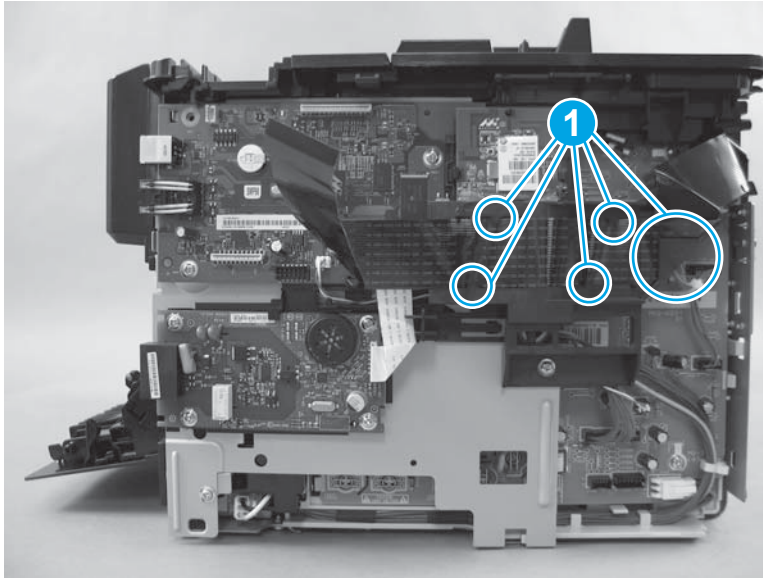
**Figure 1-53** Remove the wireless PCA for the M177 model (1 of 3)



- Carefully remove the FFC from the cable guides (callout 1).

 **NOTE:** The FFC guide might look slightly different, but the procedure is the same.

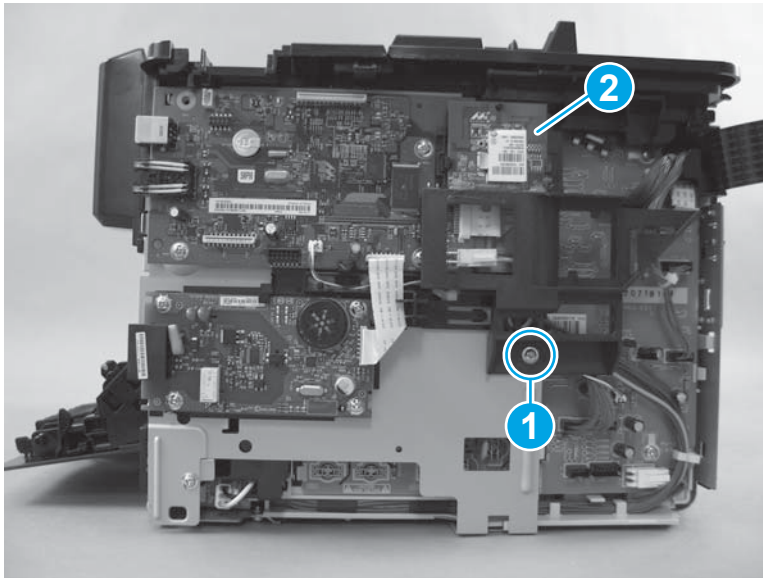
**Figure 1-54** Remove the wireless PCA for the M177 model (2 of 3)



- Remove one screw (callout 1), and then remove the wireless PCA and the FFC guide (callout 2).

 **NOTE:** The wireless PCA holder might look slightly different, but the procedure is the same.

**Figure 1-55** Remove the wireless PCA for the M177 model (3 of 3)





## Formatter PCA (M177 model)

 **CAUTION:**  ESD sensitive.

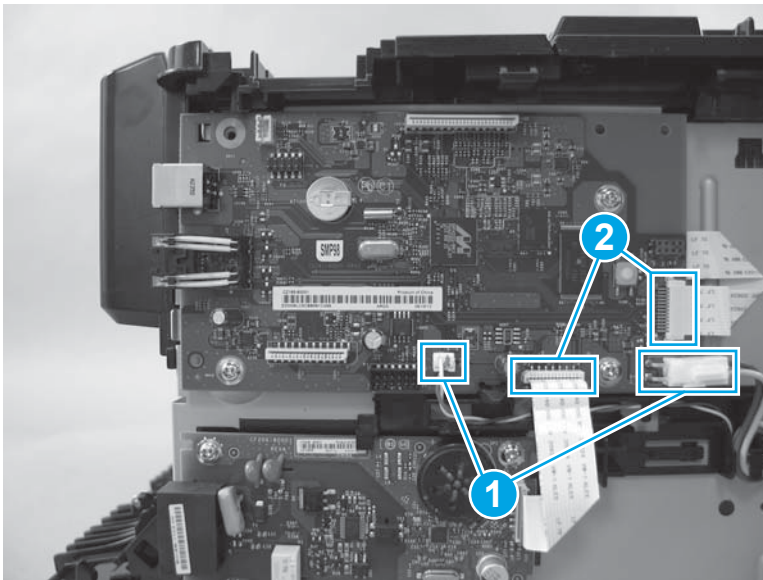
**Before proceeding, remove the following components:**

- Left cover. See [Left cover on page 12](#).
- Wireless PCA. See [Wireless PCA \(M177 model\) on page 42](#).

### Remove the formatter PCA (M177 model)

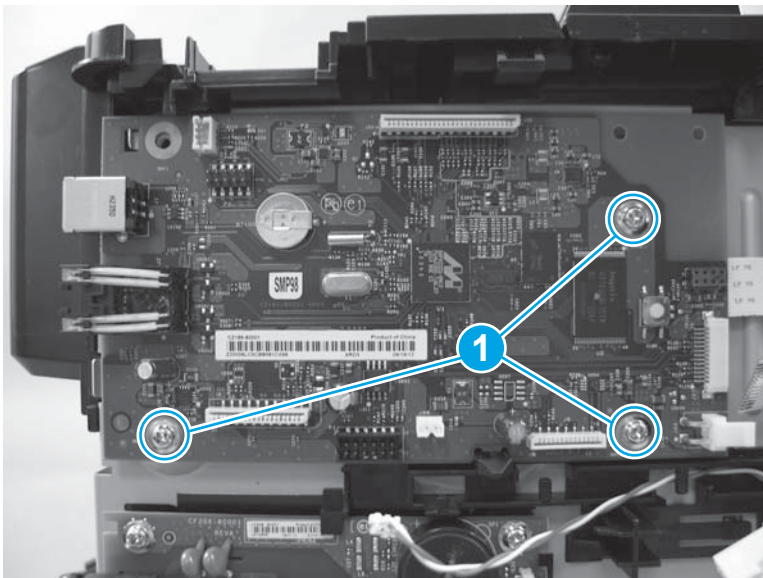
1. Disconnect two connectors (callout 1), and then disconnect two FFCs (callout 2).

**Figure 1-56** Remove the formatter PCA for the M177 model (1 of 2)



2. Remove three screws (callout 1), and then remove the formatter PCA.

**Figure 1-57** Remove the formatter PCA for the M177 model (2 of 2)



## Fax PCA (M177 model)

 **CAUTION:**  ESD sensitive.

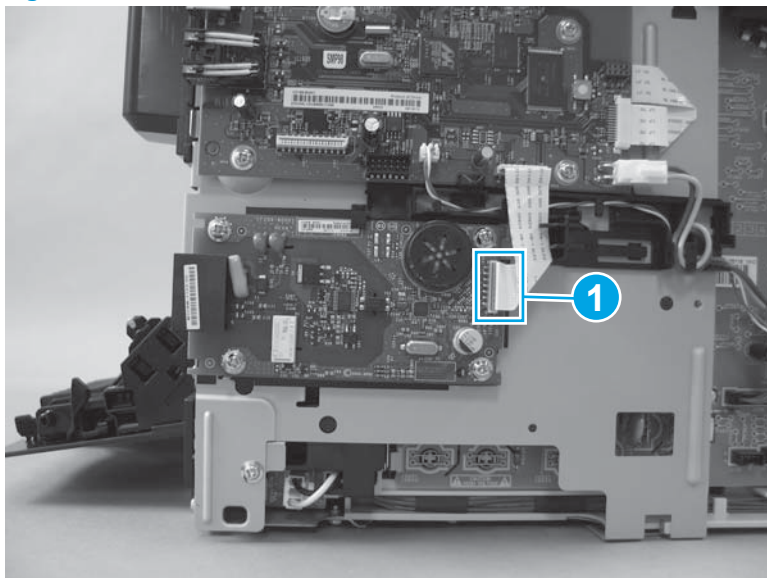
**Before proceeding, remove the following components:**

- Left cover. See [Left cover on page 12](#).
- Wireless PCA. See [Wireless PCA \(M177 model\) on page 42](#).

### Remove the fax PCA (M177 model)

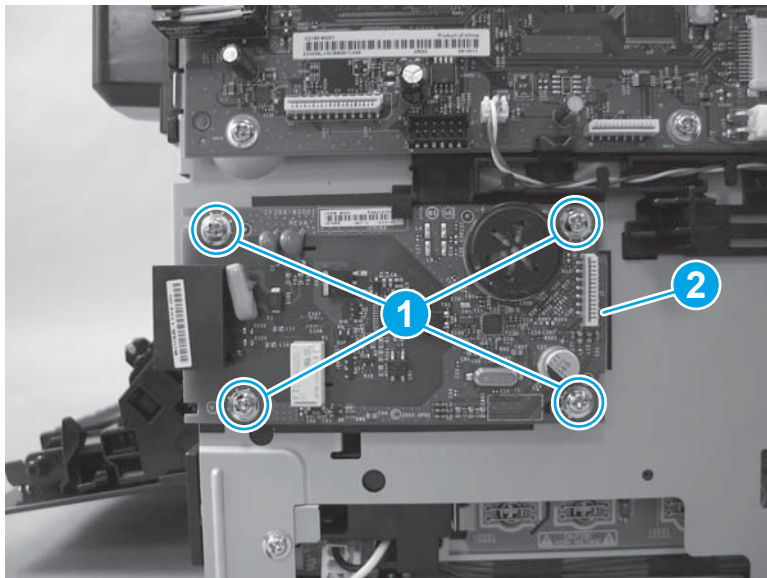
1. Remove one FFC (callout 1).

**Figure 1-58** Remove the fax PCA for the M177 model (1 of 2)



2. Remove four screws (callout 1), and remove the fax PCA (callout 2).

**Figure 1-59** Remove the fax PCA for the M177 model (2 of 2)



## Control panel FFC

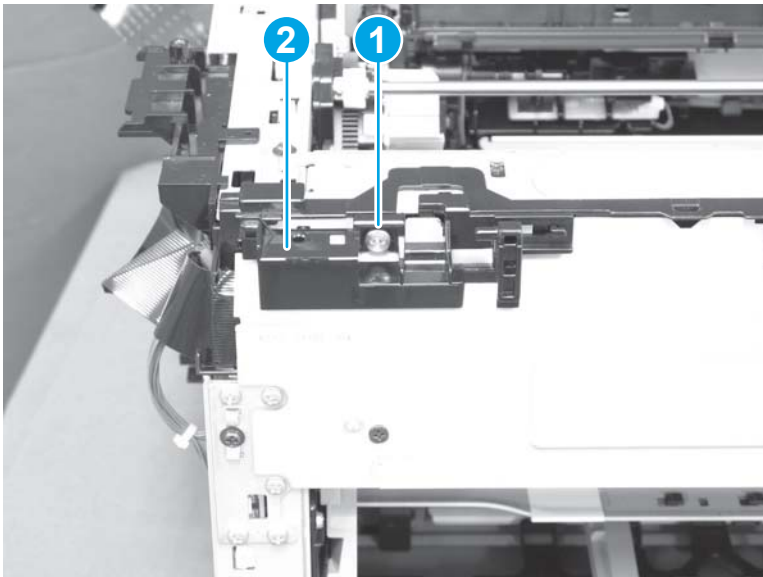
### Before proceeding, remove the following components:

- Dust cover, input tray, and extension tray. See [Dust cover, input tray, and extension tray on page 9](#).
- Left cover. See [Left cover on page 12](#).
- Document feeder (M177 model only), scanner, and flat cable cover. See [Document feeder, scanner, and flat cable cover \(M177 model only\) on page 14](#) or [Scanner and flat cable cover \(M176 model only\) on page 16](#).
- Right cover. See [Right cover on page 18](#).
- Top cover. See [Top cover on page 20](#).
- Inner cover. See [Inner cover on page 28](#).
- Grounding cable cover and right top cover. See [Grounding cable cover and right top cover on page 30](#).
- Control panel. See [Control panel on page 32](#).
- Cartridge door. See [Cartridge door on page 35](#).

### Remove the control panel FFC

1. Remove one tapping screw (callout 1), and slide the hinge (callout 2) to the right to remove it.

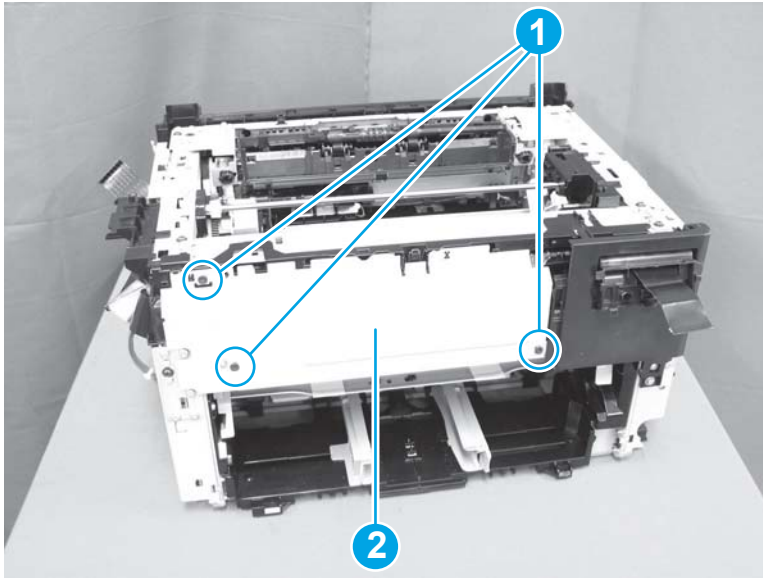
**Figure 1-60** Remove the control panel FFC (1 of 5)





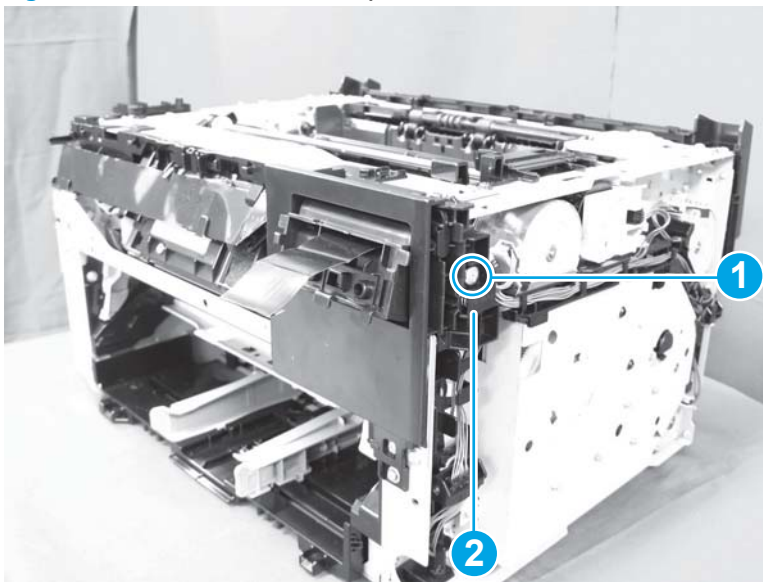
2. Remove three black screws (callout 1) and the scanner cover (callout 2).

**Figure 1-61** Remove the control panel FFC (2 of 5)



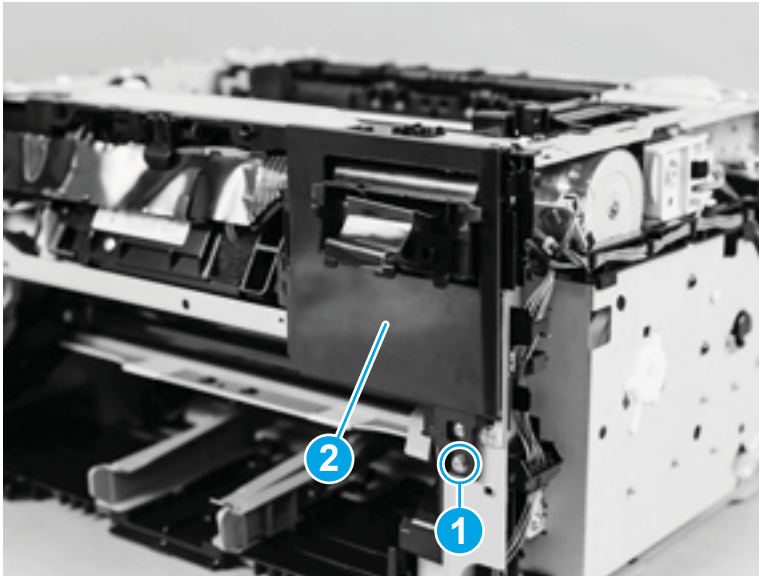
3. Remove one tapping screw (callout 1) and the spring holder (callout 2).

**Figure 1-62** Remove the control panel FFC (3 of 5)



4. Remove one screw (callout 1) and the control panel assembly (callout 2).

**Figure 1-63** Remove the control panel FFC (4 of 5)

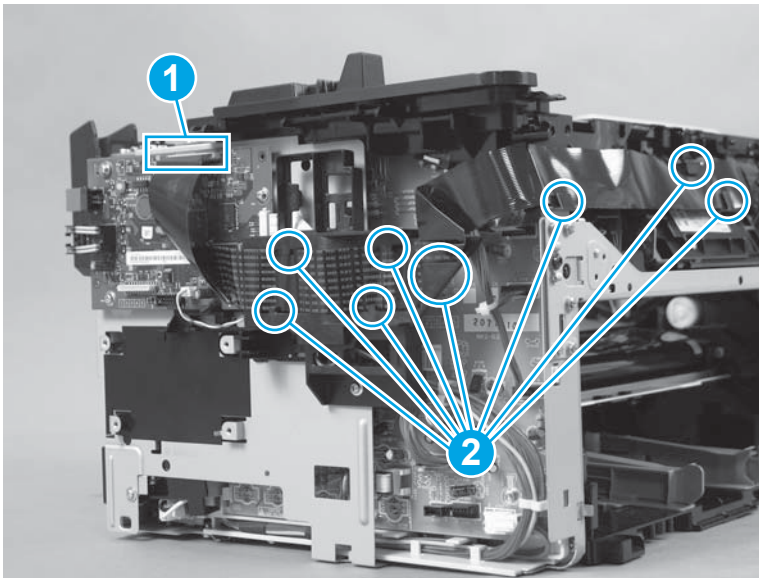


5. Disconnect one FFC (callout 1) from the formatter PCA, and then carefully remove the FFC from the cable guides (callout 2).

**CAUTION:** Do not bend or fold the flat flexible cables (FFCs) during removal or installation. Do not straighten pre-folds in the FFCs.

**NOTE:** The FFC guide might look slightly different from the figure, but the procedure is the same.

**Figure 1-64** Remove the control panel FFC (5 of 5)



## Engine controller assembly and formatter-engine FFC

 **CAUTION:**  ESD sensitive.

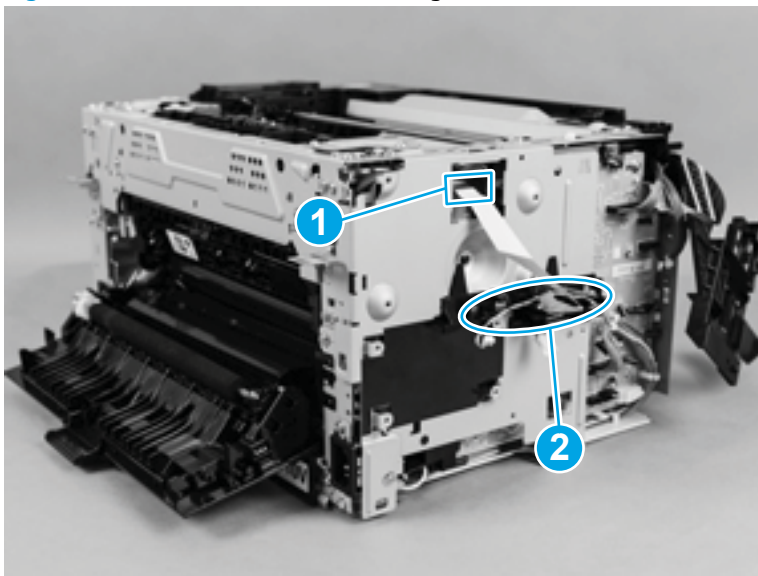
### Before proceeding, remove the following components:

- Dust cover, input tray, and extension tray. See [Dust cover, input tray, and extension tray on page 9](#).
- Left cover. See [Left cover on page 12](#).
- Document feeder (M177 model only), scanner, and flat cable cover. See [Document feeder, scanner, and flat cable cover \(M177 model only\) on page 14](#) or [Scanner and flat cable cover \(M176 model only\) on page 16](#).
- Right cover. See [Right cover on page 18](#).
- Top cover. See [Top cover on page 20](#).
- Inner cover. See [Inner cover on page 28](#).
- Wireless PCA (M177 model only). [Wireless PCA \(M177 model\) on page 42](#).
- Formatter PCA. See [Formatter PCA \(M176 model\) on page 39](#) or [Formatter PCA \(M177 model\) on page 44](#).
- Fax PCA. See [Fax PCA \(M177 model\) on page 45](#).

### Remove the engine controller assembly and formatter-engine FFC

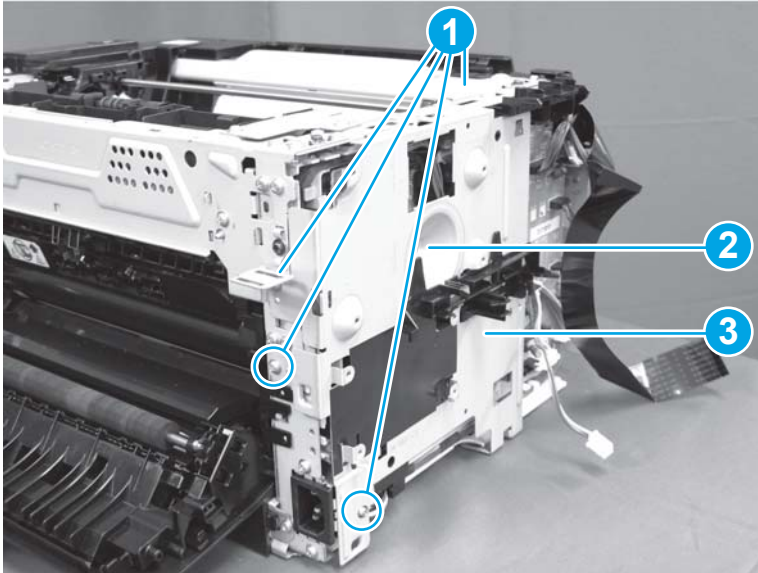
1. Disconnect the formatter-engine FFC (callout 1) and release the cables from the cable guides (callout 2).

**Figure 1-65** Remove the formatter-engine FFC



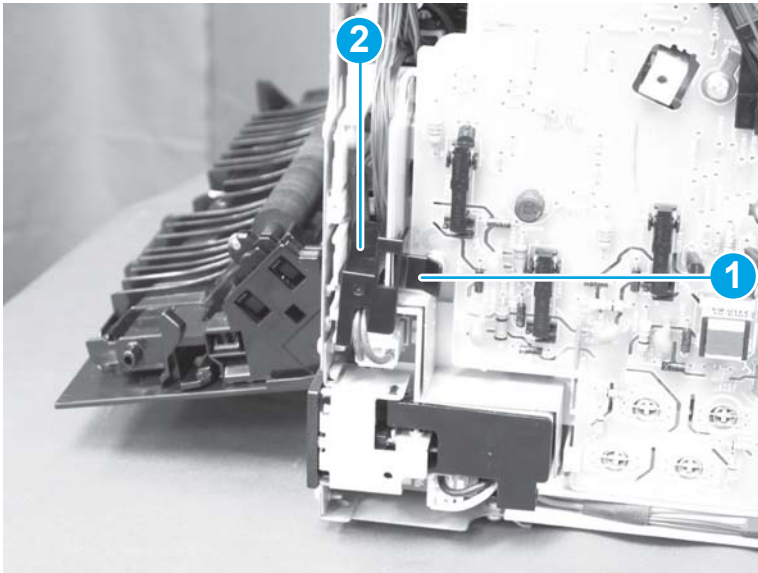
2. Remove four screws (callout 1) and one black screw (callout 2), and then remove the PCA plate (callout 3).

**Figure 1-66** Remove the engine controller assembly (1 of 6)



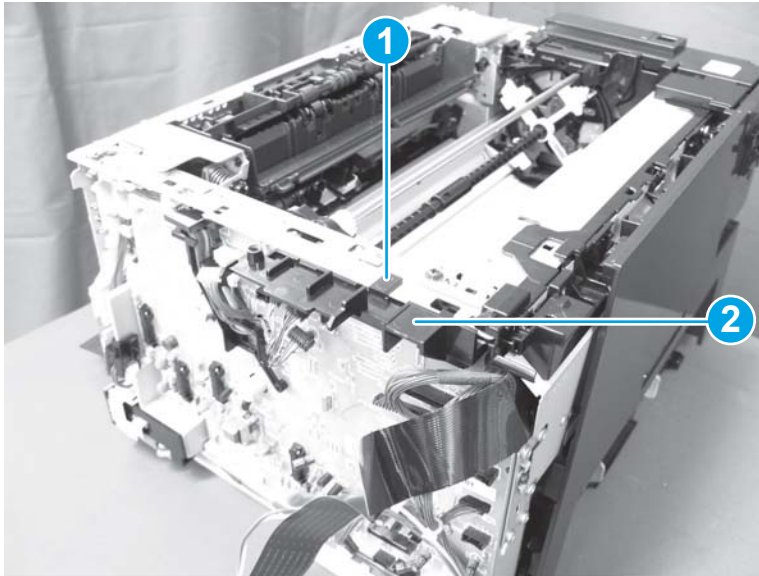
3. Release one tab (callout 1) and remove the cable cover (callout 2).

**Figure 1-67** Remove the engine controller assembly (2 of 6)



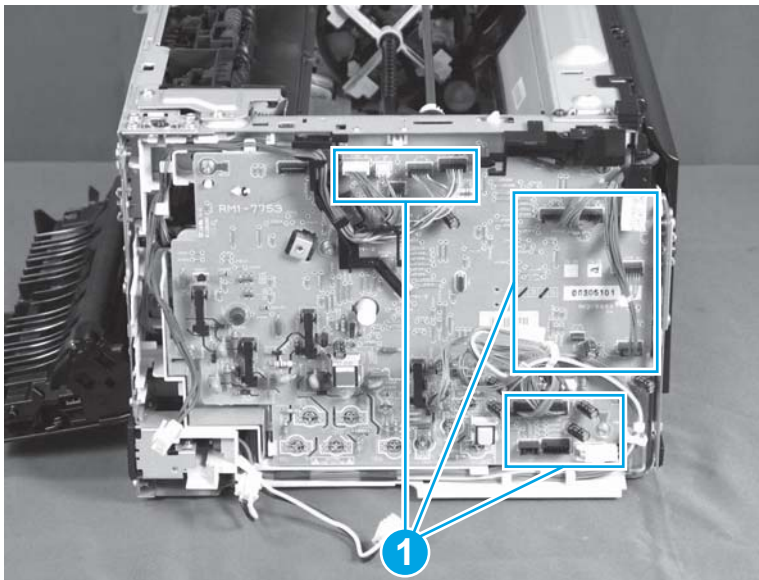
4. Release one boss (callout 1) and remove the switch cover (callout 2).

**Figure 1-68** Remove the engine controller assembly (3 of 6)



5. Disconnect all of eleven connectors (callout 1) on the engine controller PCA.

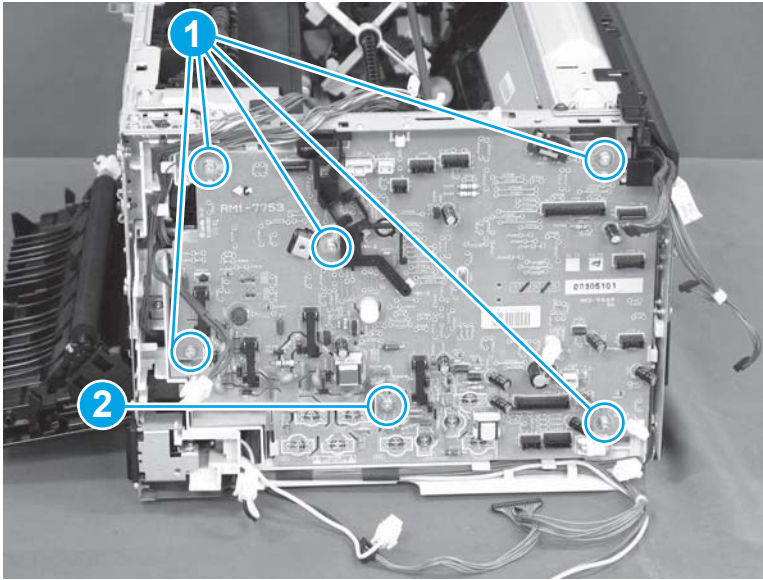
**Figure 1-69** Remove the engine controller assembly (4 of 6)





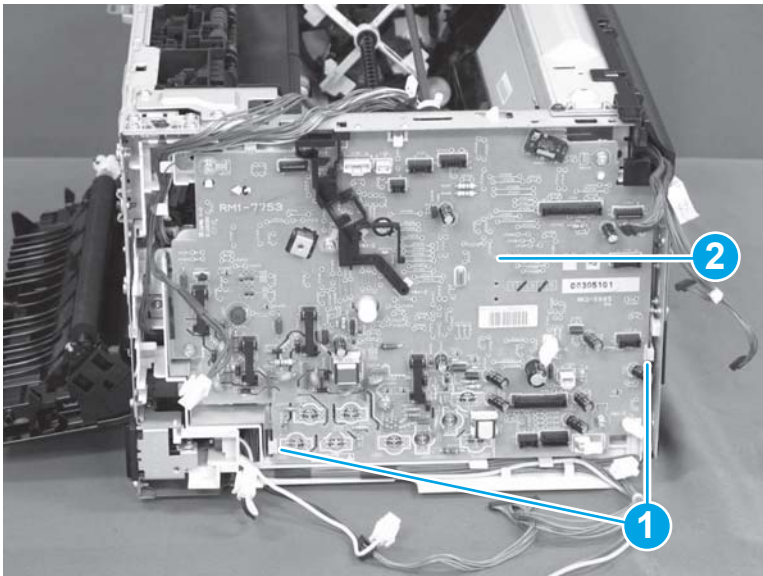
6. Remove five screws with washer (callout 1) and one tapping screw (callout 2).

**Figure 1-70** Remove the engine controller assembly (5 of 6)



7. Release two tabs (callout 1) and remove the engine controller PCA (callout 2).

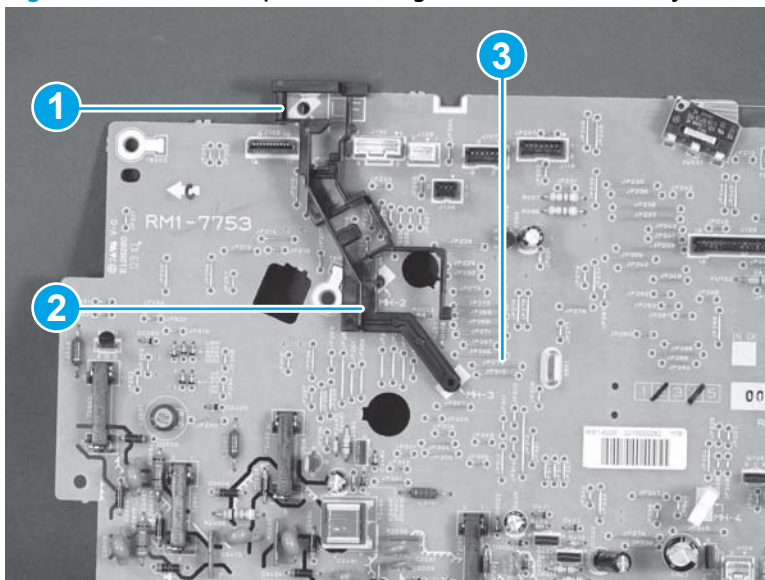
**Figure 1-71** Remove the engine controller assembly (6 of 6)



## Install a replacement engine controller assembly


Release one tab (callout 1), remove the guide (callout 2) from the discarded engine controller assembly (callout 3), and then install the guide on the replacement assembly.

**Figure 1-72** Install a replacement engine controller assembly



## Fuser delivery assembly

 **CAUTION:**  ESD sensitive.


 **NOTE:** If the imaging drum was not removed before servicing the product, remove it now. See [Imaging drum on page 7](#).

### Before proceeding, remove the following components:

- Dust cover, input tray, and extension tray. See [Dust cover, input tray, and extension tray on page 9](#).
- Left cover. See [Left cover on page 12](#).
- Document feeder (M177 model only), scanner, and flat cable cover. See [Document feeder, scanner, and flat cable cover \(M177 model only\) on page 14](#) or [Scanner and flat cable cover \(M176 model only\) on page 16](#).
- Right cover. See [Right cover on page 18](#).
- Top cover. See [Top cover on page 20](#).
- Inner cover. See [Inner cover on page 28](#).
- Fuser cover. See [Fuser cover on page 36](#).

### Remove the fuser delivery assembly

1. Make sure the silver dot is visible in the center fuser opening before removing the fuser delivery assembly. If it is not visible, turn the product on and off again to reset the fuser.

 **CAUTION:** If the silver dot is not visible and the fuser delivery assembly is removed, the gears will not be aligned and it will be difficult to reinstall the fuser delivery assembly.

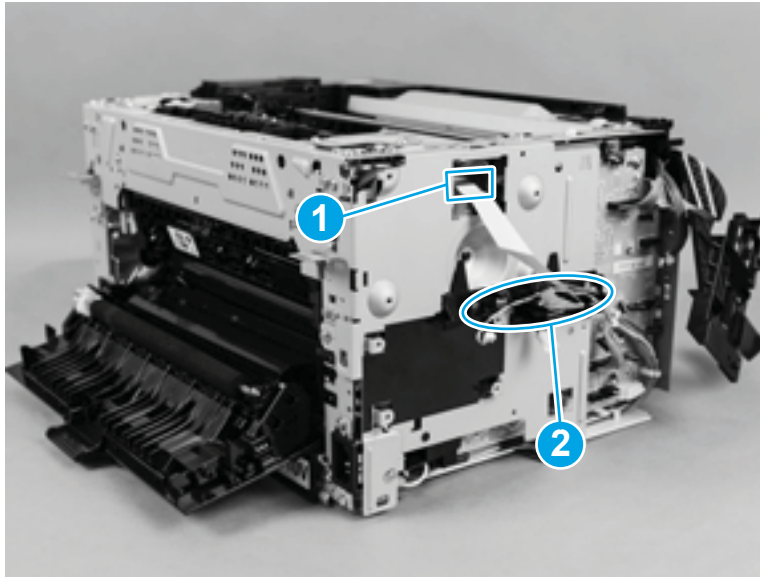
**Figure 1-73** Remove the fuser delivery assembly (1 of 9)





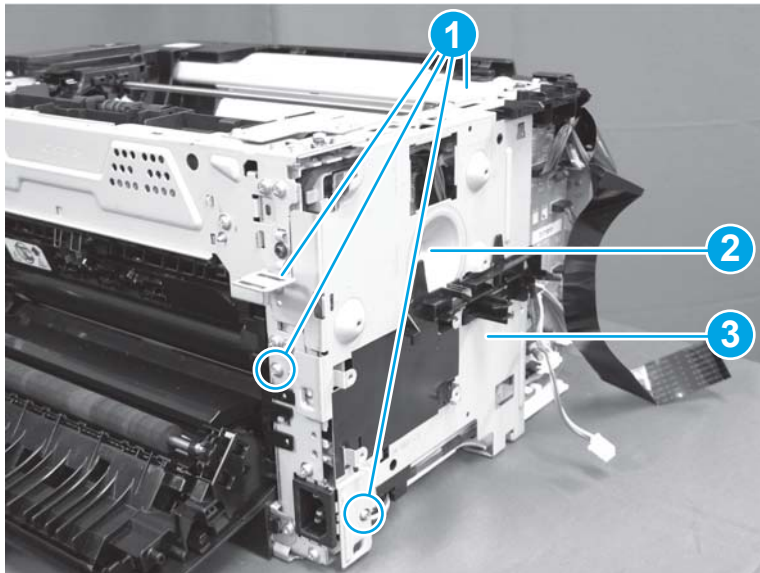
2. Disconnect the formatter-engine FFC (callout 1) and release the cables from the cable guides (callout 2).

**Figure 1-74** Remove the fuser delivery assembly (2 of 9)



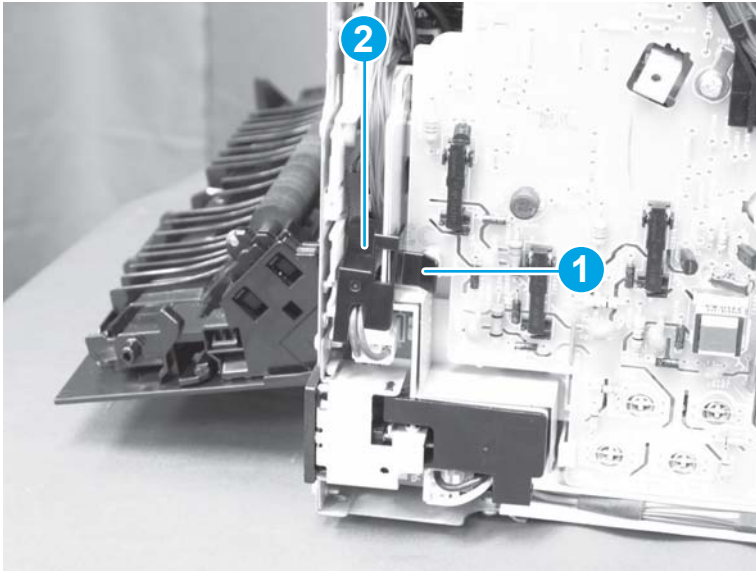
3. Remove four screws (callout 1) and one black screw (callout 2), and then remove the PCA plate (callout 3).

**Figure 1-75** Remove the fuser delivery assembly (3 of 9)



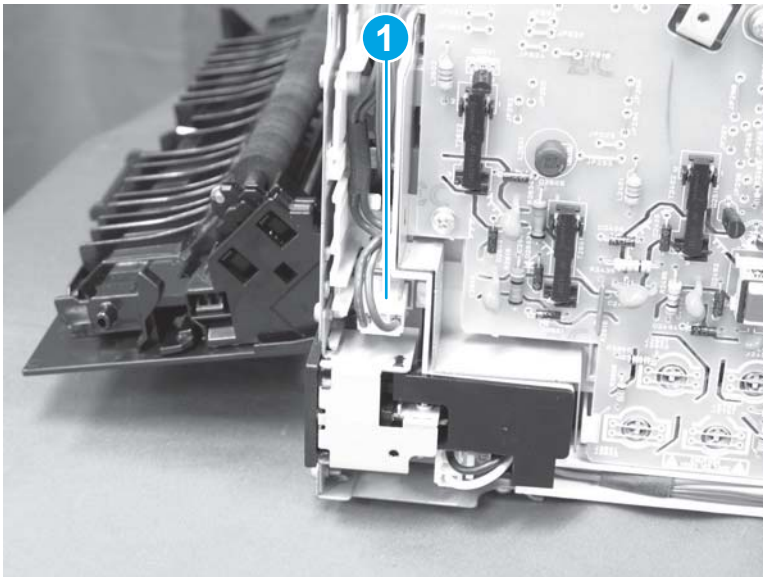
4. Release one tab (callout 1) and remove the cable cover (callout 2).

**Figure 1-76** Remove the fuser delivery assembly (4 of 9)



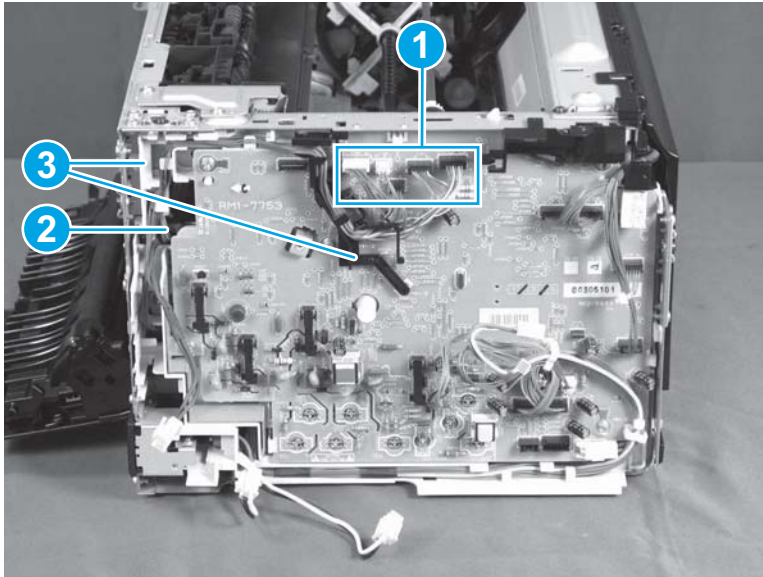
5. Disconnect one connector (callout 1).

**Figure 1-77** Remove the fuser delivery assembly (5 of 9)



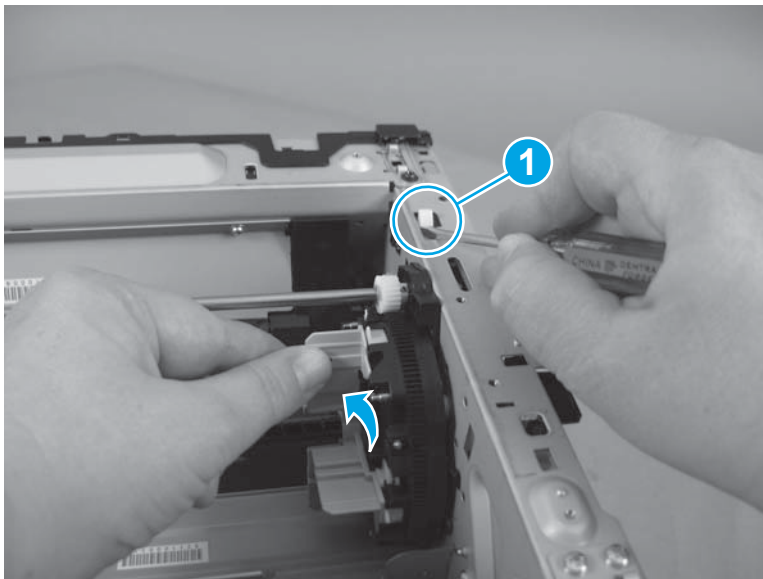
6. Disconnect five connectors (callout 1), and then release the cables (callout 2) from the cable guides (callout 3).

**Figure 1-78** Remove the fuser delivery assembly (6 of 9)



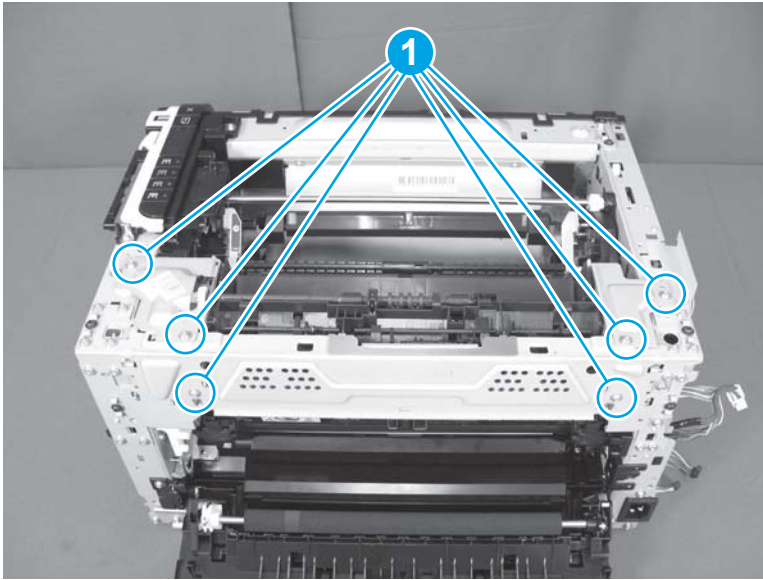
7. Press the cartridge release lever (callout 1) and rotate the toner cartridge carousel toward the front of the product to make more room to remove the fuser delivery assembly.

**Figure 1-79** Remove the fuser delivery assembly (7 of 9)



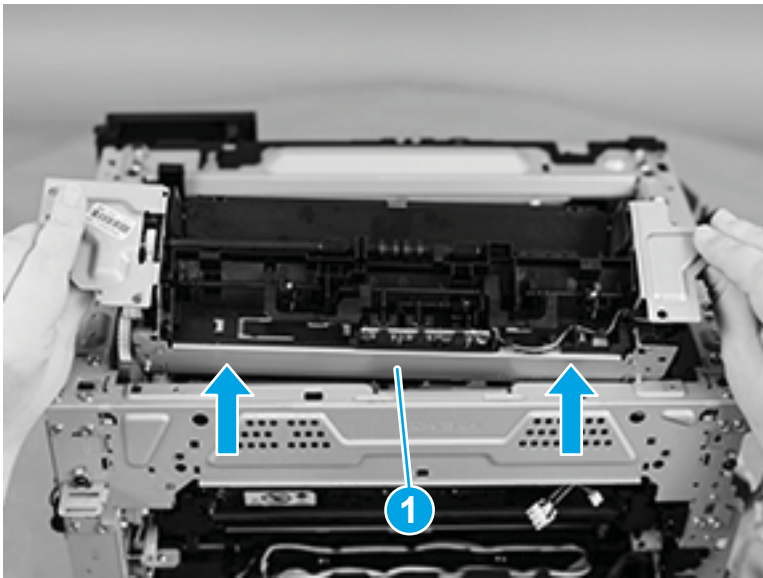
8. Remove six screws (callout 1).

**Figure 1-80** Remove the fuser delivery assembly (8 of 9)




9. Lift the fuser delivery assembly to remove it (callout 1).

**Figure 1-81** Remove the fuser delivery assembly (9 of 9)

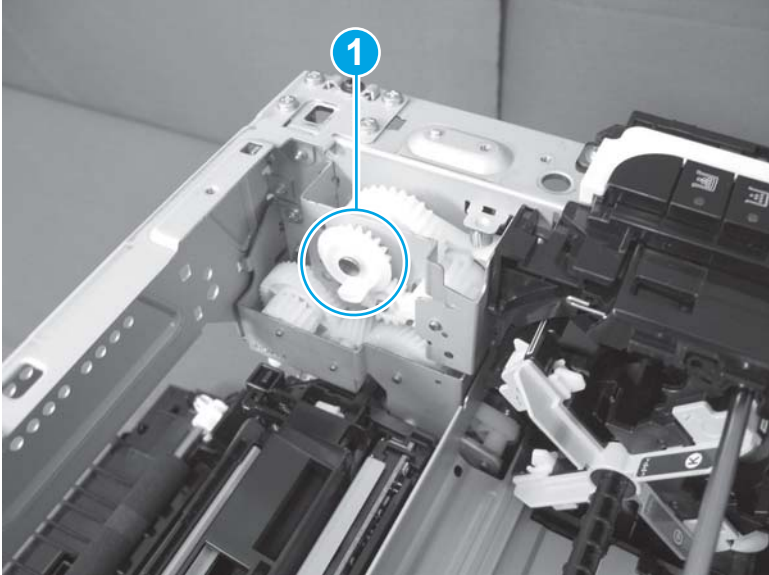


### Reinstall the fuser delivery assembly

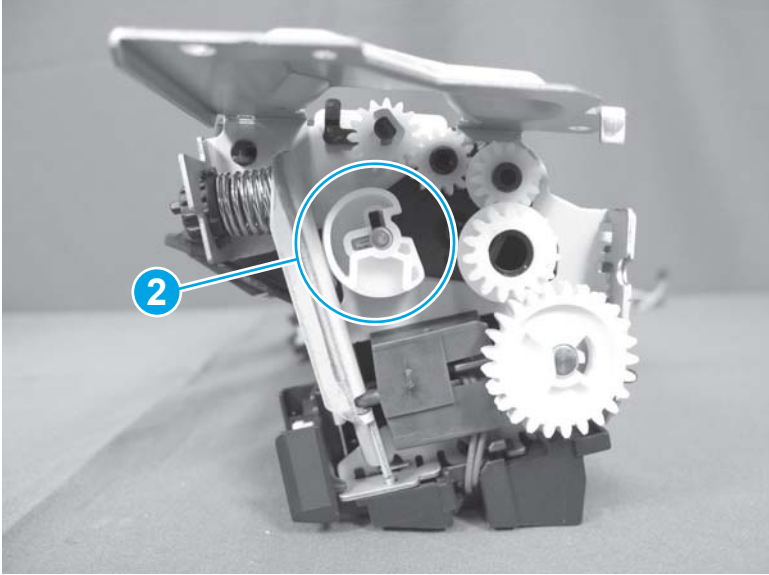
- When reinstalling the fuser delivery assembly, be sure the drive cam (callout 1) for fuser pressure release is positioned as shown below and meets the matching fuser part (callout 2).

 **NOTE:** These parts should be aligned if the product was turned on and off before removing the fuser delivery assembly.

**Figure 1-82** Reinstall the fuser delivery assembly (1 of 3)



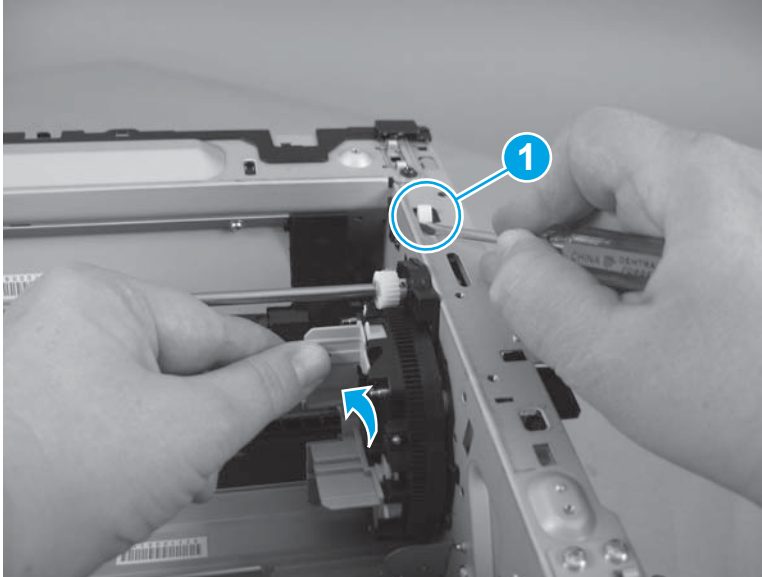
**Figure 1-83** Reinstall the fuser delivery assembly (2 of 3)





- Press the cartridge release lever (callout 1) and rotate the toner cartridge carousel toward the front of the product to make more room to reinstall the fuser delivery assembly.

**Figure 1-84** Reinstall the fuser delivery assembly (3 of 3)




- Thread all of the fuser cables through the opening in the chassis, and then insert the left side of the fuser delivery assembly.

## Intermediate transfer belt (ITB) assembly

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 **CAUTION:**  ESD sensitive.

 **NOTE:** If the imaging drum was not removed before servicing the product, remove it now. See [Imaging drum on page 7](#).

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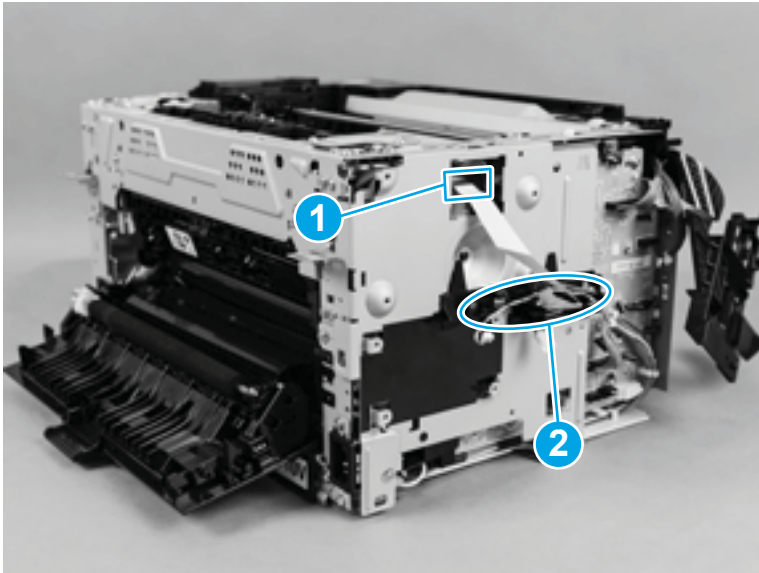
### Before proceeding, remove the following components:

- Dust cover, input tray, and extension tray. See [Dust cover, input tray, and extension tray on page 9](#).
- Left cover. See [Left cover on page 12](#).
- Document feeder (M177 model only), scanner, and flat cable cover. See [Document feeder, scanner, and flat cable cover \(M177 model only\) on page 14](#) or [Scanner and flat cable cover \(M176 model only\) on page 16](#).
- Right cover. See [Right cover on page 18](#).
- Top cover. See [Top cover on page 20](#).
- Inner cover. See [Inner cover on page 28](#).
- Fuser cover. See [Fuser cover on page 36](#).
- Rear door and secondary transfer assembly. See [Rear door and secondary transfer assembly on page 37](#).
- Wireless PCA (M177 model only). [Wireless PCA \(M177 model\) on page 42](#).
- Formatter PCA. See [Formatter PCA \(M176 model\) on page 39](#) or [Formatter PCA \(M177 model\) on page 44](#).
- Fax PCA. See [Fax PCA \(M177 model\) on page 45](#).

## Remove the ITB assembly

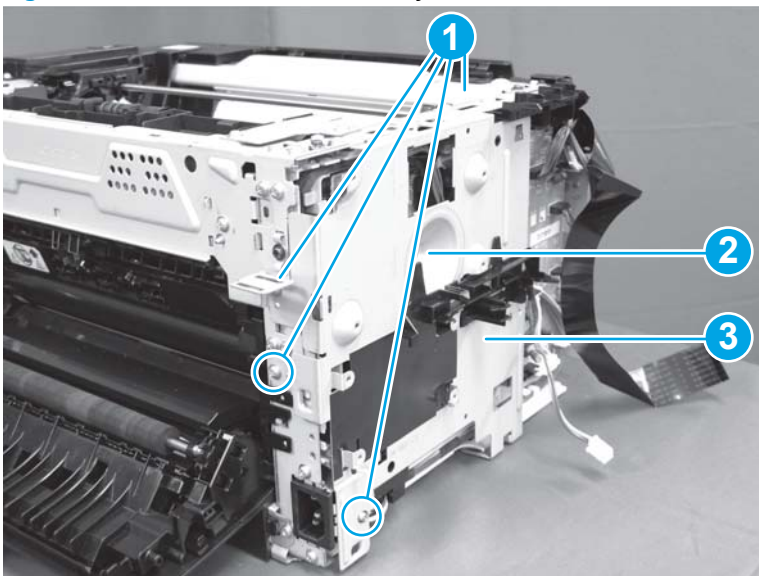
1. Disconnect the formatter-engine FFC (callout 1) and release the cables from the cable guides (callout 2).

**Figure 1-85** Remove the ITB assembly (1 of 17)



2. Remove four screws (callout 1) and one black screw (callout 2), and then remove the PCA plate (callout 3).

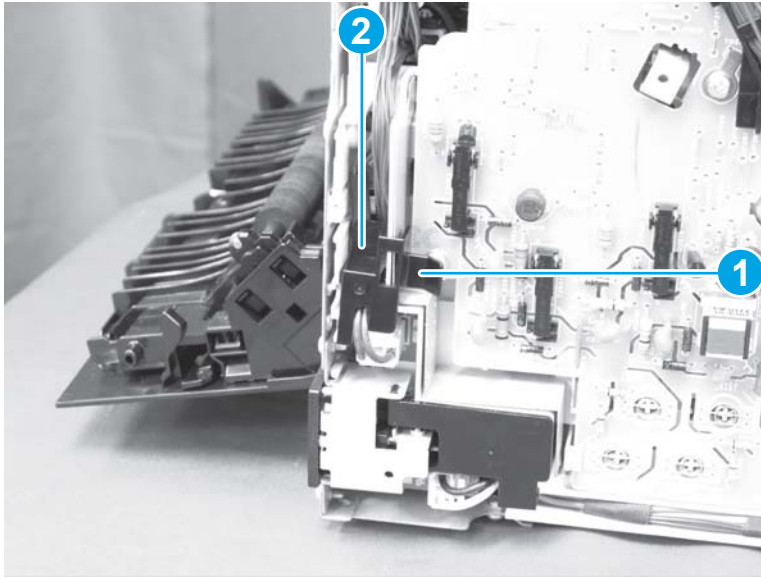
**Figure 1-86** Remove the ITB assembly (2 of 17)





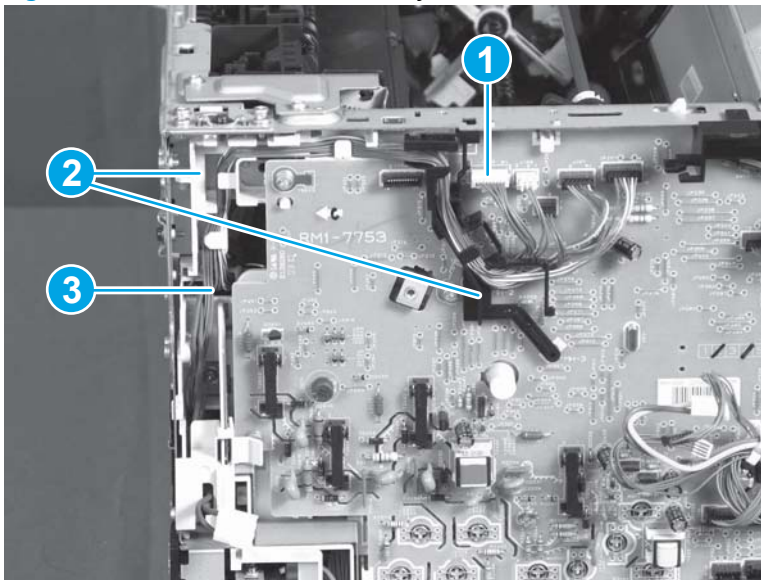
3. Release one tab (callout 1) and remove the cable cover (callout 2).

**Figure 1-87** Remove the ITB assembly (3 of 17)



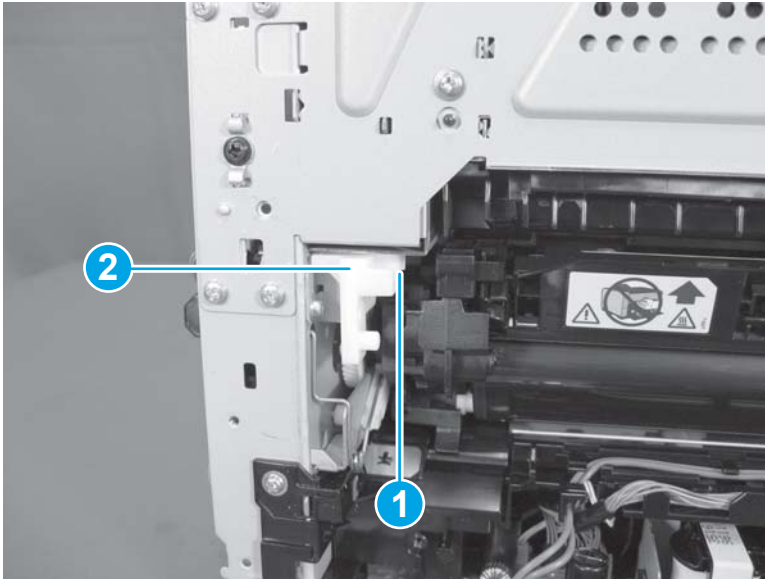
4. Disconnect one connector (callout 1), and release the cable (callout 3) from the cable guides (callout 2).

**Figure 1-88** Remove the ITB assembly (4 of 17)



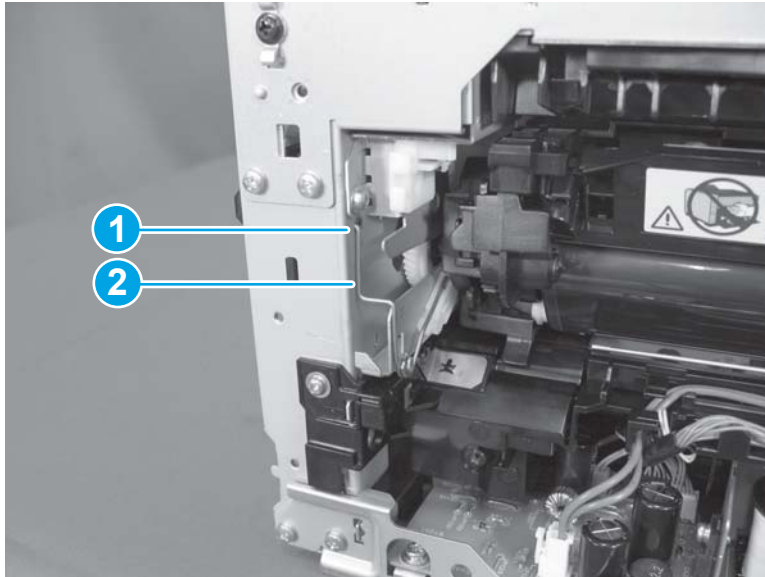
5. Release one tab (callout 1) and remove the rear door arm (callout 2) on the left side.

**Figure 1-89** Remove the ITB assembly (5 of 17)

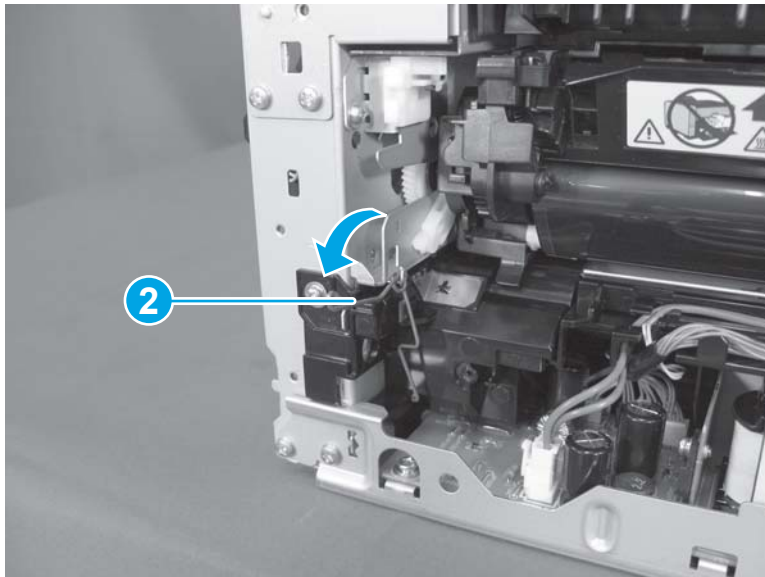


6. Unhook the catching part of the ITB fixing spring (callout 1) and turn the spring (callout 2) toward the front side.

**Figure 1-90** Remove the ITB assembly (6 of 17)

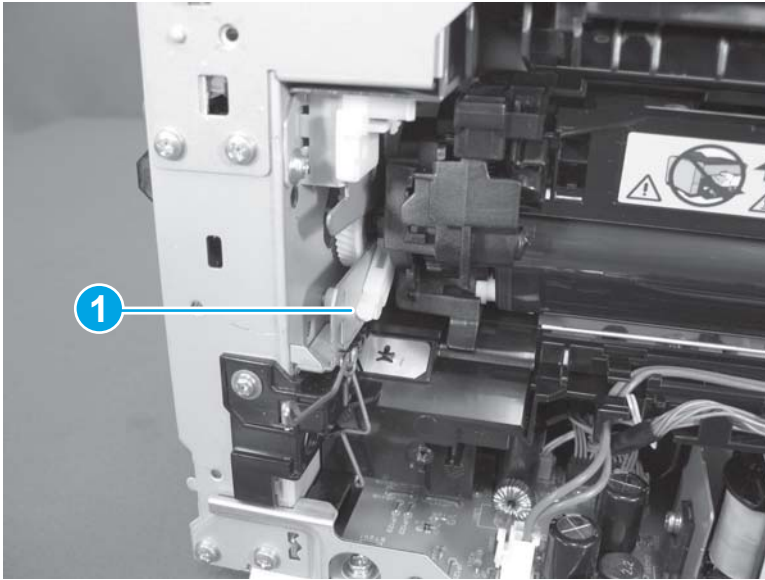


**Figure 1-91** Remove the ITB assembly (7 of 17)

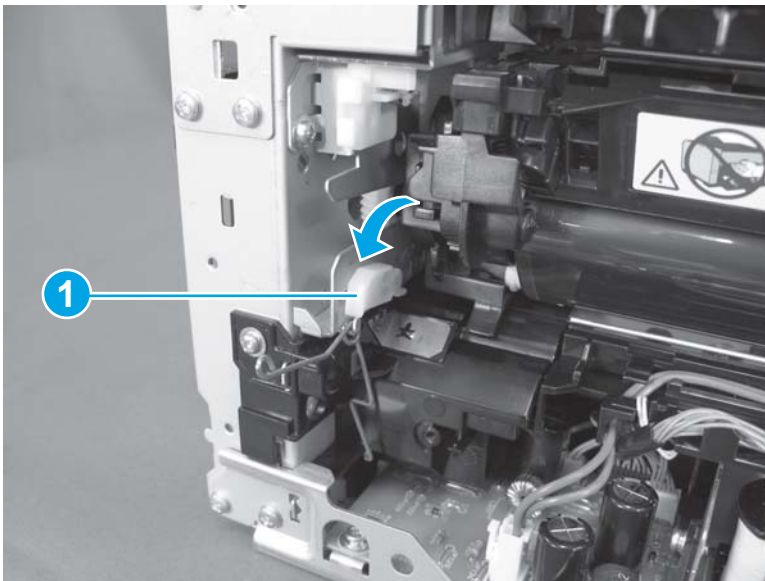


7. Turn the ITB fixing part (callout 1) toward the front side.

**Figure 1-92** Remove the ITB assembly (8 of 17)

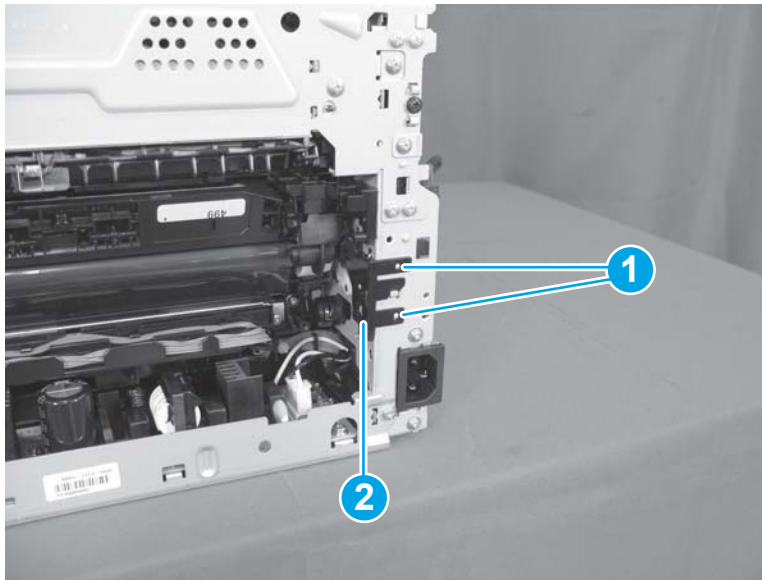


**Figure 1-93** Remove the ITB assembly (9 of 17)



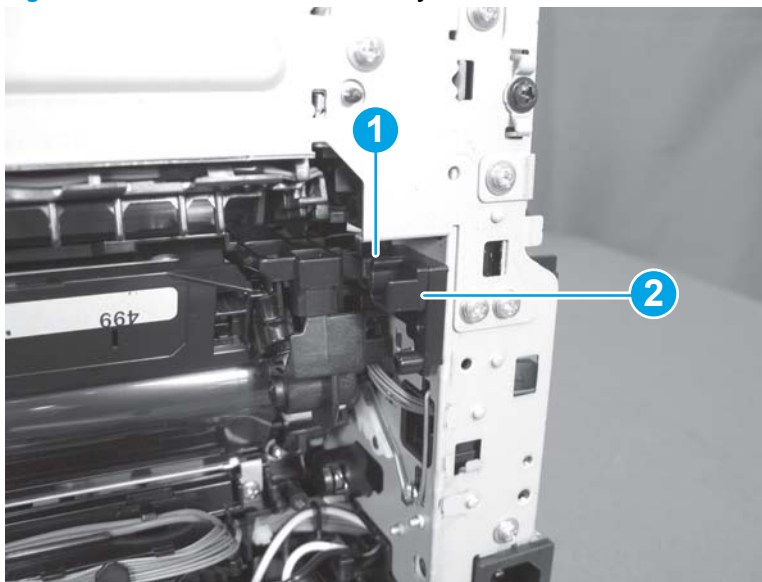
8. Release two tabs (callout 1), and remove the spring cover (callout 2).

**Figure 1-94** Remove the ITB assembly (10 of 17)



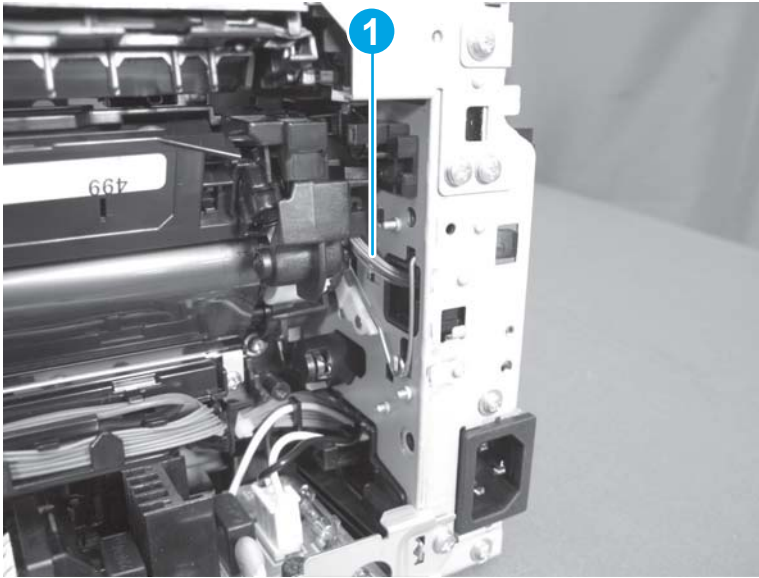
9. Release one tab (callout 1), and remove the rear door arm (callout 2) on the right side.

**Figure 1-95** Remove the ITB assembly (11 of 17)



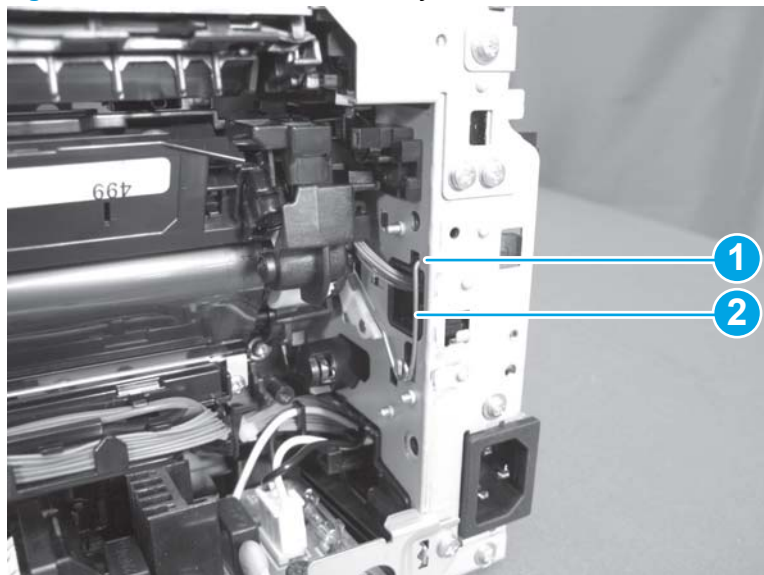
10. Pull out the cables (callout 1).

**Figure 1-96** Remove the ITB assembly (12 of 17)

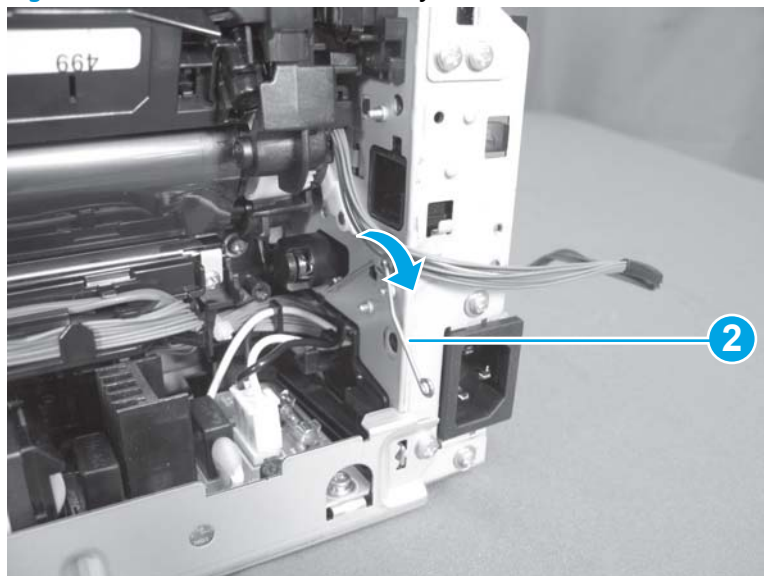


11. Unhook the catching part of the ITB fixing spring (callout 1) and turn the spring (callout 2) toward the front side.

**Figure 1-97** Remove the ITB assembly (13 of 17)



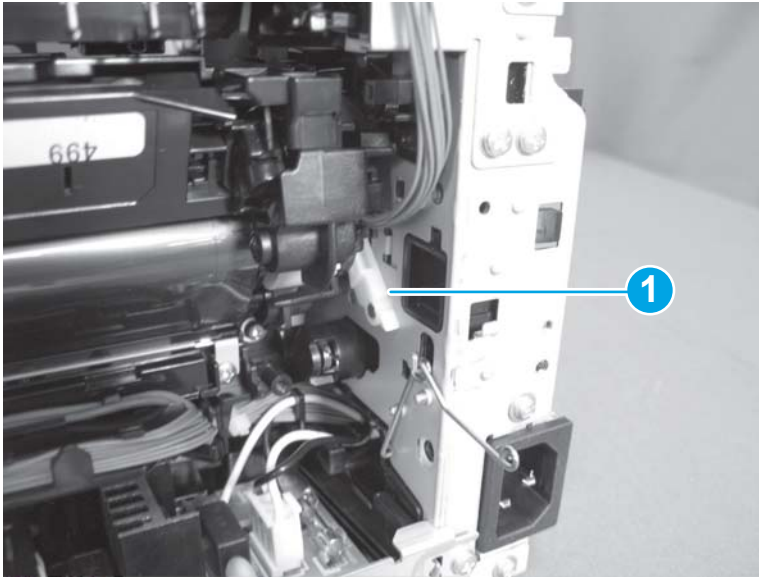
**Figure 1-98** Remove the ITB assembly (14 of 17)



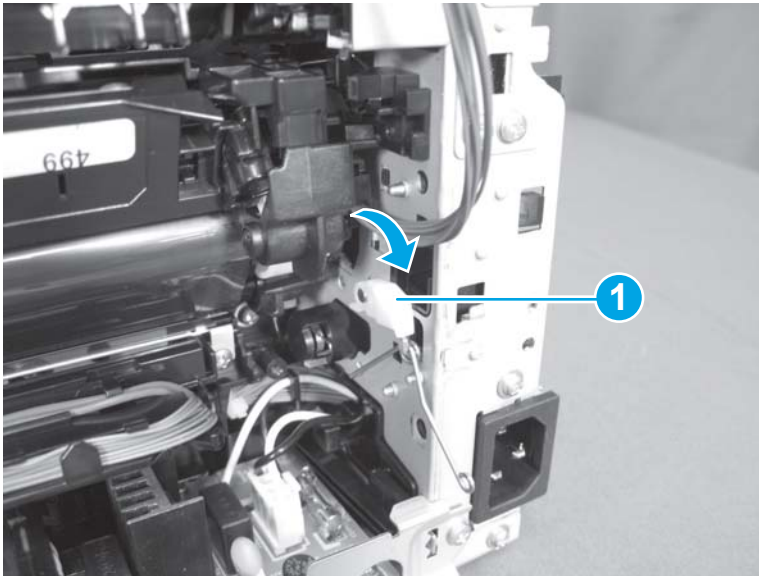


12. Rotate the ITB fixing part (callout 1) so that it faces out of the product.

**Figure 1-99** Remove the ITB assembly (15 of 17)



**Figure 1-100** Remove the ITB assembly (16 of 17)

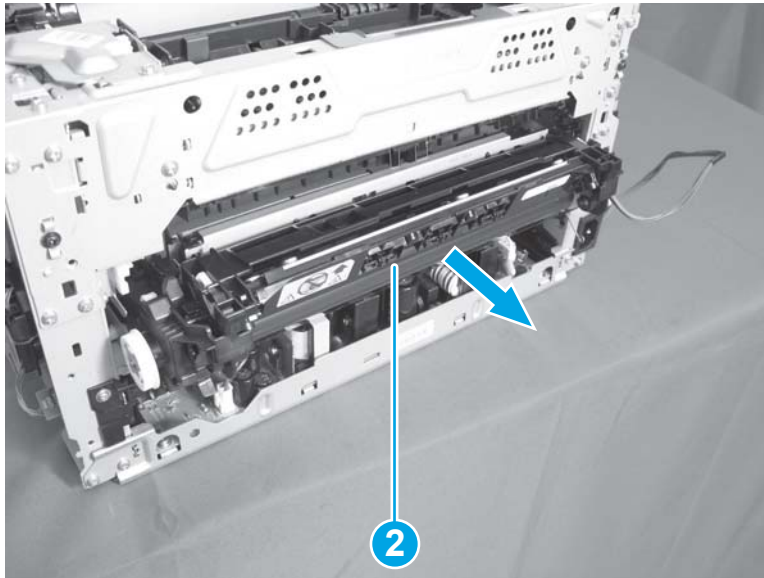




13. Pull the ITB assembly (callout 1) straight out of the product.

**CAUTION:** Avoid touching the black plastic transfer belt. Skin oils on the belt can cause print-quality problems.

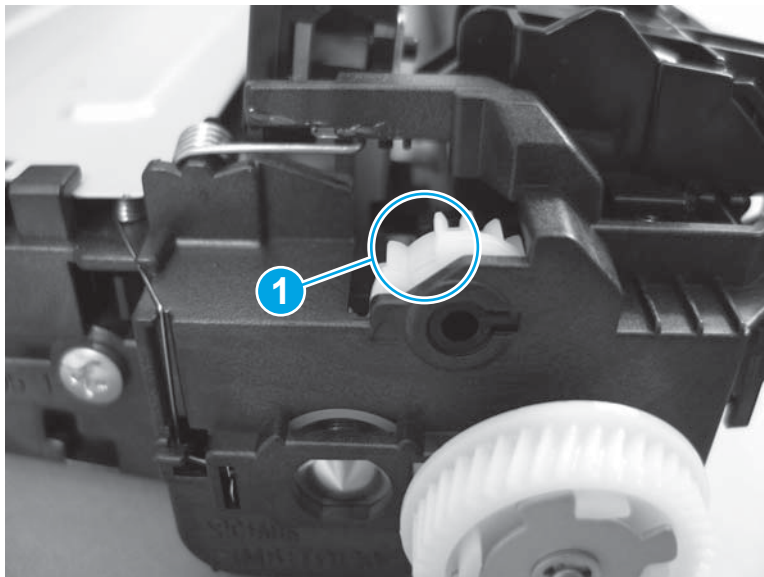
**Figure 1-101** Remove the ITB assembly (17 of 17)



#### Reinstall the ITB assembly

- Before reinstalling the ITB, rotate the small white gear on the left side of the assembly so the gap in the gear (callout 1) lines up with the gap on the frame.

**Figure 1-102** Reinstall the ITB assembly



- Reinstall the right-side spring before reinstalling the spring on the left.

## Low-voltage power supply assembly (LVPS) and support frame

 **CAUTION:**  ESD sensitive.

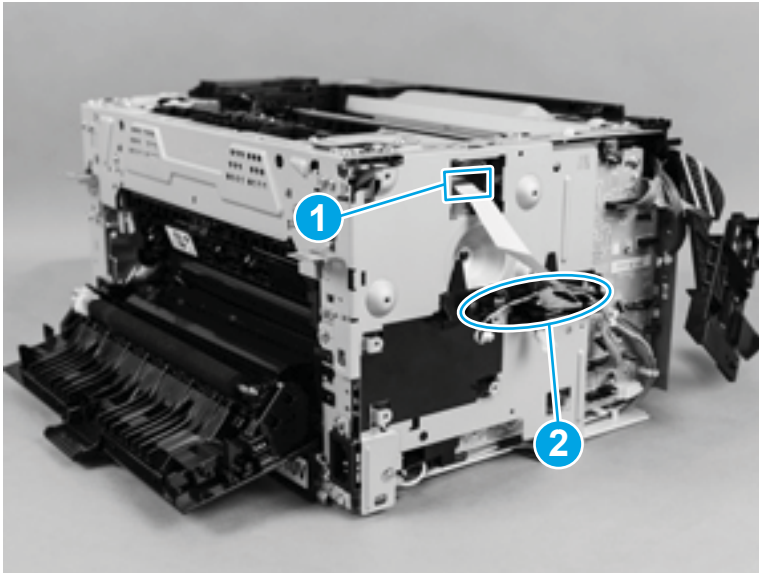
### Before proceeding, remove the following components:

- Left cover. See [Left cover on page 12](#).
- Right cover. See [Right cover on page 18](#).
- Rear door and secondary transfer assembly. See [Rear door and secondary transfer assembly on page 37](#).
- Power supply cover. See [Power supply cover on page 38](#).

### Remove the low-voltage power supply assembly and support frame

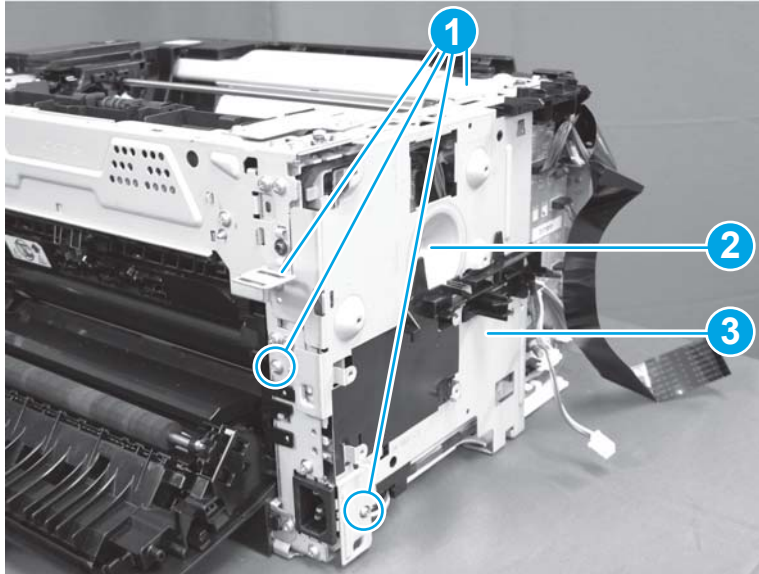
1. Disconnect the formatter-engine FFC (callout 1) and release the cables from the cable guides (callout 2)

**Figure 1-103** Remove the low-voltage power supply assembly and support frame (1 of 10)



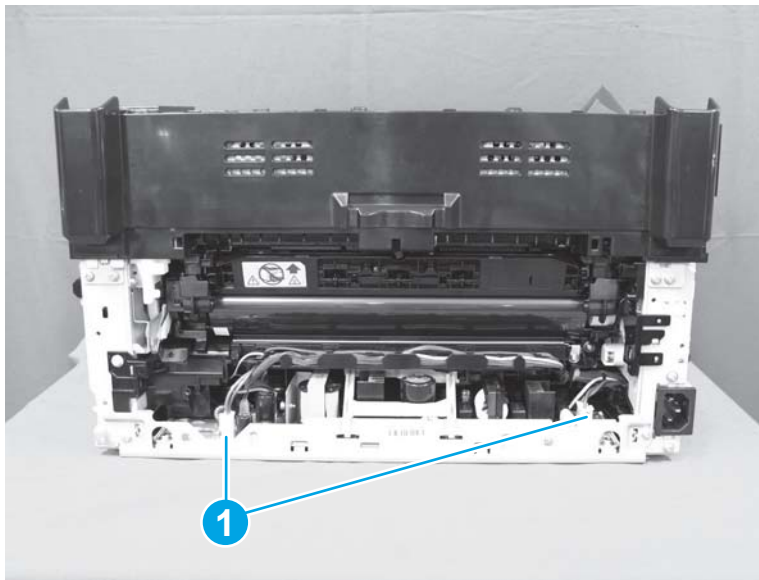
2. Remove four screws (callout 1), one black screw (callout 2), and the PCA plate (callout 3).

**Figure 1-104** Remove the low-voltage power supply assembly and support frame (2 of 10)



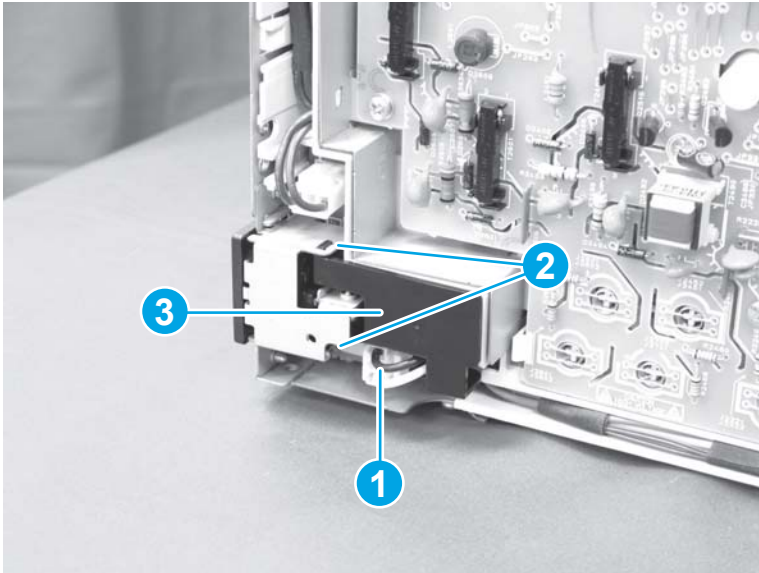
3. Disconnect two connectors (callout 1).

**Figure 1-105** Remove the low-voltage power supply assembly and support frame (3 of 10)



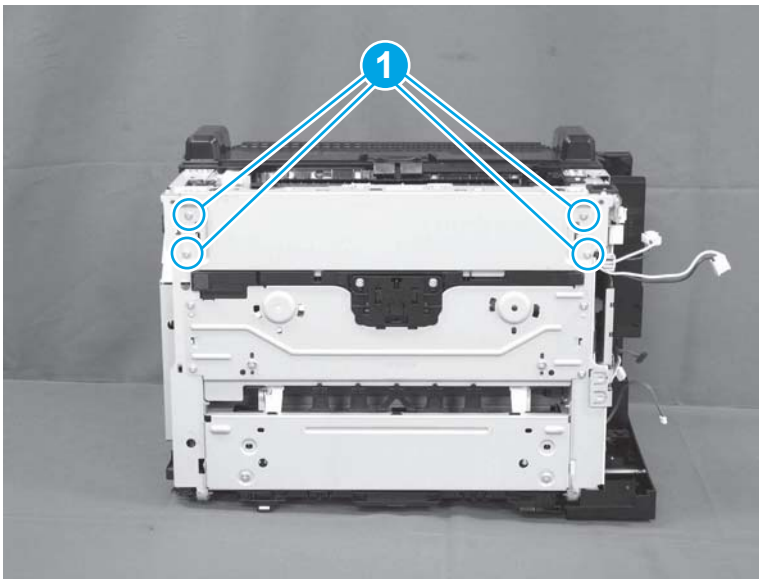
4. Disconnect one connector (callout 1), and then release two tabs (callout 2) and remove the core holder (callout 3).

**Figure 1-106** Remove the low-voltage power supply assembly and support frame (4 of 10)



5. Place the product rear-side up
6. Remove four screws (callout 1).

**Figure 1-107** Remove the low-voltage power supply assembly and support frame (5 of 10)

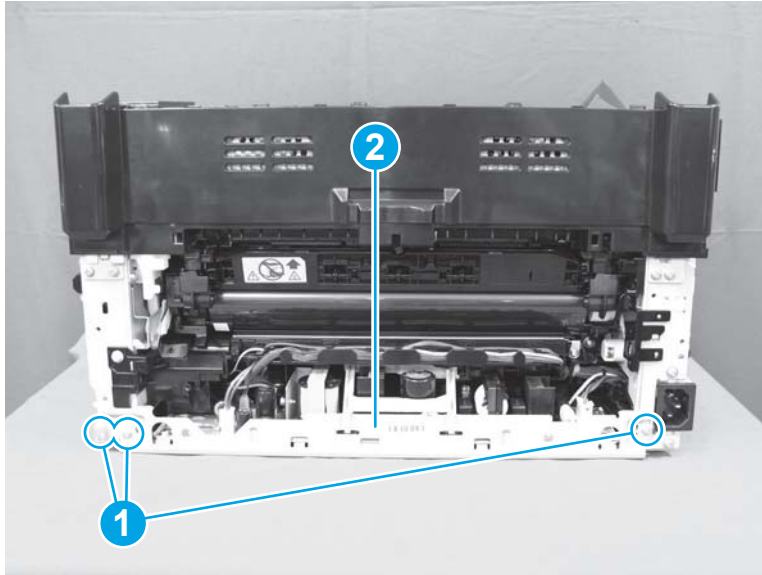


7. Return the product to the upright position.

8. Remove three screws (callout 1), and then separate the low-voltage power supply assembly (callout 2) from the product.

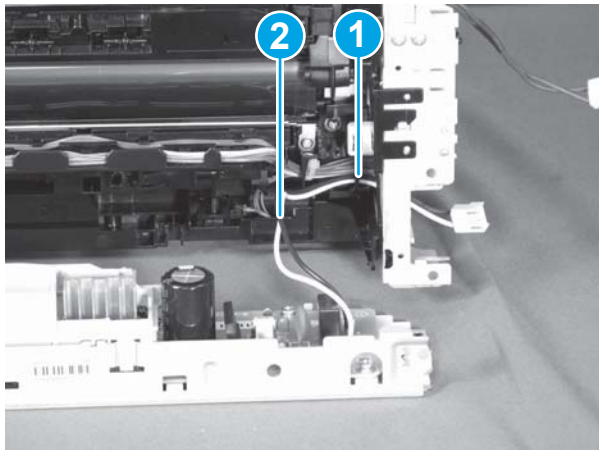
**CAUTION:** Do not attempt to completely remove the low-voltage power supply. The power supply is still connected to the product by three internal connectors.

**Figure 1-108** Remove the low-voltage power supply assembly and support frame (6 of 10)



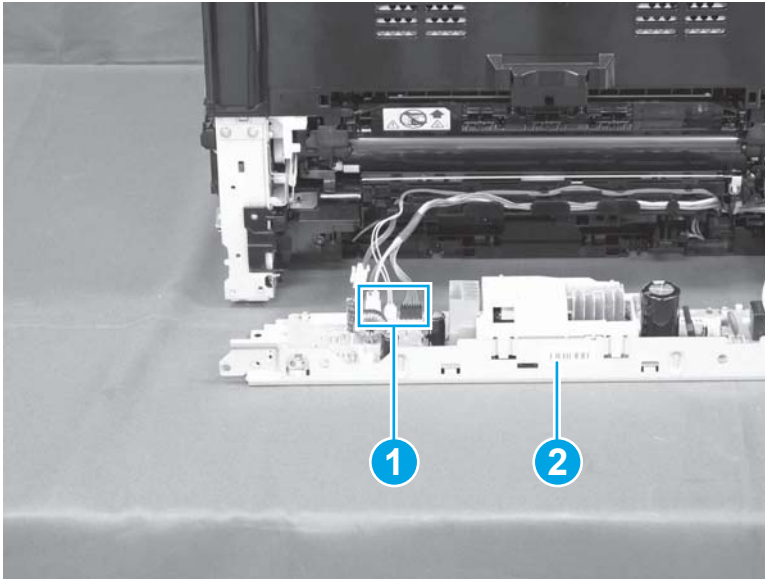
9. Release the cables (callout 2) from the cable guide (callout 1), and then pull the wire harness through the hole in the chassis.

**Figure 1-109** Remove the low-voltage power supply assembly and support frame (7 of 10)



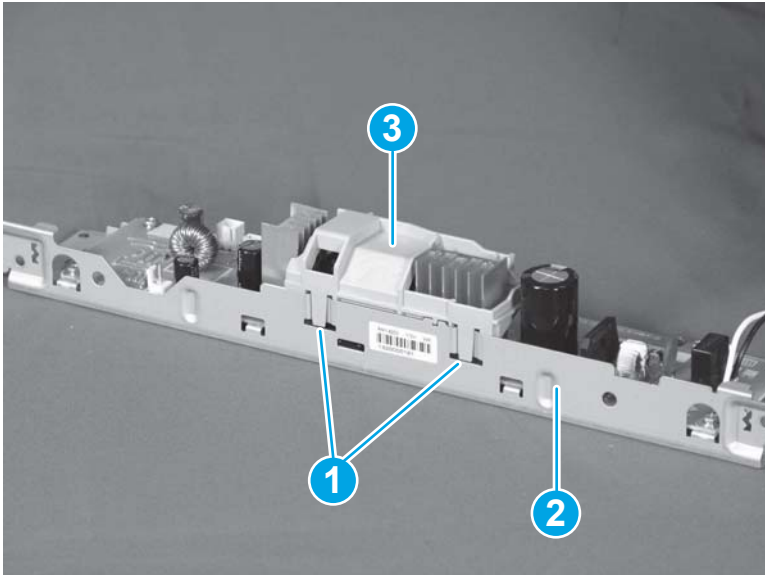
10. Disconnect three connectors (callout 1) and remove the low-voltage power supply (callout 2).

**Figure 1-110** Remove the low-voltage power supply assembly and support frame (8 of 10)



11. Gently release two tabs (callout 1) and remove the support frame (callout 3) from the low-voltage power supply (callout 2).

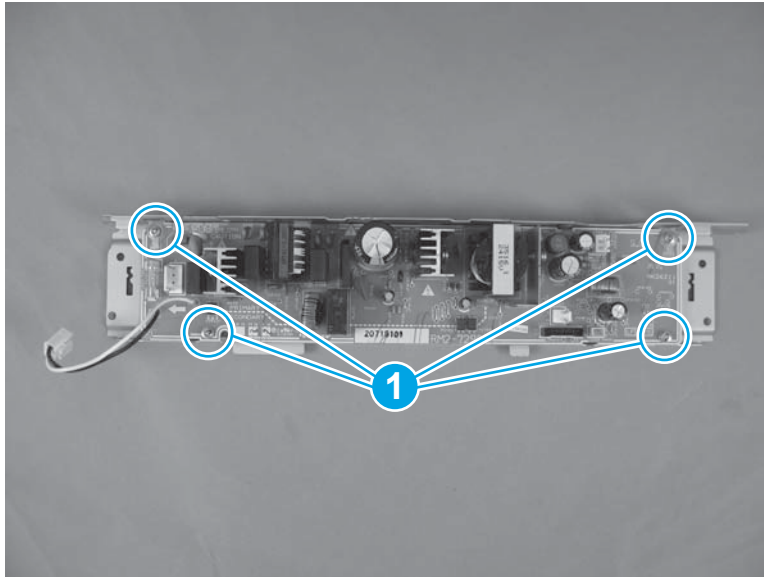
**Figure 1-111** Remove the low-voltage power supply assembly and support frame (9 of 10)





12. Remove four screws (callout 1) from the low-voltage power supply PCA, and remove the PCA from the assembly.

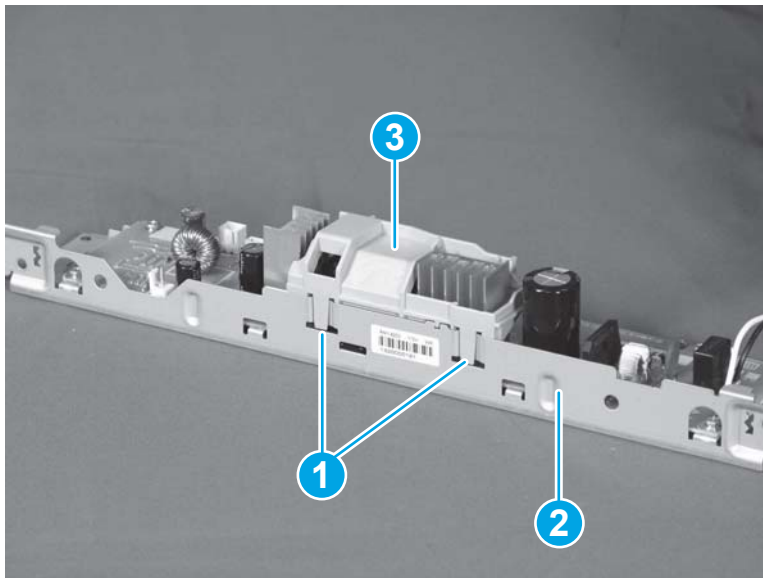
**Figure 1-112** Remove the low-voltage power supply assembly and support frame (10 of 10)



#### Install a replacement low-voltage power supply

Gently release two tabs (callout 1) and remove the support frame (callout 3) from the low-voltage power supply (callout 2). Install the support frame on the replacement assembly.

**Figure 1-113** Install a replacement low-voltage power supply



## Base plate assembly

### Before proceeding, remove the following components:

- Dust cover, input tray, and extension tray. See [Dust cover, input tray, and extension tray on page 9](#).
- Separation pad assembly. See [Separation pad assembly on page 11](#).

### Remove the base plate assembly

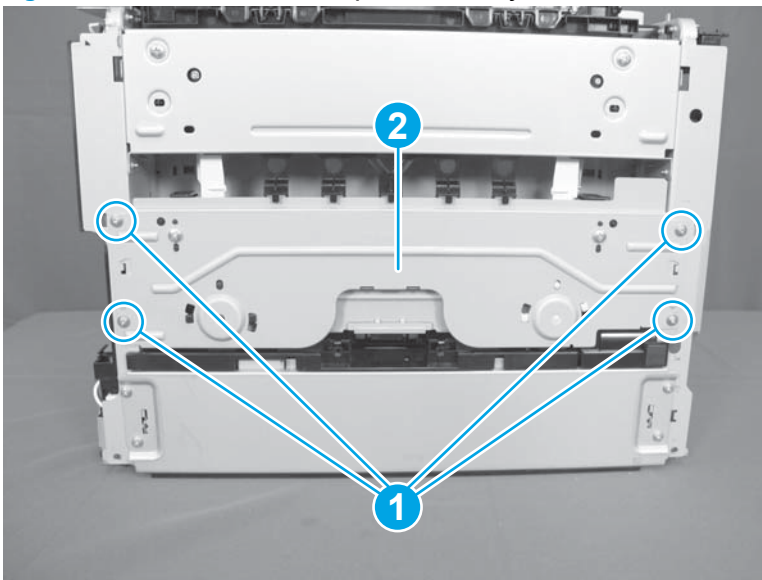
1. Turn the product face up.

**WARNING!** The ADF portion of the document feeder is not captive and can open when the product is placed face up. Make sure that to support the ADF when handling the product.

**NOTE:** Dirt and debris can scratch the surface of the product. Make sure that to place the product face up on a clean work space or on a clean soft cloth.

2. Remove four screws (callout 1), and then remove the base plate (callout 2).

**Figure 1-114** Remove the base plate assembly





## Paper pickup roller

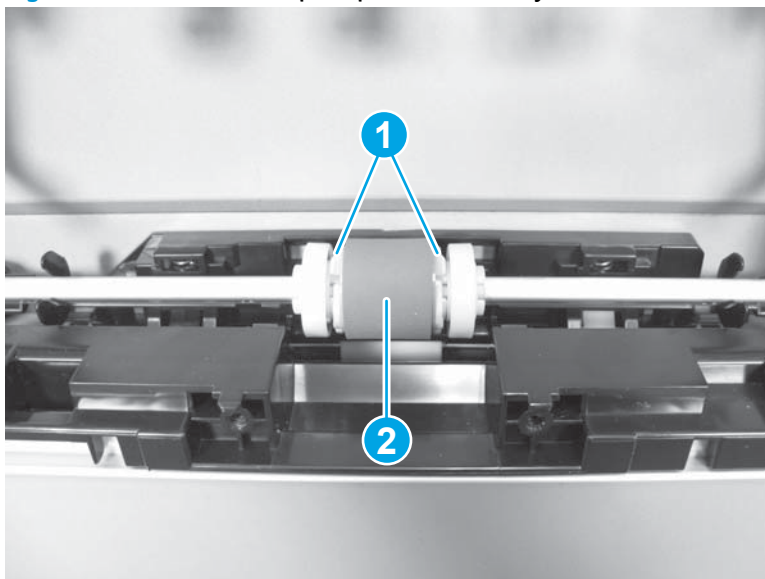
### Remove the following components:

- Dust cover, input tray, and extension tray. See [Dust cover, input tray, and extension tray on page 9](#).
- Separation pad assembly. See [Separation pad assembly on page 11](#).
- Base plate assembly. See [Base plate assembly on page 78](#).

### Remove the pickup roller assembly

- ▲ Release two tabs (callout 1) and remove the pickup roller (callout 2).

**Figure 1-115** Remove the pickup roller assembly




## Scanner and document feeder components

This section describes replacement and removal of individual scanner and document feeder components.

### Before proceeding, remove the following components:

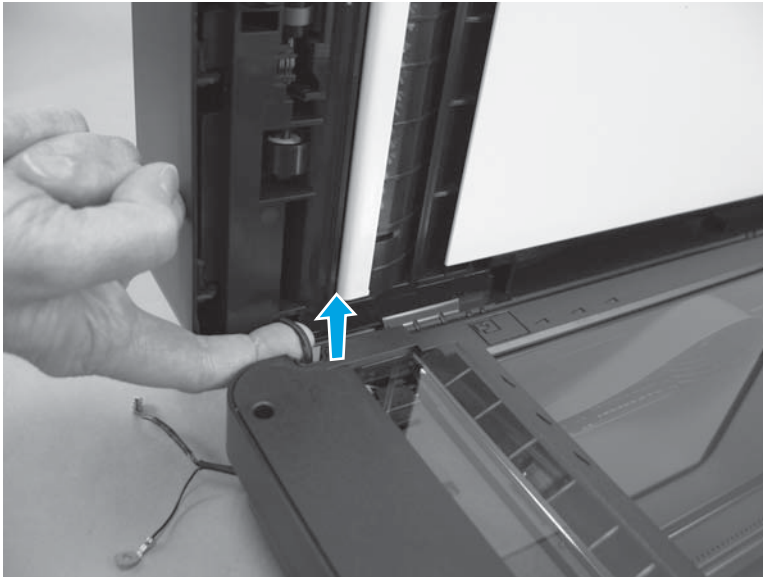
- M177 model: Document feeder, scanner, and flat cable cover. See [Document feeder, scanner, and flat cable cover \(M177 model only\) on page 14](#).
- M176 model: Scanner and flat cable cover. See [Scanner and flat cable cover \(M176 model only\) on page 16](#).

### Separate the scanner lid or document feeder from the scan base


 **NOTE:** The photos in the following procedure are of a model that has a document feeder. Other models might look slightly different, but the procedure is the same.

1. **Document feeder models only:** Pull the document-feeder cable through the opening.

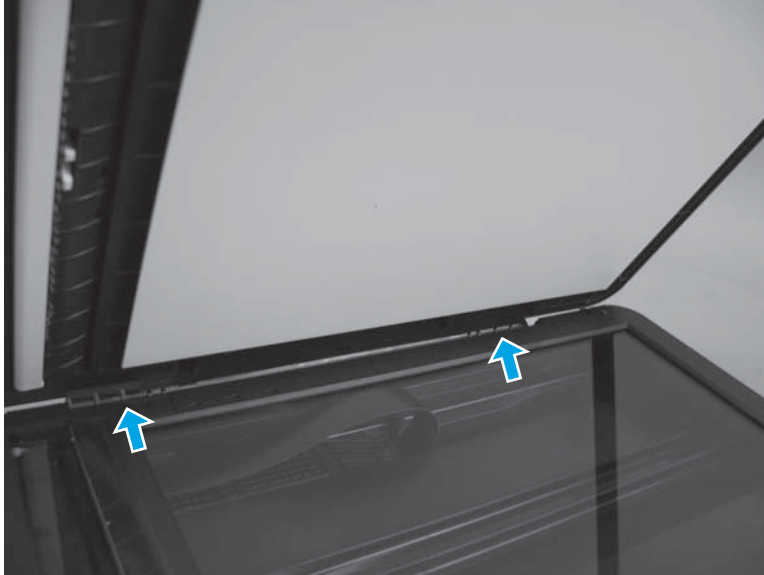
**Figure 1-116** Separate the scanner lid or document feeder from the scan base (1 of 2)



2. Open the scanner lid or document feeder, and tilt it slightly forward. Push down and back on each of the two hinges to release them.

 **NOTE:** This step requires some force, but it is easier to first tilt the scanner lid or document feeder forward.


**Figure 1-117** Separate the scanner lid or document feeder from the scan base (2 of 2)




## Scanner components

Before proceeding, separate the scanner lid or document feeder from the scan base. See [Separate the scanner lid or document feeder from the scan base on page 80](#).

### Scan bezel

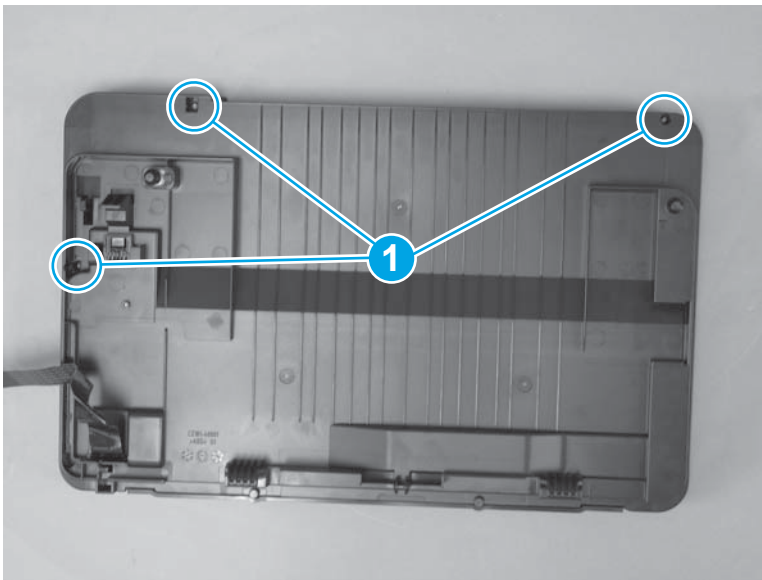
 **NOTE:** The photos in the following procedure are of a model that has a document feeder. Other models might look slightly different, but the procedure is the same.

 **CAUTION:** Perform these procedures in a dust-free environment.

**CAUTION:** The components inside of the scan assembly are not captive when the bezel is removed.

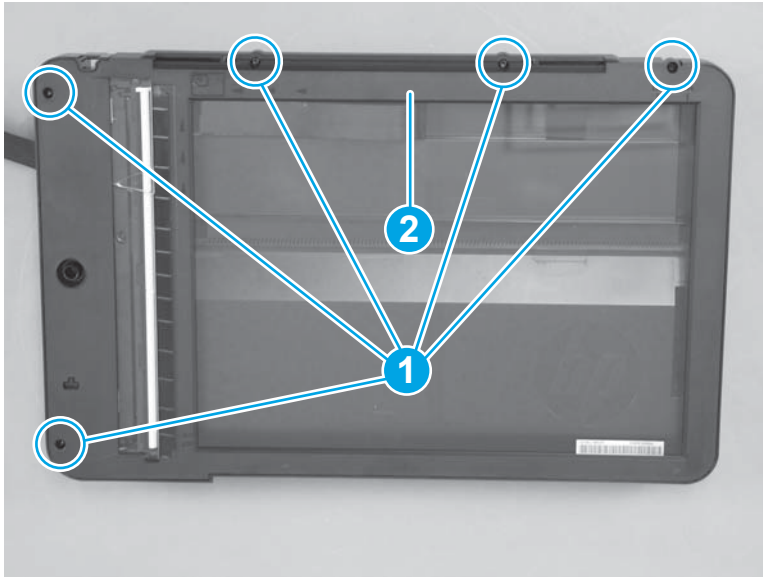
1. Place the scan assembly glass-side-down, and remove three Torx T9 screws (callout 1).

**Figure 1-118** Remove the scan bezel (1 of 2)



2. Turn the scan assembly over, and remove five Torx T10 screws (callout 1), and lift the scan bezel (callout 2) off the scan assembly.


**Figure 1-119** Remove the scan bezel (2 of 2)




## Scan drive system

### Before proceeding, remove the following components:

- Scan bezel. See [Scan bezel on page 82](#).

 **NOTE:** The photos in the following procedure are of a model that has a document feeder. Other models might look slightly different, but the procedure is the same.

 **CAUTION:** Perform these procedures in a dust-free environment.

**CAUTION:** The components inside of the scan assembly are not captive when the bezel is removed.

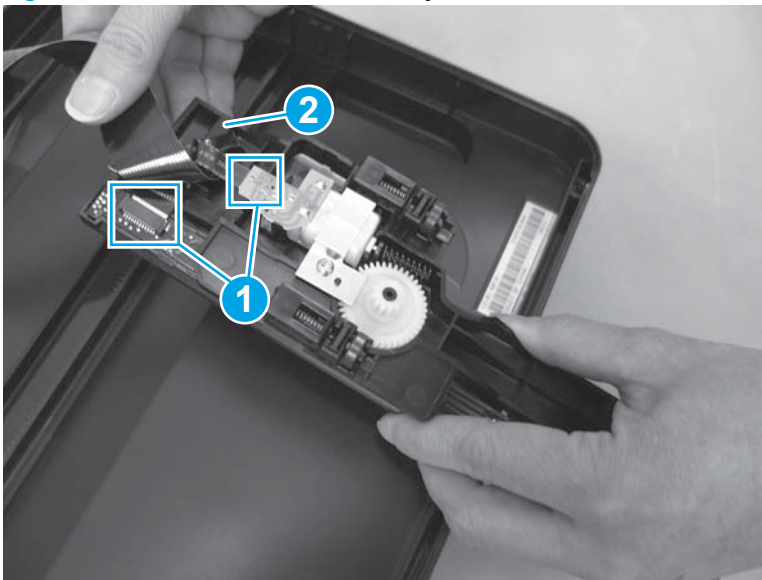
### Remove the scan drive system

1. Lift the scan drive system out of the scanner, and turn it over.

 **CAUTION:** The scan drive system is still connected to the scanner assembly by the FFC.

2. Disconnect the two FFC connectors (callout 1) and unthread the FFC from the guide (callout 2), and then remove the scan drive system.


**Figure 1-120** Remove the scan drive system




## Scan FFC cable

### Before proceeding, remove the following components:

- Scan bezel. See [Scan bezel on page 82](#).
- Scan drive system. See [Scan drive system on page 84](#).

 **NOTE:** The photos in the following procedure are of a model that has a document feeder. Other models might look slightly different, but the procedure is the same.

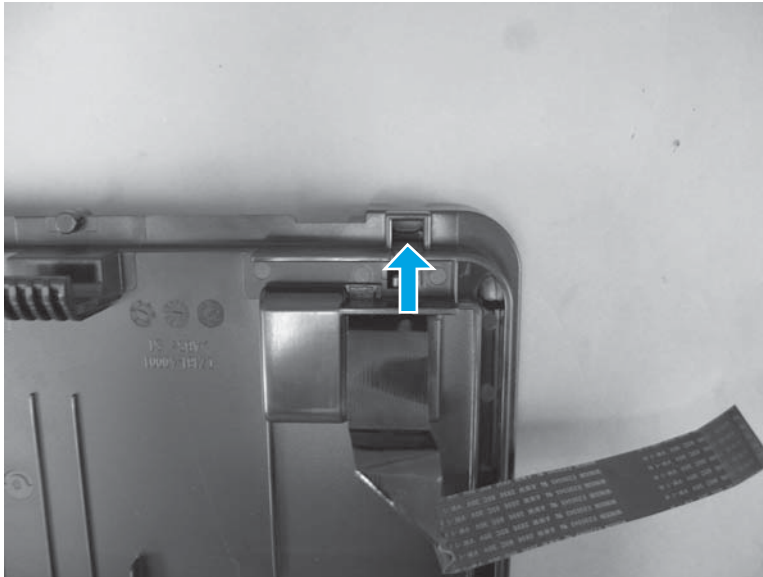
 **CAUTION:** Perform these procedures in a dust-free environment.

**CAUTION:** The components inside of the scan assembly are not captive when the bezel is removed.

### Remove the scan FFC cable

1. From the bottom of the scan assembly, push the tab on the FFC cover through the opening.

**Figure 1-121** Remove the scan FFC cable (1 of 3)



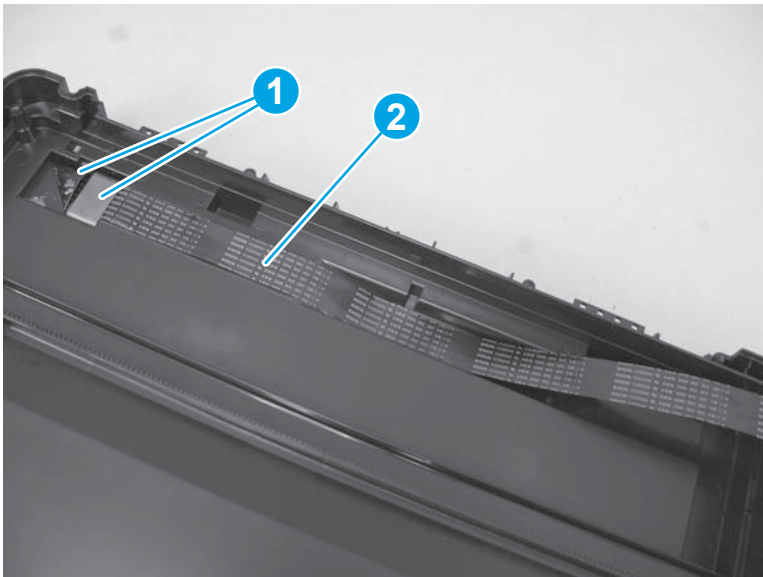
2. Pull the FFC cover off of the FFC.

**Figure 1-122** Remove the scan FFC cable (2 of 3)



3. Unthread the FFC through the ferrite and the guides (callout 1), and then loosen the adhesive to remove the FFC (callout 2).

**Figure 1-123** Remove the scan FFC cable (3 of 3)





## Scan motor

### Before proceeding, remove the following components:

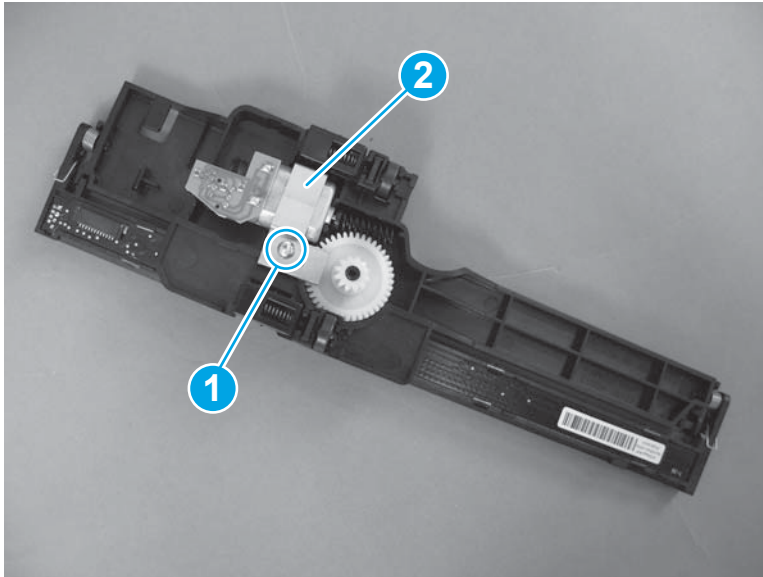
- Scan bezel. See [Scan bezel on page 82](#).
- Scan drive system. See [Scan drive system on page 84](#).

**CAUTION:** Perform these procedures in a dust-free environment.

### Remove the scan motor

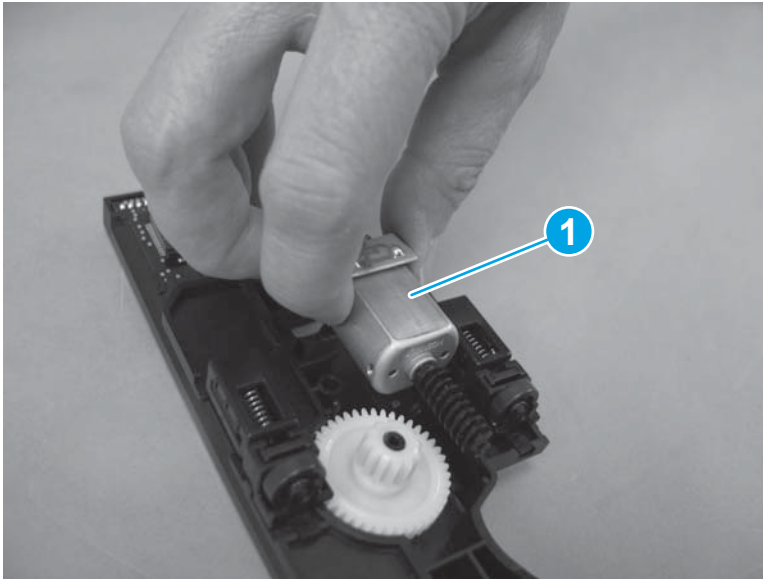
1. On the bottom of the scan drive system, remove one Torx T10 screw (callout 1), and lift off the metal bracket (callout 2).

**Figure 1-124** Remove the scan motor (1 of 2)




2. Pull the motor straight up to remove it (callout 1).

**Figure 1-125** Remove the scan motor (2 of 2)



---

 **Reinstallation tip** When reinstalling the scan motor, position the metal bracket so the tab is visible in the notch on the opposite side of the scan drive system.

---

**Figure 1-126** Reinstall the scan motor



## Scanner spring assembly

Before proceeding, remove the following components:

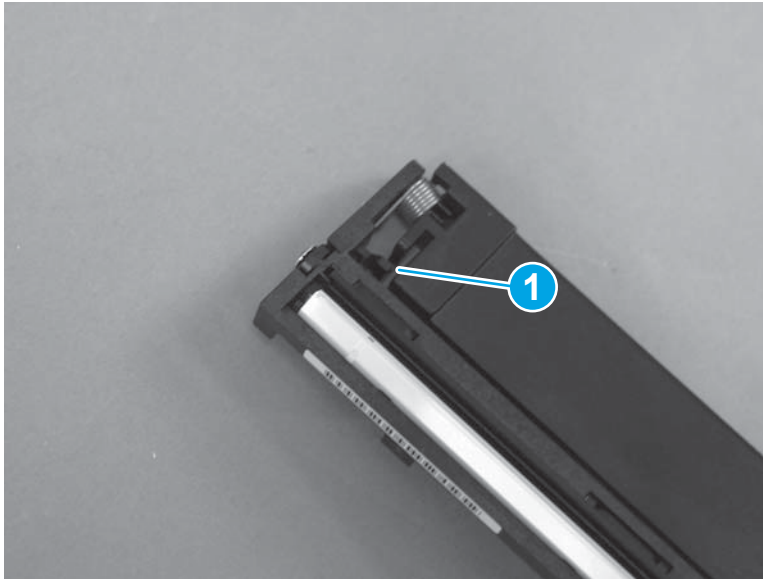
- Scan bezel. See [Scan bezel on page 82](#).
- Scan drive system. See [Scan drive system on page 84](#).

**CAUTION:** Perform these procedures in a dust-free environment.

### Remove the scanner spring assembly

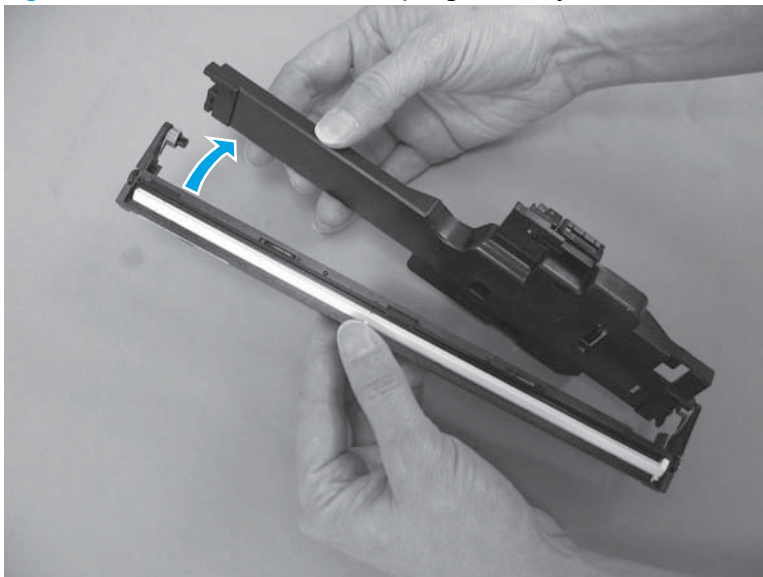
1. Release one tab (callout 1).


**Figure 1-127** Remove the scanner spring assembly (1 of 2)



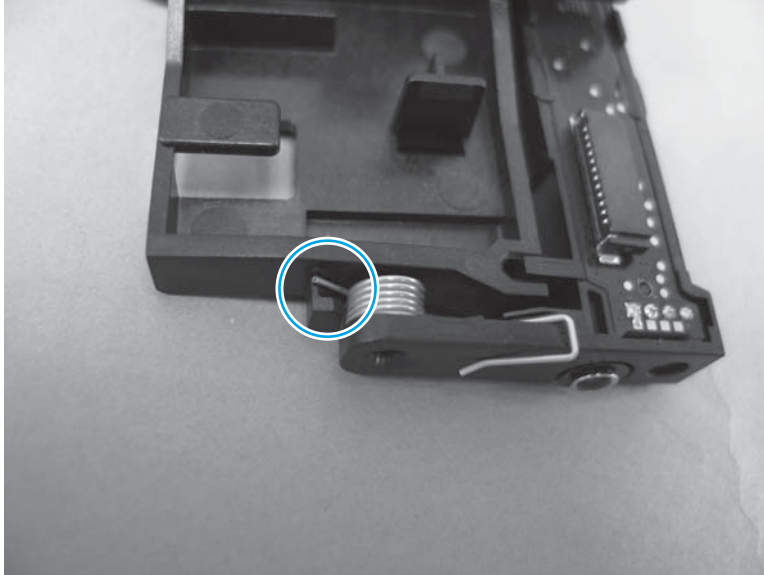
2. Pivot the spring assembly away from the scan drive chassis.

**Figure 1-128** Remove the scanner spring assembly (2 of 2)



 **Reinstallation tip** When reinstalling the scanner spring assembly, position the spring at each end so that the short wire rests in the notch on the bottom of the scan drive chassis.

**Figure 1-129** Reinstall the scanner spring assembly



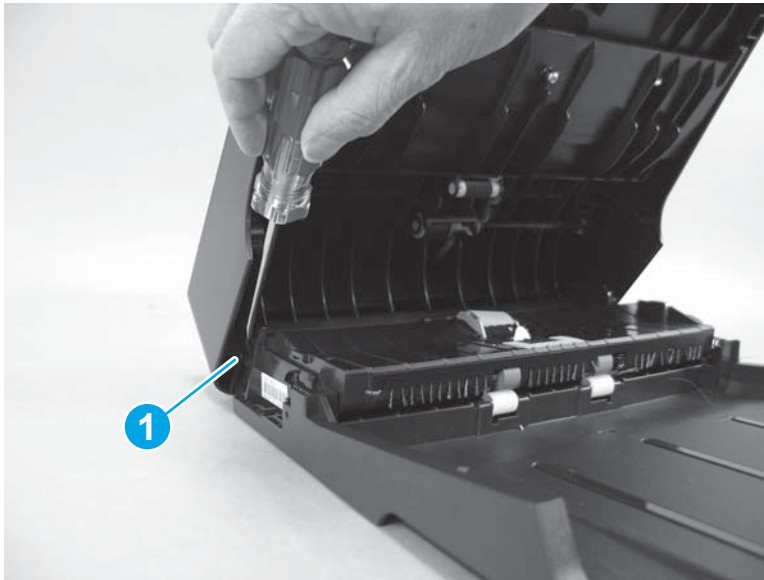
## Document feeder components

Before proceeding, separate the scanner lid or document feeder from the scan base. See [Separate the scanner lid or document feeder from the scan base on page 80](#).

### Document feeder (ADF) top cover

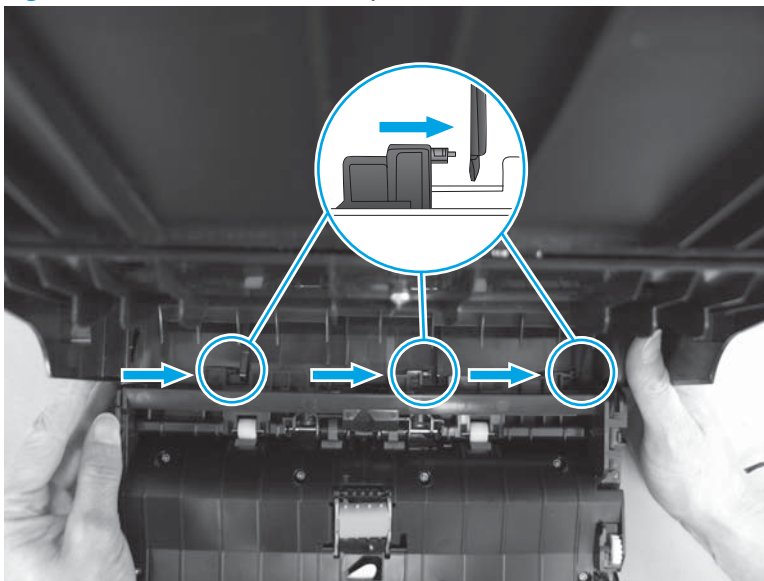
1. Open the ADF top cover. Use a small flat blade screwdriver to release one hinge pin (callout 1), and then fully open the ADF cover.

**Figure 1-130** Remove the ADF top cover (1 of 2)



2. Slide the cover toward the rear of the ADF to release the rear hinge pins, and then lift up to remove the cover.

**Figure 1-131** Remove the ADF top cover (2 of 2)



## ADF core

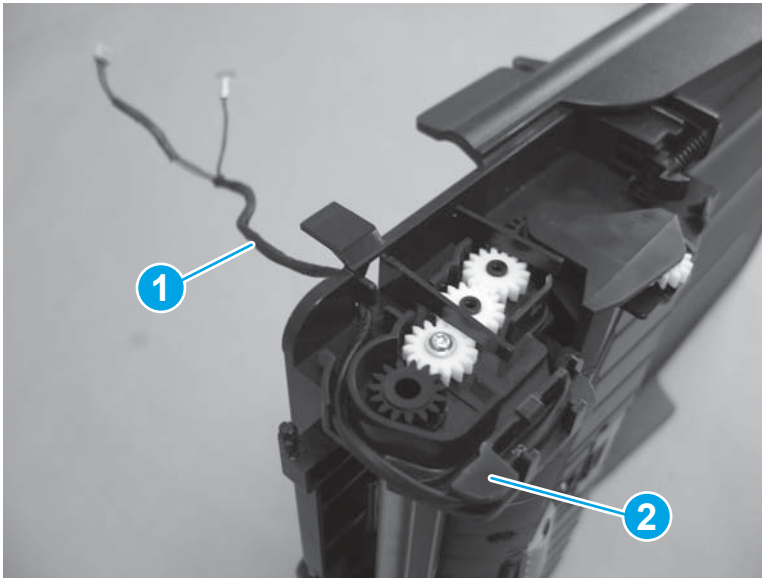
### Before proceeding, remove the following components:

- ADF top cover. See [Document feeder \(ADF\) top cover on page 91](#).

### Remove the ADF core

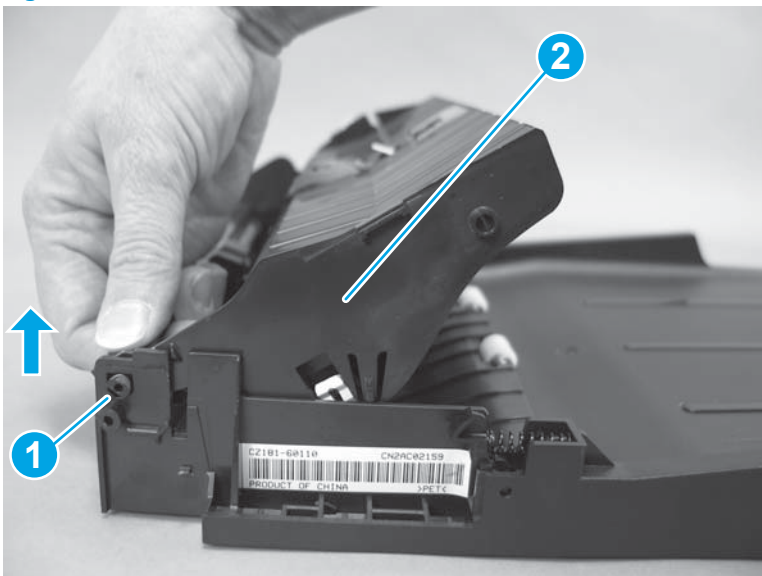
1. At the rear of the ADF core, carefully feed the wire harness (callout 1) through the slot in the guides (callout 2).

**Figure 1-132** Remove the ADF core (1 of 2)



2. Open the ADF core, and then flex the chassis to release one hinge pin (callout 1). Lift the ADF core (callout 2) straight up to remove it.

**Figure 1-133** Remove the ADF core (2 of 2)



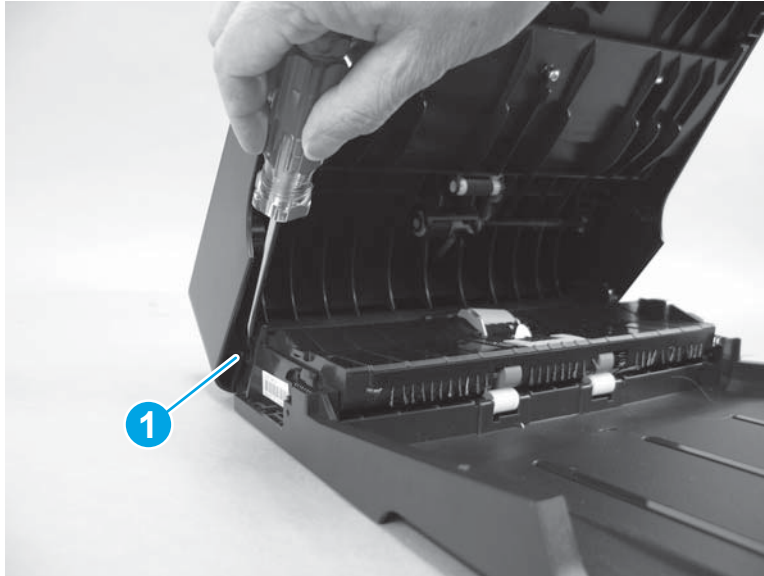


## ADF separation pad

### Remove the ADF separation pad

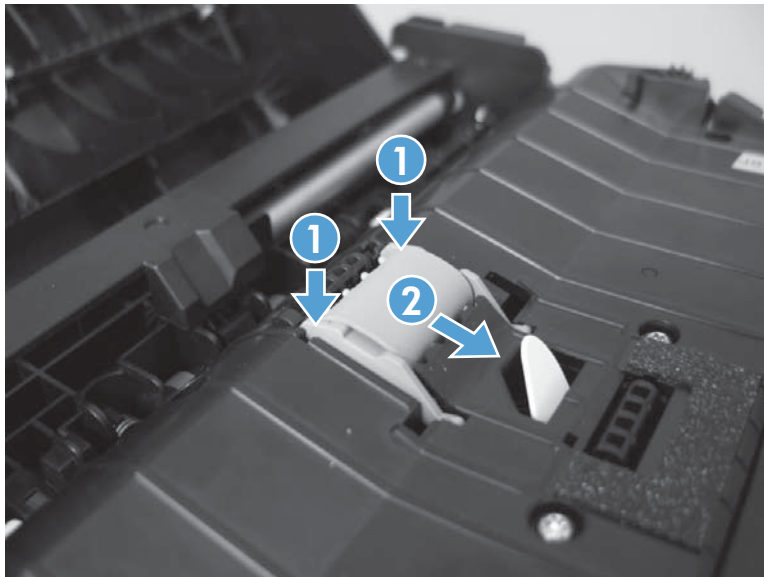
1. Open the ADF top cover. Use a small flat blade screwdriver to release one hinge pin (callout 1), and then fully open the ADF cover.

**Figure 1-134** Remove the ADF separation pad assembly (1 of 3)



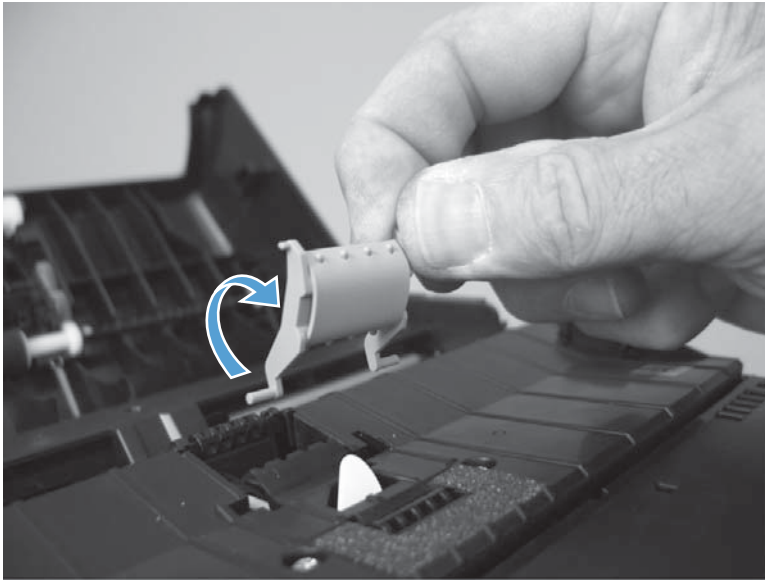
2. Push down on the edges of the assembly (callout 1), and then move it toward the right side of the product (callout 2).

**Figure 1-135** Remove the ADF separation pad assembly (2 of 3)



3. Remove the assembly.

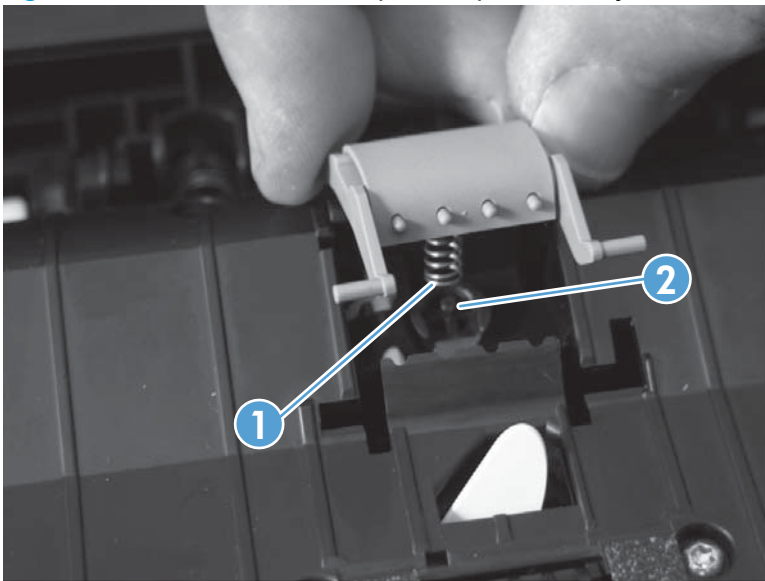
**Figure 1-136** Remove the ADF separation pad assembly (3 of 3)



#### Reinstall the ADF separation pad assembly

1. Place the base of the spring (callout 1) on the pedestal (callout 2).

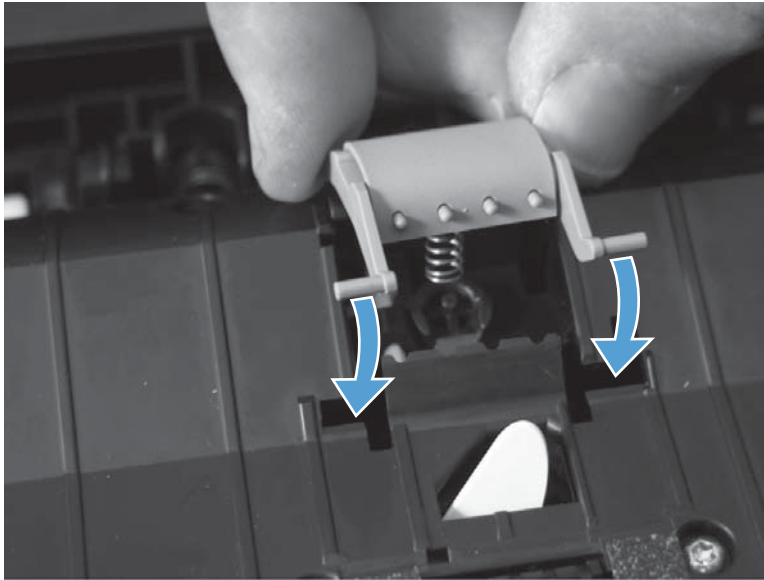
**Figure 1-137** Reinstall the ADF separation pad assembly (1 of 5)





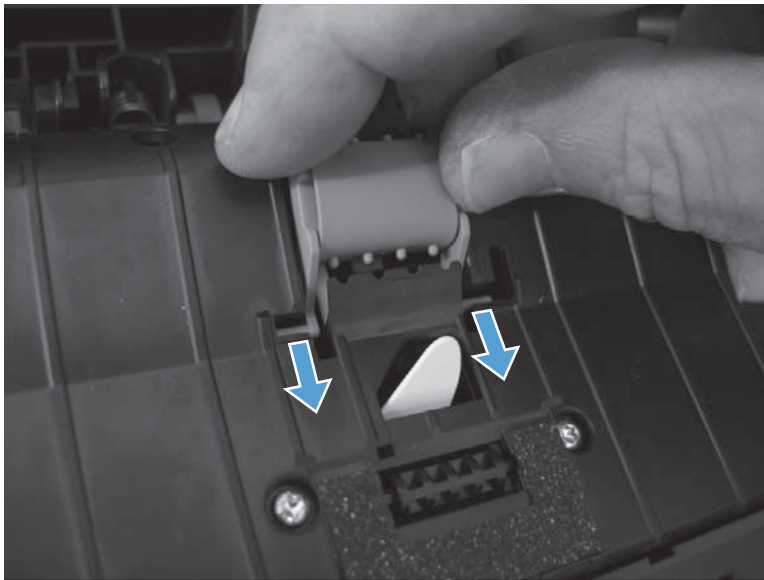
2. Place the assembly hinge pins in the slots in the ADF core.

**Figure 1-138** Reinstall the ADF separation pad assembly (2 of 5)




3. Slightly slide the assembly down and into the slots in the product to engage the hinge pins.

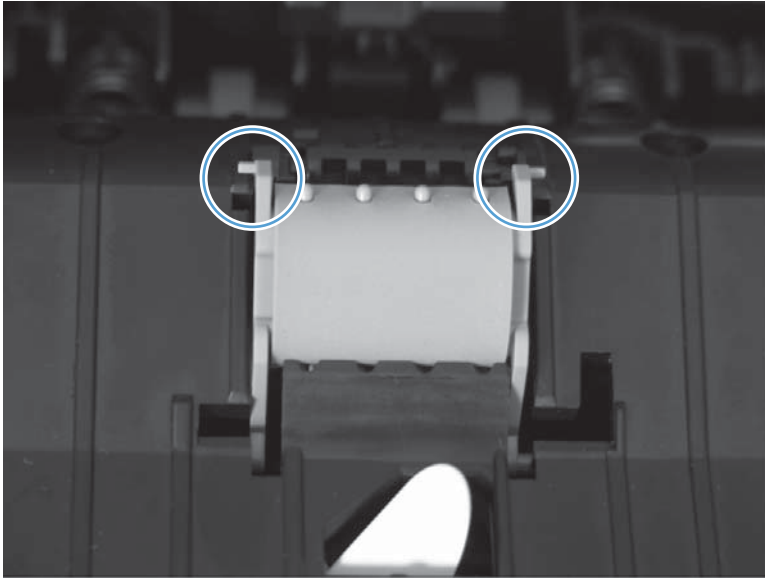
**Figure 1-139** Reinstall the ADF separation pad assembly (3 of 5)




4. Locate the upper locking pins.


 **NOTE:** When the assembly is correctly installed, these pins are engaged in a slot in the ADF core, and the spring underneath the assembly keeps the assembly in the raised position.

**Figure 1-140** Reinstall the ADF separation pad assembly (4 of 5)

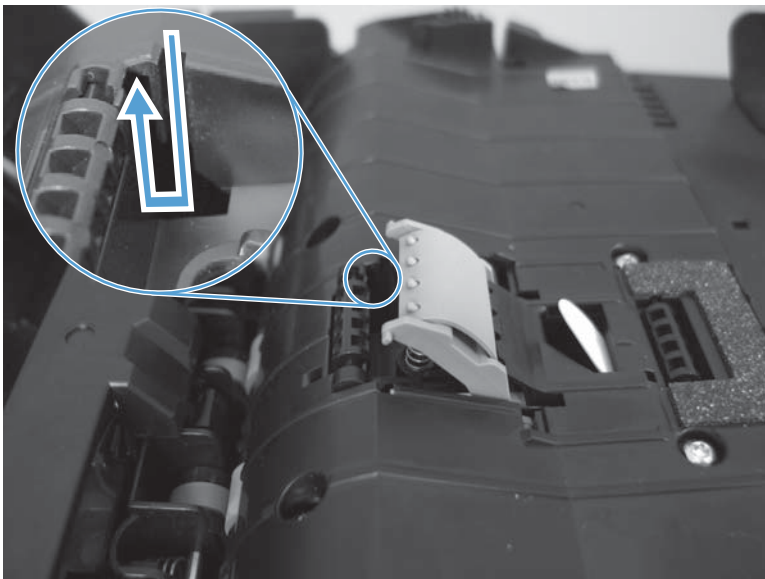


5. Push down on the assembly until the pins reach the bottom of the slot in the ADF core, and then slightly slide the assembly toward the left side of the product to engage the locking pins in the closed slot. Release the assembly.

 **CAUTION:** The pins on the assembly are fragile and can easily be broken off. Do not force the assembly into place, or the pins might break.

 **TIP:** Slightly tip the assembly and engage one pin, and then tip the assembly in the opposite direction to engage the second pin.

**Figure 1-141** Reinstall the ADF separation pad assembly (5 of 5)



## ADF inner tray

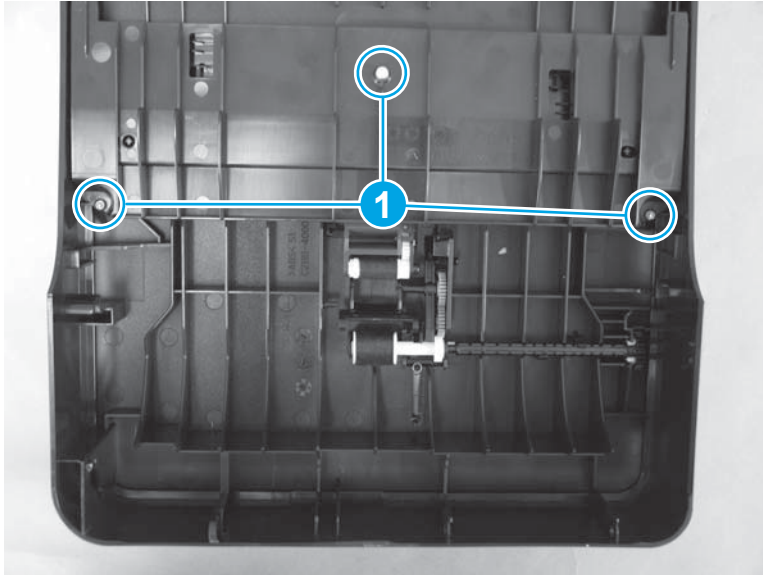
### Before proceeding, remove the following components:

- ADF top cover. See [Document feeder \(ADF\) top cover on page 91](#).
- ADF core. See [ADF core on page 92](#).

### Remove the ADF inner tray

- ▲ Remove three Torx T10 screws (callout 1), and then lift the ADF inner tray off.

**Figure 1-142** Remove the ADF inner tray



## ADF input guides and gear

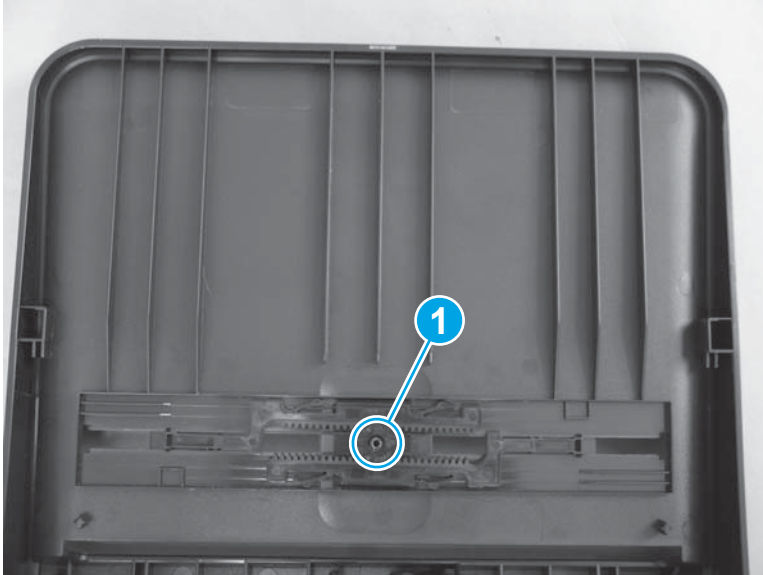
### Before proceeding, remove the following components:

- ADF top cover. See [Document feeder \(ADF\) top cover on page 91](#).
- ADF core. See [ADF core on page 92](#).
- ADF inner tray. [ADF inner tray on page 97](#).

## Remove the ADF input guides and gear

1. Pull the input-guide gear (callout 1) straight up to remove it

**Figure 1-143** Remove the ADF input guides and gear (1 of 3)



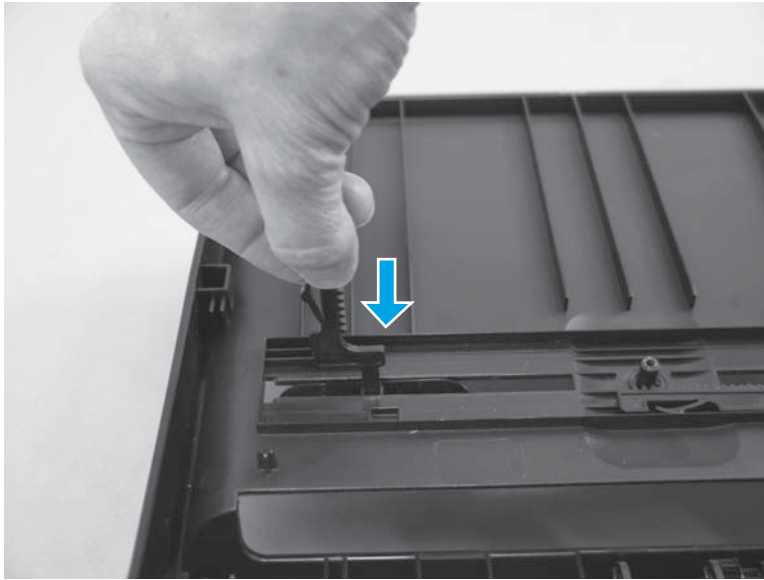
2. Slide each ADF input guide all the way outward.

**Figure 1-144** Remove the ADF input guides and gear (2 of 3)



3. Push each guide down, rotate it, and push it through the slot to remove it.

**Figure 1-145** Remove the ADF input guides and gear (3 of 3)



## ADF pre-pickup arm assembly

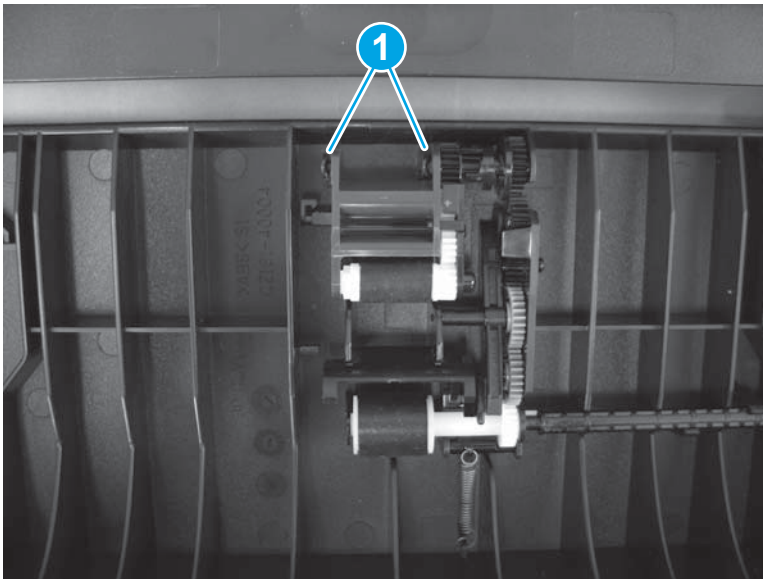
### Before proceeding, remove the following components:

- ADF top cover. See [Document feeder \(ADF\) top cover on page 91](#).
- ADF core. See [ADF core on page 92](#).
- ADF inner tray. [ADF inner tray on page 97](#).

### Remove the ADF pre-pickup arm assembly

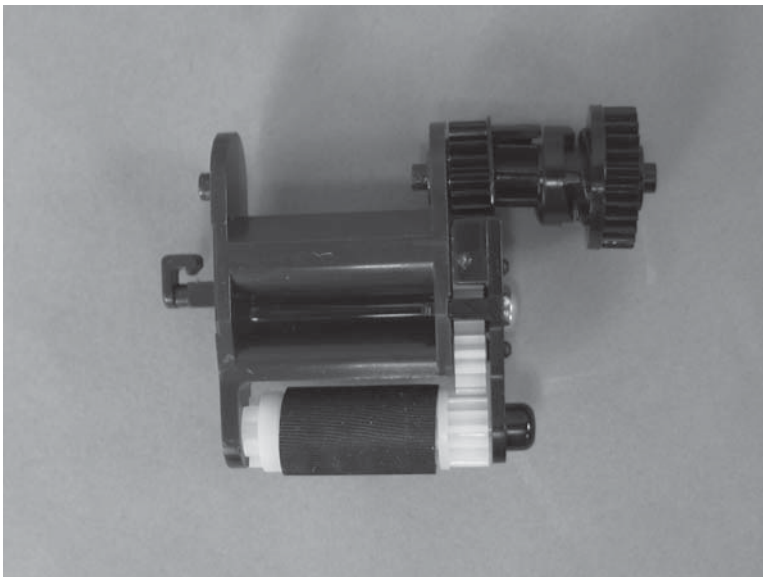
1. Release two tabs (callout 1).

**Figure 1-146** Remove the ADF pre-pickup arm assembly (1 of 2)



2. Lift the pre-pickup arm assembly up to remove it.

**Figure 1-147** Remove the ADF pre-pickup arm assembly (2 of 2)



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## 2 Parts and diagrams

- [Order parts by authorized service providers](#)
- [How to use the parts lists and diagrams](#)
- [Assembly locations](#)
- [Covers, panels, and doors](#)
- [Internal assemblies](#)
- [Scanner and document feeder \(ADF\) assemblies](#)
- [Alphabetical parts list](#)
- [Numerical parts list](#)

# Order parts by authorized service providers

## Order replacement parts

**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.

## Related documentation and software

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

Item	Description	Part number
<i>HP Color LaserJet Pro MFP M176, M177 User Guide</i>	Product user guide	CF548-90908
<i>HP Color LaserJet Pro MFP M176, M177 Repair Manual</i>	English repair manual (this manual)	CZ165-90943
<i>HP Color LaserJet Pro MFP M176, M177 Troubleshooting Manual</i>	English troubleshooting manual	CZ165-90944
<i>HP Color LaserJet Pro MFP M176, M177 Removal and Troubleshooting Manual</i>	Simplified Chinese manual	CZ165-90945

## Supplies part numbers

**Table 2-3 Supplies part numbers**

Item	Description	Part number
HP 130A Black LaserJet Toner Cartridge	Replacement black toner cartridge	CF350A
HP 130A Cyan LaserJet Toner Cartridge	Replacement cyan toner cartridge	CF351A
HP 130A Magenta LaserJet Toner Cartridge	Replacement magenta toner cartridge	CF352A
HP 130A Yellow LaserJet Toner Cartridge	Replacement yellow toner cartridge	CF353A
Imaging drum	Replacement imaging drum	CE314A



## Accessories

**Table 2-4 Accessories part numbers**

Item	Description	Part number
Power Cord, straight	(AB2) 220V-10A China	8121-0943
	(AB0) 110V - 13A Taiwan	8121-0964
	(AB1, BBU, B19, AAZ) 220V - 10A Korea, EU generic	8121-0731
	(ACJ) 220V - 6A India	8121-0564
	(BBU, B19) 220V - 10A UK, Asia Pacific Countries/Regions	8121-0739
	(BGM) 220V - 10A Australia, New Zealand	8121-0837
	(ABT) 220V - 10A Israel	8121-1004
	(ABY) 220V - 10A Denmark	8121-0733
	(ACQ) 220V - 10A South Africa	8121-0737
	(BAZ) 220V - 10A Switzerland	8121-0738
	(AC4, 696) 110V - 10A Brazil	8121-1071
	(AC8) 220V - 10A Argentina	8121-0729
	(201, 202, 697, AAZ, ABM, AKV, B1H, BGJ) 110V - 10A North America	8121-0740
	(697, AAZ, AKV) 220V - 10A South America, Chile, Peru	8121-0735
	(BBU) 220/110V - Thailand, Philippines	8121-0734
Phone cord (M177 model)	Israel - Unique cord	8120-8913
	Switzerland - Unique cord	8121-0844
	Korea - Unique cord	8120-8908
	4 wire RJ-11 phone cord (Europe, Middle East, Africa)	8120-8922
	2-wire RJ-11 phone cord (rest of world)	8121-0811
USB cable	Cable Assembly USB A-B; 28 AWG-twisted ROHS (M176 model)	8121-0868
	Cable Assembly USB A-B 1.0-M-LG ROHS (M177 model)	8121-1058
Other	Adapter, PTT/RJ11, UK, Black (BGM required with 8121-0811)	234441-032

## Customer replaceable units (CRU) kit part numbers

**Table 2-5 Customer replaceable units (CRU) kit part numbers**

<b>Item</b>	<b>Description</b>	<b>Part number</b>
Kit, separation pad install replacement	Separation pad	CF547-65010
	Instruction sheet	
Kit, paper pickup tray install replacement	Paper pickup tray	CF547-65011
	Instruction sheet	
Kit, paper deliver tray install replacement	Paper delivery tray	CF547-65012
	Instruction sheet	
Kit, dust cover install replacement	Dust cover	CF547-65013
	Instruction sheet	

## Whole-unit replacement part numbers




**NOTE:** Whole-unit replacement products include the formatter PCA.


**Table 2-6 Whole-unit replacement part numbers**

Item	Description	Replacement part number	Exchange part number
HP Color LaserJet Pro MFP M176n	110 V	CF547-67901	CF547-69001
	220 V	CF547-67902	CF547-69002
HP Color LaserJet Pro MFP M177fw	110 V	CZ165-67901	CZ165-69001
	220 V, Asia Pacific Countries/Regions	CZ165-67903	CZ165-69003
	220 V, Europe	CZ165-67904	CZ165-69004

## How to use the parts lists and diagrams

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 **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. Doing so will make sure 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.

---

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, it is not a field replacement unit (FRU).

# Assembly locations

## Base product (no document feeder or scanner)

Figure 2-1 Locations of major components, base product

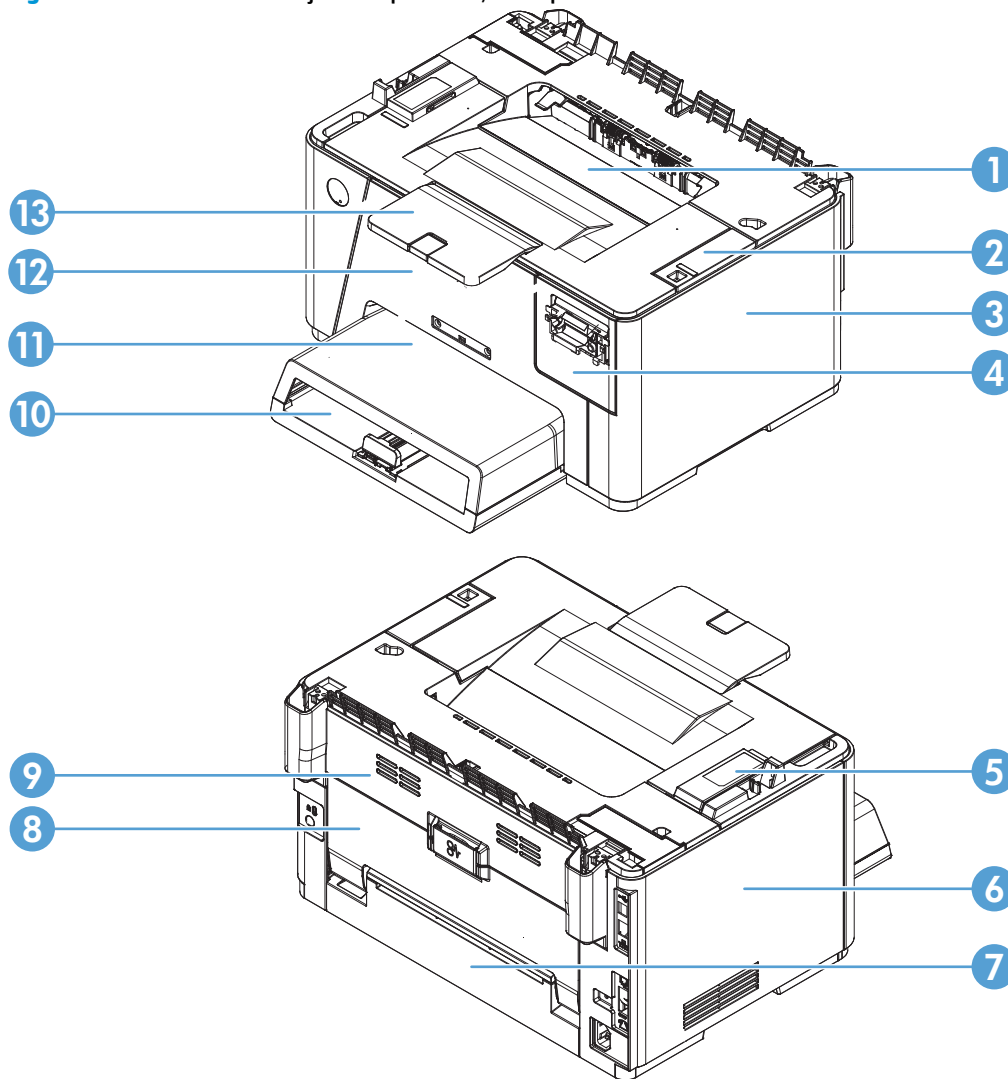
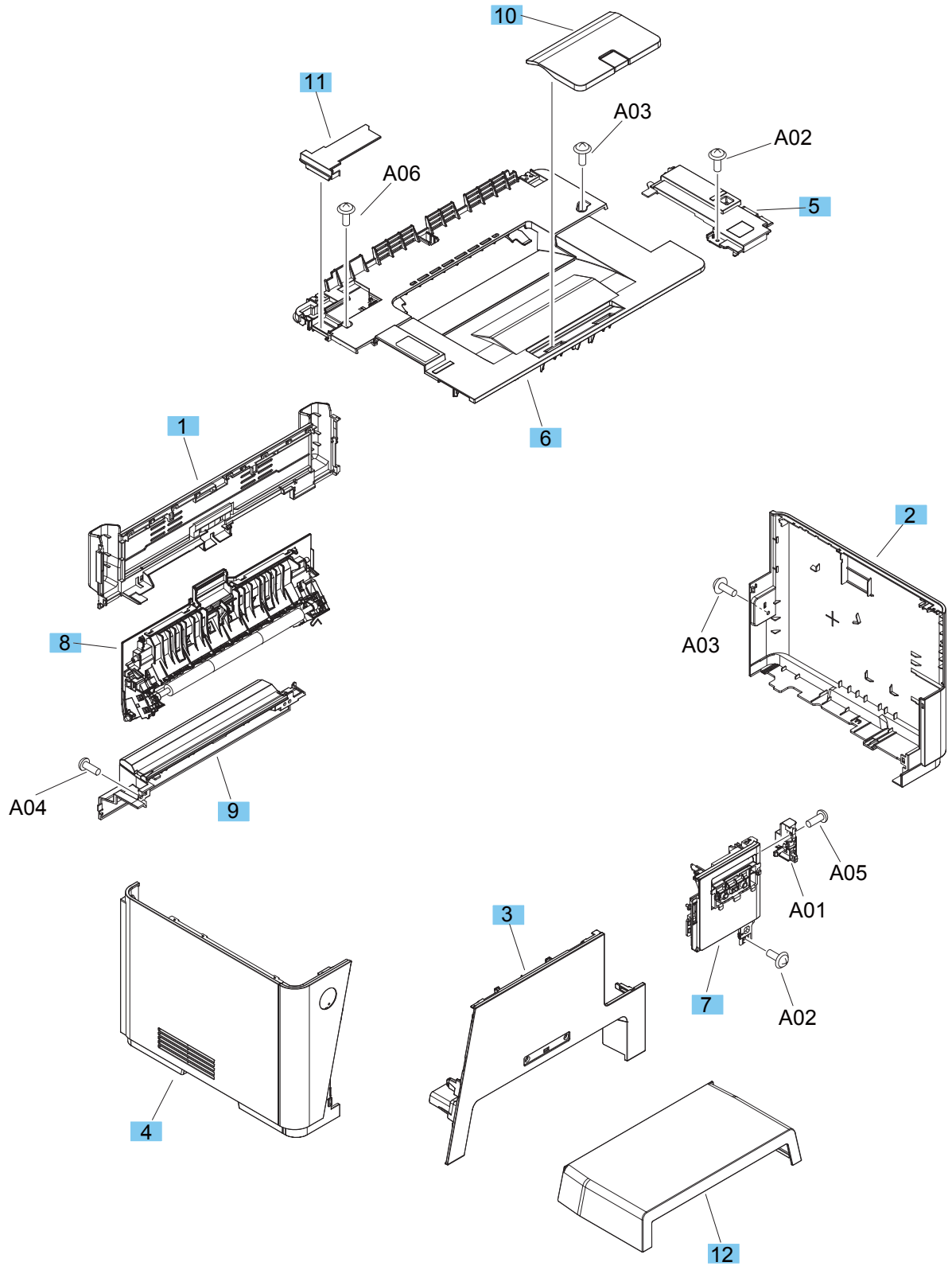


Table 2-7 Locations of major components, base product

Item	Description	Item	Description
1	Upper cover assembly	8	Rear cover assembly
2	Right upper cover assembly	9	Fuser cover
3	Right cover	10	Input tray
4	Control panel cover	11	Dust cover
5	Inner cover assembly	12	Cartridge door
6	Left cover assembly	13	Output extension tray
7	Power supply cover assembly		

# Covers, panels, and doors

Figure 2-2 Covers, panels, and doors

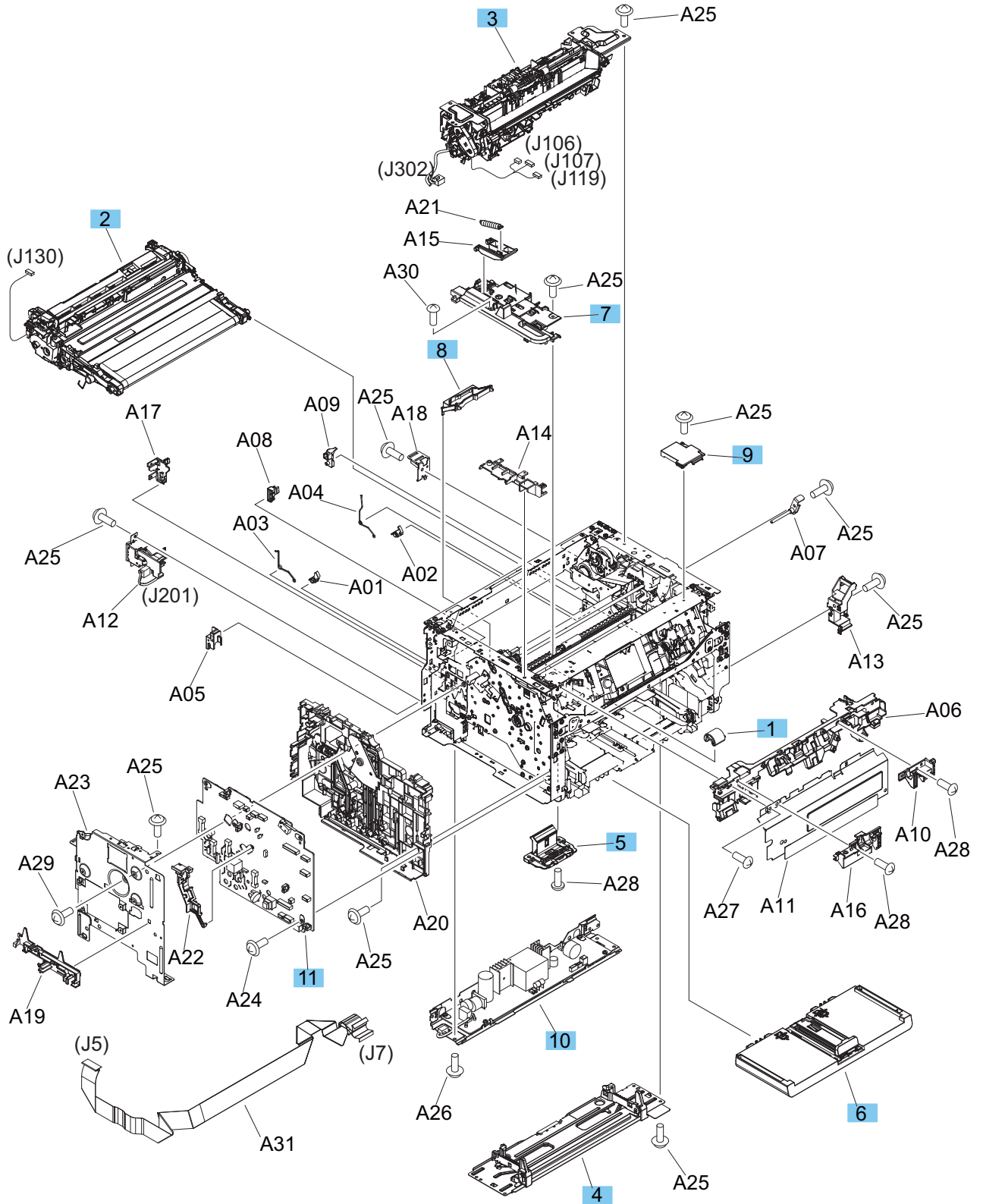


**Table 2-8 Covers, panels, and doors**

<b>Ref</b>	<b>Description</b>	<b>Part number</b>	<b>Qty</b>
1	Cover, fuser	RC3-5345-000CN	1
2	Cover, right	RC3-5348-000CN	1
3	Door, cartridge	RC3-5357-000CN	1
4	Left cover assembly	RL1-3930-000CN	1
5	Right upper cover assembly	RL1-3936-000CN	1
6	Upper cover assembly	RM2-0138-000CN	1
7	Operation panel assembly	RM2-0142-000CN	1
8	Rear cover/secondary transfer assembly	RM2-0162-000CN	1
9	Power supply cover assembly	RM2-0164-000CN	1
10	Extension tray assembly	RM2-0168-000CN	1
11	Cover, flat cable	RC3-5353-000CN	1
12	Cover, dust	RC3-5146-000CN	1
	Control panel assembly—2 line LCD (M176 model) (not shown)	CF547-60109	1
	Control panel assembly—touchscreen (M177 model) (not shown)	CF547-60110	1
	Fax rubber cap (M177 model) (not shown)	CZ185-40001	1

# Internal assemblies

Figure 2-3 Internal assemblies





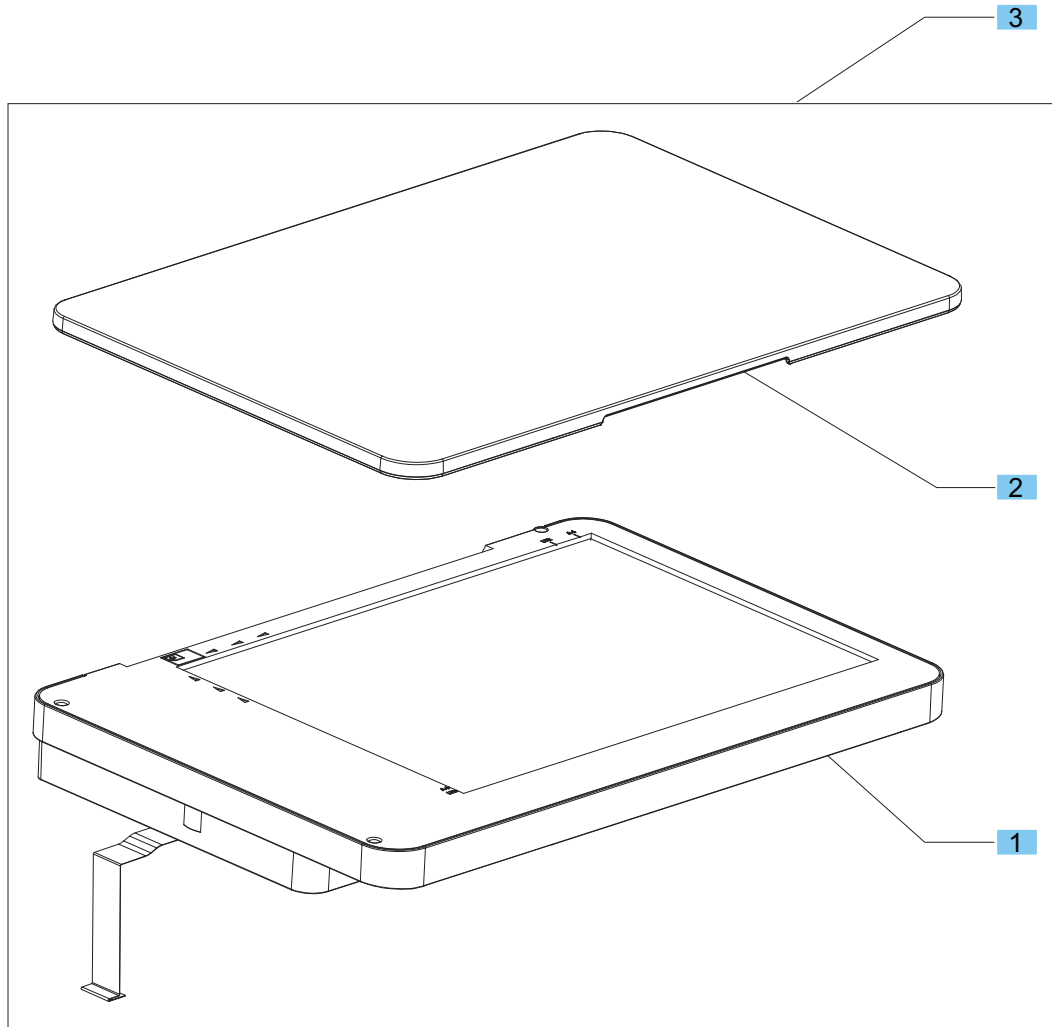
**Table 2-9 Internal assemblies**

<b>Ref</b>	<b>Description</b>	<b>Part number</b>	<b>Qty</b>
1	Roller, paper pick-up	RL1-2671-000CN	1
2	Intermediate transfer belt assembly (ITB)	RM2-0175-000CN	1
3	Fuser delivery assembly (110-127 V)	RM2-0157-000CN	1
3	Fuser delivery assembly (220-240 V)	RM2-0167-000CN	1
4	Base plate assembly	RM2-0160-000CN	1
5	Separation pad assembly	RM2-0170-000CN	1
6	Main tray assembly	RM2-0144-000CN	1
7	Inner cover assembly	RM2-0139-000CN	1
8	Support, frame	RC3-0230-000CN	1
9	Cover, grounding cable	RC3-5365-000CN	1
10	Low voltage power supply assembly (110-127V)	RM2-7292-000CN	1
10	Low voltage power supply assembly (220-240V)	RM2-7293-000CN	1
11	Engine controller PCA	RM2-7300-000CN	1
	Fax module-Asia/US (M177 model) (not shown)	CF206-60001	1
	Fax module-EU (M177 model) (not shown)	CF207-60001	1
	Fax module-Brazil (M177 model) (not shown)	CF208-60001	1
	PCA, formatter (M176 model) (not shown)	CF547-60001	1
	PCA, formatter (M177 model) (not shown)	CZ165-60001	1
	WiFi board (M177 model) (not shown)	1150-7957	1

# Scanner and document feeder (ADF) assemblies

## Scanner and lid assembly (M176 model)


Figure 2-4 Scanner and lid assembly (M176 model)



**Table 2-10 Scanner and lid assembly (M176 model)**

<b>Ref</b>	<b>Description</b>	<b>Part number</b>	<b>Qty</b>
1	Scanner assembly (M176 model)	CF547-60108	1
2	Lid, document	CF547-60111	1
3	Scanner/lid assembly	CF547-60101	1
	Scanner/lid assembly (bulk pack) (not shown)	CF547-60107	1

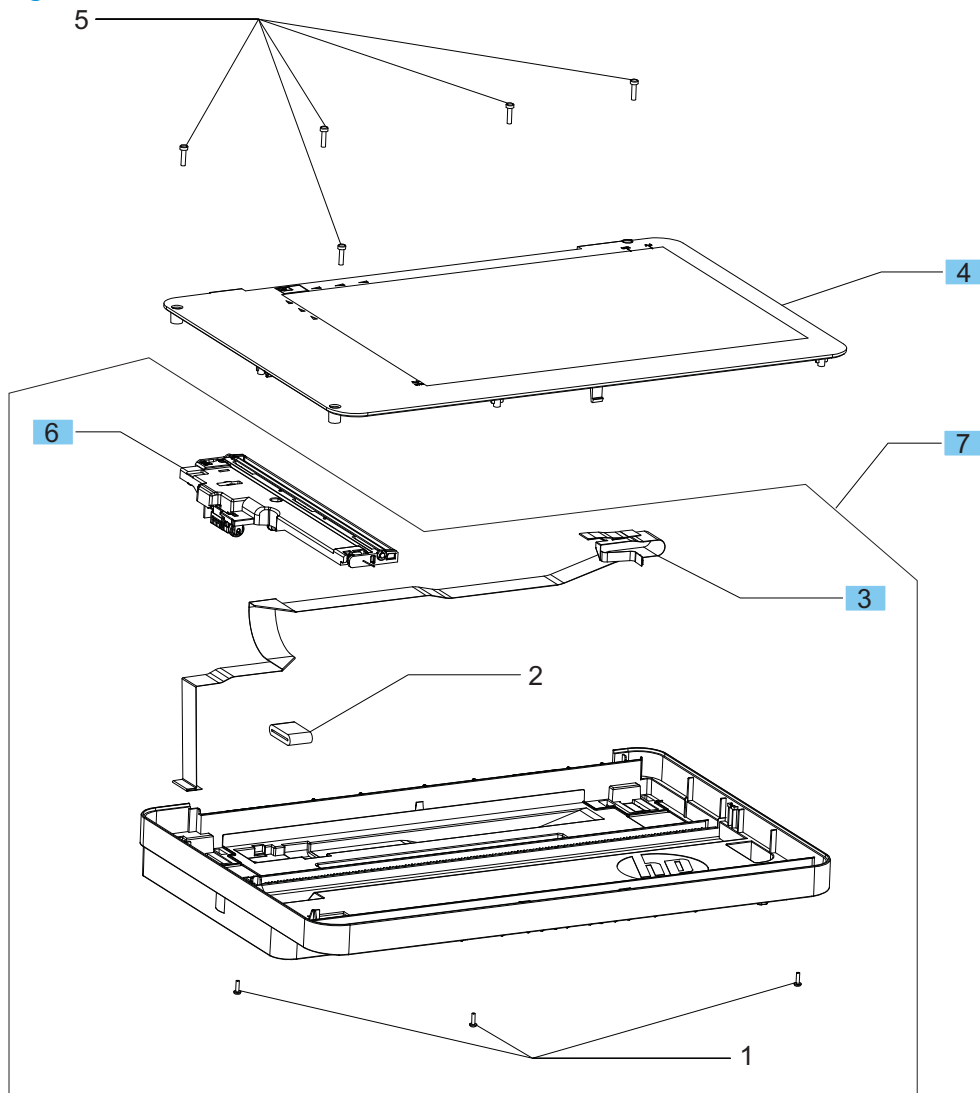
---

 **CAUTION:** Replace the internal scanner assemblies only in a dust-free environment.

---


## Scanner assemblies (M176 model)

Figure 2-5 Scanner assemblies (M176 model)



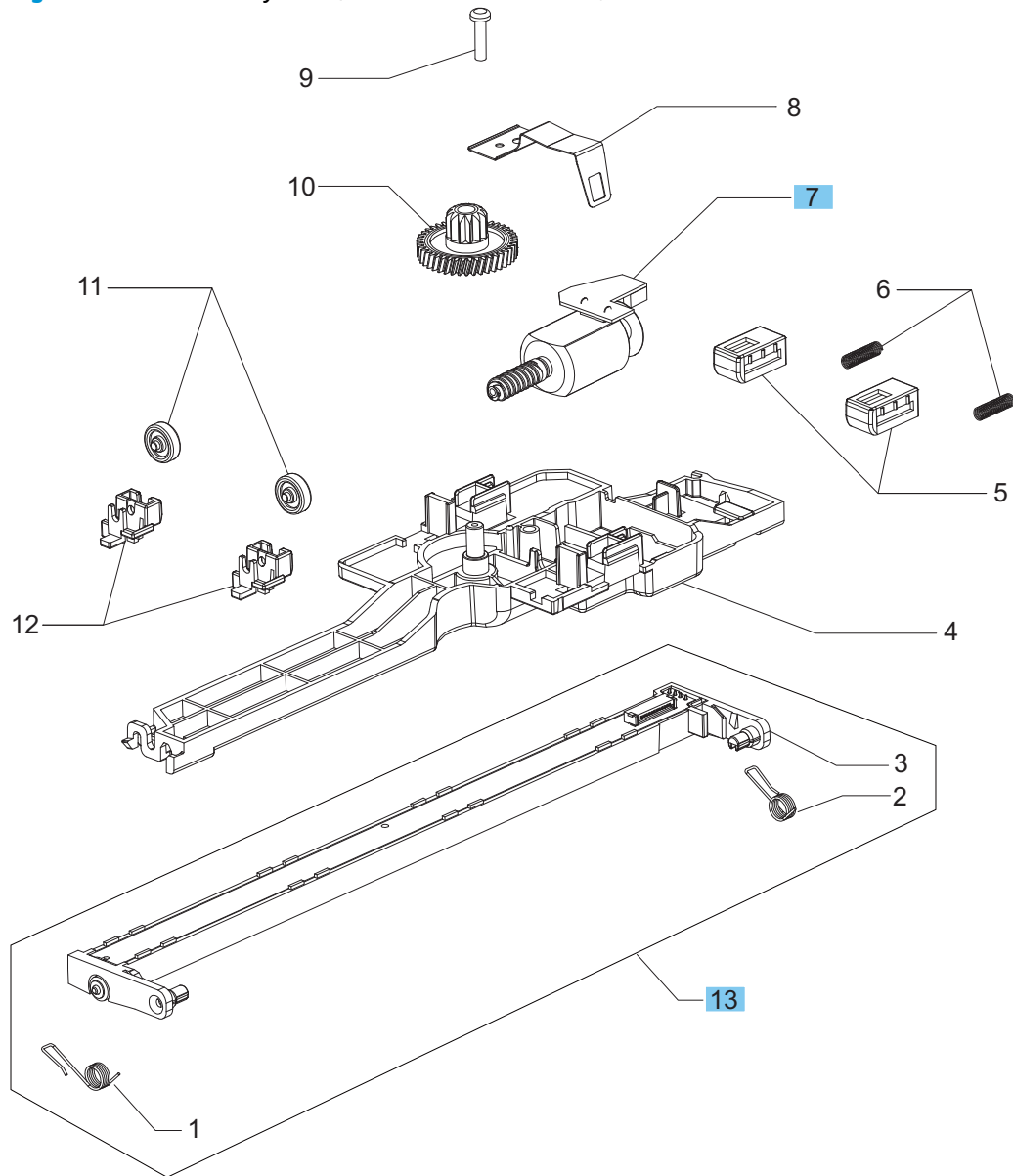
**Table 2-11 Scanner assemblies (M176 model)**

<b>Ref</b>	<b>Description</b>	<b>Part number</b>	<b>Qty</b>
3	SSA FFC Cable, 20 Pin	CZ165-60106	1
4	Scan bezel assembly	CF547-60112	1
6	Scan drive system assembly	CZ181-60104	1
7	Scanner base assembly	CF547-60102	1

 **CAUTION:** Replace the internal scanner assemblies only in a dust-free environment.


## Scan drive system assembly (M176 and M177 models)

Figure 2-6 Scan drive system (M176 and M177 models)



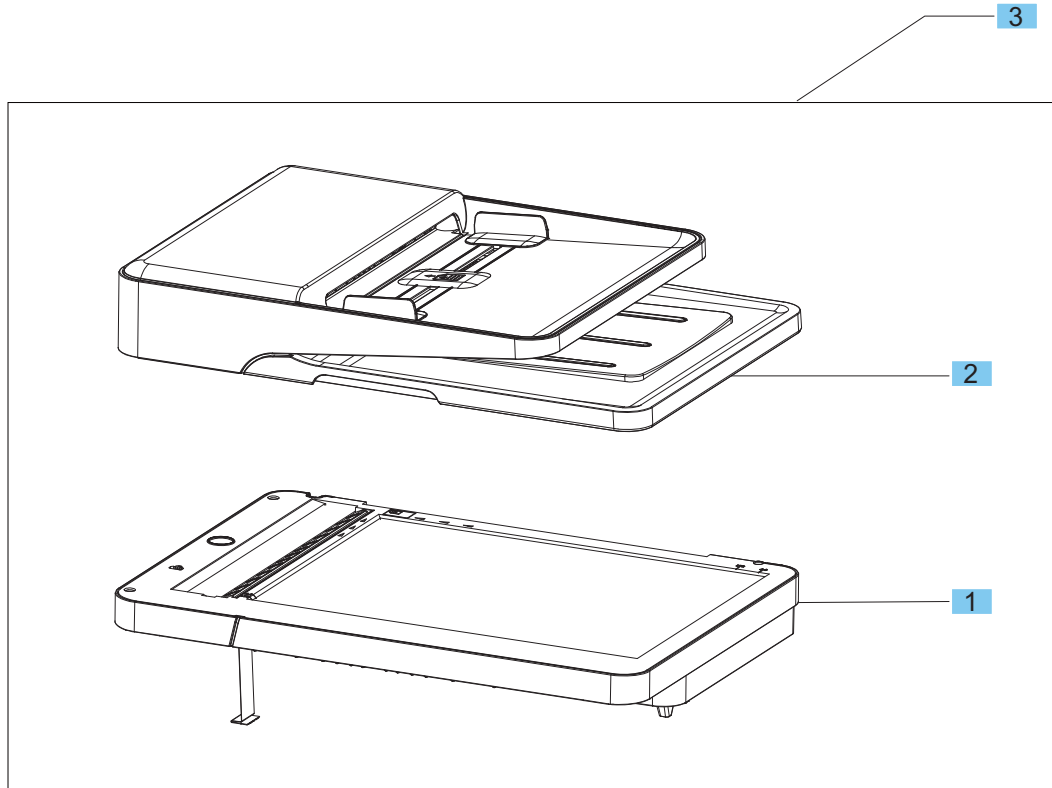
**Table 2-12 Scan drive system (M176 and M177 models)**

<b>Ref</b>	<b>Description</b>	<b>Part number</b>	<b>Qty</b>
7	Motor/encoder assembly	CN503-60006	1
13	Scanner with spring assembly	CZ181-60113	1

 **CAUTION:** Replace the internal scanner assemblies only in a dust-free environment.

## Scanner and document feeder main assemblies (M177 model)


Figure 2-7 Scanner and document feeder main assemblies (M177 model)





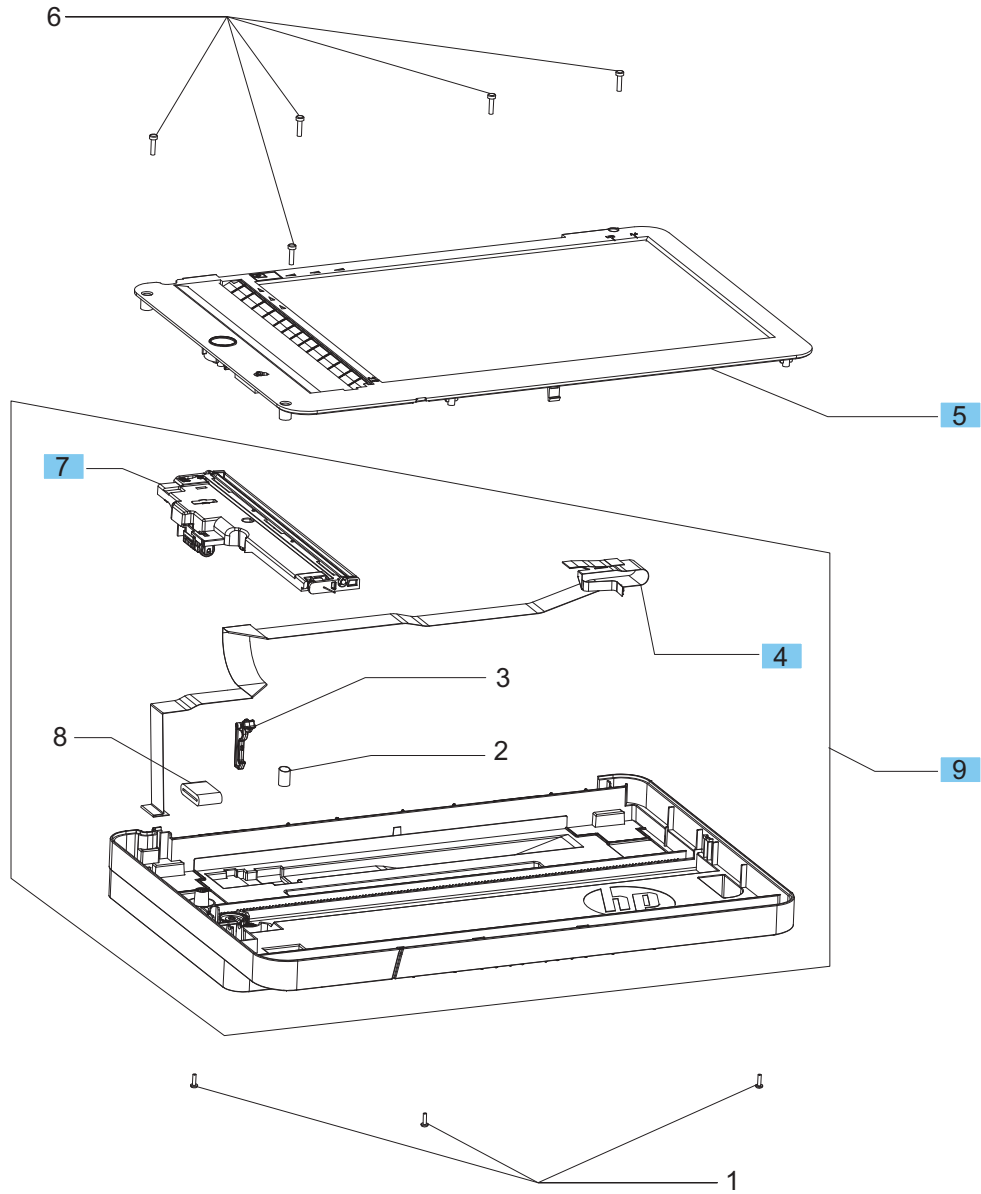
**Table 2-13 Scanner and document feeder main assemblies (M177 model)**

<b>Ref</b>	<b>Description</b>	<b>Part number</b>	<b>Qty</b>
1	Scanner assembly (M177 model)	CZ165-60109	1
2	Auto document feeder assembly	CZ165-60112	1
3	Scanner/ADF assembly	CZ165-60101	1
	Scanner/ADF assembly (bulk pack) (not shown)	CZ165-60107	1

 **CAUTION:** Replace the internal scanner assemblies only in a dust-free environment.


## Scanner assembly (M177 model)

Figure 2-8 Scanner assembly (M177 model)



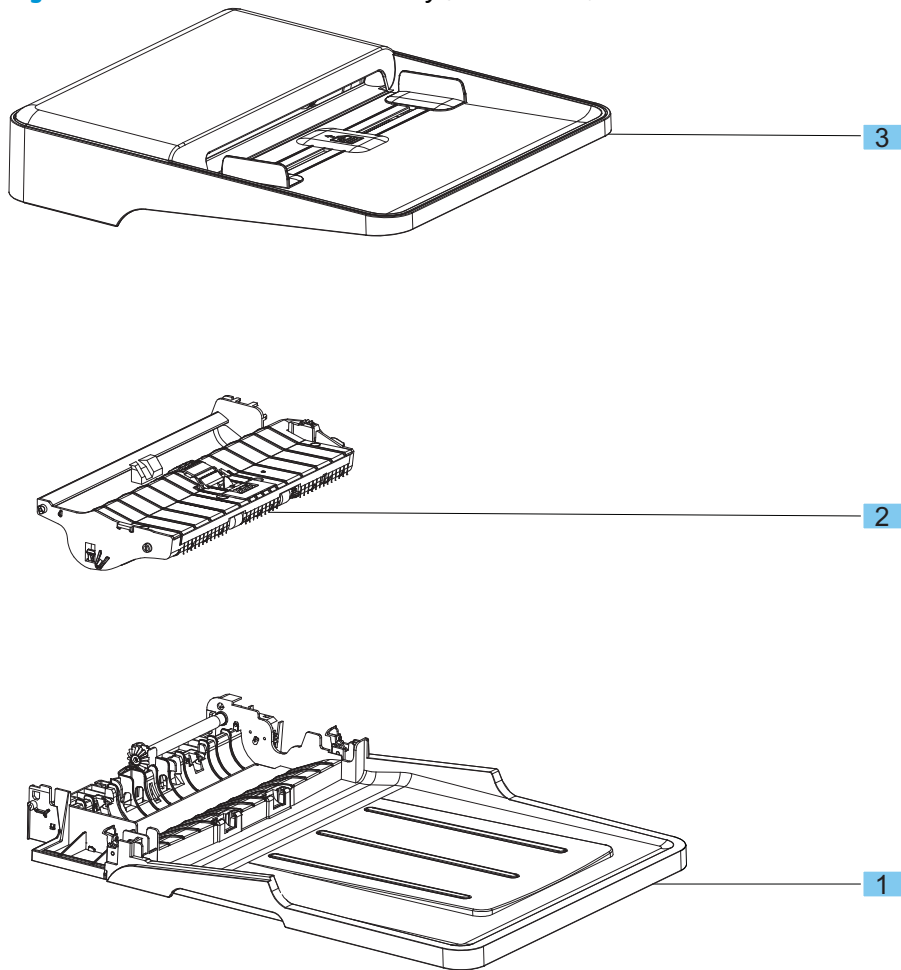
**Table 2-14 Scanner assembly (M177 model)**

<b>Ref</b>	<b>Description</b>	<b>Part number</b>	<b>Qty</b>
4	SSA FFC Cable, 20 Pin	CZ165-60106	1
5	Scan bezel assembly	CZ165-60115	1
7	Scan drive system assembly	CZ181-60104	1
9	Scanner base assembly	CZ165-60102	1

 **CAUTION:** Replace the internal scanner assemblies only in a dust-free environment.

## Document feeder assembly (M177 model)

Figure 2-9 Document feeder assembly (M177 model)

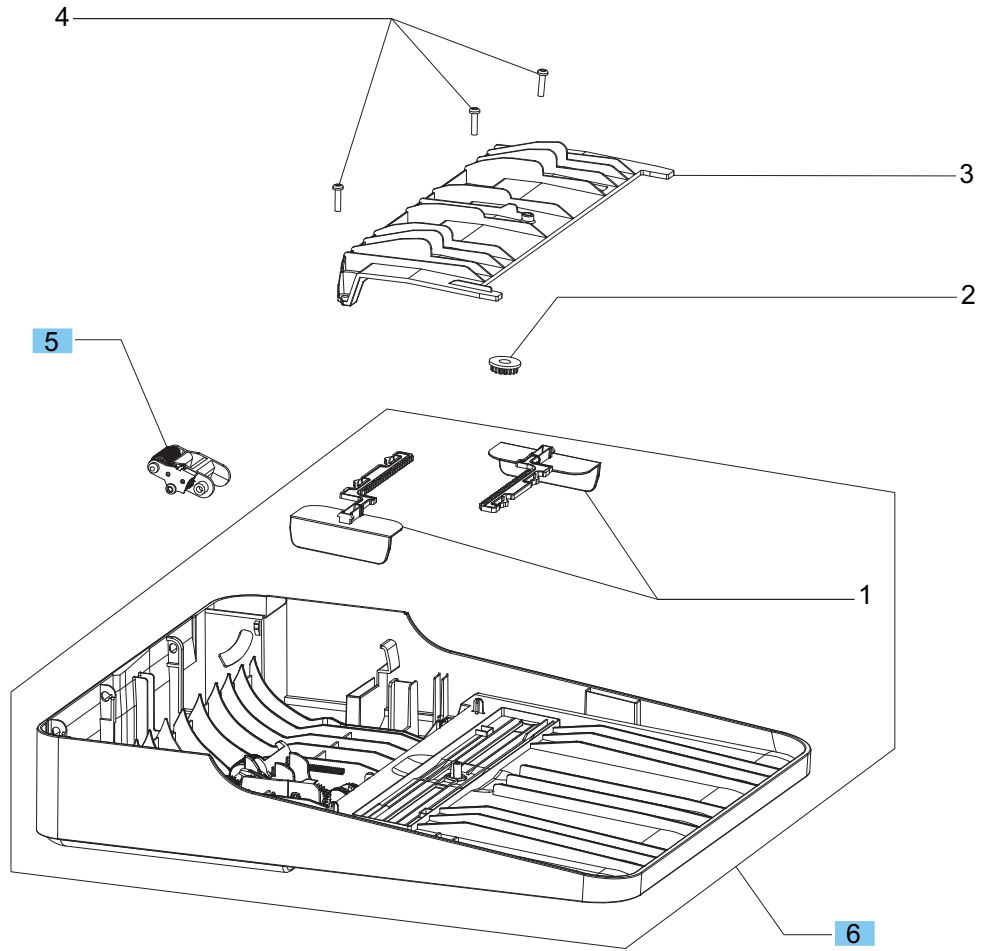


**Table 2-15 Document feeder assembly (M177 model)**

<b>Ref</b>	<b>Description</b>	<b>Part number</b>	<b>Qty</b>
1	ADF base	CZ165-60111	1
2	Core ADF assembly	CZ181-60107	1
3	ADF top cover assembly	CZ165-60110	1

## ADF top cover assembly (M177 model)

Figure 2-10 ADF top cover assembly (M177 model)

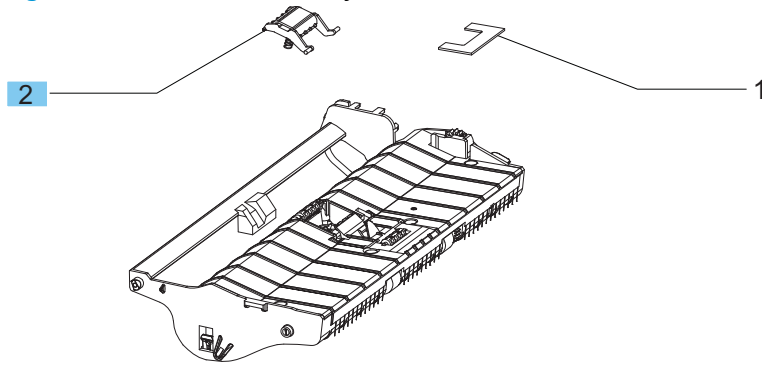


**Table 2-16 ADF top cover assembly (M177 model)**

<b>Ref</b>	<b>Description</b>	<b>Part number</b>	<b>Qty</b>
5	Assembly pre-pick arm	CB780-60032	1
6	Top cover with guide assembly	CZ165-60116	1

## Core ADF assembly (M177 model)

Figure 2-11 Core ADF assembly (M177 model)





**Table 2-17 Core ADF assembly (M177 model)**

<b>Ref</b>	<b>Description</b>	<b>Part number</b>	<b>Qty</b>
2	Separator pad	CB780-60009	1

# Alphabetical parts list

**Table 2-18 Alphabetical parts list**

Description	Part number	Table and page
ADF base	CZ165-60111	<a href="#">Document feeder assembly (M177 model) on page 123</a>
ADF top cover assembly	CZ165-60110	<a href="#">Document feeder assembly (M177 model) on page 123</a>
Assembly pre-pick arm	CB780-60032	<a href="#">ADF top cover assembly (M177 model) on page 125</a>
Auto document feeder assembly	CZ165-60112	<a href="#">Scanner and document feeder main assemblies (M177 model) on page 119</a>
Base plate assembly	RM2-0160-000CN	<a href="#">Internal assemblies on page 111</a>
Control panel assembly–2 line LCD (M176 model) (not shown)	CF547-60109	<a href="#">Covers, panels, and doors on page 109</a>
Control panel assembly–touchscreen (M177 model) (not shown)	CF547-60110	<a href="#">Covers, panels, and doors on page 109</a>
Core ADF assembly	CZ181-60107	<a href="#">Document feeder assembly (M177 model) on page 123</a>
Cover, dust	RC3-5146-000CN	<a href="#">Covers, panels, and doors on page 109</a>
Cover, flat cable	RC3-5353-000CN	<a href="#">Covers, panels, and doors on page 109</a>
Cover, fuser	RC3-5345-000CN	<a href="#">Covers, panels, and doors on page 109</a>
Cover, grounding cable	RC3-5365-000CN	<a href="#">Internal assemblies on page 111</a>
Cover, right	RC3-5348-000CN	<a href="#">Covers, panels, and doors on page 109</a>
Door, cartridge	RC3-5357-000CN	<a href="#">Covers, panels, and doors on page 109</a>
Engine controller PCA	RM2-7300-000CN	<a href="#">Internal assemblies on page 111</a>
Extension tray assembly	RM2-0168-000CN	<a href="#">Covers, panels, and doors on page 109</a>
Fax module–Asia/US (M177 model) (not shown)	CF206-60001	<a href="#">Internal assemblies on page 111</a>
Fax module–Brazil (M177 model) (not shown)	CF208-60001	<a href="#">Internal assemblies on page 111</a>
Fax module–EU (M177 model) (not shown)	CF207-60001	<a href="#">Internal assemblies on page 111</a>
Fax rubber cap (M177 model) (not shown)	CZ185-40001	<a href="#">Covers, panels, and doors on page 109</a>
Fuser delivery assembly (110-127 V)	RM2-0157-000CN	<a href="#">Internal assemblies on page 111</a>
Fuser delivery assembly (220-240 V)	RM2-0167-000CN	<a href="#">Internal assemblies on page 111</a>
Inner cover assembly	RM2-0139-000CN	<a href="#">Internal assemblies on page 111</a>
Intermediate transfer belt assembly (ITB)	RM2-0175-000CN	<a href="#">Internal assemblies on page 111</a>

**Table 2-18 Alphabetical parts list (continued)**

<b>Description</b>	<b>Part number</b>	<b>Table and page</b>
Left cover assembly	RL1-3930-000CN	<a href="#">Covers, panels, and doors on page 109</a>
Lid, document	CF547-60111	<a href="#">Scanner and lid assembly (M176 model) on page 113</a>
Low voltage power supply assembly (110-127V)	RM2-7292-000CN	<a href="#">Internal assemblies on page 111</a>
Low voltage power supply assembly (220-240V)	RM2-7293-000CN	<a href="#">Internal assemblies on page 111</a>
Main tray assembly	RM2-0144-000CN	<a href="#">Internal assemblies on page 111</a>
Motor/encoder assembly	CN503-60006	<a href="#">Scan drive system (M176 and M177 models) on page 117</a>
Operation panel assembly	RM2-0142-000CN	<a href="#">Covers, panels, and doors on page 109</a>
PCA, formatter (M176 model) (not shown)	CF547-60001	<a href="#">Internal assemblies on page 111</a>
PCA, formatter (M177 model) (not shown)	CZ165-60001	<a href="#">Internal assemblies on page 111</a>
Power supply cover assembly	RM2-0164-000CN	<a href="#">Covers, panels, and doors on page 109</a>
Rear cover/secondary transfer assembly	RM2-0162-000CN	<a href="#">Covers, panels, and doors on page 109</a>
Right upper cover assembly	RL1-3936-000CN	<a href="#">Covers, panels, and doors on page 109</a>
Roller, paper pick-up	RL1-2671-000CN	<a href="#">Internal assemblies on page 111</a>
Scan bezel assembly	CF547-60112	<a href="#">Scanner assemblies (M176 model) on page 115</a>
Scan bezel assembly	CZ165-60115	<a href="#">Scanner assembly (M177 model) on page 121</a>
Scan drive system assembly	CZ181-60104	<a href="#">Scanner assemblies (M176 model) on page 115</a>
Scan drive system assembly	CZ181-60104	<a href="#">Scanner assembly (M177 model) on page 121</a>
Scanner assembly (M176 model)	CF547-60108	<a href="#">Scanner and lid assembly (M176 model) on page 113</a>
Scanner assembly (M177 model)	CZ165-60109	<a href="#">Scanner and document feeder main assemblies (M177 model) on page 119</a>
Scanner base assembly	CF547-60102	<a href="#">Scanner assemblies (M176 model) on page 115</a>
Scanner base assembly	CZ165-60102	<a href="#">Scanner assembly (M177 model) on page 121</a>
Scanner with spring assembly	CZ181-60113	<a href="#">Scan drive system (M176 and M177 models) on page 117</a>
Scanner/ADF assembly	CZ165-60101	<a href="#">Scanner and document feeder main assemblies (M177 model) on page 119</a>

**Table 2-18 Alphabetical parts list (continued)**

<b>Description</b>	<b>Part number</b>	<b>Table and page</b>
Scanner/ADF assembly (bulk pack) (not shown)	CZ165-60107	<a href="#">Scanner and document feeder main assemblies (M177 model) on page 119</a>
Scanner/lid assembly	CF547-60101	<a href="#">Scanner and lid assembly (M176 model) on page 113</a>
Scanner/lid assembly (bulk pack) (not shown)	CF547-60107	<a href="#">Scanner and lid assembly (M176 model) on page 113</a>
Separation pad assembly	RM2-0170-000CN	<a href="#">Internal assemblies on page 111</a>
Separator pad	CB780-60009	<a href="#">Core ADF assembly (M177 model) on page 127</a>
SSA FFC Cable, 20 Pin	CZ165-60106	<a href="#">Scanner assemblies (M176 model) on page 115</a>
SSA FFC Cable, 20 Pin	CZ165-60106	<a href="#">Scanner assembly (M177 model) on page 121</a>
Support, frame	RC3-0230-000CN	<a href="#">Internal assemblies on page 111</a>
Top cover with guide assembly	CZ165-60116	<a href="#">ADF top cover assembly (M177 model) on page 125</a>
Upper cover assembly	RM2-0138-000CN	<a href="#">Covers, panels, and doors on page 109</a>
WiFi board (M177 model) (not shown)	1150-7957	<a href="#">Internal assemblies on page 111</a>

# Numerical parts list

**Table 2-19 Numerical parts list**

Part number	Description	Table and page
1150-7957	WiFi board (M177 model) (not shown)	<a href="#">Internal assemblies on page 111</a>
CB780-60009	Separator pad	<a href="#">Core ADF assembly (M177 model) on page 127</a>
CB780-60032	Assembly pre-pick arm	<a href="#">ADF top cover assembly (M177 model) on page 125</a>
CF206-60001	Fax module–Asia/US (M177 model) (not shown)	<a href="#">Internal assemblies on page 111</a>
CF207-60001	Fax module–EU (M177 model) (not shown)	<a href="#">Internal assemblies on page 111</a>
CF208-60001	Fax module–Brazil (M177 model) (not shown)	<a href="#">Internal assemblies on page 111</a>
CF547-60001	PCA, formatter (M176 model) (not shown)	<a href="#">Internal assemblies on page 111</a>
CF547-60101	Scanner/lid assembly	<a href="#">Scanner and lid assembly (M176 model) on page 113</a>
CF547-60102	Scanner base assembly	<a href="#">Scanner assemblies (M176 model) on page 115</a>
CF547-60107	Scanner/lid assembly (bulk pack) (not shown)	<a href="#">Scanner and lid assembly (M176 model) on page 113</a>
CF547-60108	Scanner assembly (M176 model)	<a href="#">Scanner and lid assembly (M176 model) on page 113</a>
CF547-60109	Control panel assembly–2 line LCD (M176 model) (not shown)	<a href="#">Covers, panels, and doors on page 109</a>
CF547-60110	Control panel assembly–touchscreen (M177 model) (not shown)	<a href="#">Covers, panels, and doors on page 109</a>
CF547-60111	Lid, document	<a href="#">Scanner and lid assembly (M176 model) on page 113</a>
CF547-60112	Scan bezel assembly	<a href="#">Scanner assemblies (M176 model) on page 115</a>
CN503-60006	Motor/encoder assembly	<a href="#">Scan drive system (M176 and M177 models) on page 117</a>
CZ165-60001	PCA, formatter (M177 model) (not shown)	<a href="#">Internal assemblies on page 111</a>
CZ165-60101	Scanner/ADF assembly	<a href="#">Scanner and document feeder main assemblies (M177 model) on page 119</a>
CZ165-60102	Scanner base assembly	<a href="#">Scanner assembly (M177 model) on page 121</a>
CZ165-60106	SSA FFC Cable, 20 Pin	<a href="#">Scanner assemblies (M176 model) on page 115</a>
CZ165-60106	SSA FFC Cable, 20 Pin	<a href="#">Scanner assembly (M177 model) on page 121</a>
CZ165-60107	Scanner/ADF assembly (bulk pack) (not shown)	<a href="#">Scanner and document feeder main assemblies (M177 model) on page 119</a>

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

<b>Part number</b>	<b>Description</b>	<b>Table and page</b>
CZ165-60109	Scanner assembly (M177 model)	<a href="#">Scanner and document feeder main assemblies (M177 model) on page 119</a>
CZ165-60110	ADF top cover assembly	<a href="#">Document feeder assembly (M177 model) on page 123</a>
CZ165-60111	ADF base	<a href="#">Document feeder assembly (M177 model) on page 123</a>
CZ165-60112	Auto document feeder assembly	<a href="#">Scanner and document feeder main assemblies (M177 model) on page 119</a>
CZ165-60115	Scan bezel assembly	<a href="#">Scanner assembly (M177 model) on page 121</a>
CZ165-60116	Top cover with guide assembly	<a href="#">ADF top cover assembly (M177 model) on page 125</a>
CZ181-60104	Scan drive system assembly	<a href="#">Scanner assemblies (M176 model) on page 115</a>
CZ181-60104	Scan drive system assembly	<a href="#">Scanner assembly (M177 model) on page 121</a>
CZ181-60107	Core ADF assembly	<a href="#">Document feeder assembly (M177 model) on page 123</a>
CZ181-60113	Scanner with spring assembly	<a href="#">Scan drive system (M176 and M177 models) on page 117</a>
CZ185-40001	Fax rubber cap (M177 model) (not shown)	<a href="#">Covers, panels, and doors on page 109</a>
RC3-0230-000CN	Support, frame	<a href="#">Internal assemblies on page 111</a>
RC3-5146-000CN	Cover, dust	<a href="#">Covers, panels, and doors on page 109</a>
RC3-5345-000CN	Cover, fuser	<a href="#">Covers, panels, and doors on page 109</a>
RC3-5348-000CN	Cover, right	<a href="#">Covers, panels, and doors on page 109</a>
RC3-5353-000CN	Cover, flat cable	<a href="#">Covers, panels, and doors on page 109</a>
RC3-5357-000CN	Door, cartridge	<a href="#">Covers, panels, and doors on page 109</a>
RC3-5365-000CN	Cover, grounding cable	<a href="#">Internal assemblies on page 111</a>
RL1-2671-000CN	Roller, paper pick-up	<a href="#">Internal assemblies on page 111</a>
RL1-3930-000CN	Left cover assembly	<a href="#">Covers, panels, and doors on page 109</a>
RL1-3936-000CN	Right upper cover assembly	<a href="#">Covers, panels, and doors on page 109</a>
RM2-0138-000CN	Upper cover assembly	<a href="#">Covers, panels, and doors on page 109</a>

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

<b>Part number</b>	<b>Description</b>	<b>Table and page</b>
RM2-0139-000CN	Inner cover assembly	<a href="#">Internal assemblies on page 111</a>
RM2-0142-000CN	Operation panel assembly	<a href="#">Covers, panels, and doors on page 109</a>
RM2-0144-000CN	Main tray assembly	<a href="#">Internal assemblies on page 111</a>
RM2-0157-000CN	Fuser delivery assembly (110-127 V)	<a href="#">Internal assemblies on page 111</a>
RM2-0160-000CN	Base plate assembly	<a href="#">Internal assemblies on page 111</a>
RM2-0162-000CN	Rear cover/secondary transfer assembly	<a href="#">Covers, panels, and doors on page 109</a>
RM2-0164-000CN	Power supply cover assembly	<a href="#">Covers, panels, and doors on page 109</a>
RM2-0167-000CN	Fuser delivery assembly (220–240 V)	<a href="#">Internal assemblies on page 111</a>
RM2-0168-000CN	Extension tray assembly	<a href="#">Covers, panels, and doors on page 109</a>
RM2-0170-000CN	Separation pad assembly	<a href="#">Internal assemblies on page 111</a>
RM2-0175-000CN	Intermediate transfer belt assembly (ITB)	<a href="#">Internal assemblies on page 111</a>
RM2-7292-000CN	Low voltage power supply assembly (110-127V)	<a href="#">Internal assemblies on page 111</a>
RM2-7293-000CN	Low voltage power supply assembly (220-240V)	<a href="#">Internal assemblies on page 111</a>
RM2-7300-000CN	Engine controller PCA	<a href="#">Internal assemblies on page 111</a>





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CZ165-90943

