

5. Rotate the roller body away from the product to remove it.

**Figure 1-70** Remove the pickup roller (Tray 1; 5 of 5)



## Reinstall the pickup roller (Tray 1)

- ▲ When reinstalling the pickup roller, make sure the roller cover is installed correctly. Incorrect installation can cause paper to jam.

**Figure 1-71** Correct position of cover



**Figure 1-72** Incorrect position of cover



## Secondary transfer roller

**⚠ CAUTION:** Do not touch the spongy roller surface unless replacing the roller. Skin oils on the roller can cause image quality problems.

1. Open the right-door assembly.

**Figure 1-73** Remove the transfer roller (1 of 3)



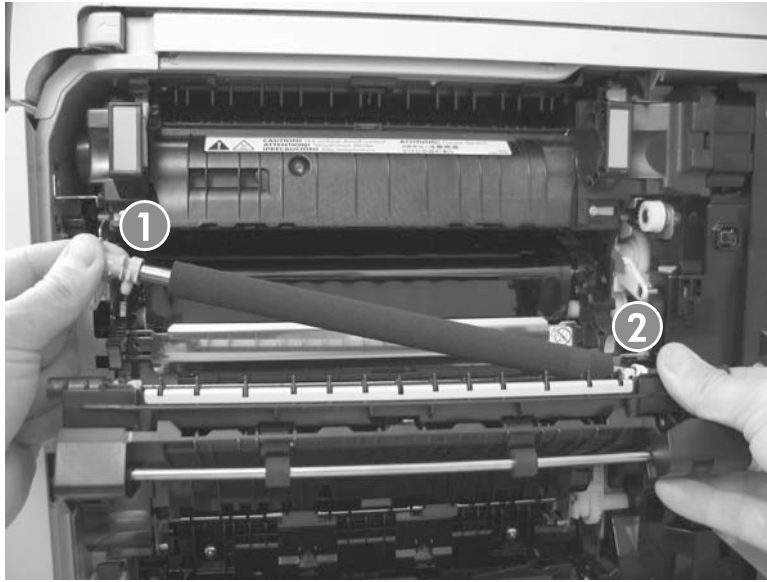
2. Use the blue lever to lower the secondary transfer assembly.

**Figure 1-74** Remove the transfer roller (2 of 3)



3. Grasp the roller shaft collars, and lift the transfer roller off of the product.

**Figure 1-75** Remove the transfer roller (3 of 3)



### Reinstall the secondary transfer roller

When the secondary transfer roller is reinstalled, make sure that the pins on the shaft collars align with the holes in the mounting assembly. After installing the replacement secondary transfer roller, remove the protective cover.

**Figure 1-76** Reinstall the secondary transfer roller





## Standard output bin (M680)

- ▲ Lift and pull the output bin to remove.

**Figure 1-77** Remove the standard output bin



## Output bin bezel (M680)

**Before proceeding, remove the following assemblies**

- Standard output bin. See [Standard output bin \(M680\) on page 52](#).

### Remove the output bin bezel

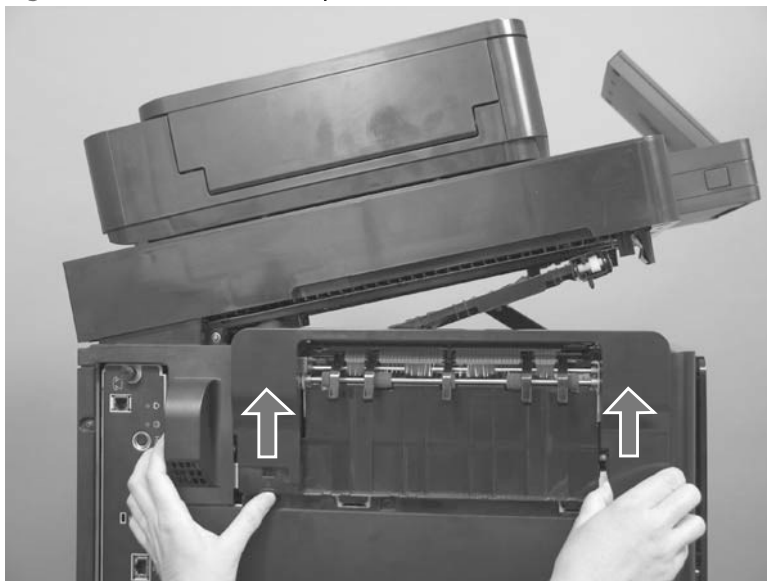
1. Release the scanner latch.

**Figure 1-78** Remove the output bin bezel (1 of 2)



2. Release two latches and lift the bezel up to remove it.

**Figure 1-79** Remove the output bin bezel (2 of 2)



## Document feeder white backing (M680)

1. Open the document feeder.

**Figure 1-80** Remove the document feeder white backing (M680; 1 of 2)



2. Carefully remove the white backing. Remove any remaining adhesive.

**Figure 1-81** Remove the document feeder white backing (M680; 2 of 2)



## Install a replacement document feeder white backing (M680)

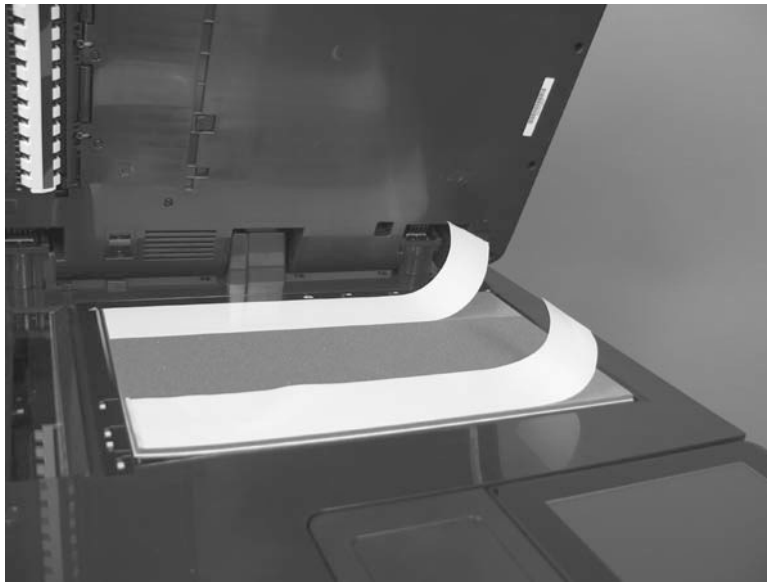
1. Place the new white backing on the scanner glass.

**Figure 1-82** Install a replacement document feeder white backing (1 of 9)



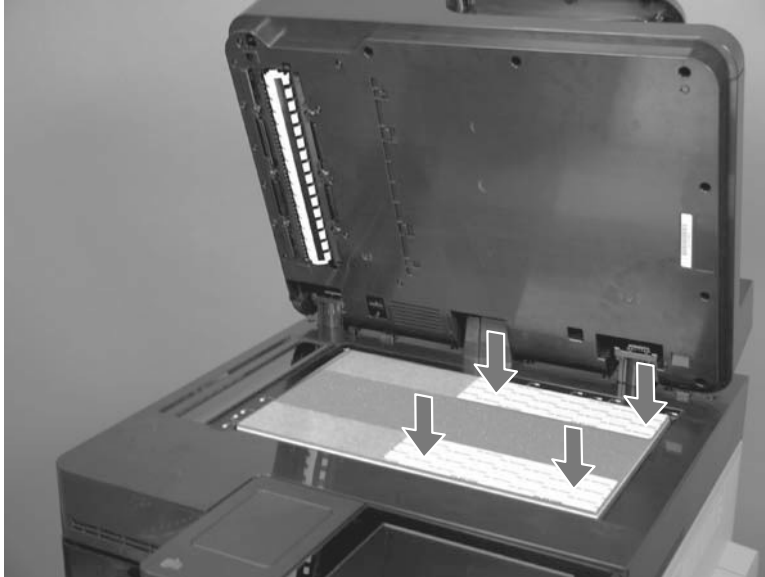
2. Peel off the two strips of adhesive backing.

**Figure 1-83** Install a replacement document feeder white backing (2 of 9)



3. Place the two mylar strips onto the adhesive, as shown. Carefully align the mylar with the edges of the adhesive.

**Figure 1-84** Install a replacement document feeder white backing (3 of 9)



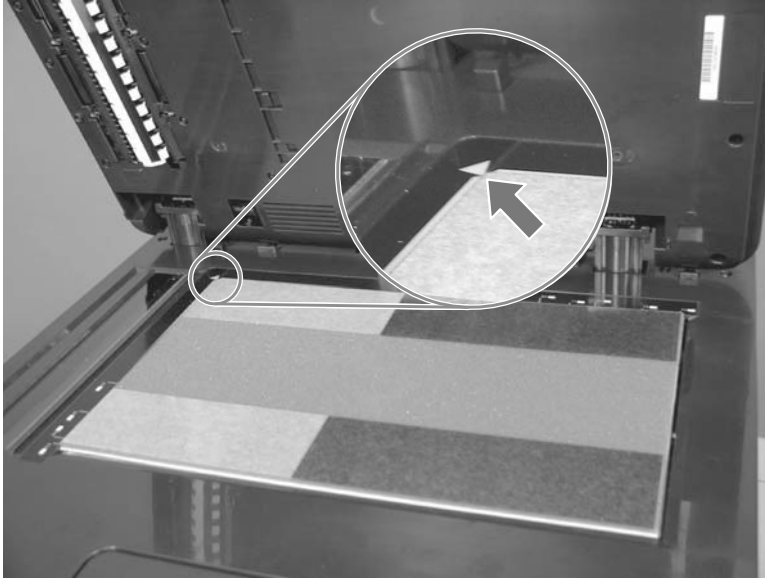
4. Peel off the two strips of adhesive backing.

**Figure 1-85** Install a replacement document feeder white backing (4 of 9)



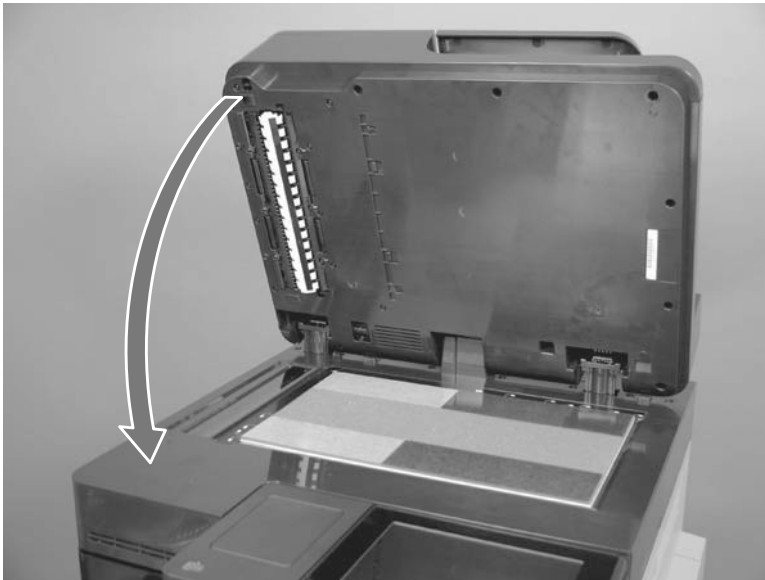
5. Verify that the white backing is aligned with the left rear corner of the scanner glass.

**Figure 1-86** Install a replacement document feeder white backing (5 of 9)



6. Close the document feeder. Press down firmly to adhere the white backing.

**Figure 1-87** Install a replacement document feeder white backing (6 of 9)



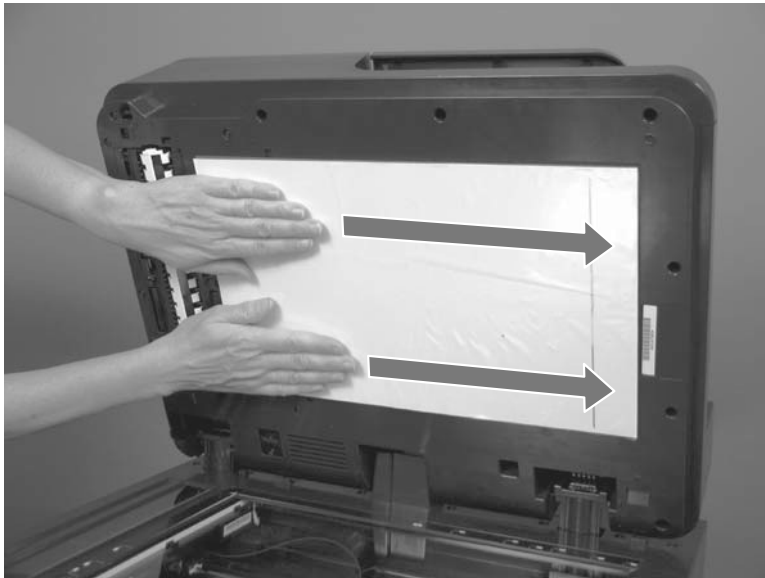
7. Open the document feeder.

**Figure 1-88** Install a replacement document feeder white backing (7 of 9)



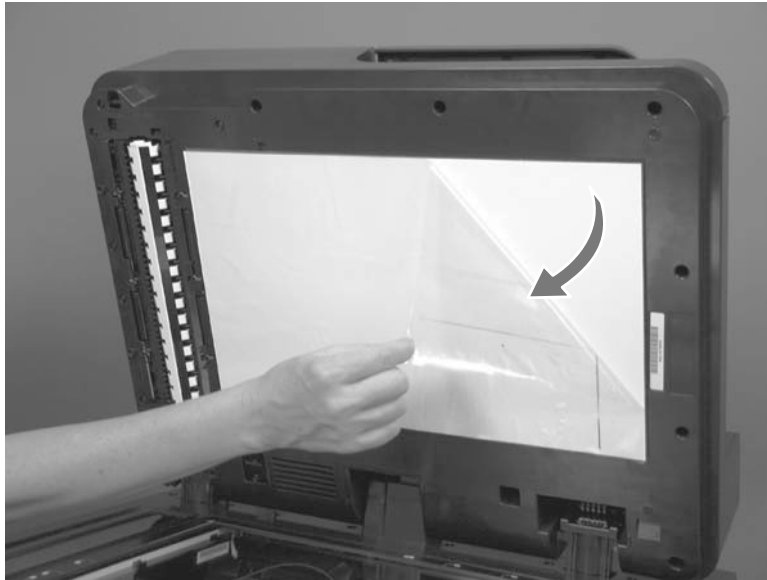
8. Press along the top and bottom of the white backing, over the areas with adhesive.

**Figure 1-89** Install a replacement document feeder white backing (8 of 9)



9. Peel off the plastic backing.

**Figure 1-90** Install a replacement document feeder white backing (9 of 9)

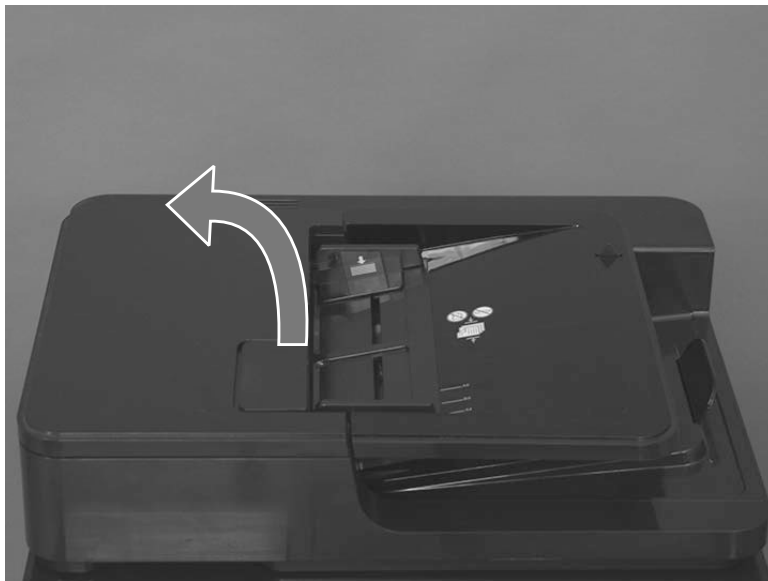




## Background selector (M680)

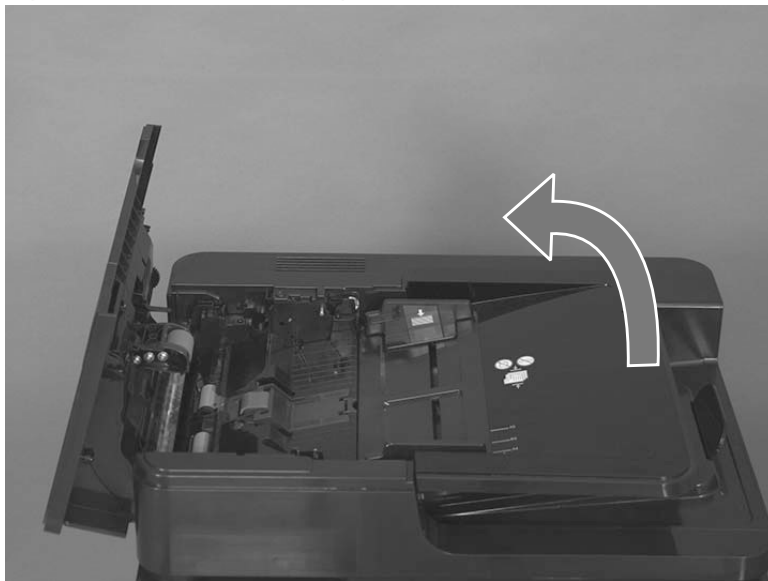
1. Open the document-feeder door.

**Figure 1-91** Remove the background selector (M680; 1 of 4)



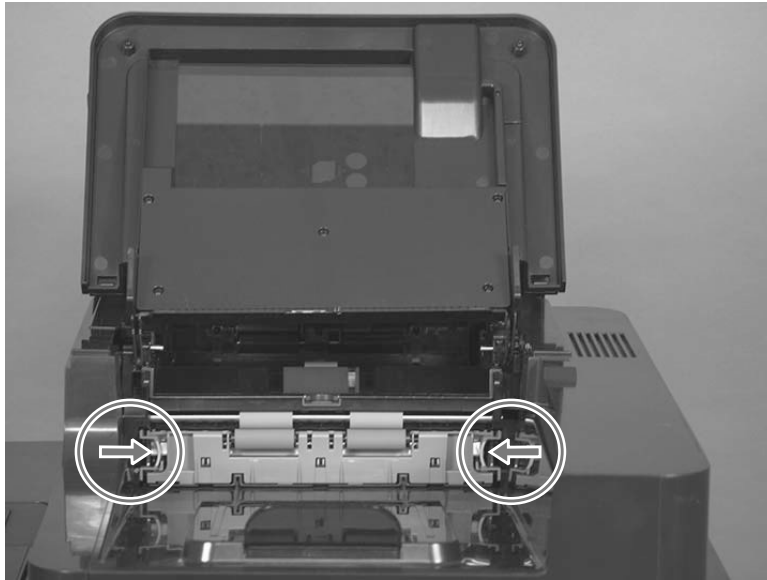
2. Rotate the input tray up.

**Figure 1-92** Remove the background selector (M680; 2 of 4)



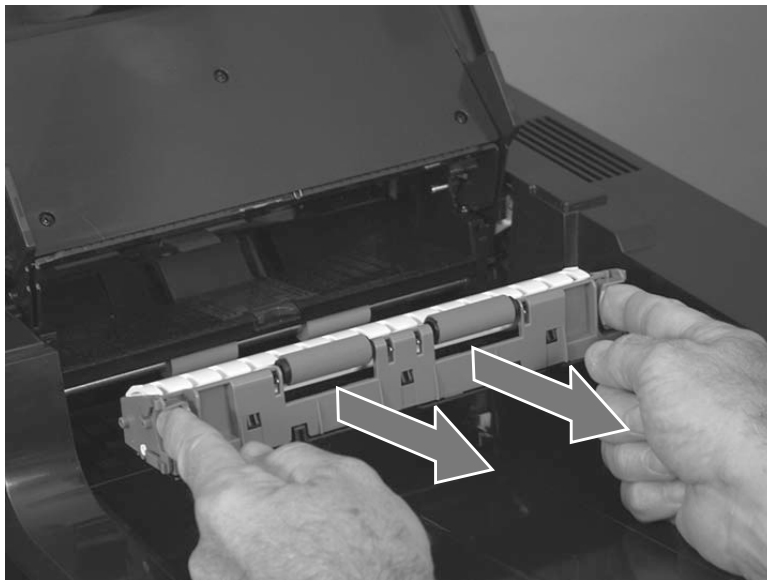
3. Release two tabs.

**Figure 1-93** Remove the background selector (M680; 3 of 4)



4. Slide the background selector away from the product to remove it.

**Figure 1-94** Remove the background selector (M680; 4 of 4)

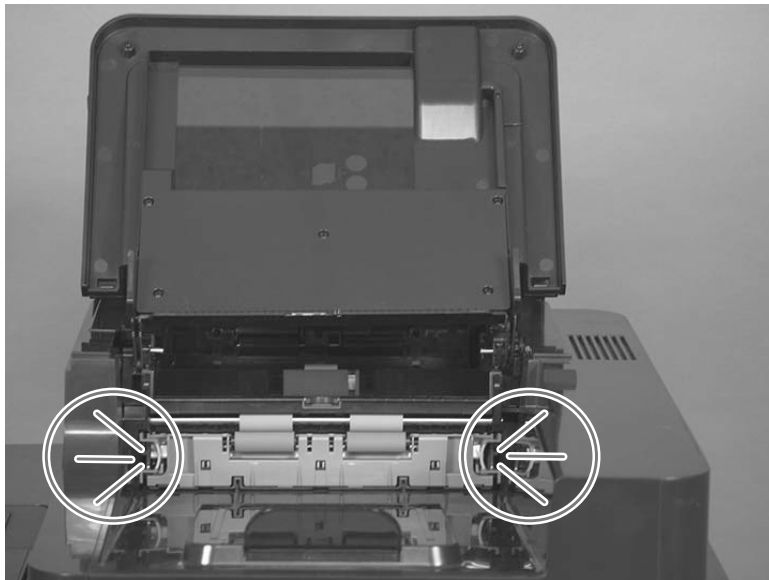


## Reinstall the background selector (M680)

Push in on the background selector until the tabs snap into place.

 **NOTE:** If jams occur after the assembly is installed, make sure that the assembly is fully seated.

**Figure 1-95** Reinstall the background selector (M680)



## Document-feeder roller (M680)

### Remove the document-feeder roller (M680)

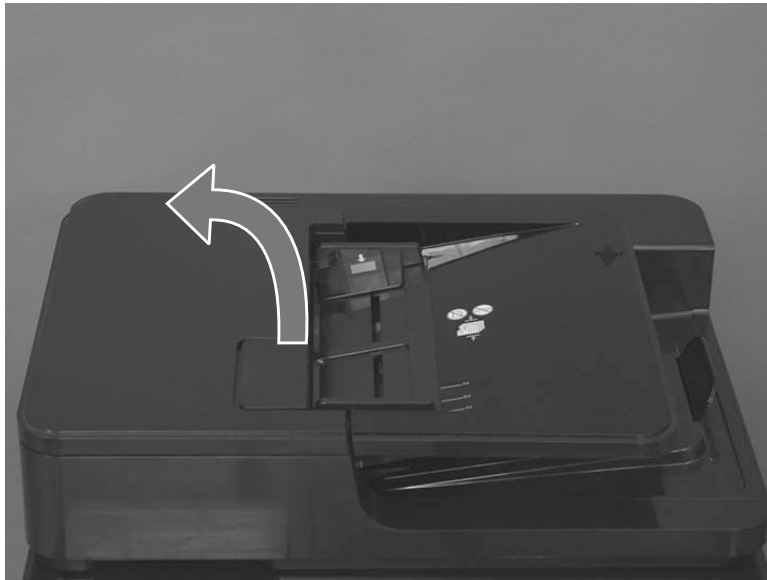
**CAUTION:** Do not touch the spongy roller surface unless replacing the rollers. Skin oils deposited on the rollers might cause paper pickup problems.

**NOTE:** The document-feeder roller and the document feeder separation pad are both part of the ADF roller maintenance kit.


If a replacement roller is installed, reset the New Document Feeder Kit firmware counter. See [Install a replacement document-feeder roller \(M680\)](#) on page 65.

1. Open the document-feeder door.

**Figure 1-96** Remove the document-feeder roller (M680; 1 of 3)



2. Release one tab, and then open the access door.

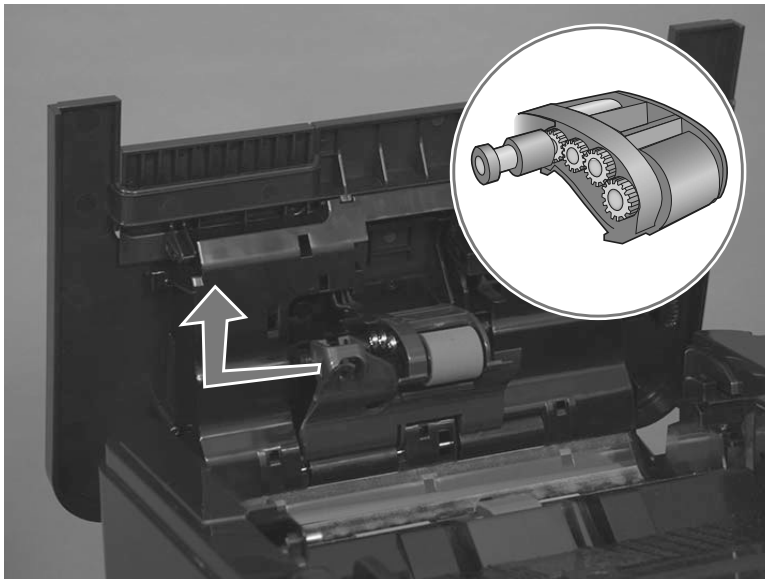
 **Reinstallation tip** When the roller is reinstalled, the access door must be fully closed. When closing the door, two audible clicks should be heard. If, after replacing the roller document feeder, a document feeder jam message appears on the control panel display, make sure that the access door is fully closed.

**Figure 1-97** Remove the document-feeder roller (M680; 2 of 3)



3. Slide the roller left, and then lift it up and out of the product.

**Figure 1-98** Remove the document-feeder roller (M680; 3 of 3)



## Reinstall the document-feeder roller (M680)

- ▲ The roller assembly is keyed. When reinstalling the roller assembly, position the hex-shaped fitting on the shaft toward the rear of the product.

**Figure 1-99** Reinstall the document-feeder roller (M680)



## Install a replacement document-feeder roller (M680)

1. From the Home screen on the control panel, scroll to and touch the **Administration** button.
2. Open the following menus:
  - Manage Supplies
  - Reset Supplies
  - New Document Feeder Kit
3. Select the **Reset** item to reset the firmware counter.

## Document-feeder separation pad and holder (M680)

### Remove the document-feeder separation pad and holder (M680)

**CAUTION:** Do not touch the pad surface unless replacing the pad. Skin oils deposited on the pad might cause paper pickup problems.

**NOTE:** The document-feeder roller and the document-feeder separation pad are both part of the ADF roller maintenance kit.

If a replacement separation pad is installed, reset the New Document Feeder Kit firmware counter. See [Install a replacement document-feeder separation pad and holder \(M680\)](#) on page 68.

1. Open the document-feeder door.

**Figure 1-100** Remove the document-feeder separation pad and holder (M680; 1 of 3)



2. Release one tab.

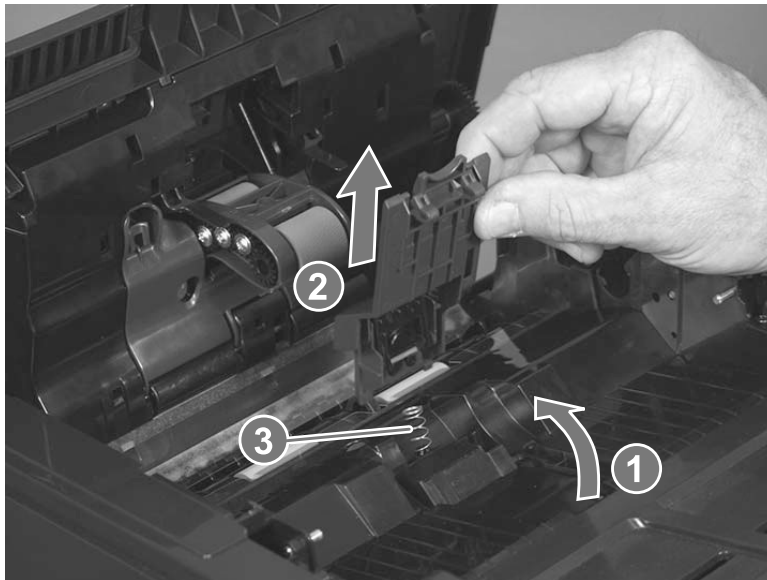
**Figure 1-101** Remove the document-feeder separation pad and holder (M680; 2 of 3)



3. Rotate the separation pad and holder up (callout 1), and then lift it up (callout 2) to remove it.

**⚠ CAUTION:** The spring (callout 3) under the separation pad and holder can easily be dislodged when the holder is removed. If the spring is dislodged, see [Install a replacement document-feeder separation pad and holder \(M680\)](#) on page 68 to install it.

**Figure 1-102** Remove the document-feeder separation pad and holder (M680; 3 of 3)

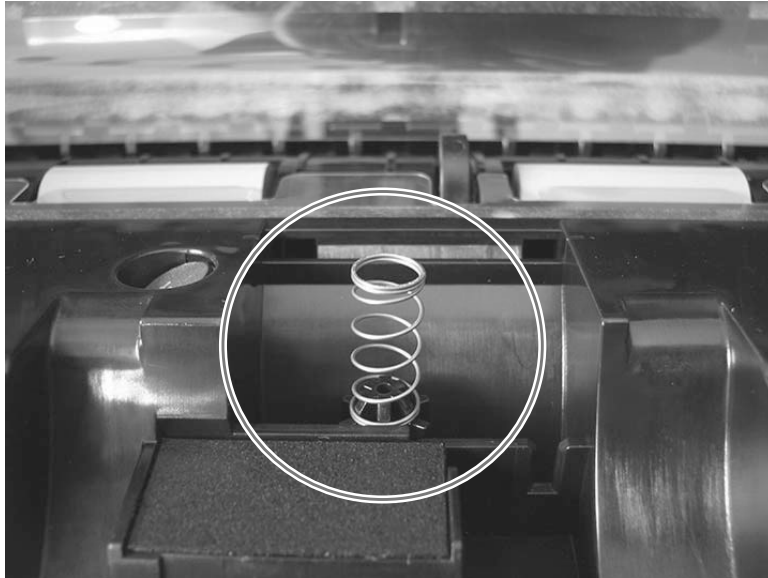




## Install a replacement document-feeder separation pad and holder (M680)

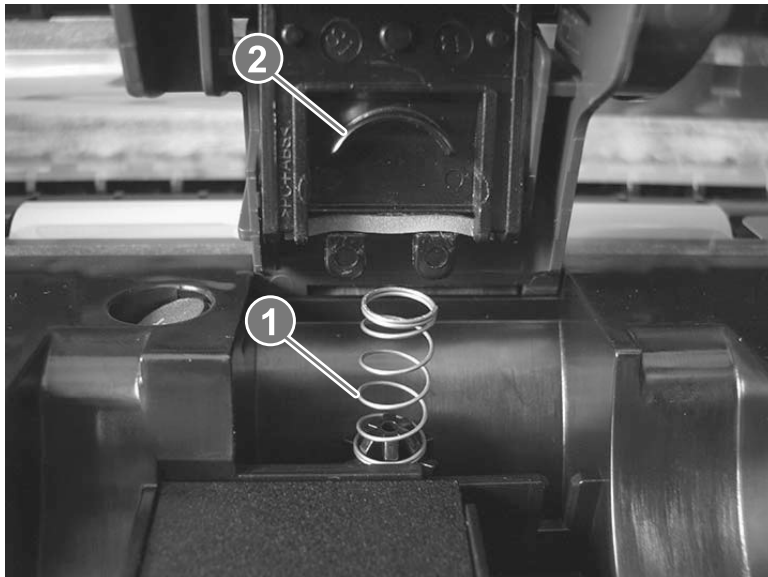
1. Make sure that the separation-pad spring is securely positioned on the spring pedestal before installing a replacement separation pad and holder.

**Figure 1-103** Reinstall the document-feeder separation pad spring (M680; 1 of 2)



2. When the separation pad and holder is installed, make sure that the separation-pad spring (callout 1) is positioned under and behind the ridge (callout 2) on the bottom of the holder.

**Figure 1-104** Reinstall the document-feeder separation pad spring (M680; 2 of 2)



## Install a replacement document-feeder separation pad and holder (M680)

1. From the Home screen on the control panel, scroll to and touch the **Administration** button.
2. Open the following menus:

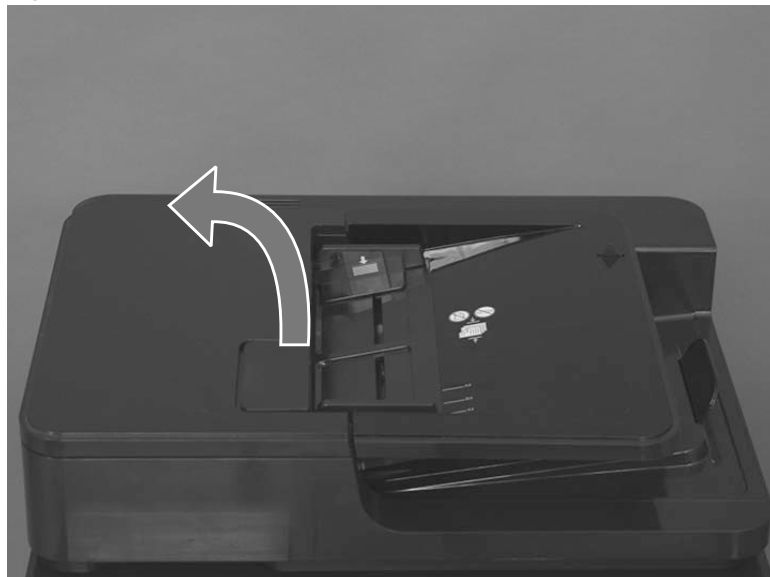
- Manage Supplies
  - Reset Supplies
  - New Document Feeder Kit
- 3.** Select the **Reset** item to reset the firmware counter.

# Document feeder and scanner (M680)

## Document feeder mylar strip

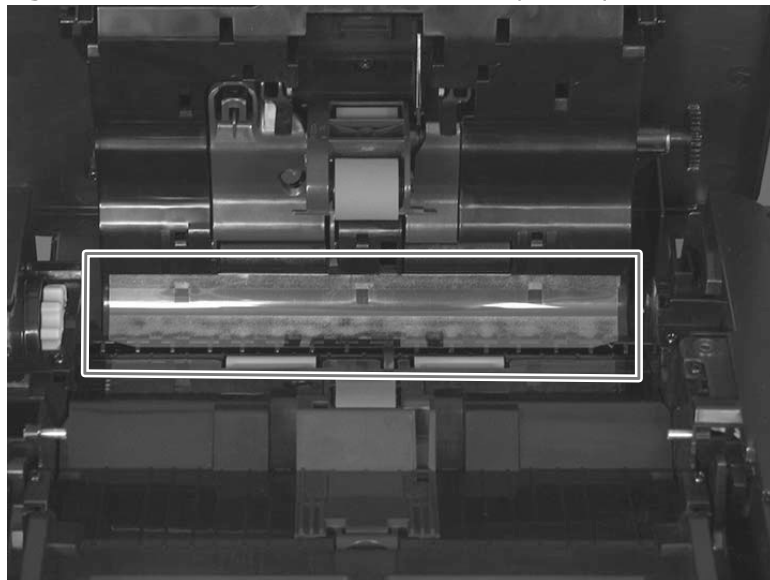
1. Open the document feeder cover.

**Figure 1-105** Remove the document feeder mylar strip (M680; 1 of 3)



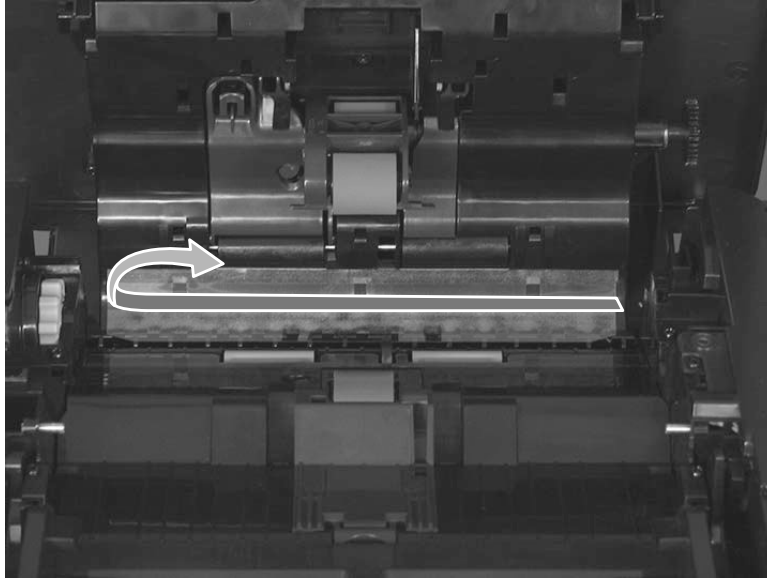
2. Locate the mylar strip.

**Figure 1-106** Remove the document feeder mylar strip (M680; 2 of 3)



3. Carefully remove the mylar strip.

**Figure 1-107** Remove the document feeder mylar strip (M680; 3 of 3)



### Install a replacement document feeder mylar strip (M680)


Use the following guidelines when installing the replacement mylar strip:

1. Skin oils on the mylar strip can cause paper pickup problems. Wash your hands before handling the replacement mylar strip.
2. When handling the replacement mylar strip, do not touch the adhesive portion of the strip.
3. Use a finger to remove any adhesive that remains after removing the mylar strip.

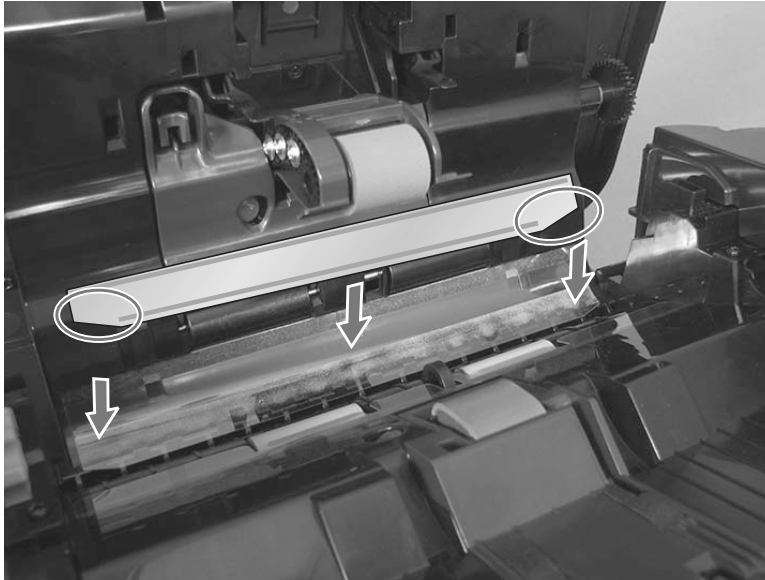
**Figure 1-108** Install a replacement document feeder mylar strip (M680; 1 of 3)



4. Remove the protective backing from the adhesive portion of the replacement mylar strip, and then position the strip as shown, with the beveled corners on the strip facing the document tray.

 **NOTE:** Make sure that the adhesive side of the guide is face down.

**Figure 1-109** Install a replacement document feeder mylar strip (M680; 2 of 3)



5. Press down firmly on the strip to adhere it to the product.

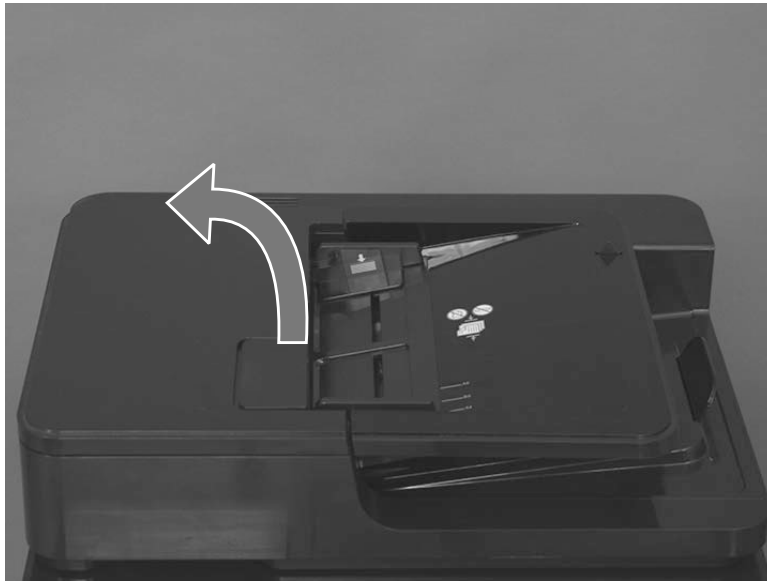
**Figure 1-110** Install a replacement document feeder mylar strip (M680; 3 of 3)



## Document-feeder roller cover

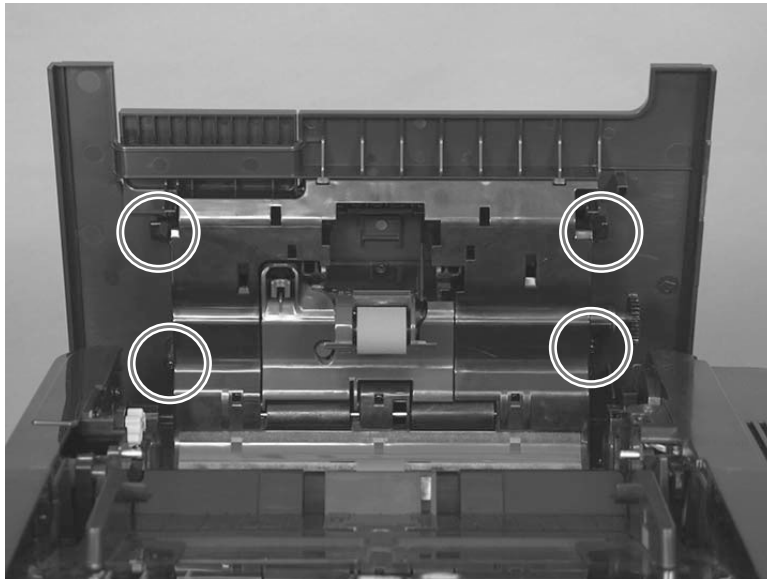
1. Open the document-feeder cover.

**Figure 1-111** Remove the document-feeder roller cover (1 of 10)



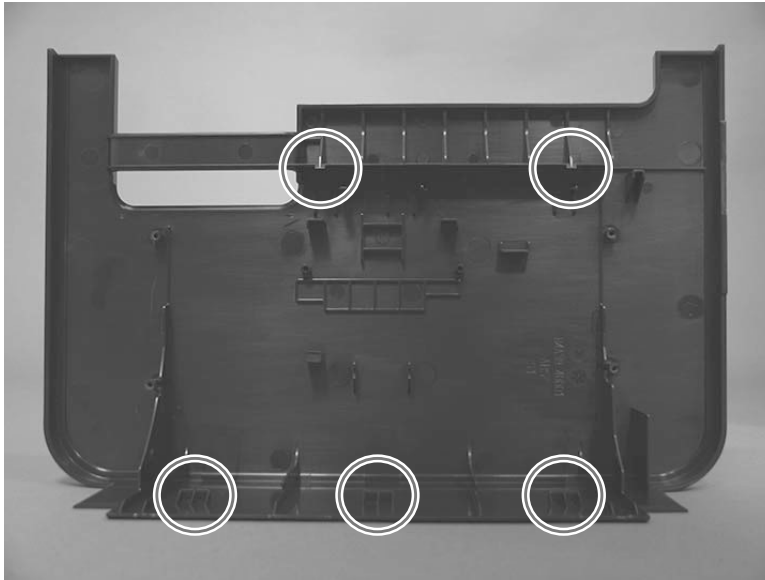
2. Remove four screws.

**Figure 1-112** Remove the document-feeder roller cover (2 of 10)



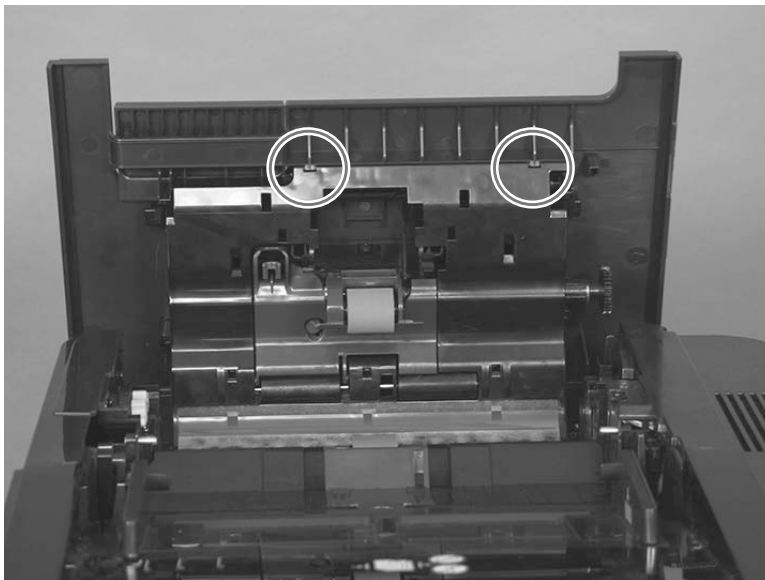
3. Before removing the cover, note the location of the tabs.

**Figure 1-113** Remove the document-feeder roller cover (3 of 10)



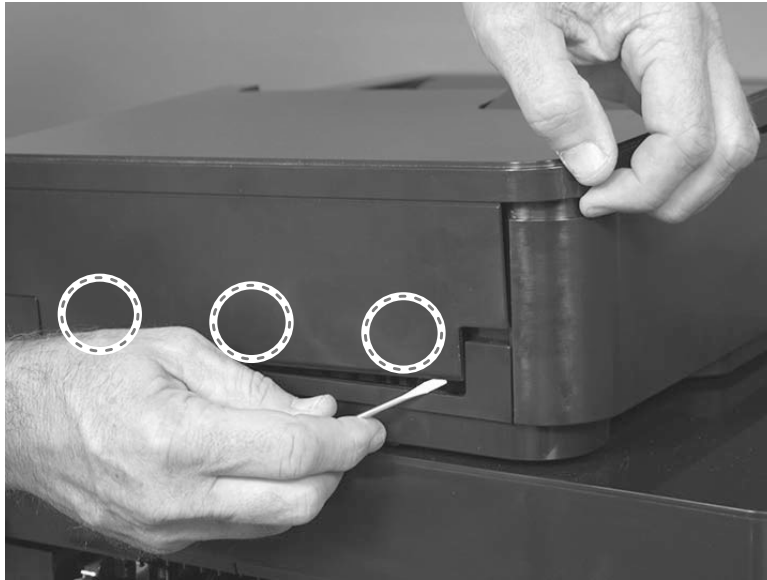
4. Release two tabs.

**Figure 1-114** Remove the document-feeder roller cover (4 of 10)



5. Close the document-feeder cover, and then release the remaining three tabs and remove the cover.

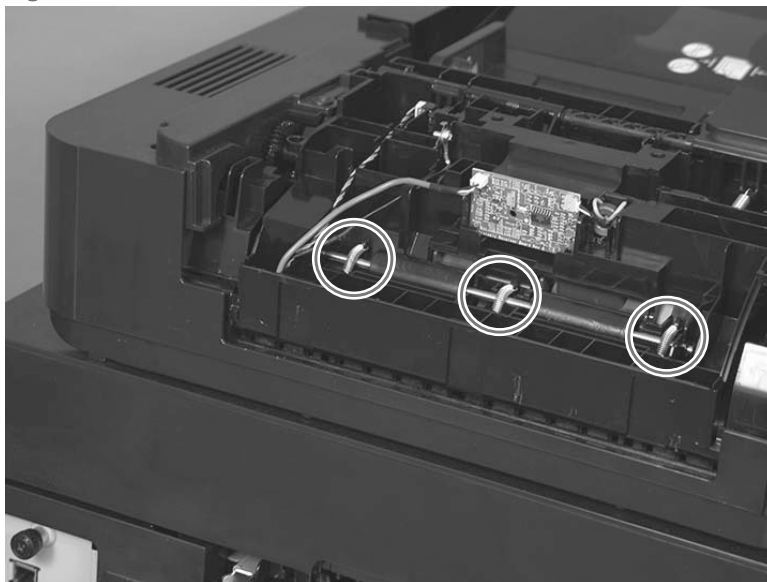
**Figure 1-115** Remove the document-feeder roller cover (5 of 10)



6. Remove three springs.

 **Reinstallation tip** Use needle nose pliers to reattach the spring. Attach the spring to the bottom hook first.

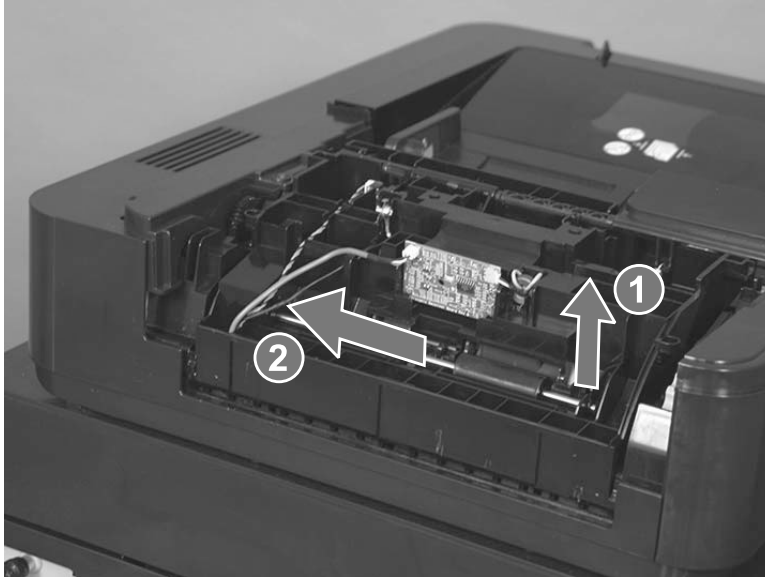
**Figure 1-116** Remove the document-feeder roller cover (6 of 10)





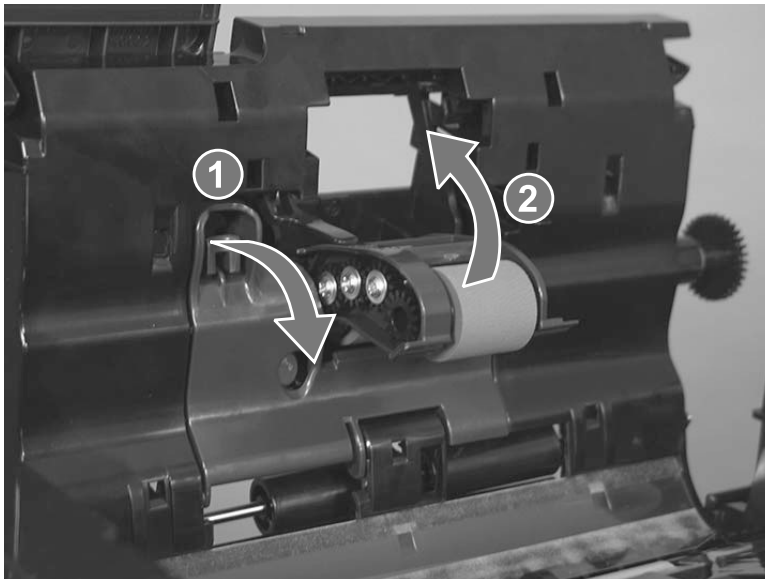
7. Lift the right end of the roller shaft up (callout 1), and then slide the shaft and rollers to the left (callout 2).

**Figure 1-117** Remove the document-feeder roller cover (7 of 10)



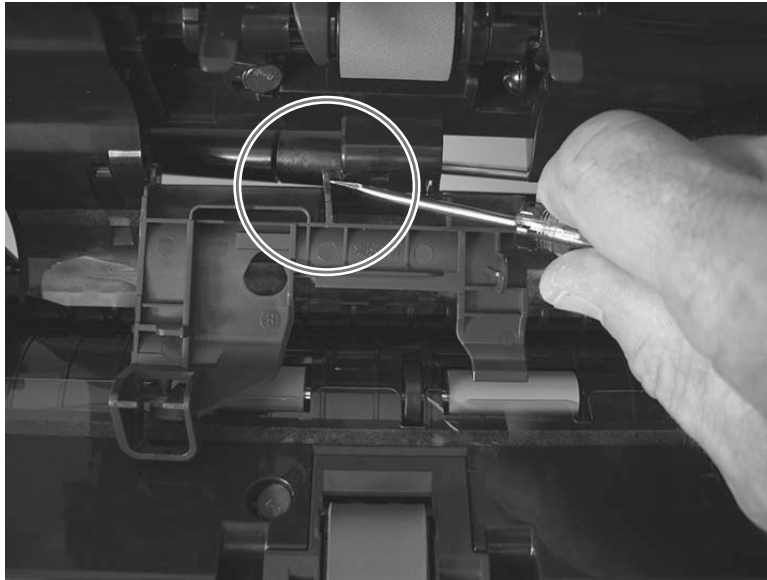
8. Open the document-feeder cover, open the ADF roller cover (callout 1), and move the ADF roller assembly out of the way (callout 2).

**Figure 1-118** Remove the document-feeder roller cover (8 of 10)



9. Release one hinge pin on the document-feeder roller cover.

**Figure 1-119** Remove the document-feeder roller cover (9 of 10)



10. Remove the document-feeder roller cover.

**Figure 1-120** Remove the document-feeder roller cover (10 of 10)



### Reinstall the document-feeder roller cover

1. Make sure that the end of the roller shaft (callout 1) is correctly installed.

**Figure 1-121** Reinstall the document-feeder roller cover (1 of 2)



2. Make sure the document-feeder roller cover and document-feeder roller assembly are correctly positioned before trying to close the cover.

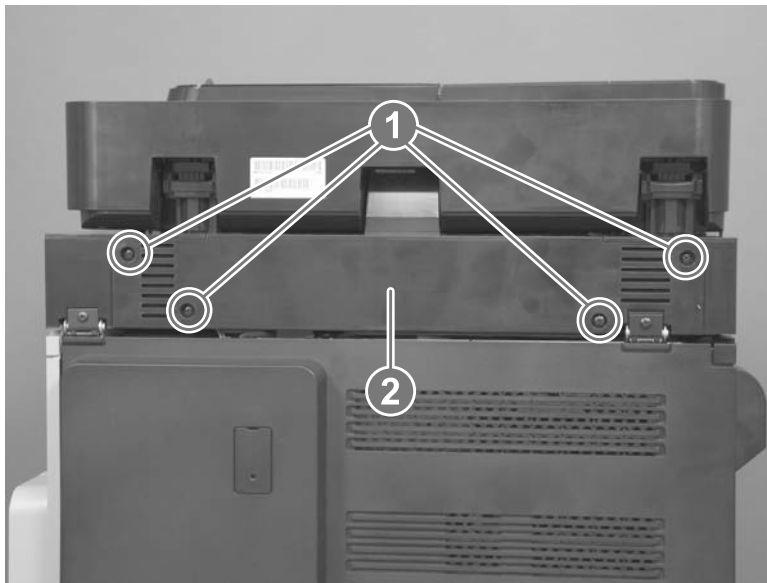
**Figure 1-122** Reinstall the document-feeder roller cover (2 of 2)



## Scanner rear cover

- ▲ Remove four screws (callout 1), and then remove the scanner rear cover (callout 2).

**Figure 1-123** Remove the scanner rear cover



## Document feeder (ADF)

### Before proceeding, remove the following assemblies

- Scanner rear cover. See [Scanner rear cover on page 79](#).

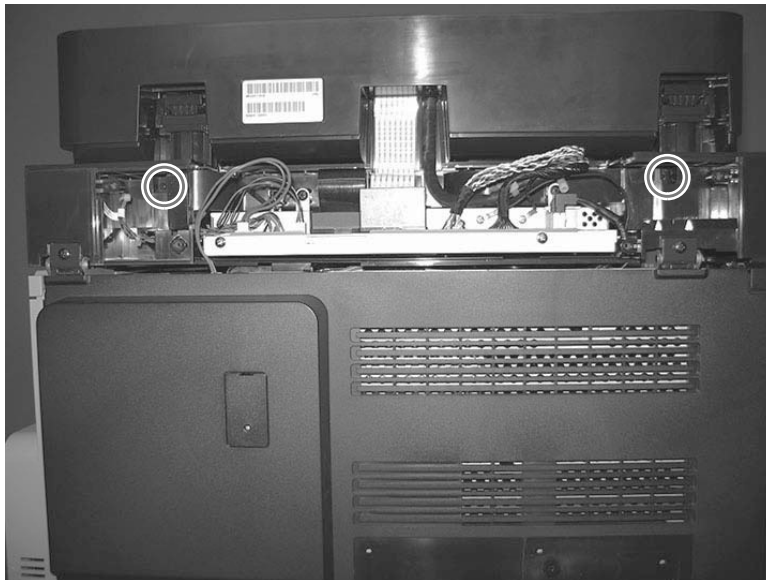
### Remove the document feeder

**IMPORTANT:** When installing a replacement document feeder, see [Complete the document feeder replacement installation on page 87](#) after the product is reassembled.

**NOTE:** If a replacement document feeder or scanner assembly is installed, you must install a replacement white backing on the document feeder. See [Document feeder white backing \(M680\) on page 54](#).

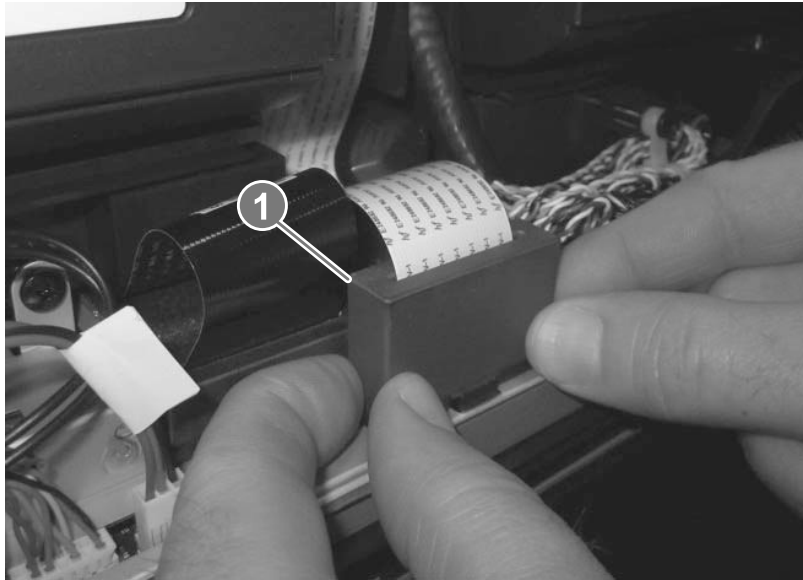
1. Loosen two document-feeder hinge-locking screws. Back them out about 13 mm (0.5 in).

**Figure 1-124** Remove the document feeder (1 of 8)



2. Firmly grasp the left-most ferrite (callout 1) as close to the SCB sheet-metal housing as possible.

**Figure 1-125** Remove the document feeder (2 of 8)

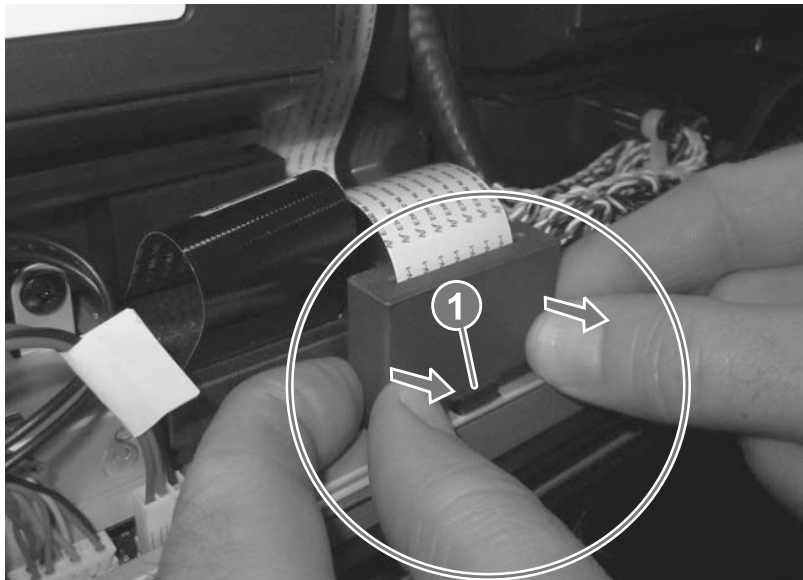


3. Carefully slide the ferrite forward to compress the locking tab (callout 1) on the ferrite holder, and to disengage the tabs at the back of the ferrite holder.




**NOTE:** To avoid damaging the locking clip or the tabs on the back side of the holder, keep the ferrite vertical as it slides forward.

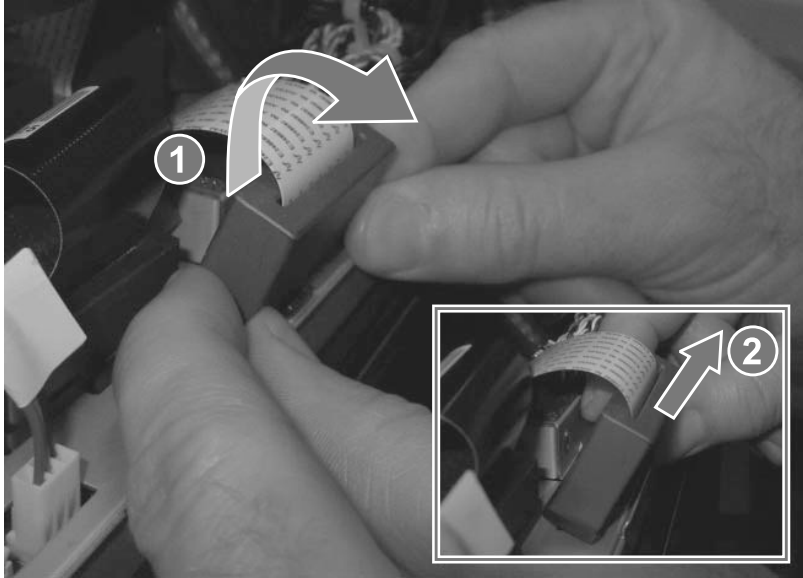
**Figure 1-126** Remove the document feeder (3 of 8)



4. Carefully rotate the top of the ferrite holder forward (callout 1), and then remove the ferrite and holder (callout 2).

 **NOTE:** To reinstall the ferrite and holder, see [Special considerations for reinstalling the ferrite and holder on page 85](#).

**Figure 1-127** Remove the document feeder (4 of 8)



5. Pull straight up on the FCC to remove it.

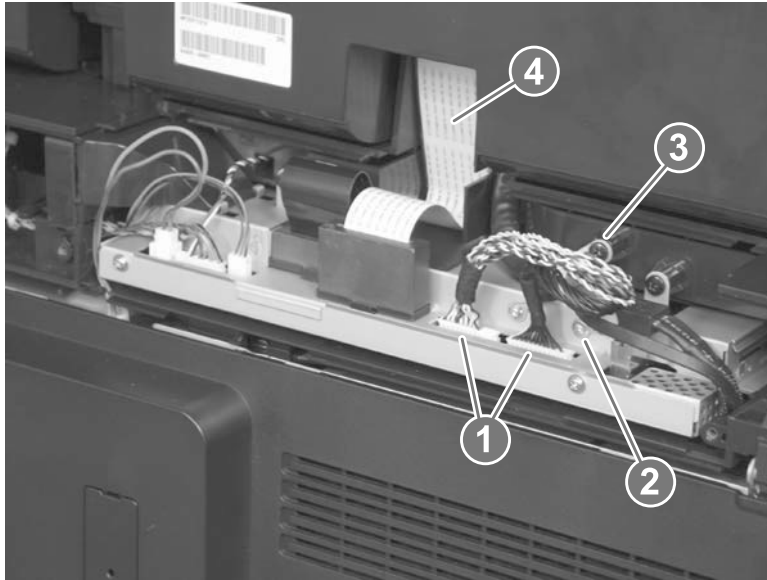
**Figure 1-128** Remove the document feeder (5 of 8)



6. Disconnect two connectors (callout 1), remove one grounding wire screw (callout 2), and the wire bundle retainer (callout 3).

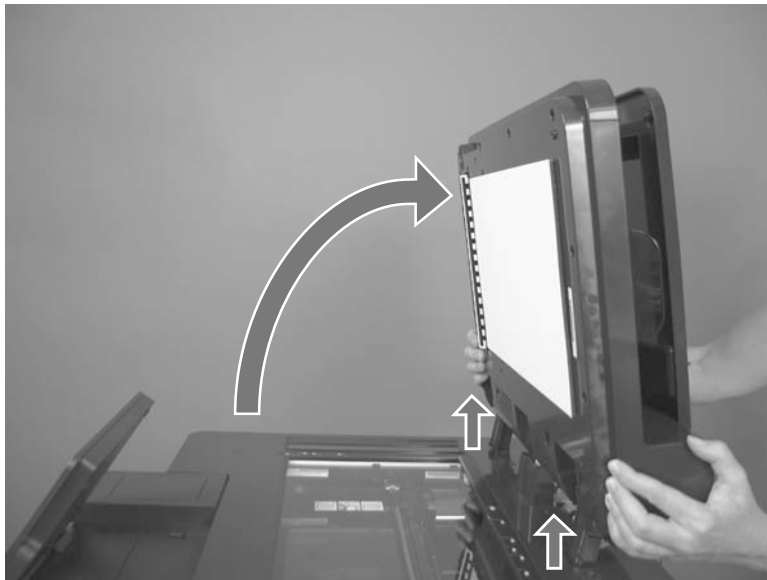
 **Reinstallation tip** When reinstalling the document feeder, position the wire harnesses and FFC in the opening in the cover (callout 4).

**Figure 1-129** Remove the document feeder (6 of 8)



7. Open the document feeder, and lift it up until it stops.

**Figure 1-130** Remove the document feeder (7 of 8)





8. Tilt the document feeder back, and pull it straight up to remove it.

---

**⚠ CAUTION:** The document feeder weighs 5.8 kg (12.8 lb).

---

**Figure 1-131** Remove the document feeder (8 of 8)



## Install a replacement document feeder

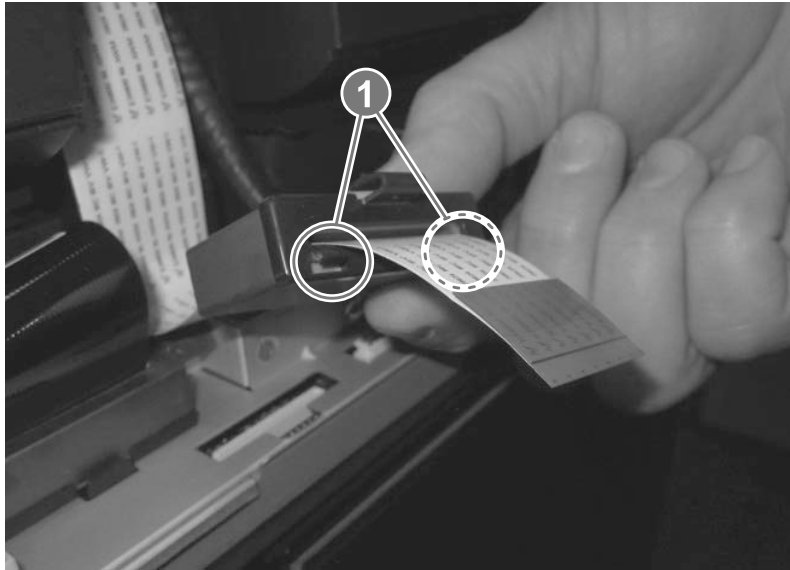


**NOTE:** If a replacement document feeder or scanner assembly is installed, install a replacement white backing on the document feeder. See [Document feeder white backing \(M680\)](#) on page 54.

### Special considerations for reinstalling the ferrite and holder

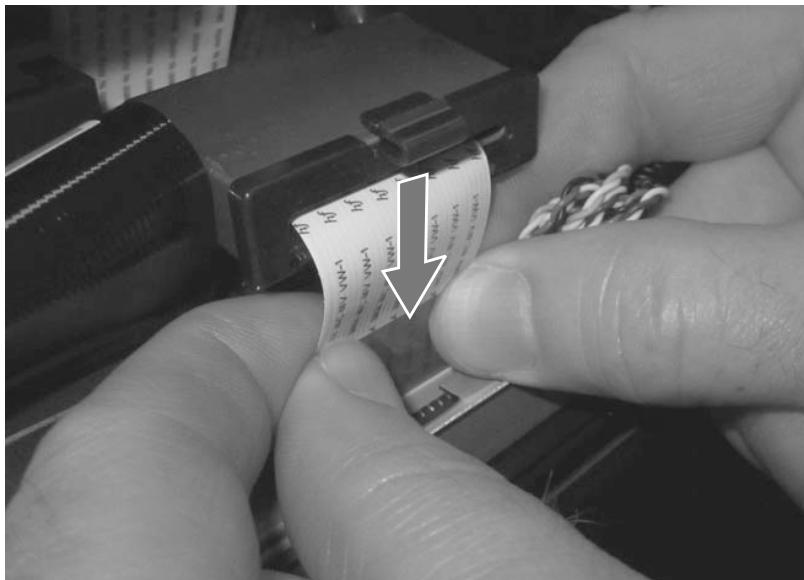
1. Insert the FFC through the opening in the ferrite, and verify that the tabs (callout 1) on the ferrite holder are not damaged.

**Figure 1-132** Install the ferrite and holder (1 of 5)



2. Push the FFC straight down into the connector to install it.

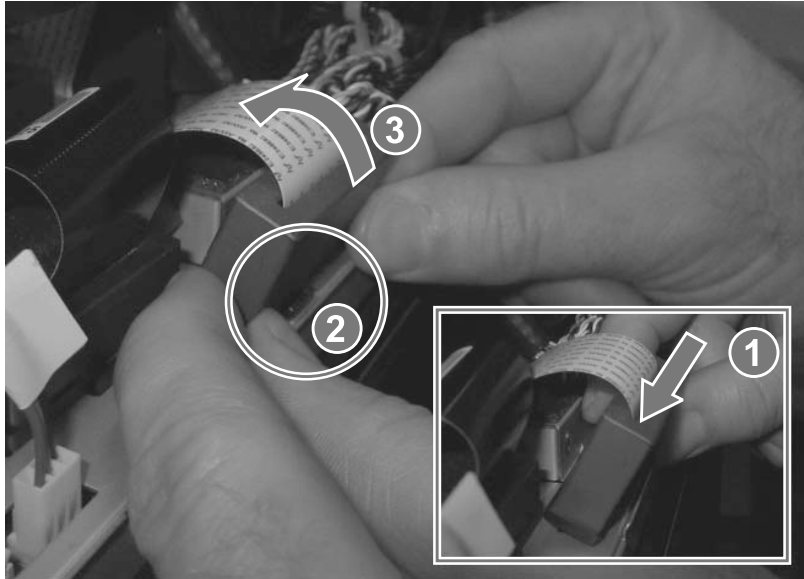
**Figure 1-133** Install the ferrite and holder (2 of 5)



3. Tilt the ferrite and holder forward, and then place it on the opening in the SCB sheet-metal housing (callout 1). Make sure that the locking tab on the holder is compressed against the SCB sheet-metal housing (callout 2).

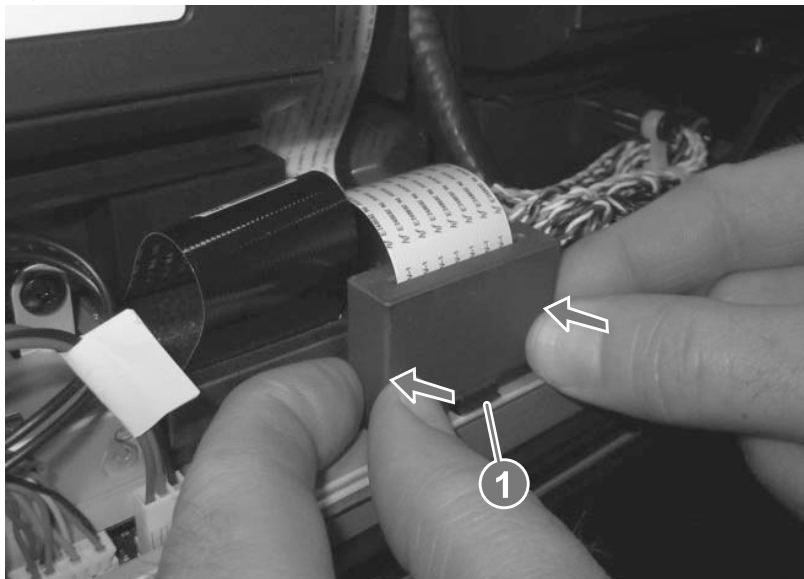
Rotate the ferrite and holder backward until it is positioned flat against the SCB sheet-metal housing (callout 3).

**Figure 1-134** Install the ferrite and holder (3 of 5)



4. Carefully slide the ferrite backward to release the locking tab (callout 1) on the ferrite holder, and to engage the tabs on the back of the ferrite holder with the SCB sheet-metal housing.

**Figure 1-135** Remove the document feeder (4 of 5)



5. Verify that the ferrite and holder are securely fastened to the SCB sheet-metal housing, and that the holder is fully seated.

**Figure 1-136** Install the ferrite and holder (5 of 5)



#### **Complete the document feeder replacement installation**

If a replacement document feeder is installed, perform the following tasks after reassembling the product:

1. Use the **Service** menu to reset the **Document Feeder Kit Interval** and **ADF Count** firmware counters.
  - a. From the Home screen on the control panel, scroll to and touch the **Device Maintenance** button.
  - b. Open the **Service** menu.
  - c. On the sign-in screen, select the **Service Access Code** option from the drop-down list.
  - d. Enter the following service access code for this product: 04068014.
  - e. Reset the following values:
    - **Document Feeder Kit Interval**; set to zero
    - **ADF Count**; set to zero
2. Use the **Manage Supplies** menu to reset the **New Document Feeder Kit** firmware counter.
  - a. From the Home screen on the control panel, scroll to and touch the **Supplies** button.
  - b. Open the following menus:

- Manage Supplies
  - Reset Supplies
  - New Document Feeder Kit
- c.** Select the **Reset** item.
- 3.** Use the **Calibration/Cleaning** menu to calibrate the scanner.
- a.** From the Home screen on the control panel, scroll to and touch the **Device Maintenance** button.
- b.** Open the following menus:
- Calibration/Cleaning
  - Calibrate Scanner
- c.** Touch the **Next** button to start the calibration process. Follow the on-screen prompts.
- d.** Wait while the product calibrates the scanner.

## Document-feeder hinge assembly

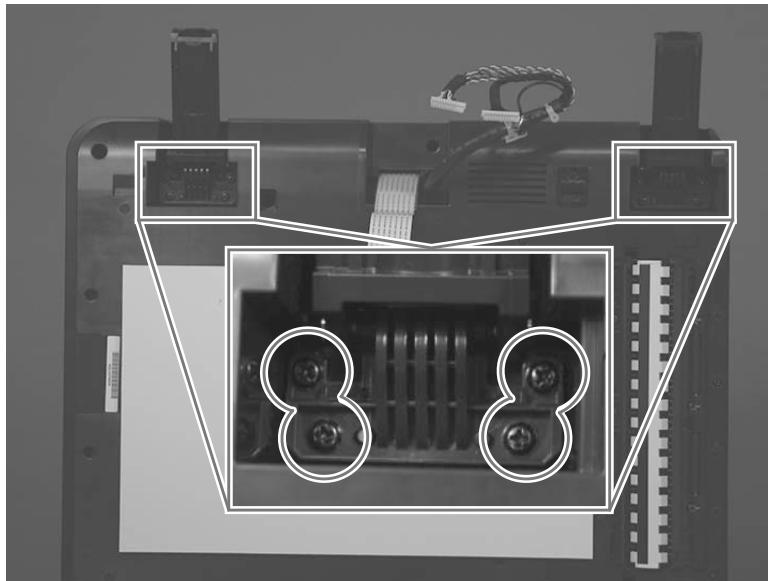
Before proceeding, remove the following assemblies

- Document feeder. See [Document feeder \(ADF\) on page 80](#).

### Remove the document-feeder hinge assembly

- ▲ For each hinge, remove four screws and remove the hinge assembly.

**Figure 1-137** Remove the document-feeder hinge assembly



## Scanner control board (SCB) fan (M680)

### Before proceeding, remove the following assemblies

- Scanner rear cover. See [Scanner rear cover on page 79](#).



**NOTE:** This assembly is also called the scanner control board fan assembly kit.

### Remove the scanner control board (SCB) fan

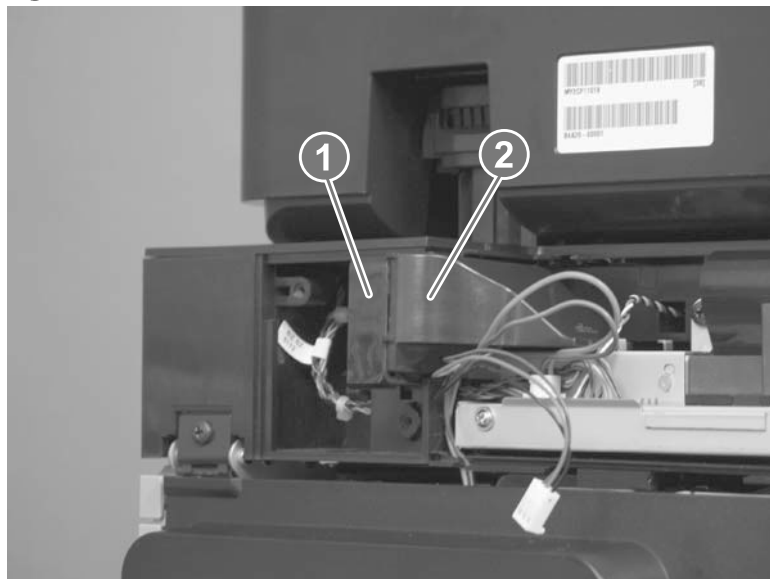
1. Disconnect one connector.

**Figure 1-138** Remove the scanner control board fan (1 of 3)



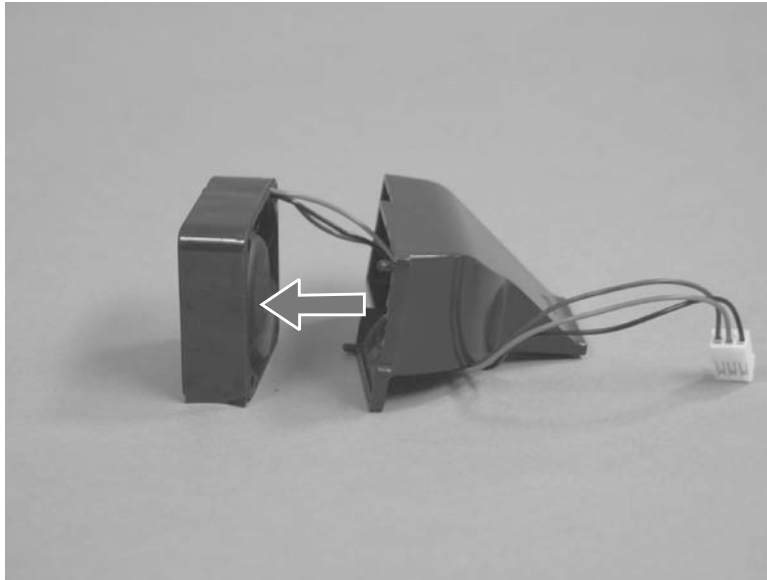
2. Slide the SCB fan (callout 1) and housing (callout 2) straight back to remove them.

**Figure 1-139** Remove the scanner control board fan (2 of 3)



3. Separate the fan from the housing.

**Figure 1-140** Remove the scanner control board fan (3 of 3)

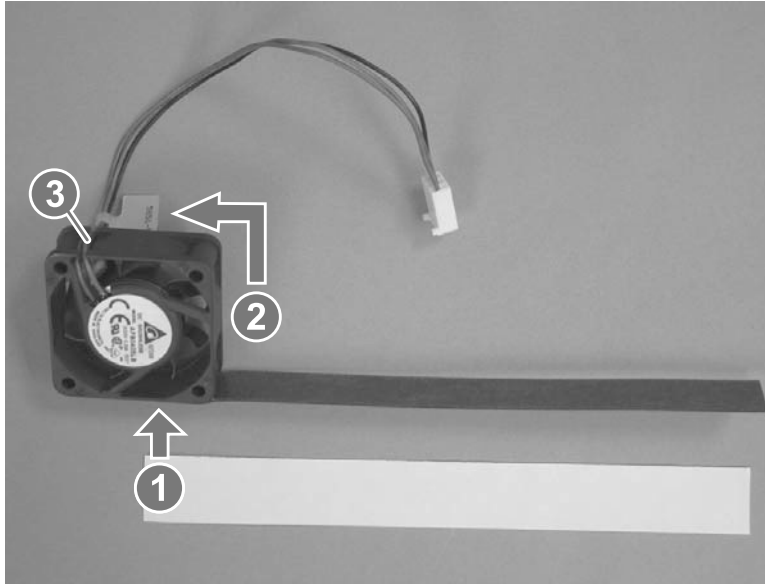




## Install a replacement SCB fan

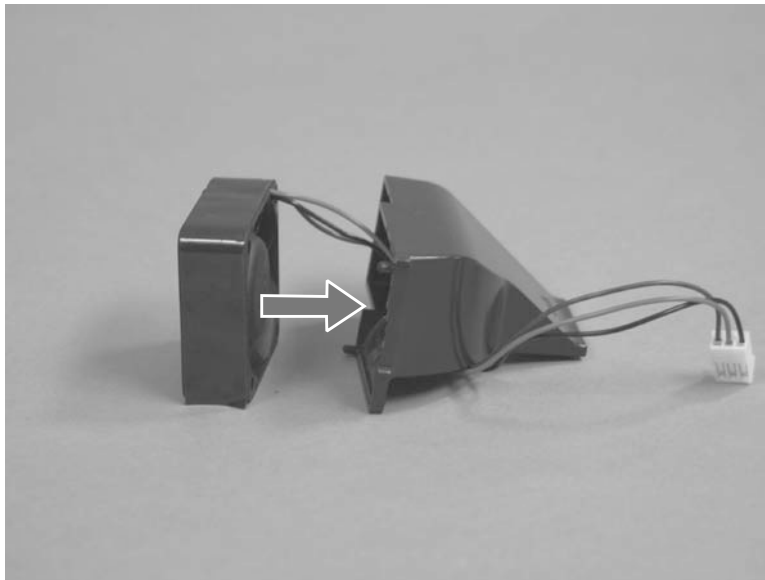
1. Peel the adhesive backing from the foam strip supplied with the replacement fan. Apply the foam strip to the fan, starting at the arrow (callout 1) and continuing around the fan (callout 2). Place the foam over the wires (callout 3).

**Figure 1-141** Install a replacement SCB fan (1 of 2)



2. Install the replacement fan in the housing, and then reinstall the assembly in the product.


**Figure 1-142** Install a replacement SCB fan (2 of 2)



## Scanner control board (SCB)

### Before proceeding, remove the following assemblies

- Scanner rear cover. See [Scanner rear cover on page 79](#).
- Scanner control board fan. See [Scanner control board \(SCB\) fan \(M680\) on page 90](#).

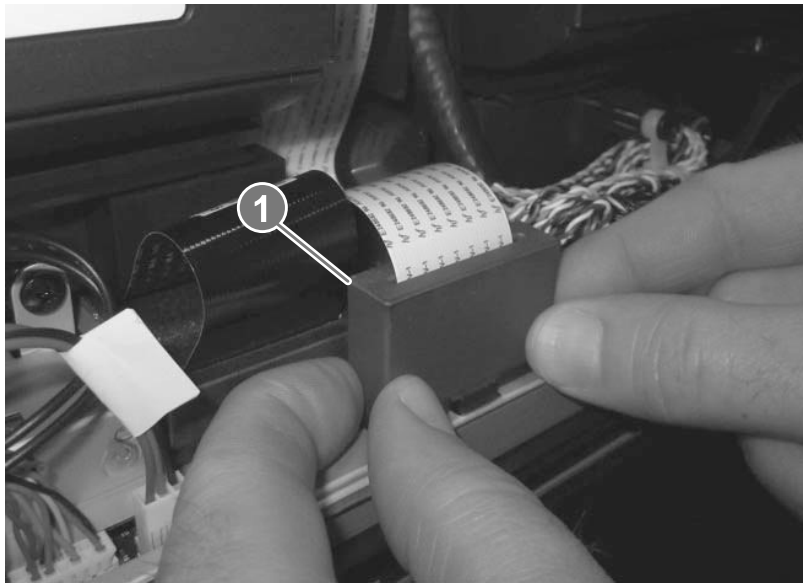
 **TIP:** The following procedure describes removing the SCB without first removing the document feeder and scanner. If the document feeder and scanner are removed for other reasons, it is easier to remove the SCB after removing the scanner.

---


### Remove the SCB

1. Firmly grasp the left-most ferrite (callout 1) as close to the SCB sheet-metal housing as possible.

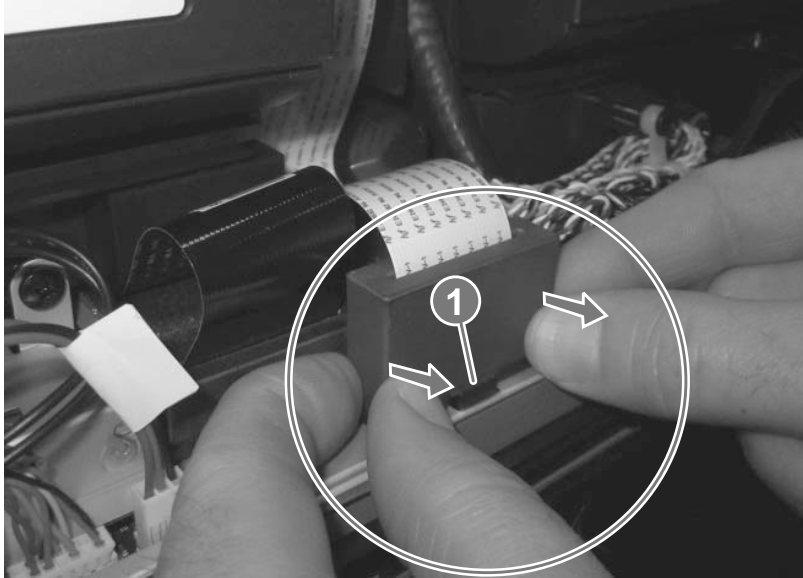
**Figure 1-143** Remove the SCB (1 of 13)




2. Carefully slide the ferrite forward to compress the locking tab (callout 1) on the ferrite holder, and to disengage the tabs at the back of the ferrite holder.

 **NOTE:** To avoid damaging the locking clip or the tabs on the back side of the holder, keep the ferrite vertical as it slides forward.

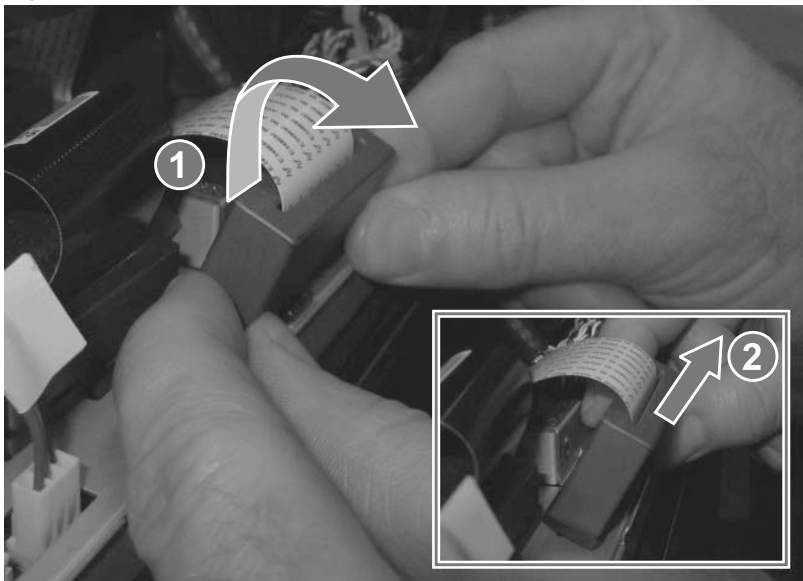
**Figure 1-144** Remove the SCB (2 of 13)



3. Carefully rotate the top of the ferrite holder forward (callout 1), and then remove the ferrite and holder (callout 2).

 **NOTE:** To reinstall the ferrite and holder, see [Special considerations for reinstalling the ferrites and holders on page 99](#).

**Figure 1-145** Remove the SCB (3 of 13)



4. Pull straight up on the FCC to remove it.

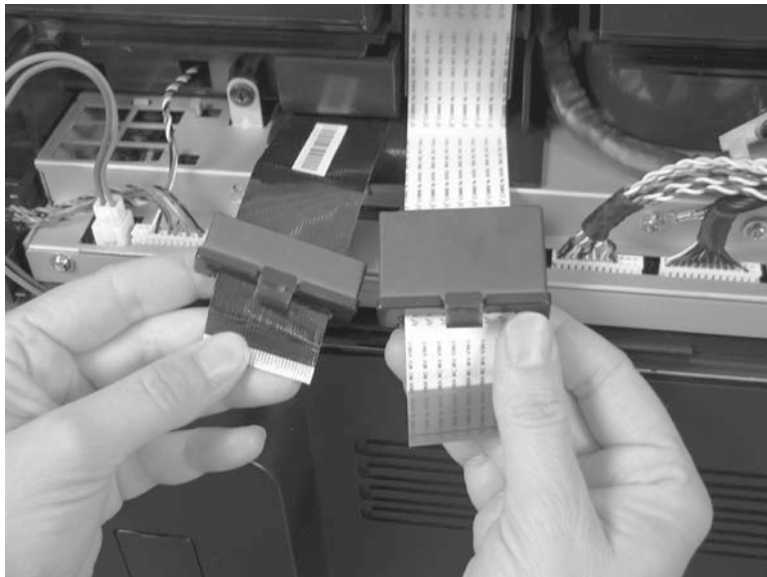
Repeat this process for the right-most ferrite, holder, and the FCC.

**Figure 1-146** Remove the SCB (4 of 13)



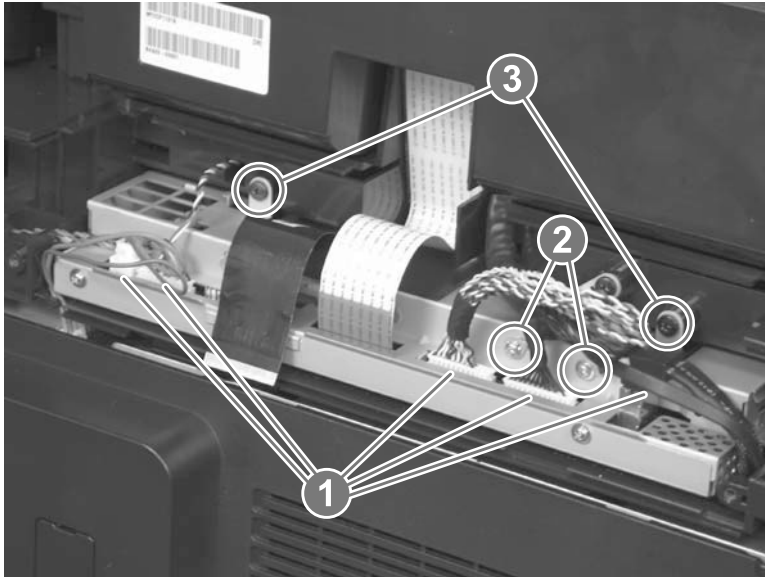
5. After disconnecting the two FCCs from the SCB, slide the ferrites off the FCCs.

**Figure 1-147** Remove the SCB (5 of 13)



6. Disconnect five connectors (callout 1), two grounding wires (callout 2), and remove two screws (callout 3).

**Figure 1-148** Remove the SCB (6 of 13)



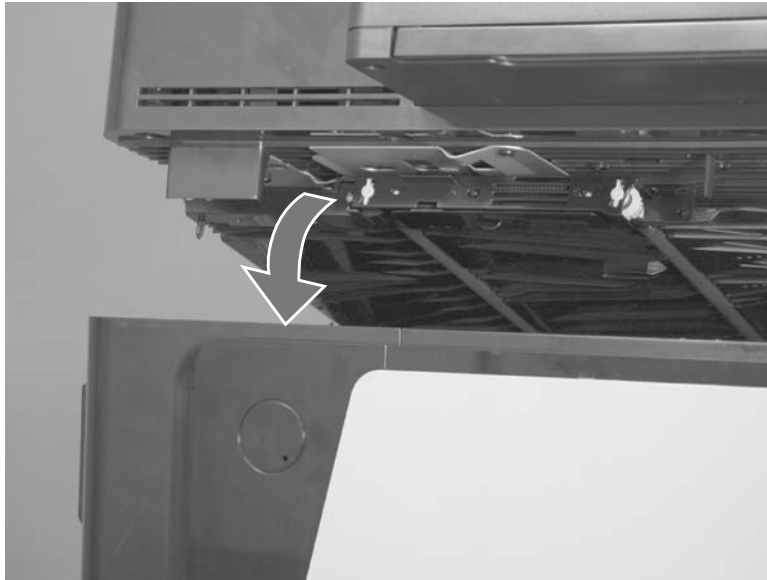
7. Release the scanner latch.

**Figure 1-149** Remove the SCB (7 of 13)



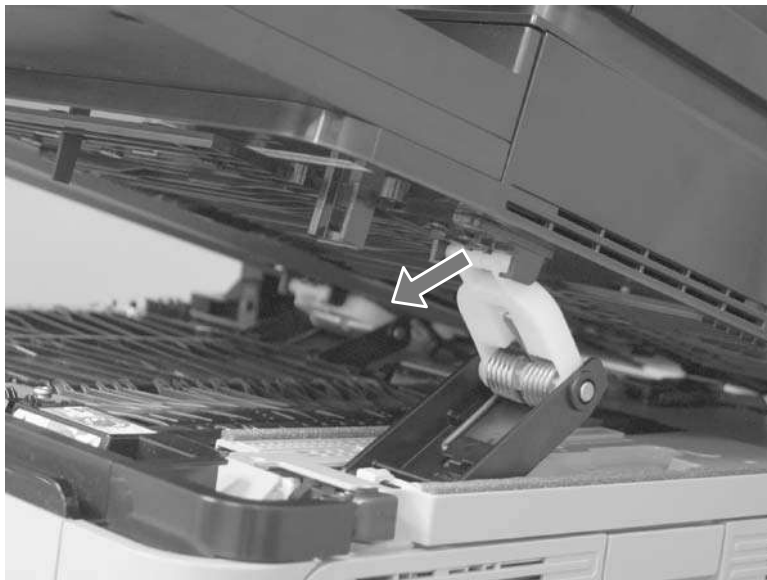
8. Pull down the IPTU top cover.

**Figure 1-150** Remove the SCB (8 of 13)



9. Pull the top of the front scanner hinge forward to release it.

**Figure 1-151** Remove the SCB (9 of 13)



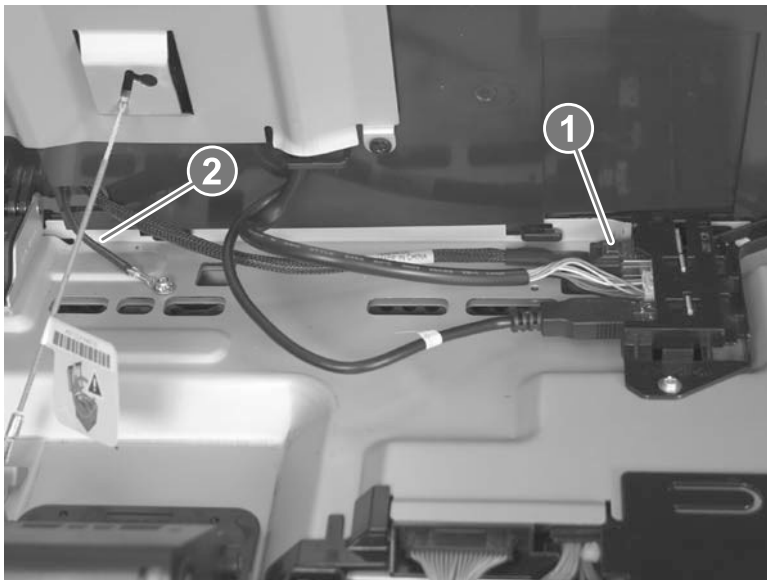
10. Pull the top of the rear scanner hinge forward to release it.

**Figure 1-152** Remove the SCB (10 of 13)



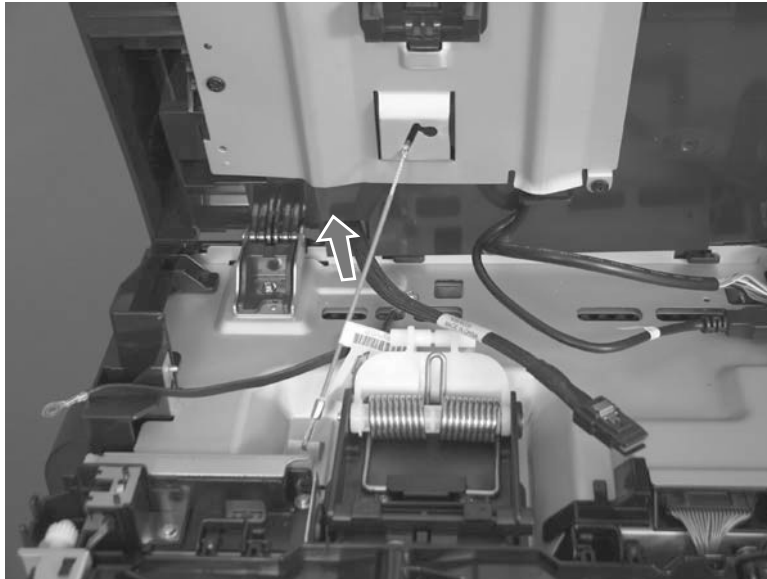
11. Disconnect the USB cable (callout 1), and pull the grounding wire through the opening (callout 2).

**Figure 1-153** Remove the SCB (11 of 13)



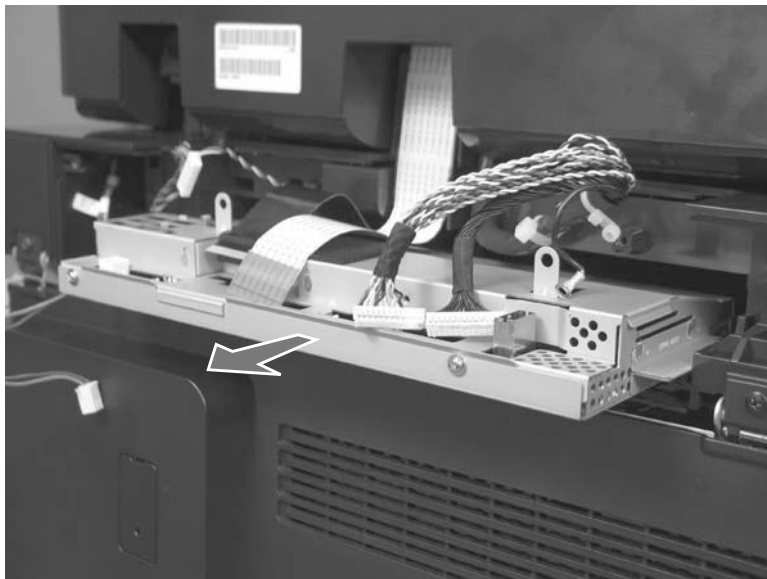
12. Push the USB cable through the opening. Rotate it to fit through the opening. Remove the USB cable, and then close the scanner.

**Figure 1-154** Remove the SCB (12 of 13)



13. From the rear of the product, pull the SCB straight back to remove it.

**Figure 1-155** Remove the SCB (13 of 13)



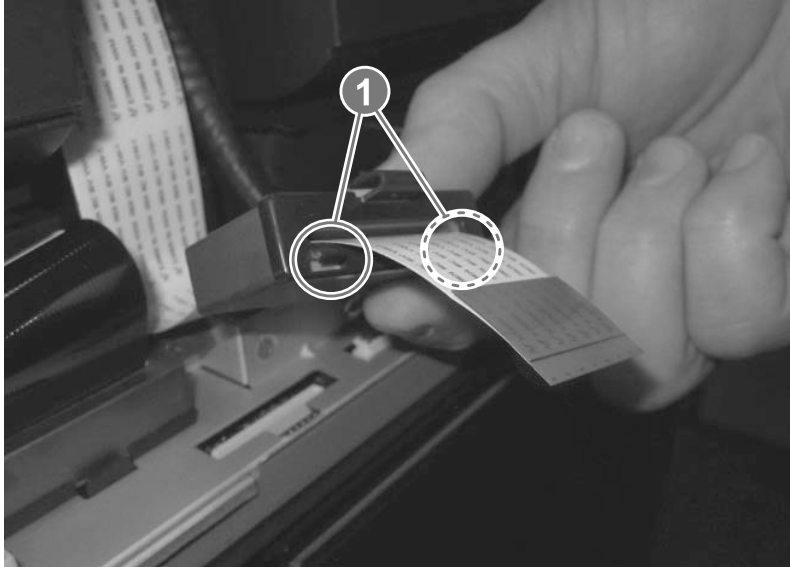
## Install a scanner control board

### Special considerations for reinstalling the ferrites and holders

1. Insert the document-feeder FFC through the opening in the left-most ferrite, and verify that the tabs (callout 1) on the ferrite holder are not damaged.

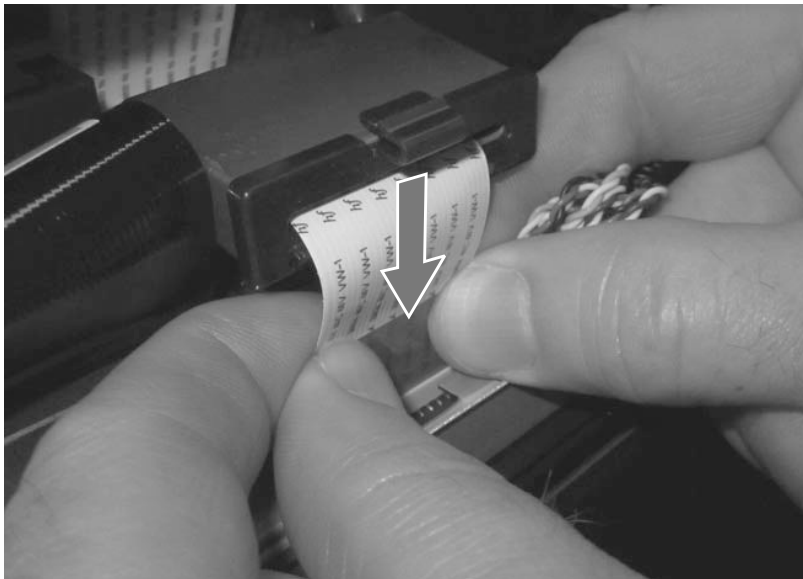


**Figure 1-156** Install the ferrite and holder (1 of 5)



2. Push the FFC straight down into the connector to install it.

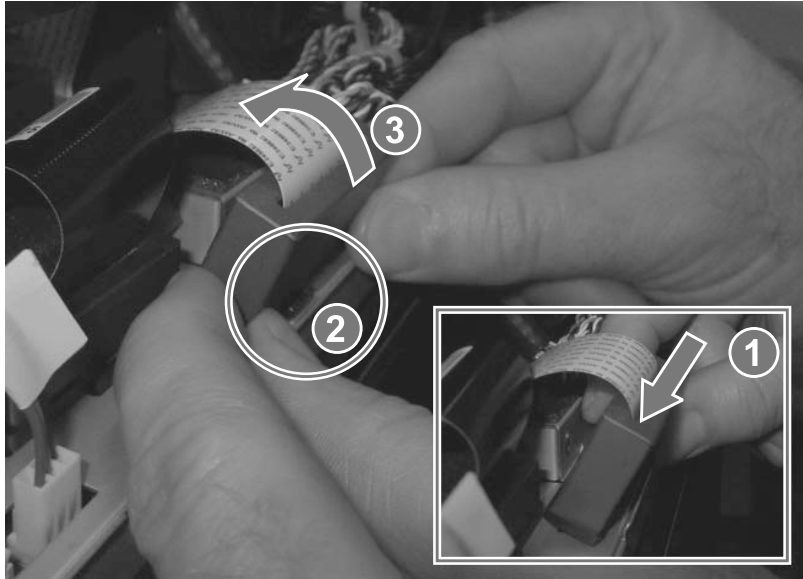
**Figure 1-157** Install the ferrite and holder (2 of 5)



3. Tilt the ferrite and holder forward, and then place it on the opening in the SCB sheet-metal housing (callout 1). Make sure that the locking tab on the holder is compressed against the SCB sheet-metal housing (callout 2).

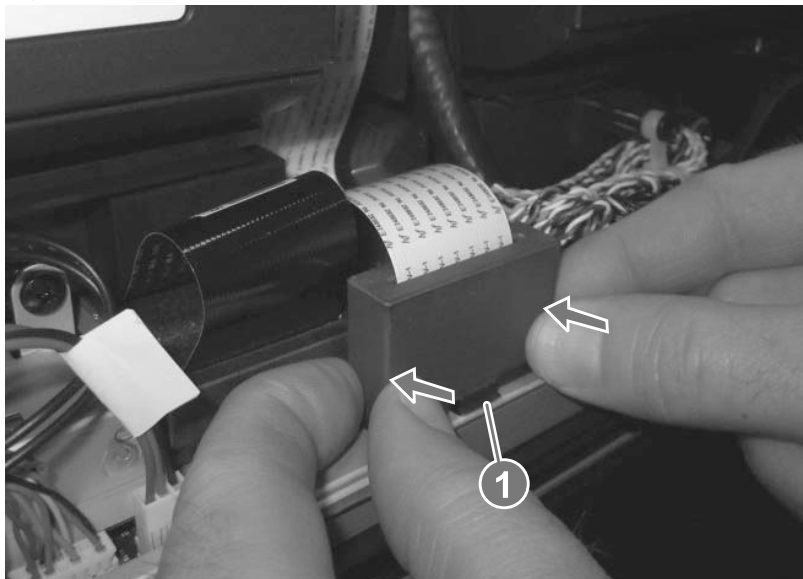
Rotate the ferrite and holder backward until it is positioned flat against the SCB sheet-metal housing (callout 3).

**Figure 1-158** Install the ferrite and holder (3 of 5)



4. Carefully slide the ferrite backward to release the locking tab (callout 1) on the ferrite holder, and to engage the tabs on the back of the ferrite holder with the SCB sheet-metal housing.

**Figure 1-159** Remove the document feeder (4 of 5)



5. Verify that the ferrite and holder are securely fastened to the SCB sheet-metal housing, and that the holder is fully seated.

Repeat this process for the right-most ferrite, holder, and the FFC.


**Figure 1-160** Install the ferrite and holder (5 of 5)




## Image scanner assembly


### Before proceeding, remove the following assemblies

- Document feeder. See [Document feeder \(ADF\) on page 80](#).
- Control panel assembly. See [Control-panel assembly \(M680\) on page 32](#).

 **NOTE:** If the scanner is being removed only to reach other assemblies, removing the control panel is not required. The photos in the following procedure show the control panel removed.

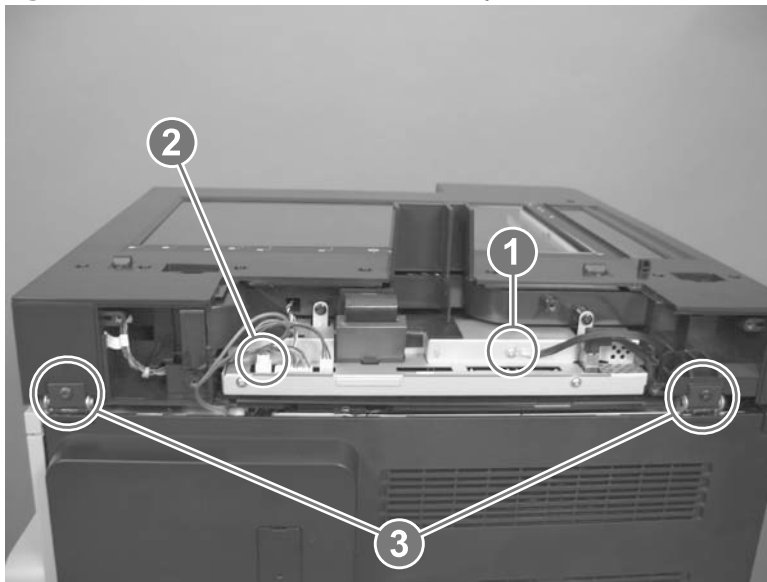
### Remove the scanner assembly

 **IMPORTANT:** When installing a replacement scanner assembly, see [Complete the image scanner replacement installation on page 111](#) after the product is reassembled.

 **NOTE:** If a replacement document feeder or scanner assembly is installed, you must install a replacement white backing on the document feeder. See [Document feeder white backing \(M680\) on page 54](#).

1. Disconnect one grounding wire (callout 1) and one connector (callout 2). Remove two screws and the hinge covers (callout 3).

**Figure 1-161** Remove the scanner assembly (1 of 5)



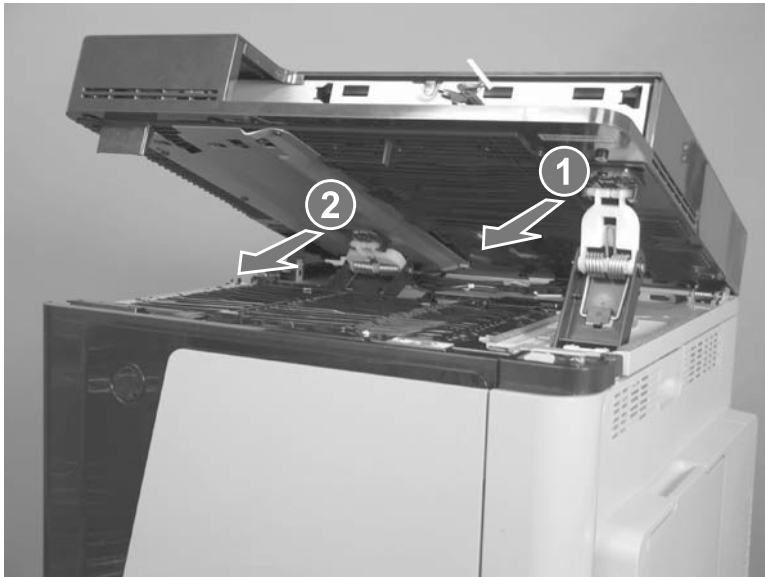
2. Hold down the top of the scanner firmly and release the scanner latch. Carefully open the scanner.

**Figure 1-162** Remove the scanner assembly (2 of 5)



3. Pull down the IPTU top cover. Pull the top of the front scanner hinge forward to release it (callout 1). Pull the top of the rear scanner hinge forward to release it (callout 2).

**Figure 1-163** Remove the scanner assembly (3 of 5)

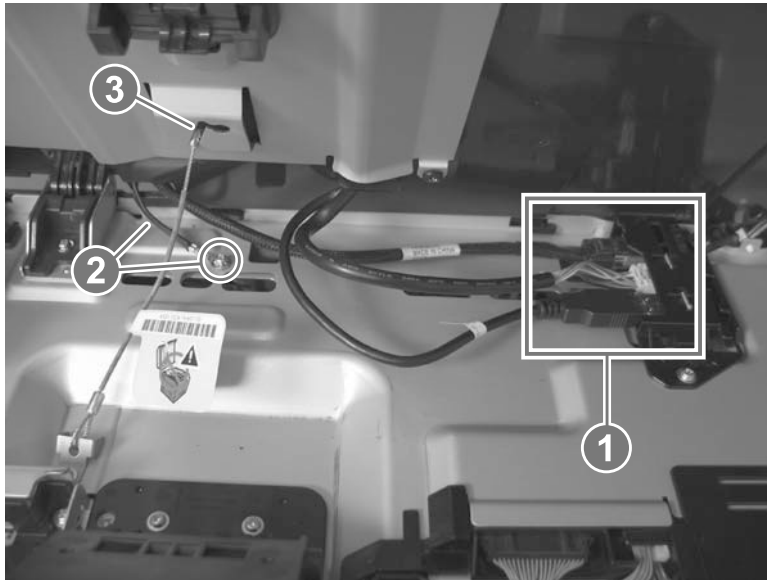


4. Disconnect three connectors (callout 1). Remove one screw, and remove the grounding wire (callout 2). Unthread the pink retaining wire from the slot (callout 3).

**⚠ CAUTION:** The scanner can fall backward after the retaining wire is removed.

Be careful not to drop the screw down into the product.

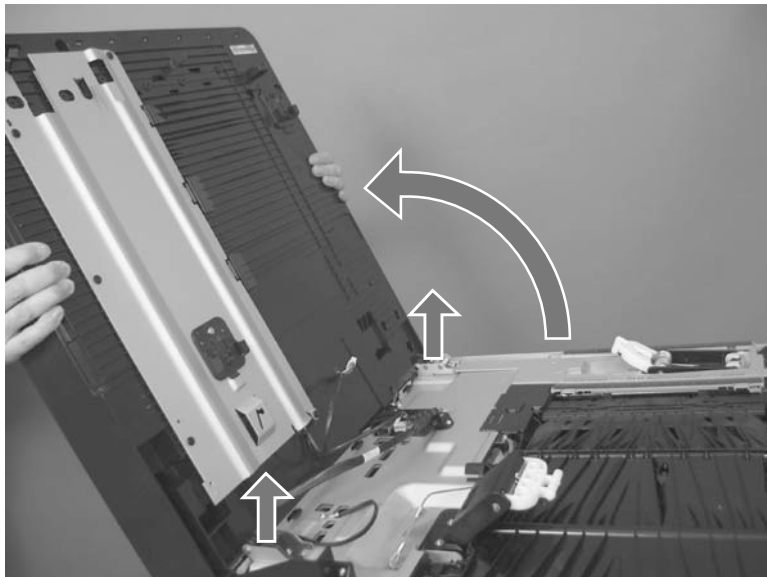
**Figure 1-164** Remove the scanner assembly (4 of 5)



5. Rotate the scanner back and lift it straight up to remove it.

**⚠ CAUTION:** The scanner weighs 6.4 kg (14 lb).


**Figure 1-165** Remove the scanner assembly (5 of 5)

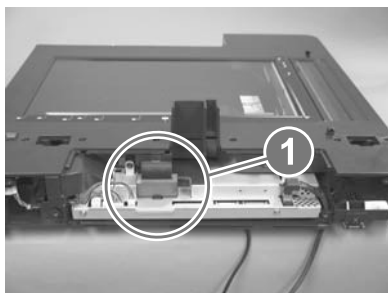


## Install a replacement scanner assembly

 **NOTE:** If a replacement document feeder or scanner assembly is installed, install a replacement white backing on the document feeder. See [Document feeder white backing \(M680\)](#) on page 54.

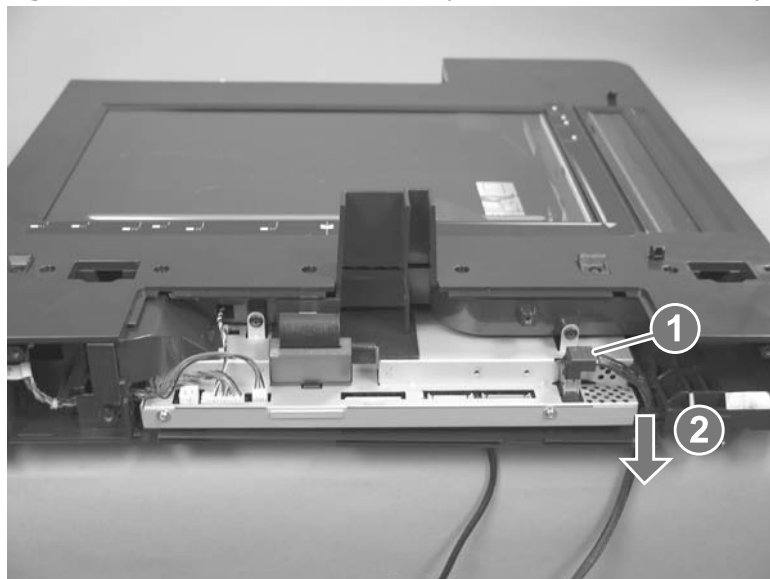
### Transfer the scanner control board (SCB) to the replacement scanner assembly

 **NOTE:** The steps below show how to remove the left-most document-feeder ferrite and holder—which is removed when the document feeder is removed—from the SCB. The steps for removing the remaining right-most ferrite and holder (callout 1) on the SCB are identical.



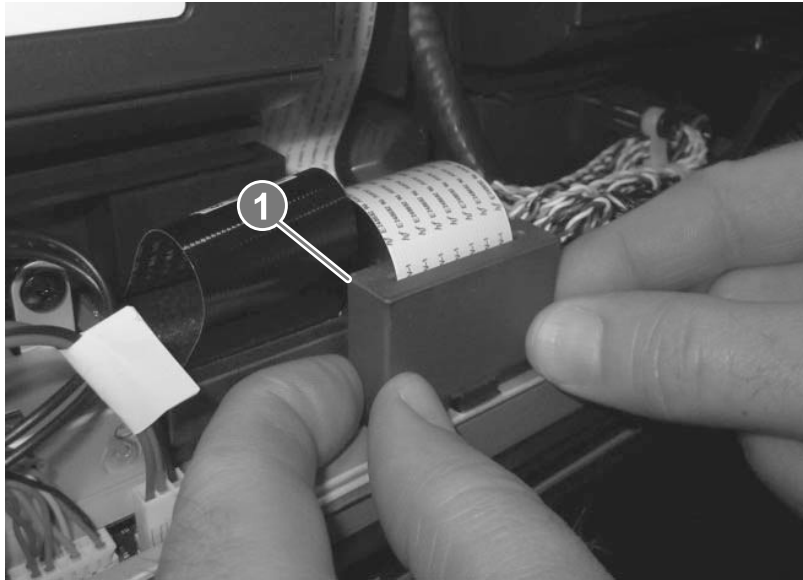
1. Disconnect one connector (callout 1), and push the cable through the opening (callout 2) to remove it.

**Figure 1-166** Transfer the SCB to the replacement scanner assembly (1 of 6)



2. Firmly grasp the ferrite (callout 1) as close to the SCB sheet-metal housing as possible.

**Figure 1-167** Transfer the SCB to the replacement scanner assembly (2 of 6)

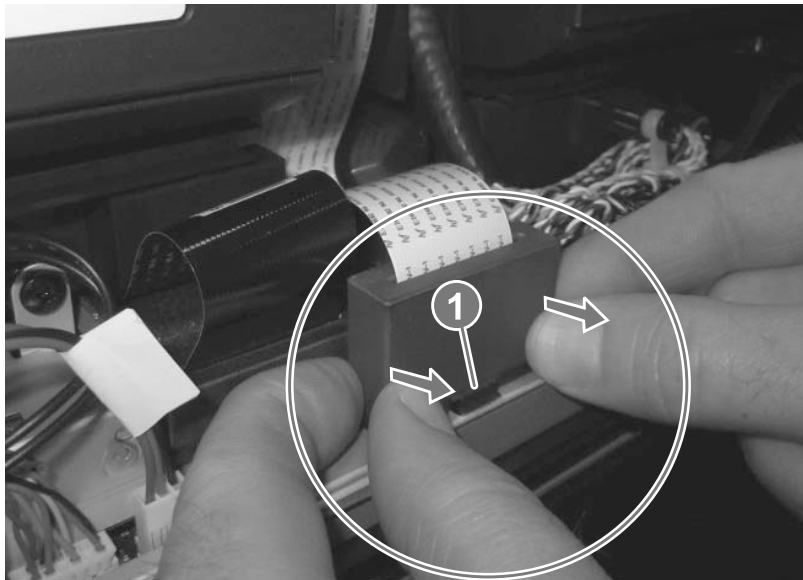


3. Carefully slide the ferrite forward to compress the locking tab (callout 1) on the ferrite holder, and to disengage the tabs at the back of the ferrite holder.




**NOTE:** To avoid damaging the locking clip or the tabs on the back side of the holder, keep the ferrite vertical as it slides forward.

**Figure 1-168** Transfer the SCB to the replacement scanner assembly (3 of 6)

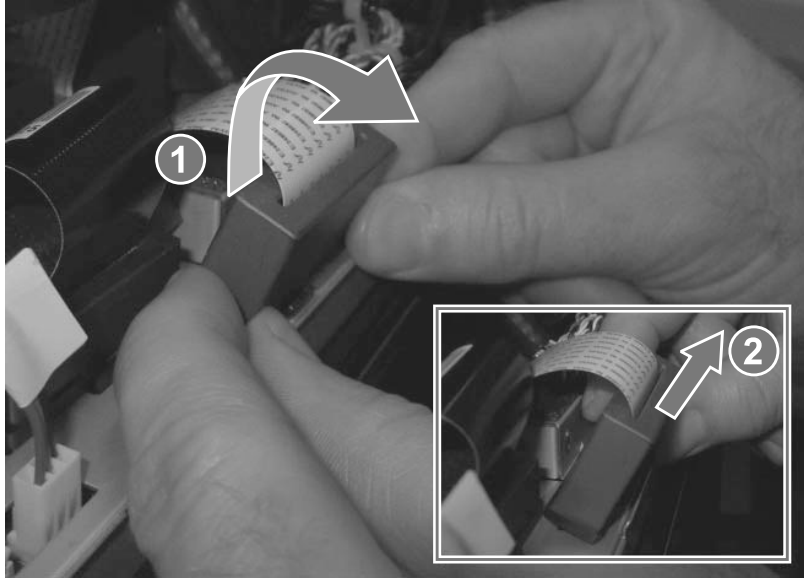




4. Carefully rotate the top of the ferrite holder forward (callout 1), and then remove the ferrite and holder (callout 2).

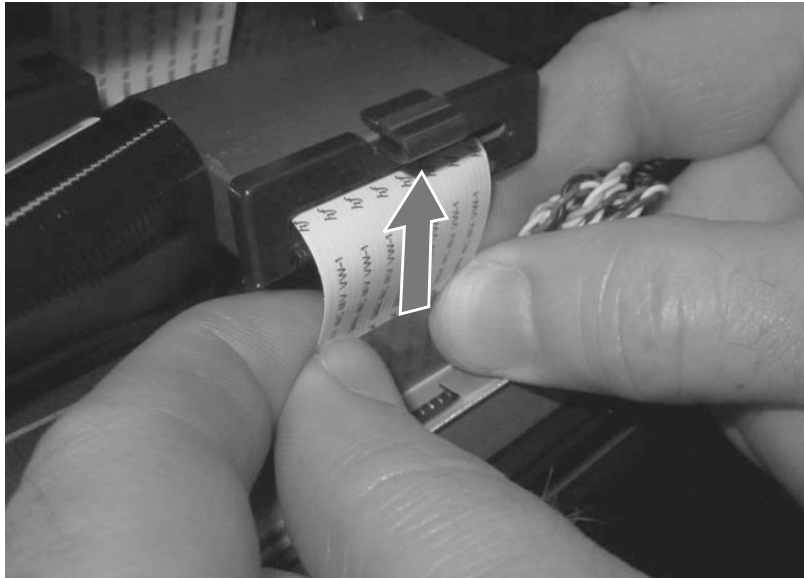
 **NOTE:** To reinstall the ferrite and holder, see [Special considerations for reinstalling the ferrite and holder on page 109](#).

**Figure 1-169** Transfer the SCB to the replacement scanner assembly (4 of 6)



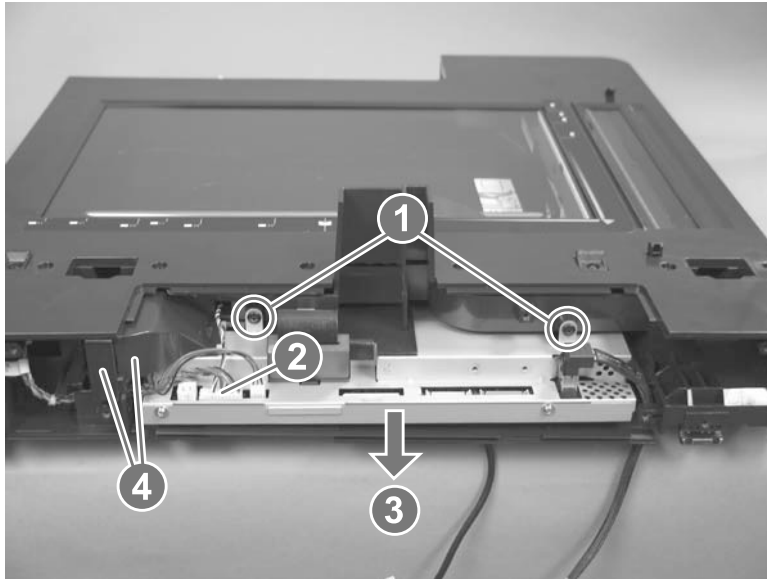
5. Pull straight up on the FCC to remove it.

**Figure 1-170** Transfer the SCB to the replacement scanner assembly (5 of 6)



6. Remove two screws (callout 1), disconnect one connector (callout 2), and then remove the scan control board (callout 3) and SCB fan assembly (callout 4).

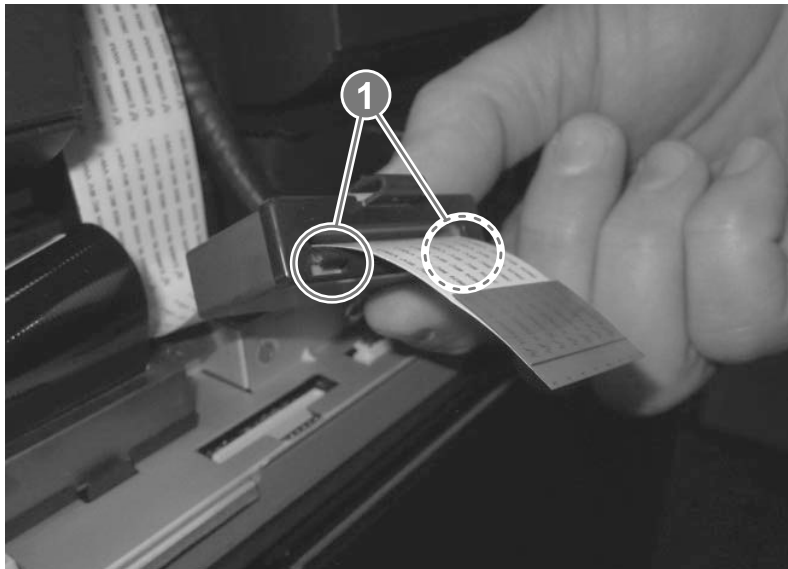
**Figure 1-171** Transfer the SCB to the replacement scanner assembly (6 of 6)



#### Special considerations for reinstalling the ferrite and holder

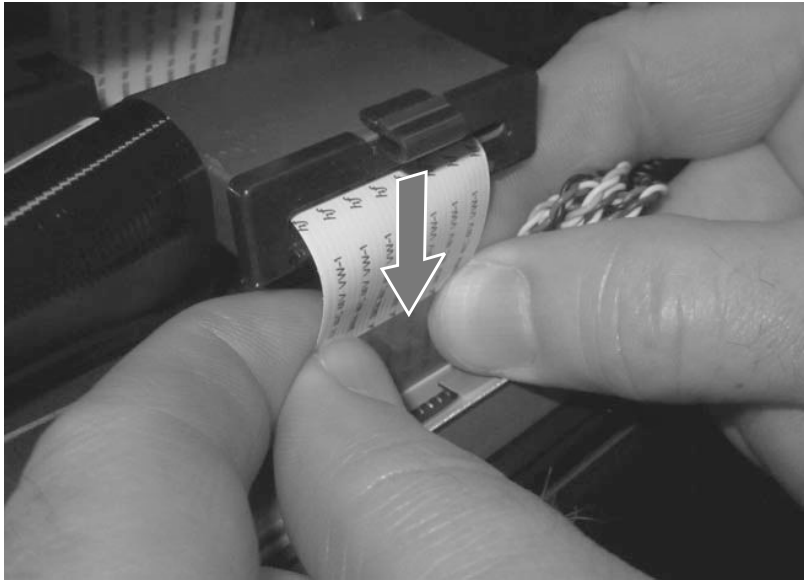
1. Insert the FFC through the opening in the ferrite, and verify that the tabs (callout 1) on the ferrite holder are not damaged.

**Figure 1-172** Install the ferrite and holder (1 of 5)



2. Push the FFC straight down into the connector to install it.

**Figure 1-173** Install the ferrite and holder (2 of 5)



3. Tilt the ferrite and holder forward, and then place it on the opening in the SCB sheet-metal housing (callout 1). Make sure that the locking tab on the holder is compressed against the SCB sheet-metal housing (callout 2).

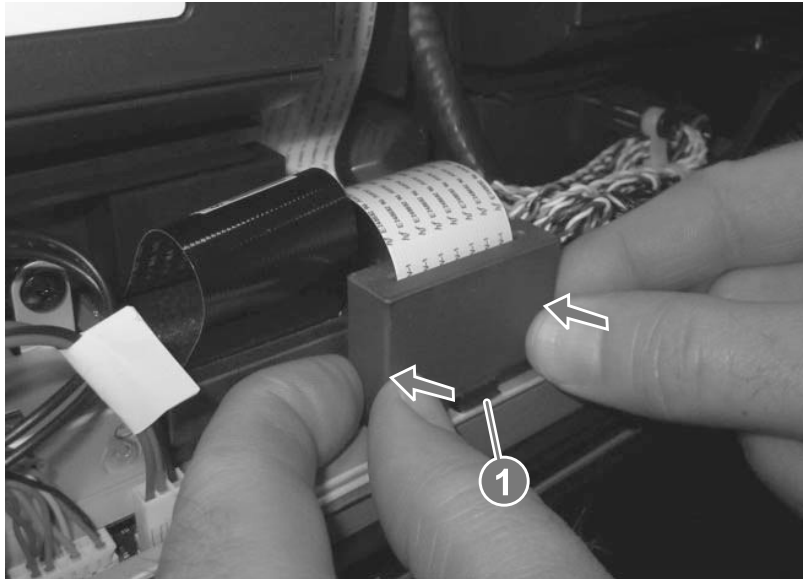
Rotate the ferrite and holder backward until it is positioned flat against the SCB sheet-metal housing (callout 3).

**Figure 1-174** Install the ferrite and holder (3 of 5)



4. Carefully slide the ferrite backward to release the locking tab (callout 1) on the ferrite holder, and to engage the tabs on the back of the ferrite holder with the SCB sheet-metal housing.

**Figure 1-175** Remove the document feeder (4 of 5)



5. Verify that the ferrite and holder are securely fastened to the SCB sheet-metal housing, and that the holder is fully seated.

**Figure 1-176** Install the ferrite and holder (5 of 5)



#### **Complete the image scanner replacement installation**

If a replacement scanner is installed, perform the following tasks after reassembling the product:

1. Use the **Service** menu to reset the **Flatbed Count** firmware counter.

- a. From the Home screen on the control panel, scroll to and touch the **Device Maintenance** button.
  - b. Open the **Service** menu.
  - c. On the sign-in screen, select the **Service Access Code** option from the drop-down list.
  - d. Enter the following service access code for this product: 04068014.
  - e. Reset the **Flatbed Count** to zero.
2. Use the **Calibration/Cleaning** menu to calibrate the scanner.
  - a. From the Home screen on the control panel, scroll to and touch the **Device Maintenance** button.
  - b. Open the following menus:
    - **Calibration/Cleaning**
    - **Calibrate Scanner**
  - c. Touch the **Next** button to start the calibration process. Follow the on-screen prompts.
  - d. Wait while the product calibrates the scanner.

## Scissor hinge assemblies

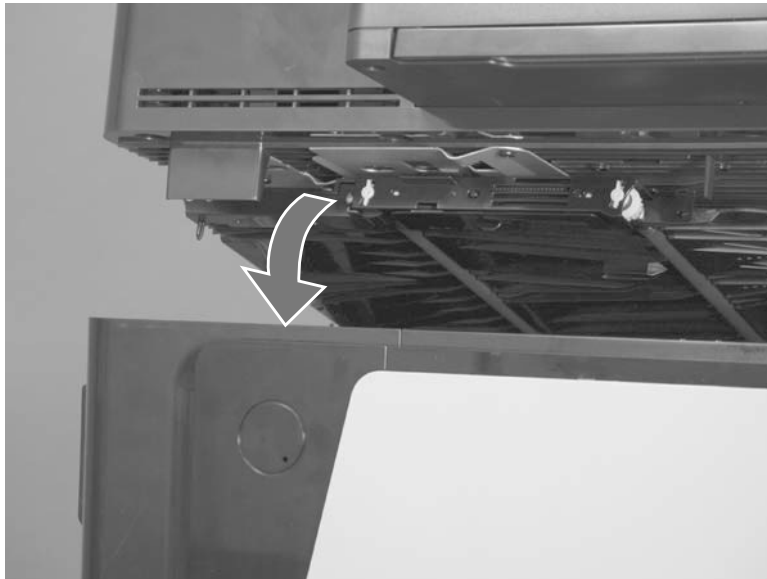
1. Release the scanner latch.

**Figure 1-177** Remove the scissor hinge assemblies (1 of 4)




2. Lower the IPTU top cover.

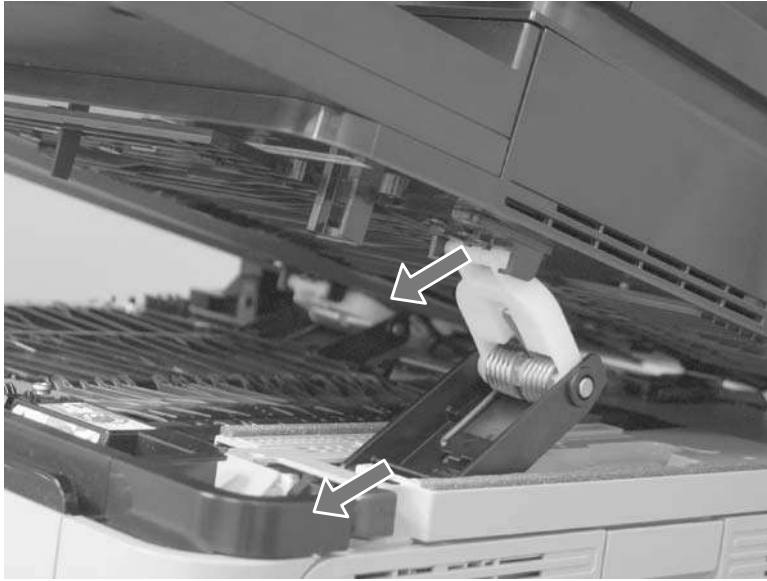
**Figure 1-178** Remove the scissor hinge assemblies (2 of 4)



3. Pull the top and bottom of the front scissor hinge forward to release the hinge and remove it.

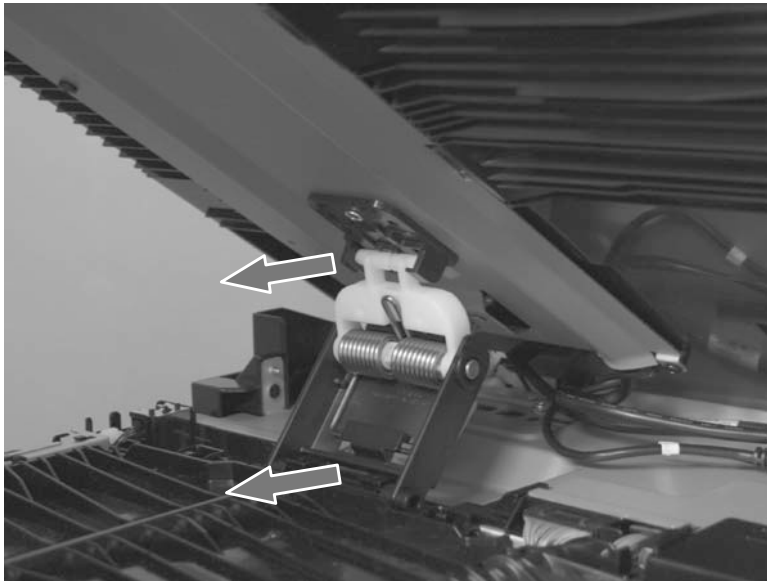
 **TIP:** Release the bottom of the hinge first, to make removal more easy.

**Figure 1-179** Remove the scissor hinge assemblies (3 of 4)



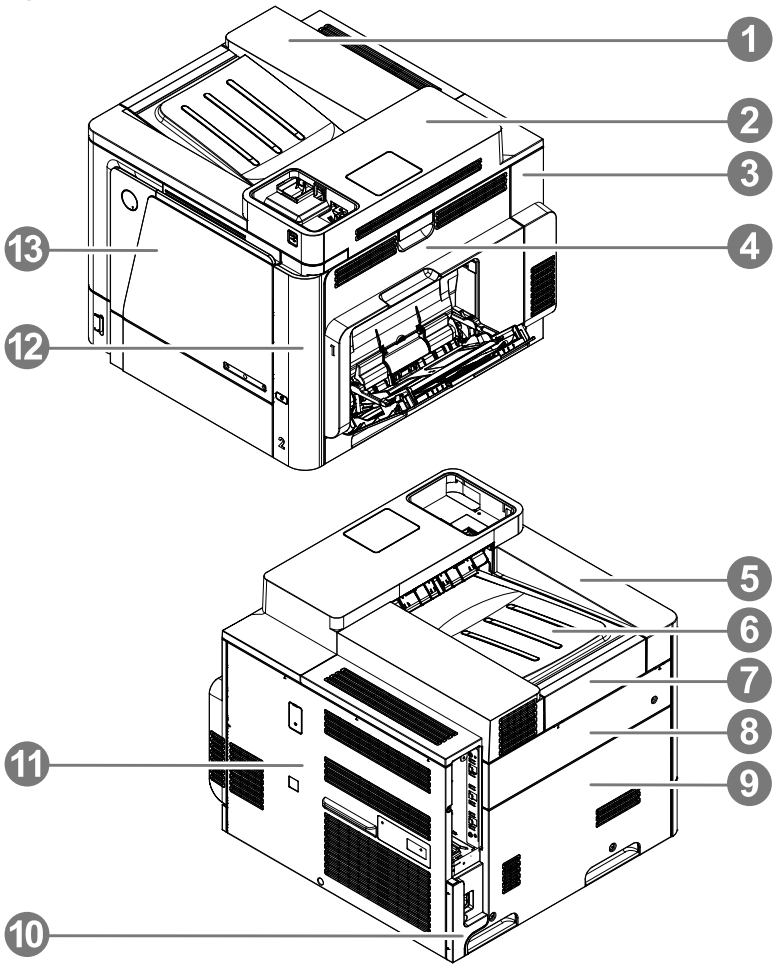
4. Pull the top and bottom of the rear scissor hinge forward to release the hinge and remove it.

**Figure 1-180** Remove the scissor hinge assemblies (4 of 4)



# External panels, covers, and doors

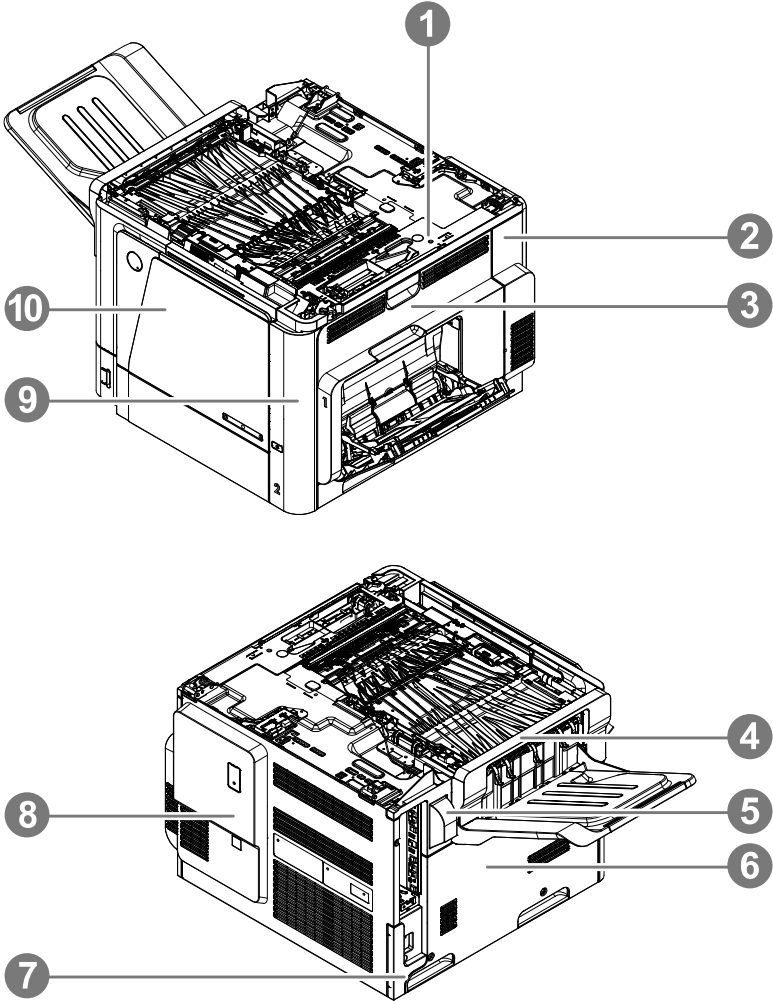
Figure 1-181 Cover and door locations (M651)



1	Face-down rear cover	8	Left upper cover
2	Upper cover	9	Left cover
3	Right rear cover	10	Left rear cover
4	Right door assembly	11	Rear cover assembly
5	Front face-down cover assembly	12	Right front cover
6	Face-down tray	13	Front door assembly
7	Left face-down cover		



**Figure 1-182** Cover and door locations (M680)



1	Intermediate cover (right-top cover)	6	Left cover
2	Right rear cover	7	Left rear cover
3	Right door assembly	8	Rear cover assembly
4	Tray cover (bezel)	9	Right front cover
5	Fan cover	10	Front door assembly

## Upper left cover (M651)

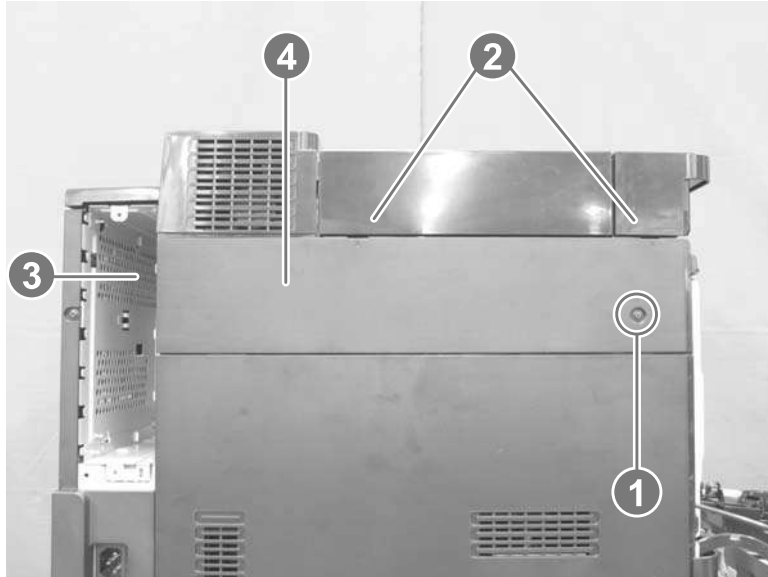
**Before proceeding, remove the following assemblies**

- Formatter PCA. See [Formatter PCA on page 9](#).

### Remove the upper left cover

- ▲ Open the front door. On the left side of the product remove one screw (callout 1), release two tabs (callout 2), release one tab (callout 3), and then remove the upper left cover (callout 4).

**Figure 1-183** Remove the upper left cover



## Fan cover (M680)

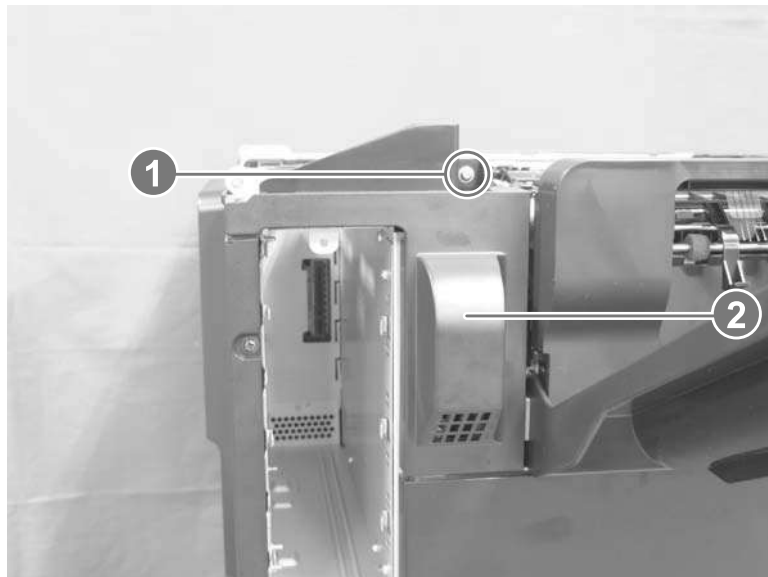
### Before proceeding, remove the following assemblies

- Standard output bin. See [Standard output bin \(M680\) on page 52](#).
- Output bin bezel. See [Output bin bezel \(M680\) on page 53](#).
- Formatter PCA. See [Formatter PCA on page 9](#).
- Document feeder assembly. See [Document feeder \(ADF\) on page 80](#).
- Scanner assembly. See [Image scanner assembly on page 103](#).

### Remove the fan cover

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

**Figure 1-184** Remove the fan cover



## Left rear cover

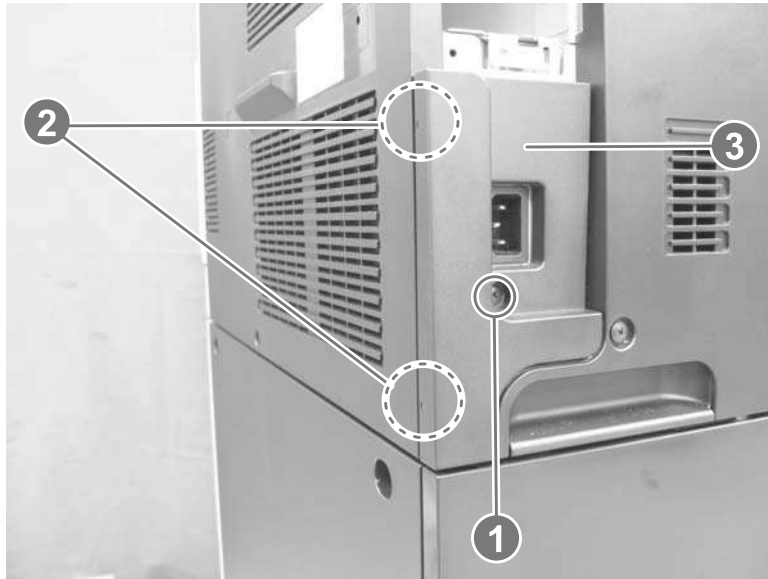
### Before proceeding, remove the following assemblies

- Formatter PCA. See [Formatter PCA on page 9](#).

### Remove the left rear cover

- ▲ Remove one screw (callout 1), release two tabs (callout 2), and then remove the left-rear cover (callout 3).

**Figure 1-185** Remove the left rear cover



## Left cover

### Before proceeding, remove the following assemblies

#### M651 models

- Formatter PCA. See [Formatter PCA on page 9](#).
- Upper left cover. See [Upper left cover \(M651\) on page 117](#).
- Left rear cover. See [Left rear cover on page 119](#).

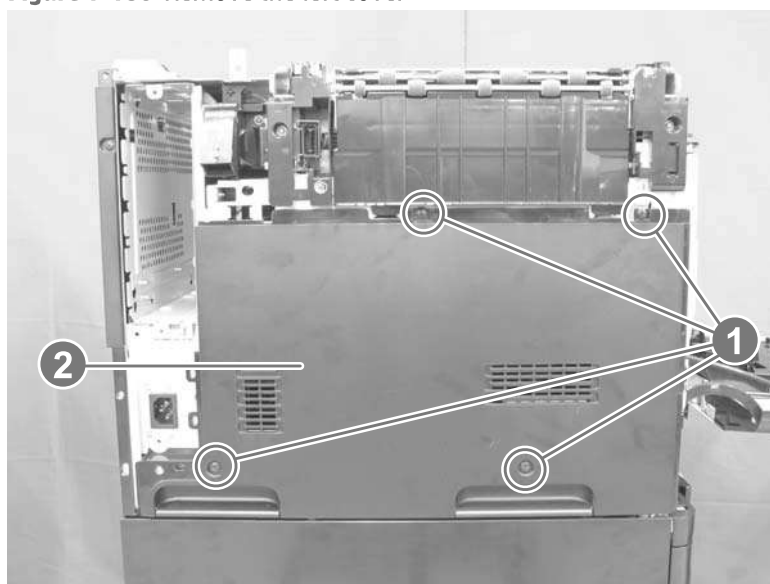
#### M680 models

- Formatter PCA. See [Formatter PCA on page 9](#).
- Standard output bin. See [Standard output bin \(M680\) on page 52](#).
- Output bin bezel. See [Output bin bezel \(M680\) on page 53](#).
- Document feeder assembly. See [Document feeder \(ADF\) on page 80](#).
- Scanner assembly. See [Image scanner assembly on page 103](#).
- Fan cover. See [Fan cover \(M680\) on page 118](#).
- Left rear cover. See [Left rear cover on page 119](#).

### Remove the left cover

- ▲ Remove four screws (callout 1), and then remove the left cover (callout 2).

**Figure 1-186** Remove the left cover



## Rear cover (M651)

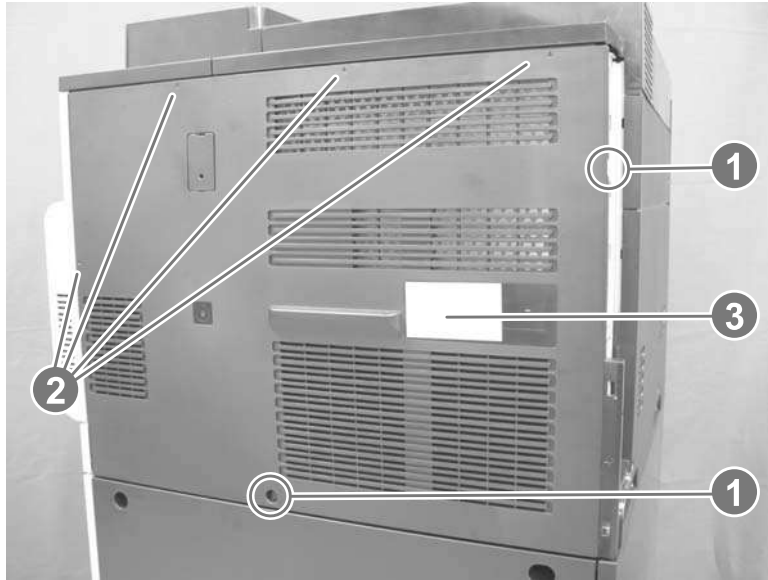
### Before proceeding, remove the following assemblies

- Formatter PCA. See [Formatter PCA on page 9](#).
- Left rear cover. See [Left rear cover on page 119](#).

### Remove the rear cover (M651)

- ▲ Remove two screws (callout 1), release four tabs (callout 2), and then remove the rear cover (callout 3).

**Figure 1-187** Remove the rear cover (M651)



## Rear cover (M680)

### Before proceeding, remove the following assemblies

- Formatter PCA. See [Formatter PCA on page 9](#).
- Standard output bin. See [Standard output bin \(M680\) on page 52](#).
- Output bin bezel. See [Output bin bezel \(M680\) on page 53](#).
- Document feeder assembly. See [Document feeder \(ADF\) on page 80](#).
- Scanner assembly. See [Image scanner assembly on page 103](#).
- Fan cover. See [Fan cover \(M680\) on page 118](#).
- Left rear cover. See [Left rear cover on page 119](#).

### Remove the rear cover (M680)

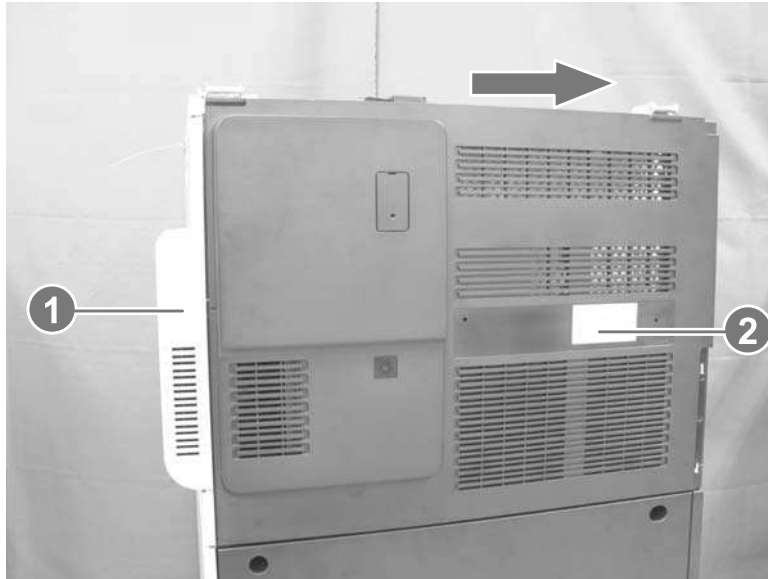
1. Remove one screw (callout 1).

**Figure 1-188** Remove the rear cover (M680; 1 of 2)



2. Release one tab (callout 1), and then slide the rear cover (callout 2) in the direction of the arrow to remove it.

**Figure 1-189** Remove the rear cover (M680; 2 of 2)





## Right-front cover

### Before proceeding, remove the following assemblies

#### M651 models

- None

#### M680 models

- Document feeder assembly. See [Document feeder \(ADF\) on page 80](#).
- Scanner assembly. See [Image scanner assembly on page 103](#).

### Remove the right-front cover

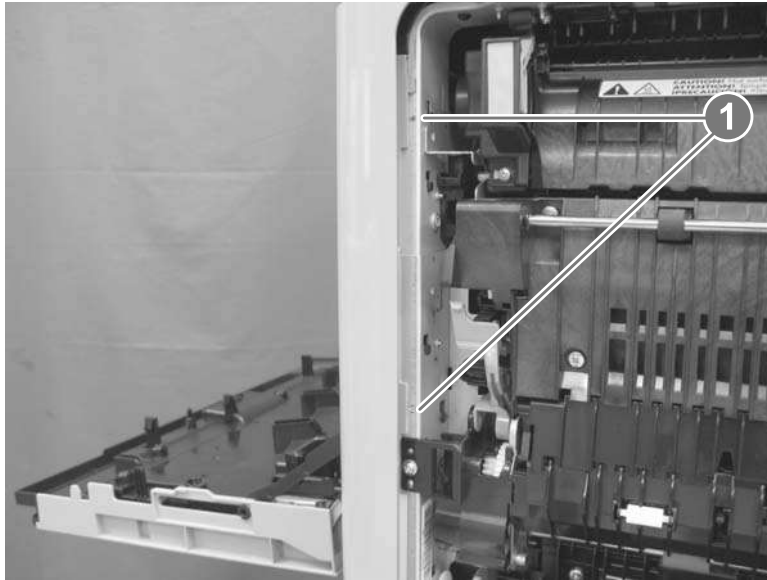
1. Open or remove Tray 2. Open the front door assembly, and remove one screw (callout 1).

**Figure 1-190** Remove the right-front cover (1 of 3)



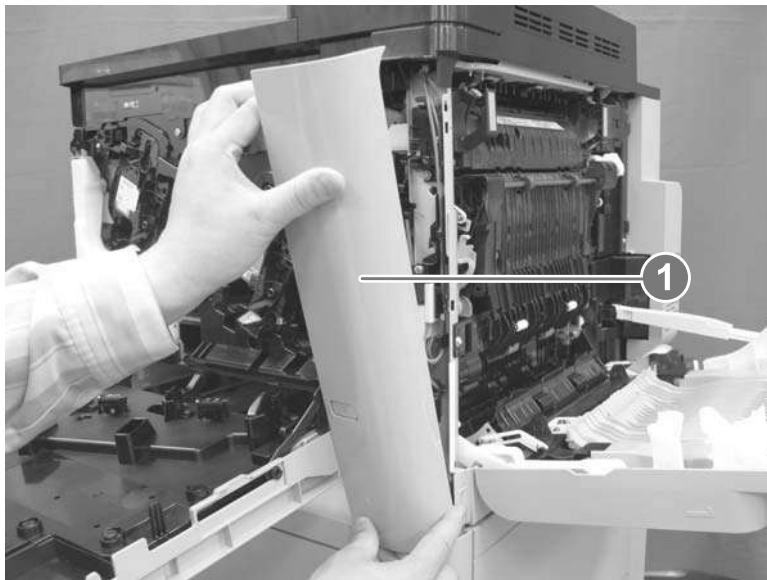
2. Open the right door assembly, and release two tabs (callout 1).

**Figure 1-191** Remove the right-front cover (2 of 3)



3. Remove the right-front cover assembly (callout 1).

**Figure 1-192** Remove the right-front cover (3 of 3)



## Front door assembly

### Before proceeding, remove the following assemblies

#### M651 models

- Toner-collection unit. See [Toner-collection unit on page 6](#).
- Formatter PCA. See [Formatter PCA on page 9](#).
- Upper left cover. See [Upper left cover \(M651\) on page 117](#).
- Left rear cover. See [Left rear cover on page 119](#).
- Left cover. See [Left cover on page 120](#).
- Right-front cover. See [Right-front cover on page 124](#).

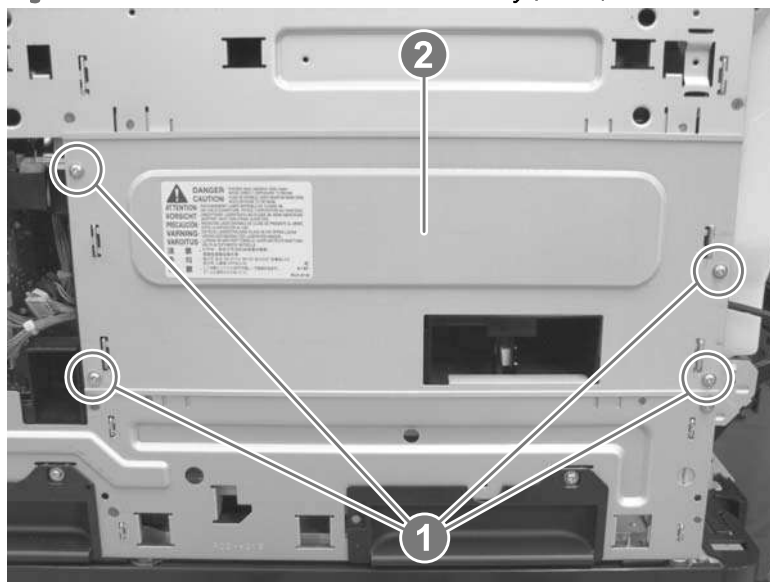
#### M680 models

- Toner-collection unit. See [Toner-collection unit on page 6](#).
- Formatter PCA. See [Formatter PCA on page 9](#).
- Standard output bin. See [Standard output bin \(M680\) on page 52](#).
- Output bin bezel. See [Output bin bezel \(M680\) on page 53](#).
- Document feeder assembly. See [Document feeder \(ADF\) on page 80](#).
- Scanner assembly. See [Image scanner assembly on page 103](#).
- Fan cover. See [Fan cover \(M680\) on page 118](#).
- Left rear cover. See [Left rear cover on page 119](#).
- Left cover. See [Left cover on page 120](#).
- Right-front cover. See [Right-front cover on page 124](#).

### Remove the front door assembly

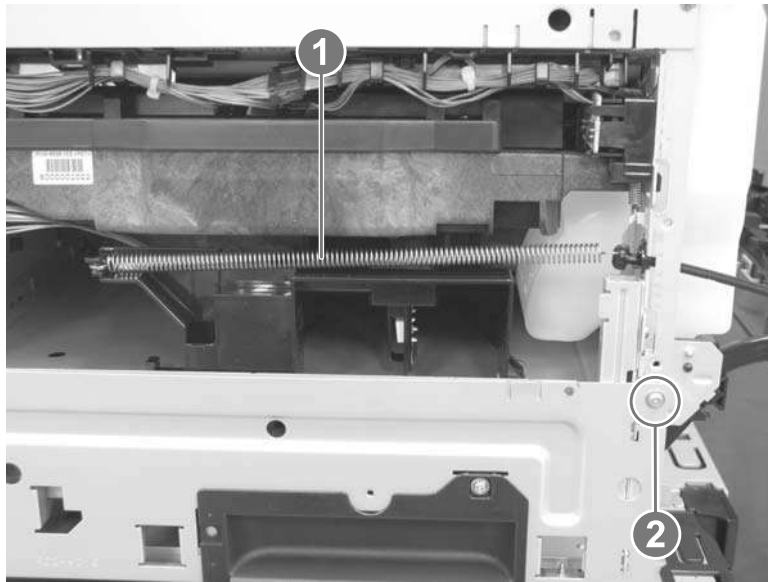
1. On the left side of the product, remove four screws (callout 1), and then remove the metal plate (callout 2).

**Figure 1-193** Remove the front door assembly (1 of 7)



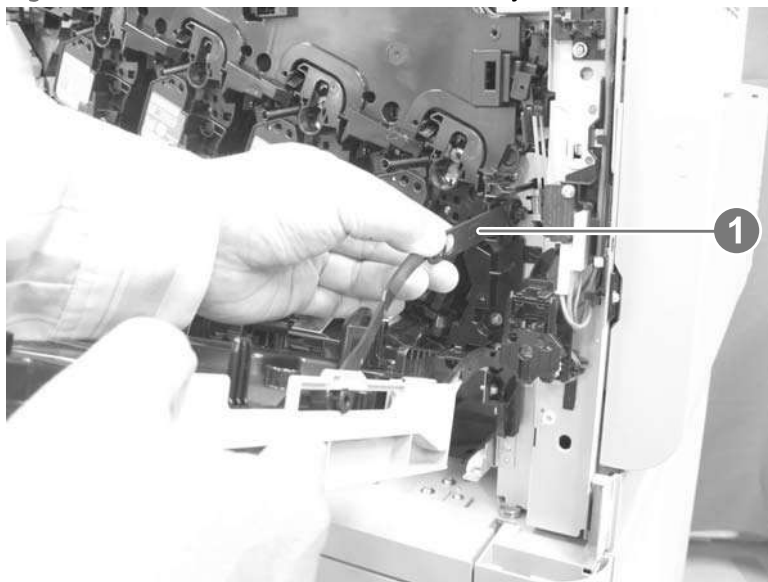
2. Unhook one spring (callout 1), and remove one screw (callout 2).

**Figure 1-194** Remove the front door assembly (2 of 7)



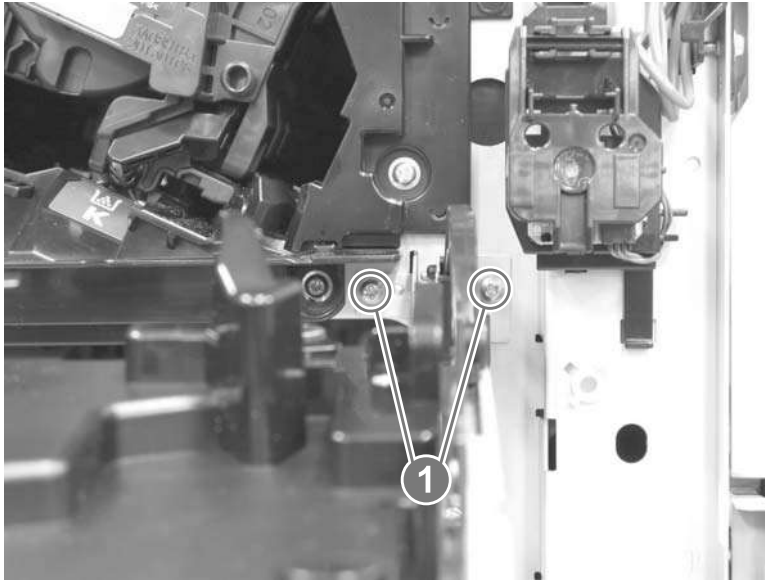
3. Inside the front door, remove one link (callout 1).

**Figure 1-195** Remove the front door assembly (3 of 7)



4. Remove two screws (callout 1).

**Figure 1-196** Remove the front door assembly (4 of 7)



5. Below the toner-collection unit, remove one screw (callout 1).

**Figure 1-197** Remove the front door assembly (5 of 7)

