


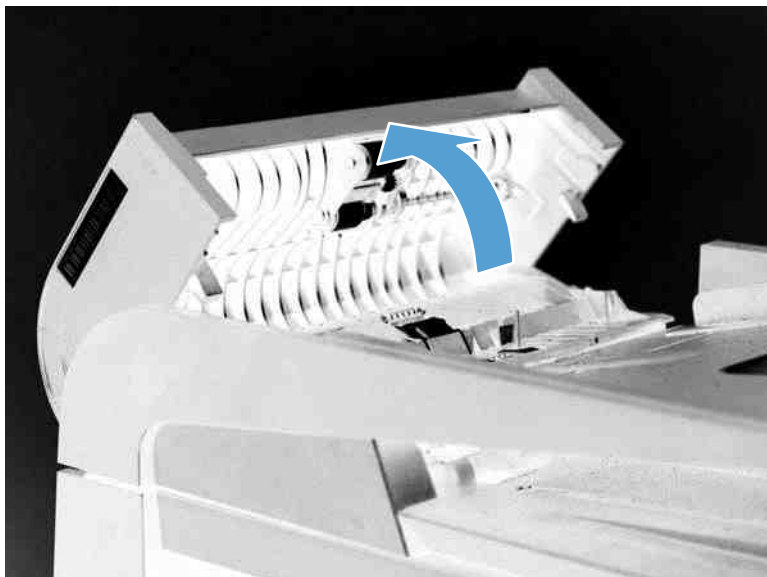
Document feeder components

 **NOTE:** This section describes replacement and removal of individual document feeder components. To remove the complete document feeder and scanner assembly, see [Document feeder and scanner assembly on page 23](#).

Document feeder separation pad

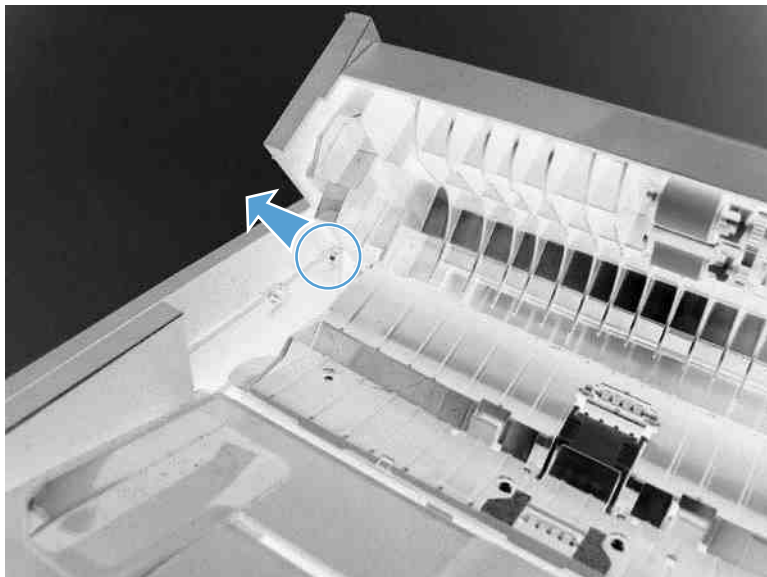
1. Open the document feeder cover.

Figure 1-87 Remove the document feeder separation pad assembly (1 of 7)



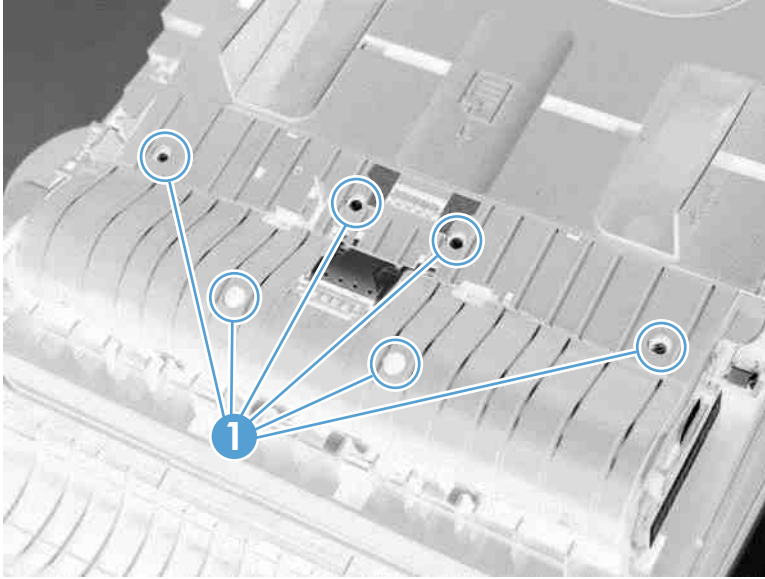
2. Release one tab, and then fully open the document feeder cover.

Figure 1-88 Remove the document feeder separation pad assembly (2 of 7)



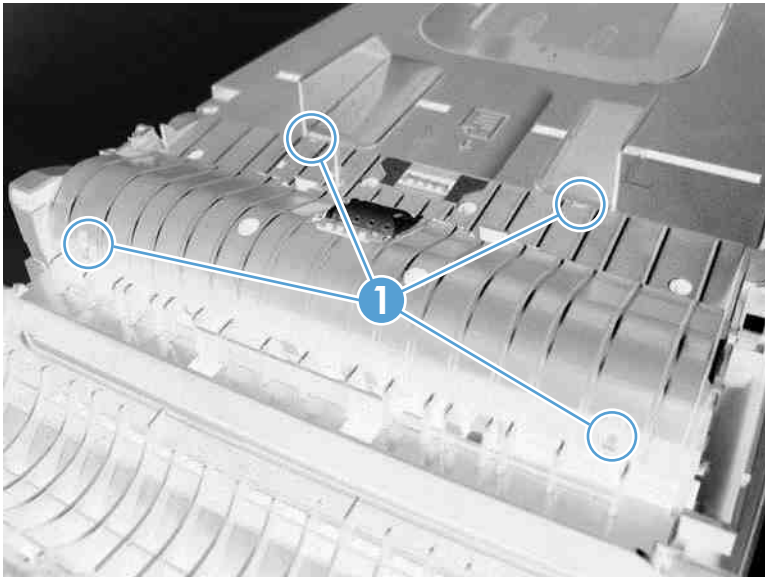
3. Remove six screws (callout 1) using a Torx T10 screwdriver.

Figure 1-89 Remove the document feeder separation pad assembly (3 of 7)



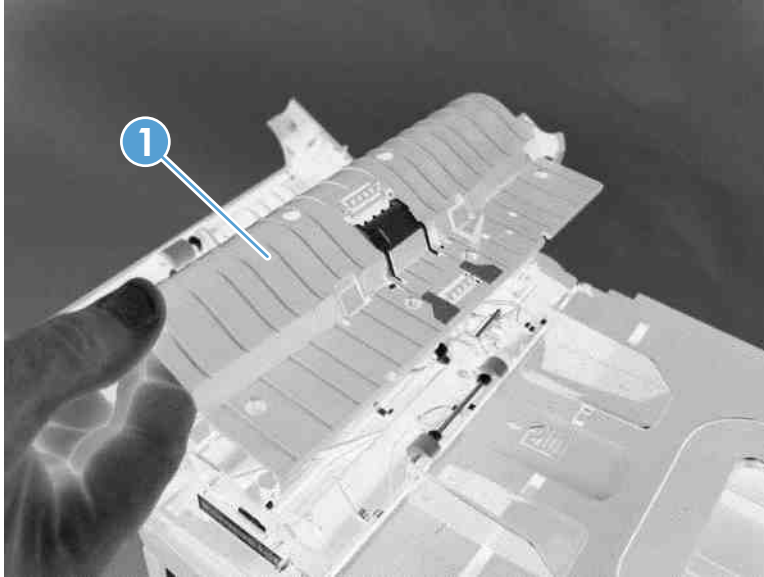
4. Release four tabs (callout 1) on the document feeder core cover.

Figure 1-90 Remove the document feeder separation pad assembly (4 of 7)



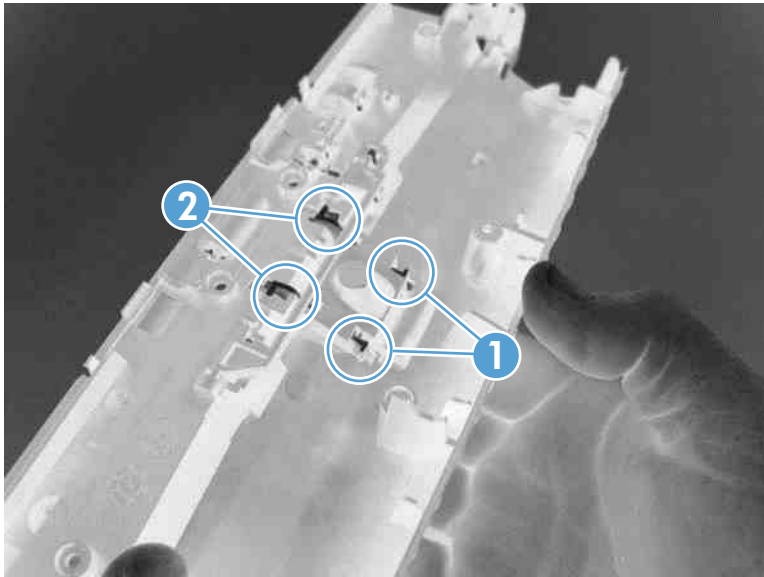
5. Remove the document feeder core cover (callout 1) from the base.

Figure 1-91 Remove the document feeder separation pad assembly (5 of 7)



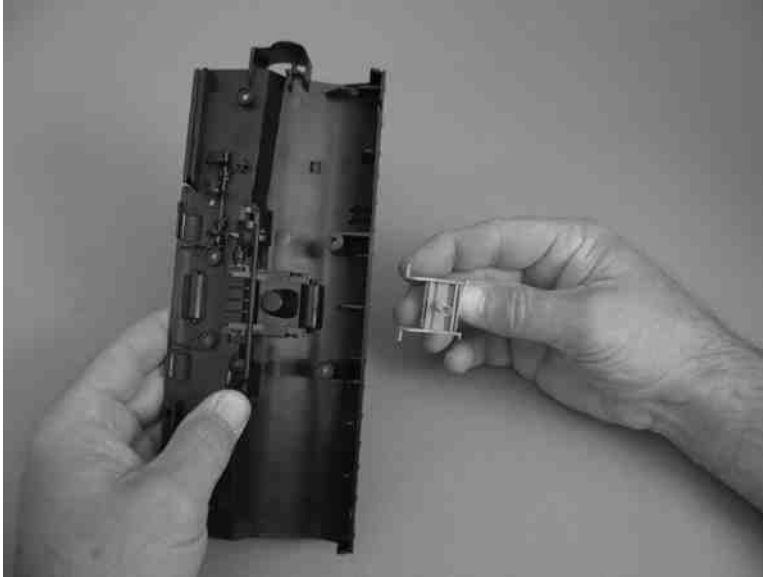
6. Push up on the separation pad assembly to release two pins (callout 1), and then slightly slide assembly in the core cover to release the remaining two pins (callout 2).

Figure 1-92 Remove the document feeder separation pad assembly (6 of 7)



7. Remove the separation pad assembly from the core cover.

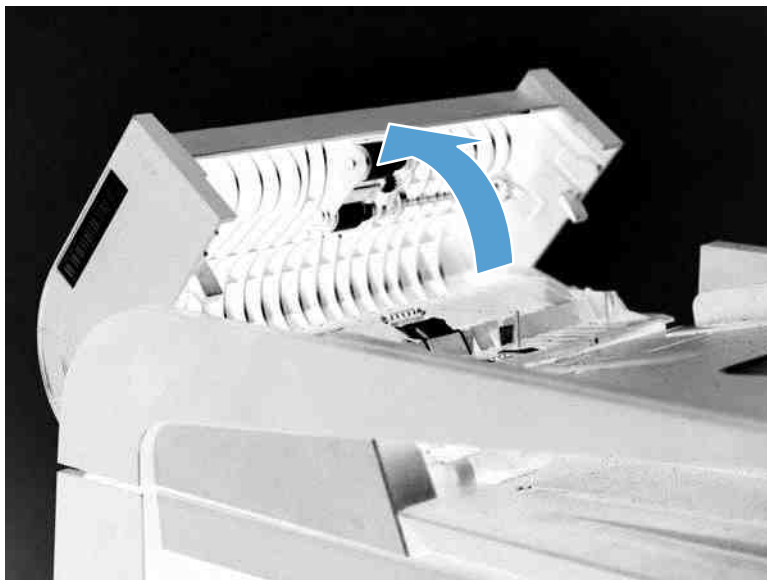
Figure 1-93 Remove the document feeder separation pad assembly (7 of 7)



Document feeder cover

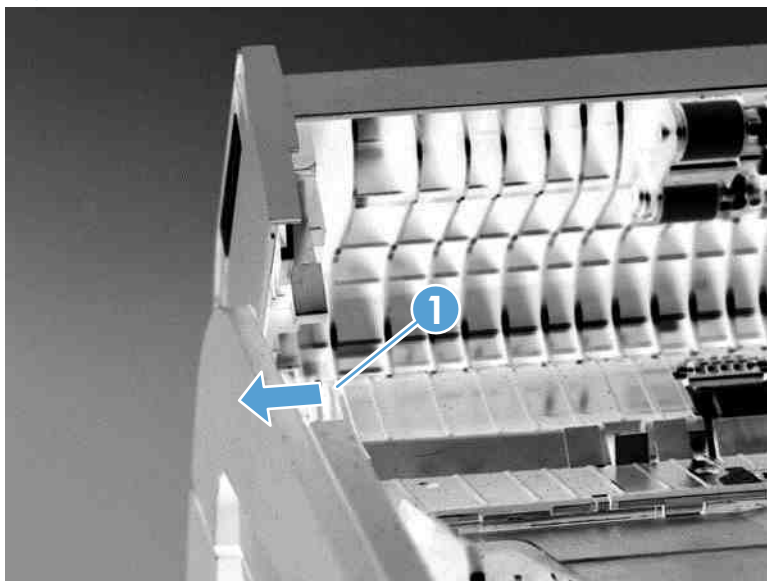
1. Open the document feeder cover.

Figure 1-94 Remove the document feeder cover (1 of 3)



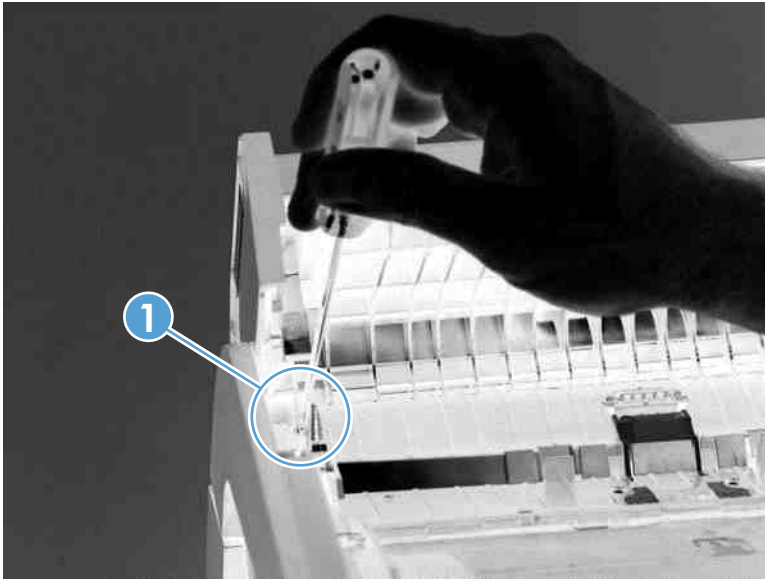
2. Release one tab (callout 1), and then fully open the document feeder cover.

Figure 1-95 Remove the document feeder cover (2 of 3)



3. Release the hinges (callout 1), and then remove the document feeder cover.

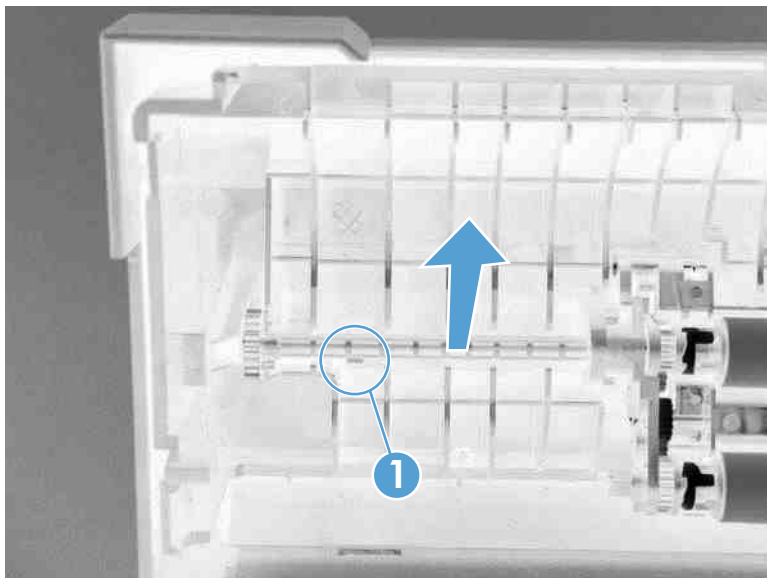
Figure 1-96 Remove the document feeder cover (3 of 3)



Document feeder pick arm assembly

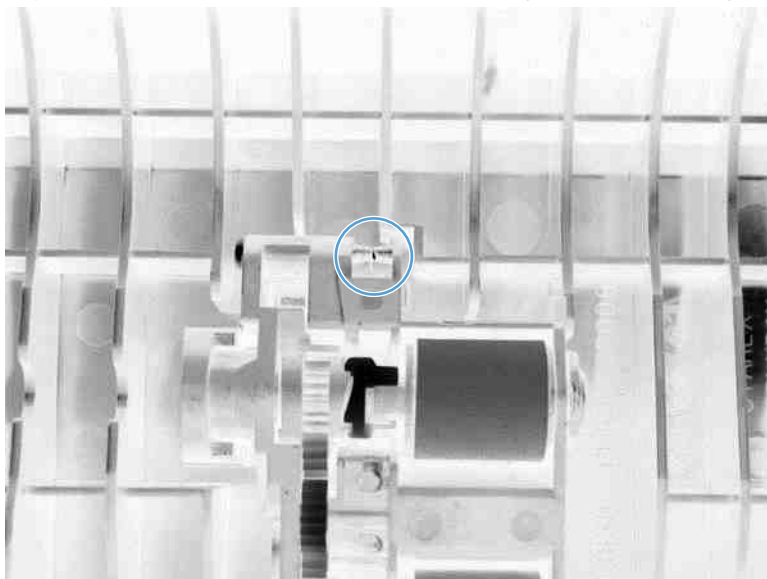
1. Remove the following components:
 - Document feeder cover. See [Document feeder cover on page 71](#).
2. Release one tab (callout 1), and remove the pick extension shaft.

Figure 1-97 Remove the document feeder pick arm assembly (1 of 3)



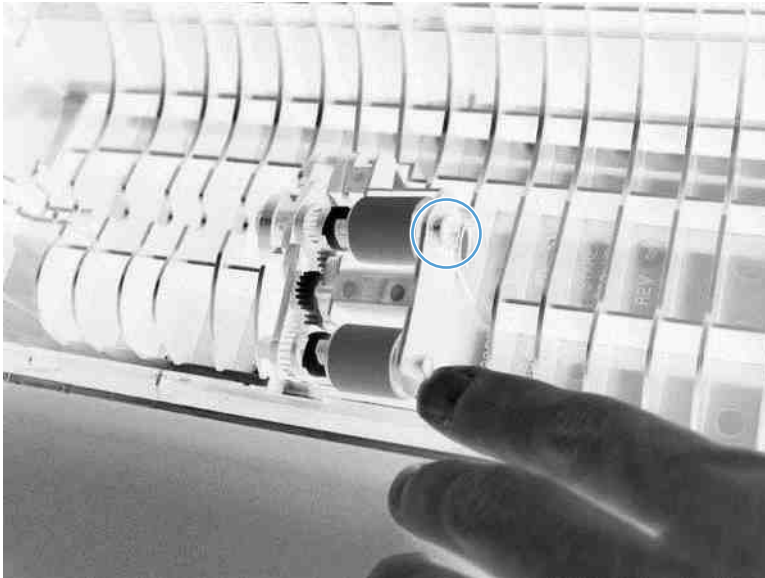
3. Use a small, flat-blade screwdriver to release the spring.

Figure 1-98 Remove the document feeder pick arm assembly (2 of 3)



4. Release the pick arm assembly at the mounting point, and then rotate the pick arm assembly to remove.

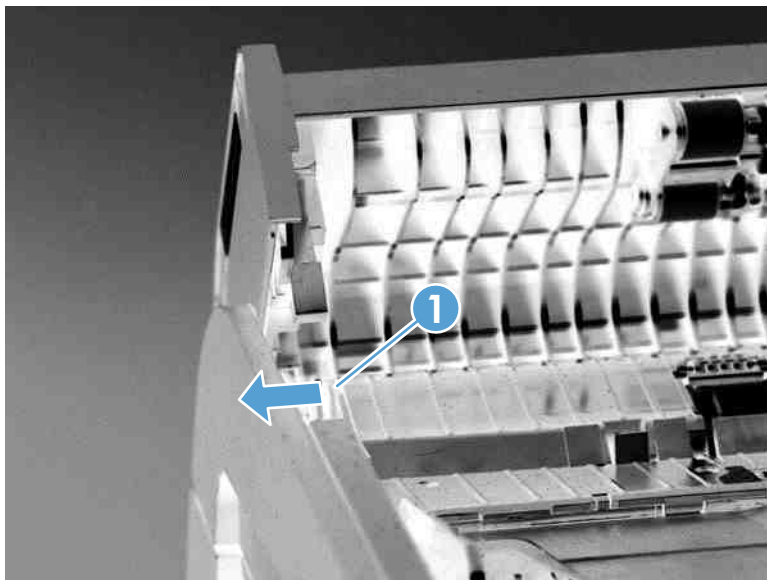
Figure 1-99 Remove the document feeder pick arm assembly (3 of 3)




Document feeder core assembly

1. Release one tab (callout 1), and then fully open the document feeder cover.

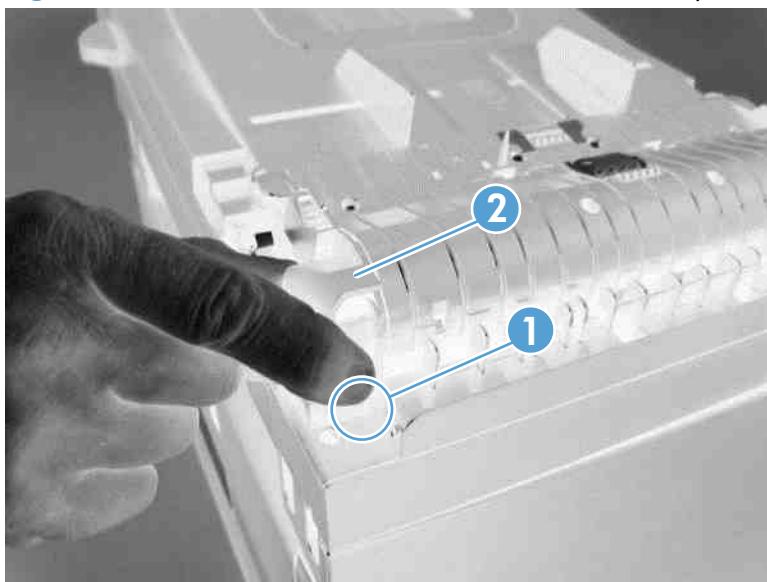
Figure 1-100 Remove the document feeder core assembly (1 of 4)



 **NOTE:** The remaining steps in this procedure are shown with the document feeder cover removed for clarity. It is *not* necessary to remove the document feeder cover to remove the document feeder core.

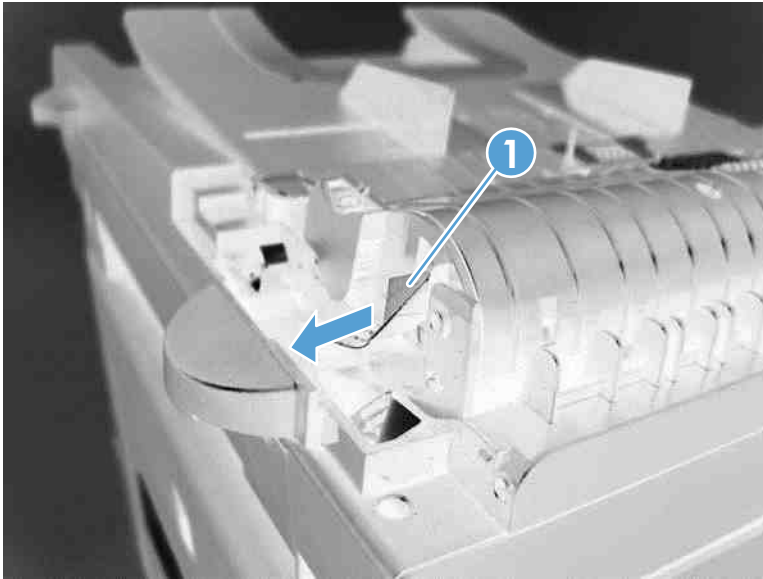
2. Release one tab (callout 1), and then remove the document feeder cable cover (callout 2).


Figure 1-101 Remove the document feeder core assembly (2 of 4)



3. Remove one FFC using the blue tab (callout 1).

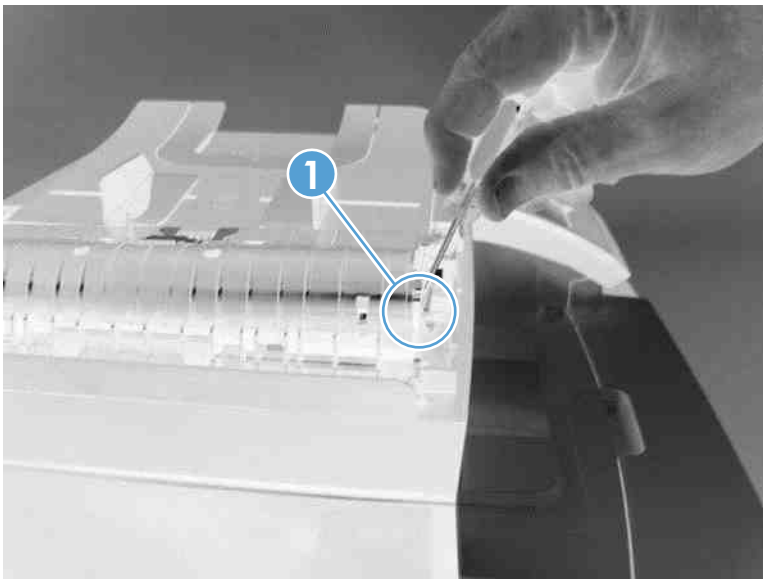
Figure 1-102 Remove the document feeder core assembly (3 of 4)



 **TIP:** The orientation of the FFC is important. When reinstalling it, make sure the blue tab is toward the product's right side. If the FFC is installed upside down, the document-feeder will not work.

4. Release one hinge (callout 1) using your finger or a small, flat-blade screwdriver, and then remove the document feeder core assembly.

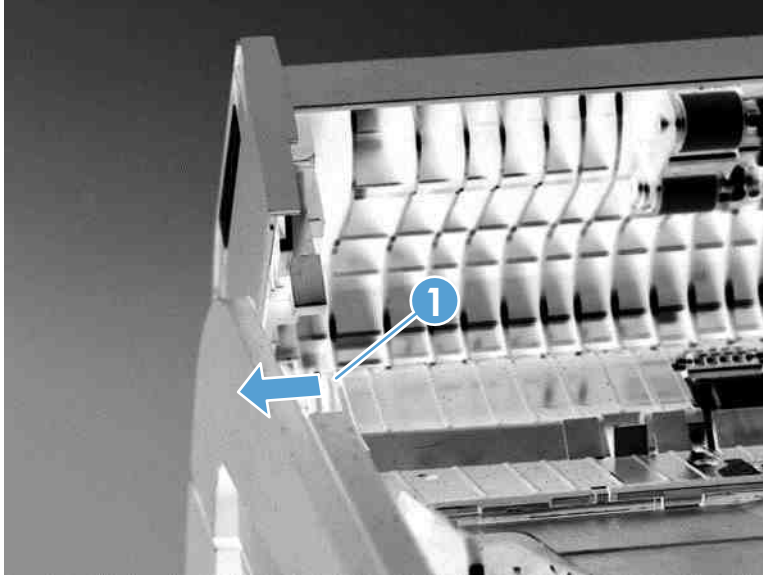
Figure 1-103 Remove the document feeder core assembly (4 of 4)




Post scan pinch rollers

1. Remove the following components:
 - Document feeder core. See [Document feeder core assembly on page 75](#).
2. Release one tab (callout 1), and then fully open the document feeder cover.

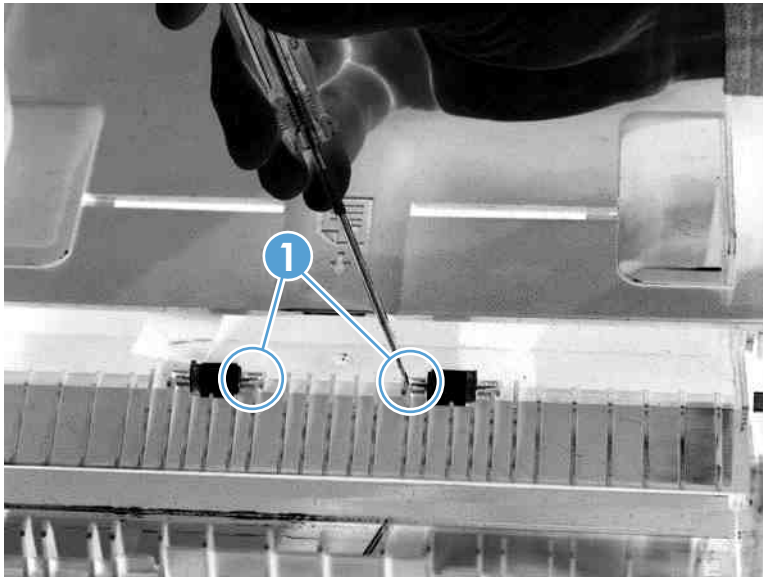
Figure 1-104 Remove the post scan pinch rollers (1 of 2)



 **NOTE:** The remaining step in this procedure is shown with the document feeder cover removed for clarity. It is *not* necessary to remove the document feeder cover to remove the post scan pinch rollers.

3. Depress the roller springs and remove the post scan pinch rollers (callout 1).

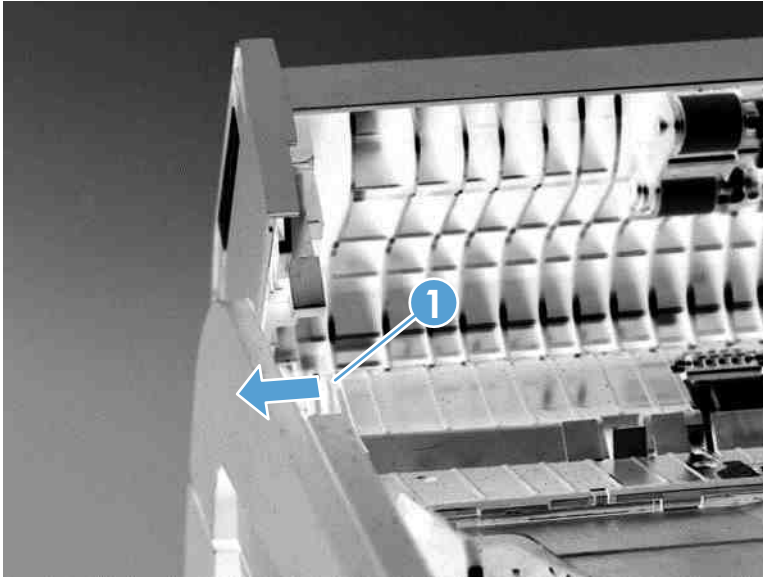
Figure 1-105 Remove the post scan pinch rollers (2 of 2)




Document feeder base assembly

1. Remove the following components:
 - Document feeder core. See [Document feeder core assembly on page 75](#).
2. Release one tab (callout 1), and then fully open the document feeder cover.

Figure 1-106 Remove the document feeder base assembly (1 of 4)



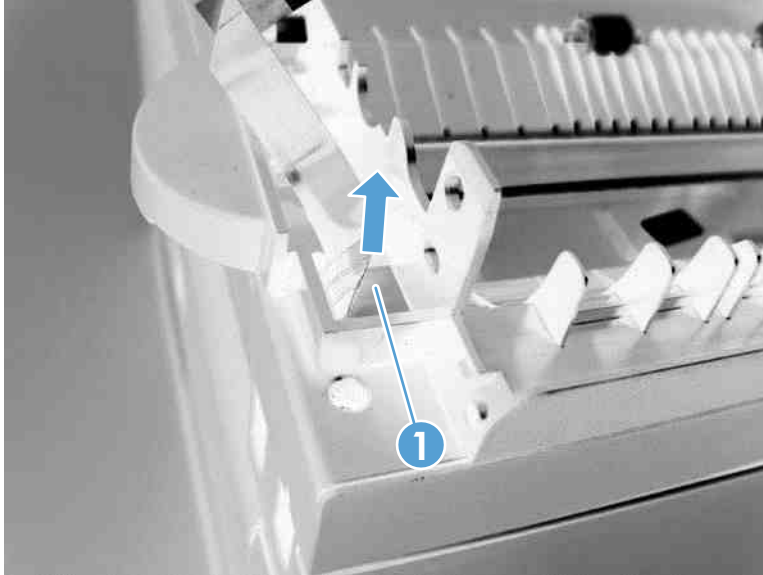
 **NOTE:** The remaining step in this procedure is shown with the document feeder cover removed for clarity. It is *not* necessary to remove the document feeder cover to remove the document feeder base assembly.

3. Pry up the white adhesive FFC protector on the document feeder base (callout 1) using a small, flat-blade screwdriver, and then unplug the FFC.

CAUTION: Failure to pry up and release the white FFC protector may result in damage to the FFC when unplugging the FFC.

Reinstallation tip Use two-sided tape to replace the FFC protector during reassembly.

Figure 1-107 Remove the document feeder base assembly (2 of 4)



4. Pull forward on the center tab on one of the hinge locks to release the lock (callout 1), and then pull the lock straight down to remove it (callout 2). Repeat the procedure for the other hinge lock.


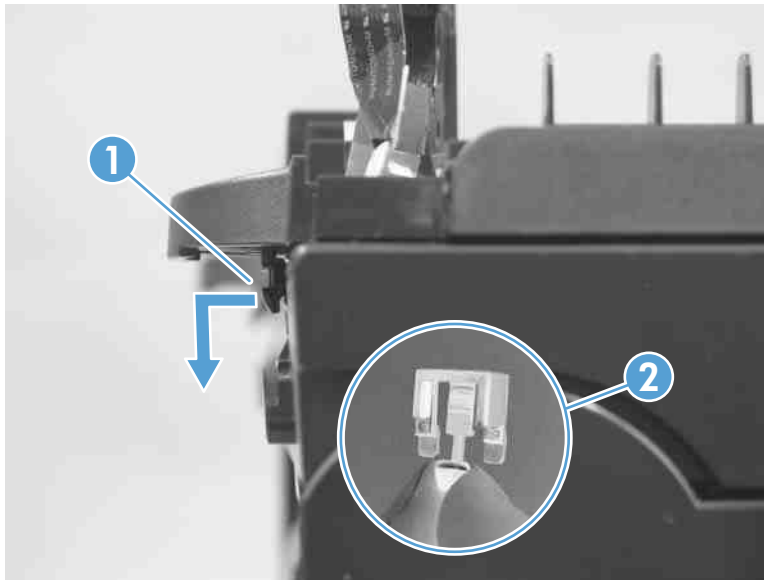
 **TIP:** The hinge locks can be difficult to remove. If necessary, use a small, flat-blade screwdriver to gently pry the two side tabs in order to release the hinge lock from the groove in the document feeder hinge.

Figure 1-108 Remove the document feeder base assembly (3 of 4)



5. Open the document feeder base, and then carefully remove it from the scanner assembly.


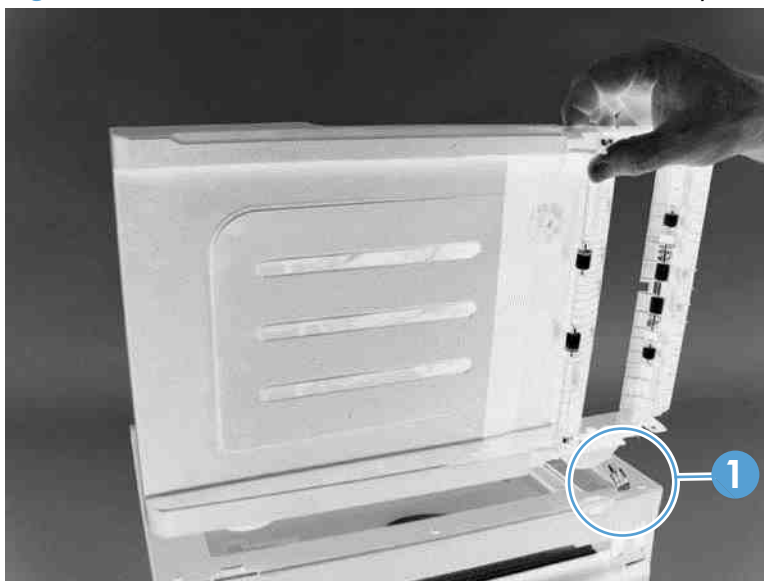
 **CAUTION:** Do not damage the FFC (callout 1) that runs through the document feeder base. Carefully feed the FFC through the slot during removal and during replacement.

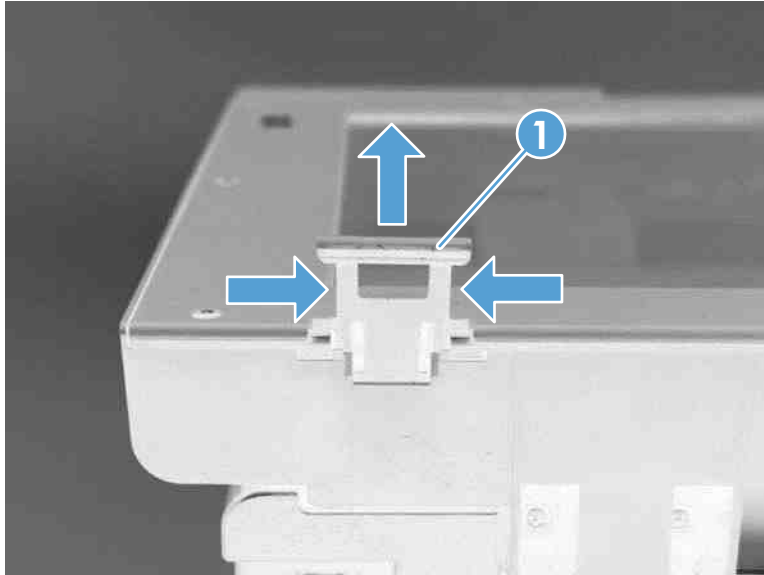
Figure 1-109 Remove the document feeder base assembly (4 of 4)



Document feeder floating hinges

1. Remove the following components:
 - Document feeder base assembly. See [Document feeder base assembly on page 78](#).
2. Release two tabs on each hinge (callout 1), and then remove each hinge (callout 2).

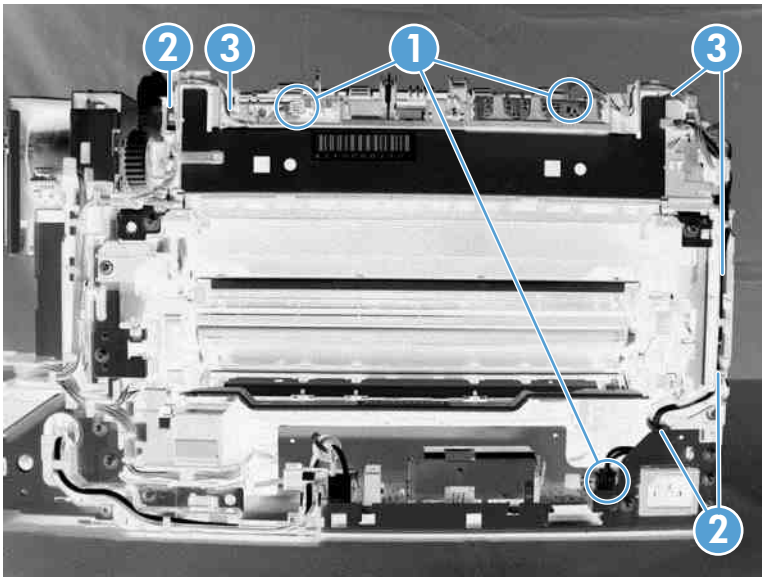
Figure 1-110 Remove the document feeder floating hinges



Fuser

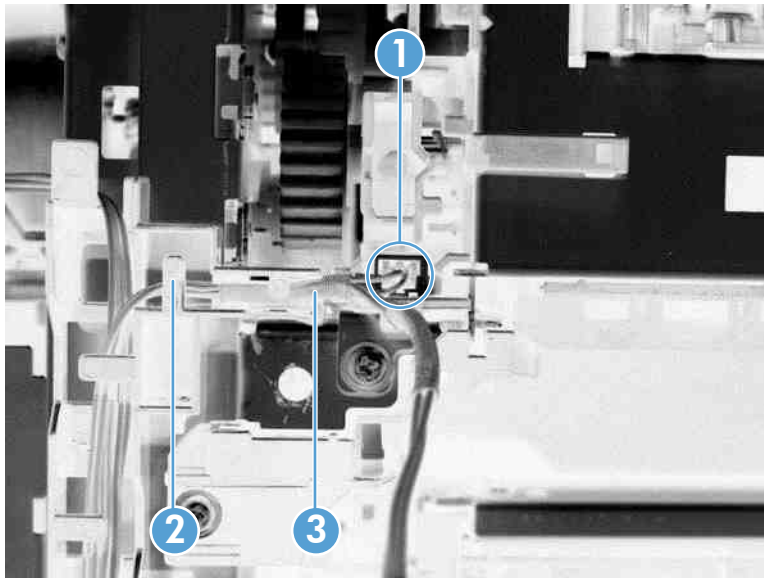
1. Remove the following components:
 - Right cover. See [Right cover on page 17](#).
 - Left cover. See [Left cover on page 20](#).
 - Rear right cover. See [Rear right cover on page 22](#).
 - Rear-upper cover. See [Rear-upper cover on page 25](#).
 - Rear door and rear-lower cover. See [Rear door and rear-lower cover on page 25](#).
 - Upper cover. See [Upper cover on page 31](#).
2. Disconnect three connectors (callout 1). Release the cables (callout 3) from the cable guide (callout 2).

Figure 1-83 Remove the fuser (1 of 3)



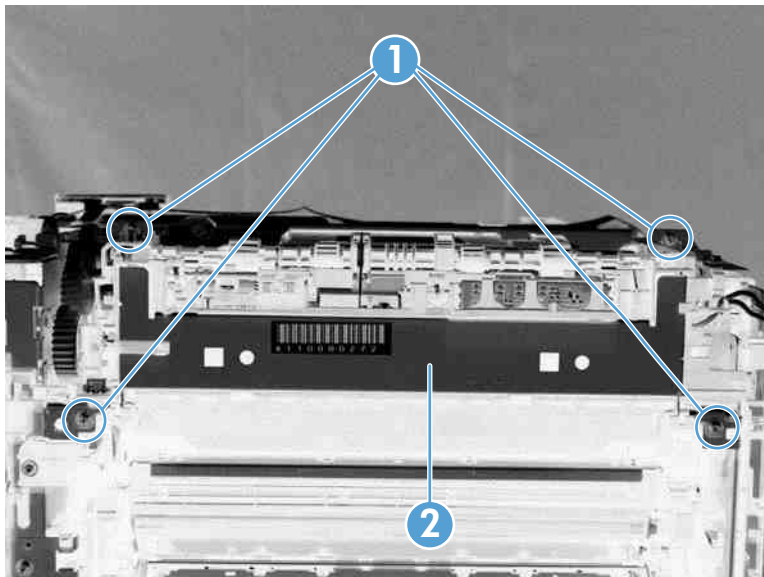
3. Disconnect one connector (callout 1). Release the cables (callout 3) from the cable guide (callout 2).

Figure 1-84 Remove the fuser (2 of 3)



4. Remove four screws (callout 1) and the fuser (callout 2).

Figure 1-85 Remove the fuser (3 of 3)

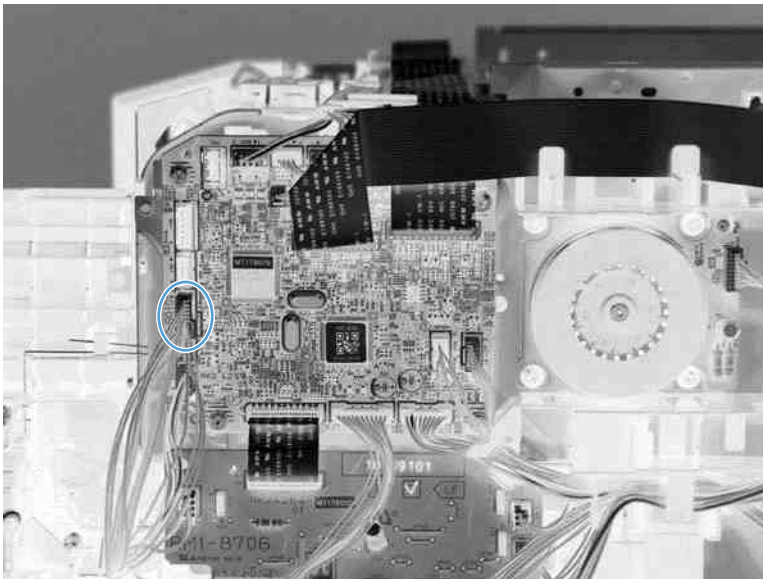


Intermediate transfer belt (ITB)

Remove the ITB

1. Remove the following components:
 - Toner-cartridge drawer. See [Toner-cartridge drawer on page 15](#).
 - Right cover. See [Right cover on page 17](#).
 - Left cover. See [Left cover on page 20](#).
 - Rear-right cover. See [Rear right cover on page 22](#).
 - Rear door and rear-lower cover. See [Rear door and rear-lower cover on page 25](#)
2. Disconnect one connector.

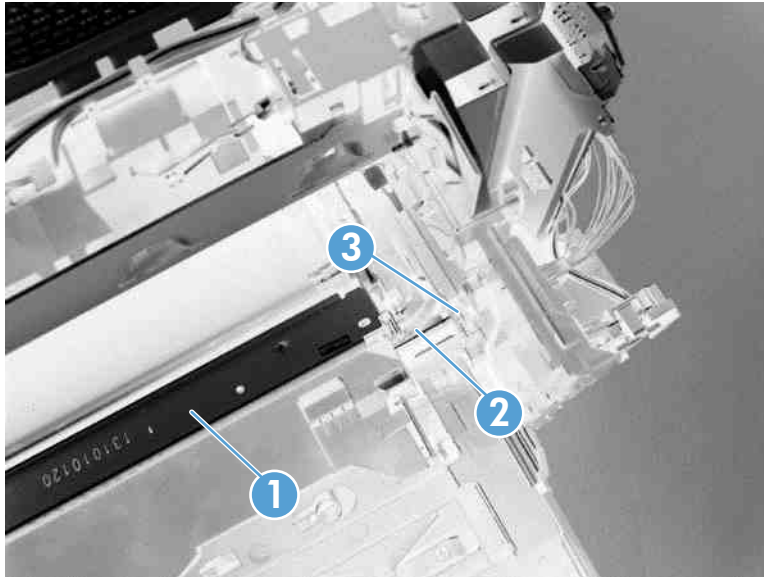
Figure 1-66 Remove the ITB (1 of 3)



3. When disassembling the ITB assembly (callout 1) make sure to release the cable (callout 2) from the guide (callout 3) .

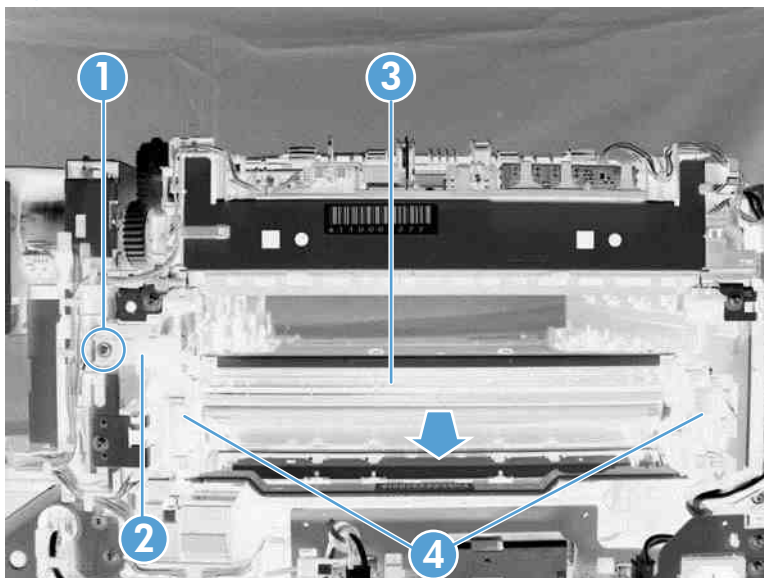
⚠ CAUTION: The cable can be damaged if it is not released from the guide before the ITB is removed from the chassis.

Figure 1-67 Remove the ITB (2 of 3)



4. Remove one screw (callout 1) and the stopper part (callout 2). Lift the ITB assembly (callout 3) slightly by pushing up at the locations shown (callout 4), and then slide the ITB assembly out of the chassis to remove.

Figure 1-68 Remove the ITB (3 of 3)

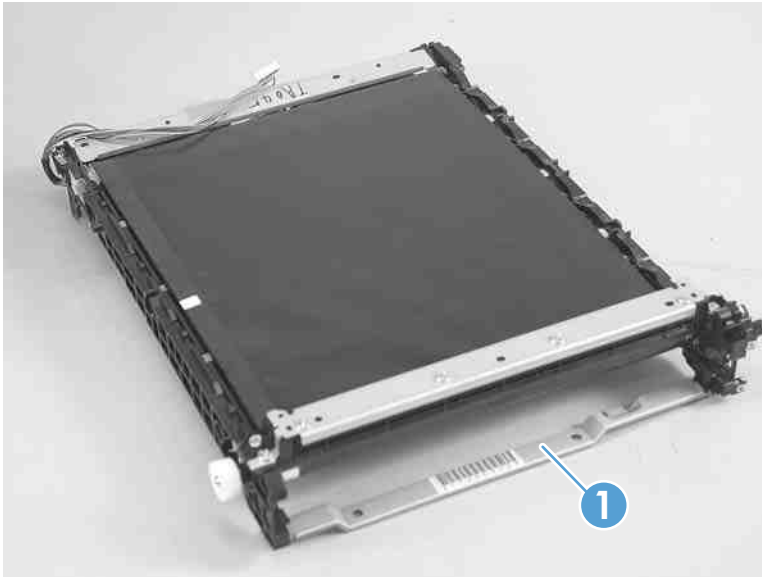


Reinstall the ITB

Use the following guidelines when you install the ITB.

- **⚠ WARNING!** The lower sheet-metal portion of the ITB frame (callout 1) can be easily bent. Avoid handling the ITB by this part of the sheet-metal frame.

Figure 1-69 Reinstall the ITB (1 of 2)



- When handling the ITB, always hold it using the hard plastic portions of the assembly.
- **⚠ CAUTION:** Avoid touching the black-plastic transfer belt or roller. Human skin oils that contact the belt or roller might cause print-quality problems.
- Do not let the transfer belt contact hard or sharp objects.
- **⚠ CAUTION:** Scratches, punctures, or other damages to the belt will cause print-quality problems.
- Make sure that the wire harness is not twisted or pinched after it is passed through the opening in the chassis and that the ITB sits flat in the product.
- **📝 NOTE:** When the toner-cartridge drawer is installed, it should easily slide in and out of the product and not contact any part of the ITB assembly.

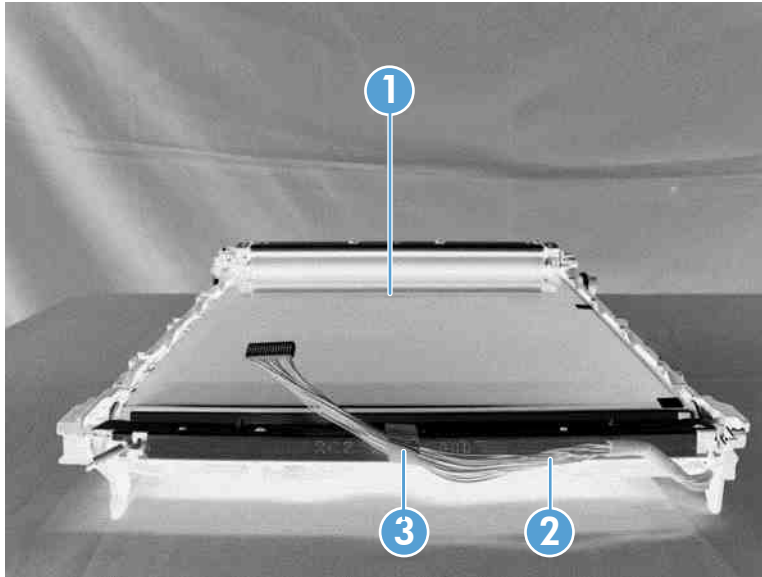
- Tape the wire harness (callout 2) to the sheet-metal frame (callout 3) so that it will not catch on internal components as the ITB (callout 1) is installed.

With the ITB partially installed, feed the wire harness through the opening in the chassis. Finish installing the ITB.

⚠ WARNING! Do not place the tape where it could make contact with or adhere to the transfer belt (callout 1). Tape or tape residue on the transfer belt will cause print-quality problems.

📝 NOTE: Remove all of the tape and tape residue after installing the ITB.

Figure 1-70 Reinstall the ITB (2 of 2)




Removal and replacement procedures


Rollers

Pick roller

⚠ CAUTION: Do not touch the spongy roller surface unless you are going to replace the pick roller. Human skin oils that contact the roller can cause paper pickup problems.

1. Use the following procedure to rotate the roller into the position required to remove it.
 - Touch the Setup  button.
 - Touch the middle of the screen along the left edge (callout 1), and then immediately touch the lower-right corner (callout 2) of the screen.



- When the Home screen appears, touch the Setup  button again.
- Touch the **2ndary Service** button.
- Touch the arrow buttons (at the right or left side of the touch screen) until the **Pick roller** button appears.
- Touch the **Pick roller** button.
- Touch the **OK** button to confirm that you want the pick roller to rotate.
- Remove the power cord, without turning off the power using the power switch, and then remove the interface cable.

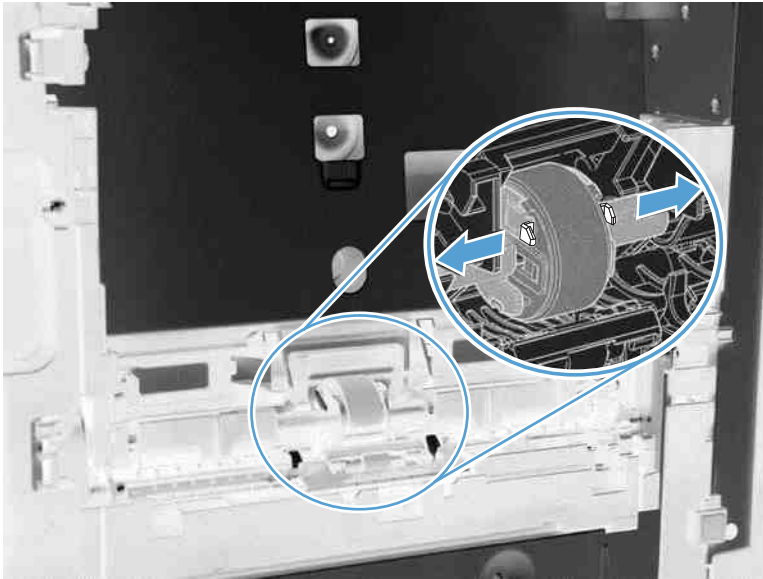
📝 NOTE: If the power to the product is turned off using the power switch, the pick roller will rotate to the parked position.

2. Remove the tray assembly, and then carefully place the product front-side up.

📝 NOTE: Debris can scratch or damage the back of the product. Before you place the product front-side up, remove any debris from the work surface. If possible, set the product on a clean, dry cloth to prevent scratching and damage.

3. Release the two black plastic locking tabs, and remove the pick roller.

Figure 1-3 Remove the pick roller



Separation roller

⚠ CAUTION: Do not touch the spongy roller surface unless you are going to replace the roller. Human skin oils that contact the roller can cause paper pickup problems.

1. Remove the tray (if installed), and then carefully place the product front-side up.

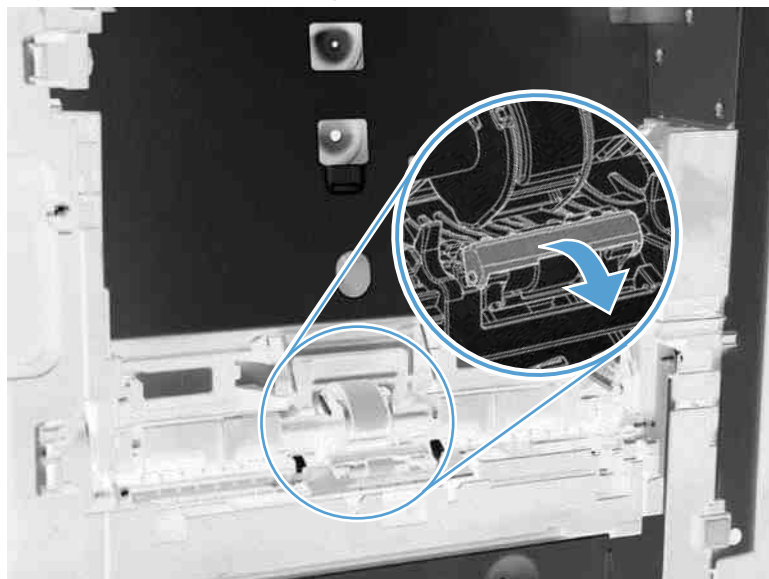
⚠ CAUTION: The document feeder and scanner cover are not captive and can open suddenly if the product is placed front-side up. Always support the document feeder and scanner cover before placing the product front-side up.

📝 NOTE: Debris can scratch or damage the back of the product. Before you place the product front-side up, remove any debris from the work surface. If possible, set the product on a clean, dry cloth to prevent scratching and damage.

2. Carefully release the roller cover, and then rotate it down and away from the roller.

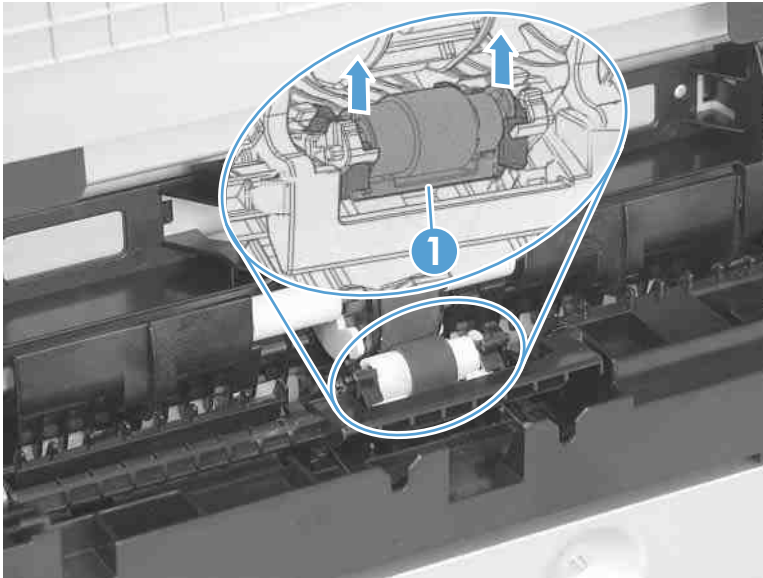
💡 Reinstallation tip Make sure that this cover snaps into place over the roller when the roller and holder are reinstalled.

Figure 1-4 Remove the separation roller (1 of 2)



3. Use a small, flat-blade screwdriver to gently pry up on the roller and holder assembly (callout 1) to remove the roller and holder assembly.

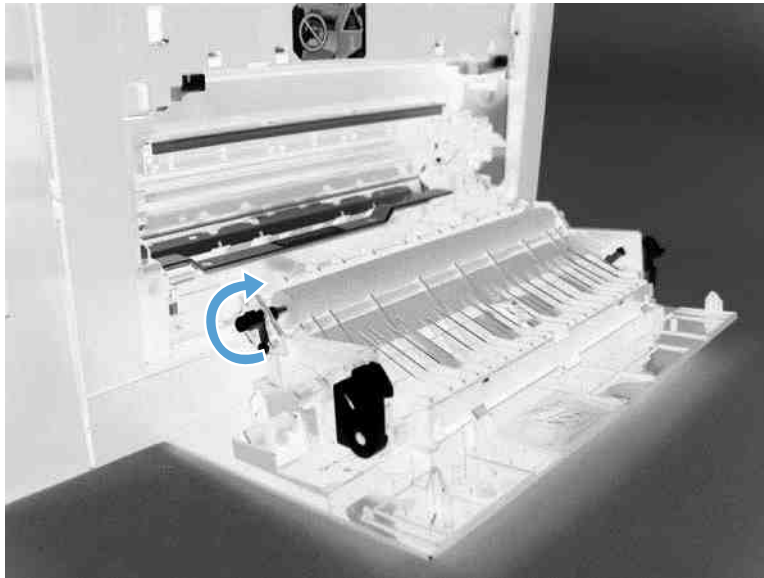
Figure 1-5 Remove the separation roller (2 of 2)



Transfer roller

1. Open the rear door.
2. Release the retainer clip, and then rotate it until the pin on the clip aligns with the slot in the mounting bracket.

Figure 1-6 Remove the transfer roller (1 of 3)



3. Remove the clip. Repeat these steps for the remaining retainer clip (located at the opposite end of the roller shaft).


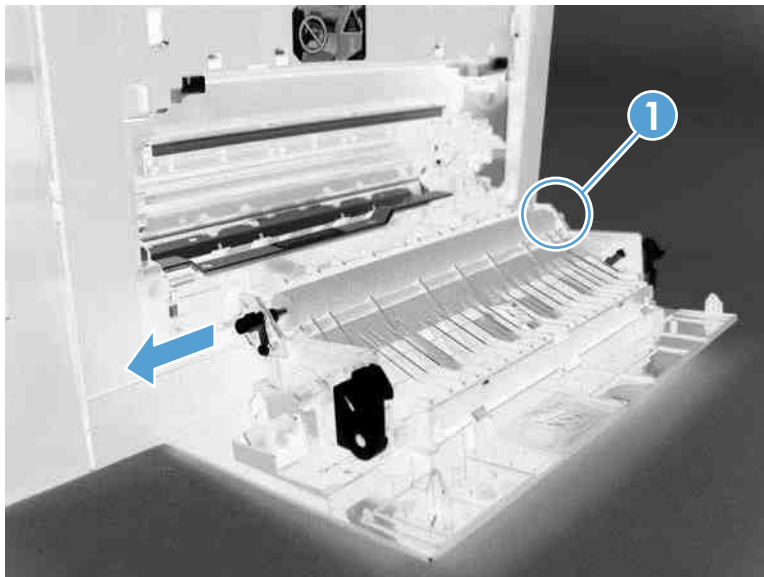
 **TIP:** One of the clips (callout 1) is made from a black conductive plastic. Make sure that the clips are reinstalled on the correct end of the transfer roller.

Figure 1-7 Remove the transfer roller (2 of 3)



4. Slide the roller to one side to disengage the roller shaft from the mounting bracket, and then remove the transfer roller.

CAUTION: Do not touch the black sponge portion of the roller. Human skin oils that contact the roller can cause print-quality problems.

Figure 1-8 Remove the transfer roller (3 of 3)

