



LASERJET ENTERPRISE 500 COLOR MFP LASERJET ENTERPRISE FLOW MFP M575

Repair Manual



M575



M575c



HP LaserJet Enterprise 500 color MFP
M575 Printers

HP LaserJet Enterprise 500 color flow
MFP M575 Printers

Repair Manual

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Conventions used in this guide

 **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



NOTE: Your product might not appear exactly as the one shown in the photos in this chapter. Although some photos do not show the document feeder and scanner assembly installed, the procedures in this chapter are appropriate for your product.

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

Introduction

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

Replacing FRUs is generally the reverse of removal. Occasionally, notes and tips are included to provide directions for difficult or critical replacement procedures.

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

Note the length, diameter, color, type, and location of each screw. Be sure to return each screw to its original location during reassembly.

Incorrectly routed or loose wire harnesses can interfere with other internal components and can become damaged or broken. Frayed or pinched harness wires can be difficult to find. When replacing wire harnesses, always use the provided wire loops, lance points, or wire-harness guides and retainers.


Removal and replacement strategy

General cautions during removal and replacement

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


Replacing FRUs is generally the reverse of removal. Occasionally, notes and tips are included to provide directions for difficult or critical replacement procedures.

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


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

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:** Do not bend or fold the flat flexible cables (FFCs) during removal or installation. Also, do not straighten prefolds in the FFCs. You *must* fully seat all FFCs in their connectors. Failure to fully seat an FFC into a connector can cause a short circuit in a PCA.


Incorrectly routed or loose wire harnesses can interfere with other internal components and can become damaged or broken. Frayed or pinched harness wires can be difficult to find. When replacing wire harnesses, always use the provided wire loops, lance points, or wire-harness guides and retainers.

 **NOTE:** To install a self-tapping screw, first turn it counterclockwise to align it with the 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.

Note the length, diameter, color, type, and location of each screw. Be sure to return each screw to its original location during reassembly.

TIP: For clarity, some photos in this chapter might show components removed that would not be removed to service the product. If necessary, remove the components listed at the beginning of a procedure before proceeding to service the product.

Electrostatic discharge

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, or use an ESD strap. If an ESD workstation, mat, or strap is not available, ground yourself by touching the sheet-metal chassis *before* touching an ESD-sensitive part.

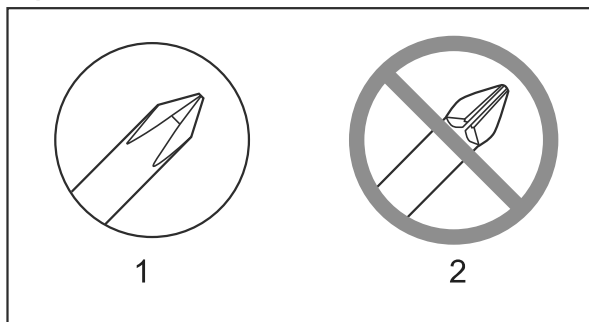
Protect the ESD-sensitive parts by placing them in ESD pouches when they are out of the product.

Required tools

- #1 Phillips screwdriver with a magnetic tip and a 152-mm (6-inch) shaft length
- #2 Phillips screwdriver with a magnetic tip and a 152-mm (6-inch) shaft length
- Small flat blade screwdriver
- Needle-nose pliers
- ESD mat or ESD strap (if one is available)
- Penlight (optional)

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

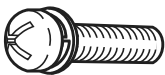

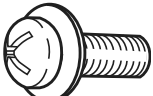
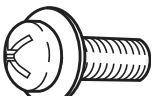
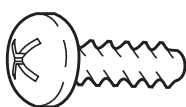
Figure 1-1 Phillips and Pozidriv screwdriver comparison



Types of screws



NOTE: The illustration in this section are for reference only. The screws in your product might look slightly different.

Illustration	Description	Size	Part number	Use
	Screw with washer	M3X6	XB2-7300-000CN	Used to secure metal components to metal components (for example, a ground wire to the frame)
	Screw, tapping	M3X6	XA9-1503-000CN	
	Screw	D-M3X6	XA9-1671-000CN	
	Screw	P-M3X8	XB4-5300-807CN	
	Screw, tapping, truss head	M4X10	XB4-7401-005CN	Used to secure anything to plastic

6 mm 8 mm 10 mm M 3 M 4







Service approach

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

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

After you find a faulty part, the product can usually be repaired at the assembly level by replacing field-replaceable units (FRUs). Some mechanical assemblies might need to be repaired at the subassembly level.

 **NOTE:** Your product might not appear exactly as the one shown in the photos in this chapter. Although some photos do not show the document feeder and scanner assembly installed, the procedures in this chapter are appropriate for your product.

Before performing service

- Remove all media from the product.
- Turn off the power using the power switch.
- Unplug the power cable and interface cable or cables.
- Place the product on an ESD workstation or mat, or use an ESD strap (if one is available). If an ESD workstation, mat, or strap is not available, ground yourself by touching the sheet-metal chassis *before* touching an ESD-sensitive part.
- Remove the toner cartridges. See [Toner cartridges on page 11](#).
- Remove the tray or trays. See [Tray 2 and 3 on page 23](#).

After performing service

- Plug in the power cable.
- Reinstall the toner cartridges.
- Reinstall the tray or trays.
- If the optional paper feeder was installed, place the product on the feeder.

Post-service test

Perform the following test to verify that the repair or replacement was successful.

Print-quality test

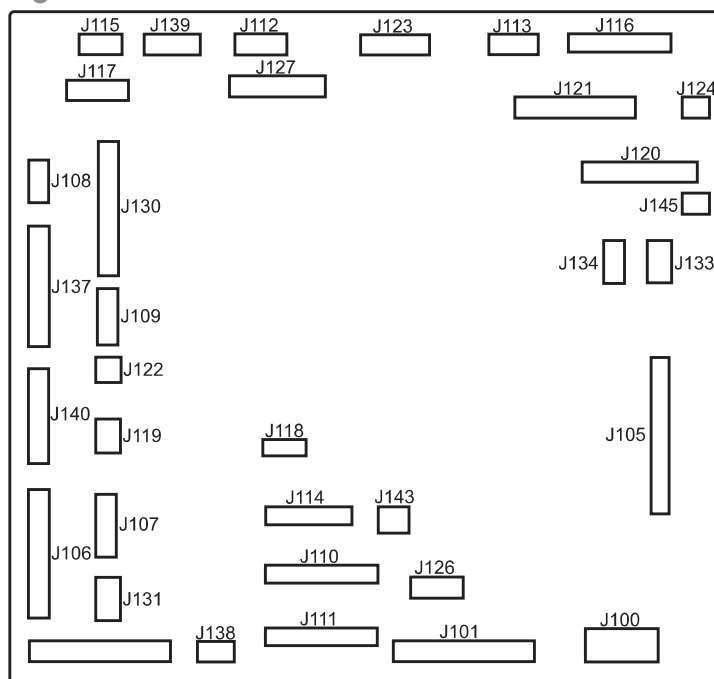
1. Verify that you have completed the necessary reassembly steps.
2. Make sure that the tray contains clean, unmarked paper.
3. Attach the power cord and interface cable or interface cables, and then turn on the product.
4. Verify that the expected startup sounds occur.
5. Print a configuration page, and then verify that the expected printing sounds occur.
6. Print a demo page, and then verify that the print quality is as expected.
7. Send a print job from the host computer, and then verify that the output meets expectations.
8. If necessary, restore any customer-specified settings.
9. Clean the outside of the product with a damp cloth.

Copy-quality test

1. Verify that you have completed the necessary reassembly steps.
2. Ensure that the input tray contains clean, unmarked paper.
3. Attach the power cord, and then turn on the product.
4. Verify that the expected start-up sounds occur.
5. Print a configuration page, and then verify that the expected printing sounds occur.
6. Place the configuration page in the document feeder.
7. Print a copy job, and then verify the results.
8. Place the configuration page on the scanner glass.
9. Print a copy job, and then verify the results.
10. Clean the outside of the product with a damp cloth.

DC controller PCA

Figure 1-2 DC controller PCA



J100: 24 v from low-voltage power supply (LVPS) and interlock	J114: HVPS lower	J126: memory tag connector
J101: LVPS	J115: fuser sensors	J127: pre-exposure LEDs (rear), SR17, SL1
J105: interconnect board (ICB)	J116: HVPS upper	J130: registration density (RD) sensors (front and rear)
J106: 500-sheet feeder, developing home position, laser motors	J117: fuser motor	J131: pickup motor
J107: duplex sensor, tray 1 solenoid, paper present sensor	J118: 5 v interlock	J133: not used
J108: environmental sensor	J119: LVPS fan	J134: not used
J109: duplex clutch, overhead transparency (OHT) in, top-of-page sensor	J120: drum motor 1 and drum motor 2	J137: toner collection unit (TCU) full, TCU motor, toner level detection
J110: YM laser	J121: drum motor 3, drum position 1,2,3	J138: 24 v to HVPS lower
J111: CK laser	J122: OHT out	J139: fuser sensors
J112: pre-exposure LEDs (front)	J123: pressure release, bin full, fuser delivery	J140: lift motor, tray present, stack surface
J113: 24 v to high-voltage power supply (HVPS) upper	J124: 24 v to scanner	J143: 24 v present from LVPS
		J145: 24v to stapler

Parts removal order

Figure 1-3 Parts removal order (1 of 3)

Assembly	Remove	Remove	Remove	Remove	Remove	Remove	Remove	Remove	Remove
Toner cartridges									
Stapler cartridge									
Duplex reverse guide									
Toner collection unit (TCU)									
Formatter									
Hard drive (HDD)	Formatter								
Fax PCA and cable	Formatter								
Tray 2-3 cassettes									
Fuser									
Tray 1 pickup roller	Roller cover								
Tray 2 pickup and separation rollers	Tray 2								
Tray 3 pickup, feed, and separation rollers	Tray 3								
Secondary transfer rollers									
Secondary transfer assembly (T2)									
Intermediate transfer belt (ITB)									
Front-door assembly									
ADF separation pad and ADF separation pad spring									
Control panel									
Keyboard (575c model)	Control panel								
USB cover									
HIP cover									
Front-upper cover									
Stapler cover									
Right-door assembly									
Right-rear cover									
Left cover	Formatter								
Rear-upper cover									
Left-upper cover	Rear-upper cover								
Rear cover	Right-rear cover	Left cover	Rear-upper cover						
Right-front cover	Front-upper cover								
ADF whole unit	Rear-upper cover								
SCB	Rear-upper cover								
Image scanner whole unit	Stapler cover	Rear-upper cover	Left-upper cover	Document feeder	SCB				
Delivery cover	Stapler cover	Front-upper cover	Rear-upper cover	Left-upper cover	Document feeder	SCB	Scanner	Upper-right cover	
Right-top cover	Stapler cover	Rear-upper cover	Left-upper cover	Document feeder	SCB	Scanner			
Upper-right cover	Stapler cover	Rear-upper cover	Left-upper cover	Document feeder	SCB	Scanner			
Front-top cover	Stapler cover	Rear-upper cover	Left-upper cover	Front-upper cover	Left cover	Document feeder	SCB	Scanner	
Rear-top cover	Stapler cover	Rear-upper cover	Left-upper cover	Rear cover	Document feeder	SCB	Scanner	Delivery cover	Front top cover

Figure 1-4 Parts removal order (2 of 3)


Assembly	Remove	Remove
ADF front cover		
ADF rear cover		
Mylar		
Foam reflector		
ADF tray extender		
ADF PCA	ADF rear cover	
ADF jam-access cover		
Roller door	ADF jam-access cover	
Stoppers	ADF jam-access cover	
ADF handle	ADF jam-access cover	
Photosensor	ADF jam-access cover	
ADF tray cover		
Legal flag and sensor	ADF tray cover	
ADF paper guides	ADF tray cover	
Assy hinge	Rear-upper cover	ADF whole unit
ADF pick success sensor assy	Rear-upper cover	ADF whole unit

Figure 1-5 Parts removal order (3 of 3)


Assembly	Remove	Remove	Remove	Remove	Remove	Remove	Remove	Remove	Remove
Stapler assembly	Stapler cover								
Interconnect board (ICB)	TCU	Formatter	Right-rear cover	Left cover	Rear-upper cover	Rear cover			
DC controller (DCC) and tray (optional)	TCU	Formatter	Right-rear cover	Left cover	Rear-upper cover	Rear cover	ICB	LVPS (if removing tray)	
LVPS	TCU	Formatter	Right-rear cover	Left cover	Rear-upper cover	Rear cover	ICB		
Delivery fan, cartridge fan, and environmental sensor	TCU	Left cover							
Toner collection sensor	TCU	Left cover							
Residual-toner feed motor	TCU	ITB	Left cover						
Registration density (RD) sensor	T2	ITB							
Power supply (PS) fan and fan duct	TCU	Right-rear cover	Left cover	Rear-upper cover	Rear cover				
Registration assembly	TCU	T2	ITB	Right-rear cover	Left cover	Rear-upper cover	Rear cover	RD sensor	PS fan and duct
High-voltage power supply (HVPS) lower	TCU Formatter Right-rear cover Left cover Rear-upper cover Rear cover	ICB	LVPS						
Developing-disengagement motor		ICB	LVPS	HVPS-lower					
Pickup motor		ICB	LVPS	HVPS-lower					
Lifter-drive assembly		ICB	LVPS	HVPS-lower					
Cassette pickup drive assembly		ICB	LVPS	HVPS-lower					
Laser scanner (Y/M)		ICB	LVPS	HVPS-lower					
Laser scanner (C/Bk)		ICB	LVPS	HVPS-lower	Lifter-drive	Laser scanner (Y/M)			
Cassette pickup assembly		ICB	LVPS	Registration assembly	HVPS-lower	Cassette-pickup drive assembly			
High-voltage power supply (HVPS) upper	TCU	Rear-upper cover							
Drum motors 1, 2, or 3	Formatter Right-rear cover Left cover	Rear cover ICB DCC LVPS	HVPS-upper						
Fuser motor			HVPS-upper						
Main-drive assembly	TCU Formatter Fuser T2 ITB	Right-rear cover Left cover Rear-upper cover Rear cover	ICB DCC and tray PS fan and duct LVPS HVPS lower and upper						
Fuser-drive assembly			Document feeder SCB Scanner Front-top cover Rear-top cover PS fan and duct ICB DCC and tray LVPS HVPS lower and upper	Main drive					
Delivery assembly	TCU Formatter Fuser T2 ITB Front-upper cover Right-rear cover	Left cover Stapler cover Rear-upper cover Left-upper cover Rear cover		Main drive	Fuser drive				
Duplex-drive assembly				Main drive	Fuser drive	Delivery assembly			

Removal and replacement procedures

Customer self repair (CSR) components

 **NOTE:** Your product might not appear exactly as the one shown in the photos in this chapter. Although some photos do not show the document feeder and scanner assembly installed, the procedures in this chapter are appropriate for your product.

Toner cartridges

 **CAUTION:** If toner gets on your clothing, wipe it off with a dry cloth and wash clothing in cold water. *Hot water sets toner into fabric.*

1. Open the front door. Make sure that the door is completely open.

Figure 1-6 Remove the toner cartridge (1 of 2)

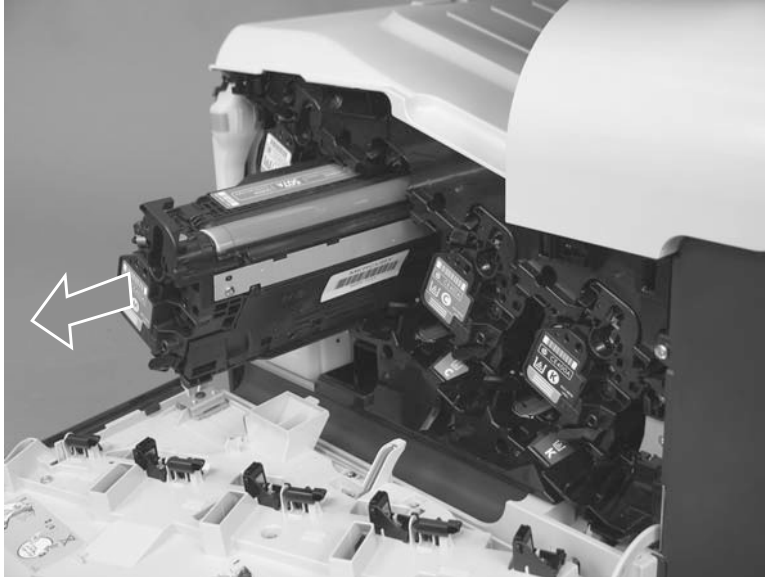


2. Grasp the toner-cartridge handle and pull out to remove.

⚠ CAUTION: Do not touch the green roller. Doing so can damage the cartridge. Do not expose the cartridge to strong light. Cover the cartridge with a sheet of paper to protect it from light.

💡 Reinstallation tip Align the toner cartridge with its slot and insert the toner cartridge until it clicks into place.

Figure 1-7 Remove the toner cartridge (2 of 2)



Staple cartridge

Open the stapler door, and then remove the staple cartridge.

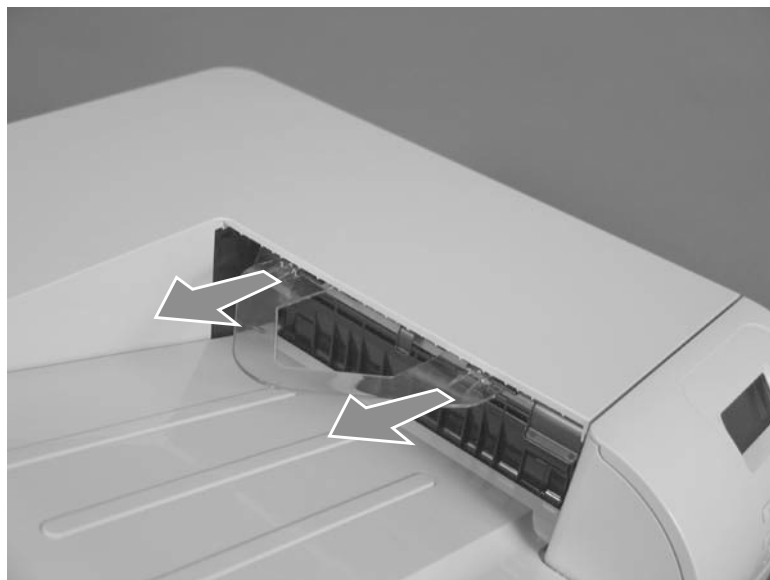
Figure 1-8 Remove the staple cartridge



Duplex-reverse guide

1. Grasp the duplex-reverse guide and pull it away from the product to release it.

Figure 1-9 Remove the duplex-reverse guide (1 of 2)




2. Remove the guide.

Figure 1-10 Remove the duplex-reverse guide (2 of 2)



Toner-collection unit

 **NOTE:** The toner-collection unit is designed for a single use. Do not try to empty the toner-collection unit and reuse it. Doing so could cause toner to spill inside the product and result in reduced print quality. For recycling information, see the product user guide.

1. Open the front door. Make sure that the door is completely open.

Figure 1-11 Remove the toner-collection unit (1 of 4)



2. Grasp the blue label at the top of the toner-collection unit and remove it from the product.


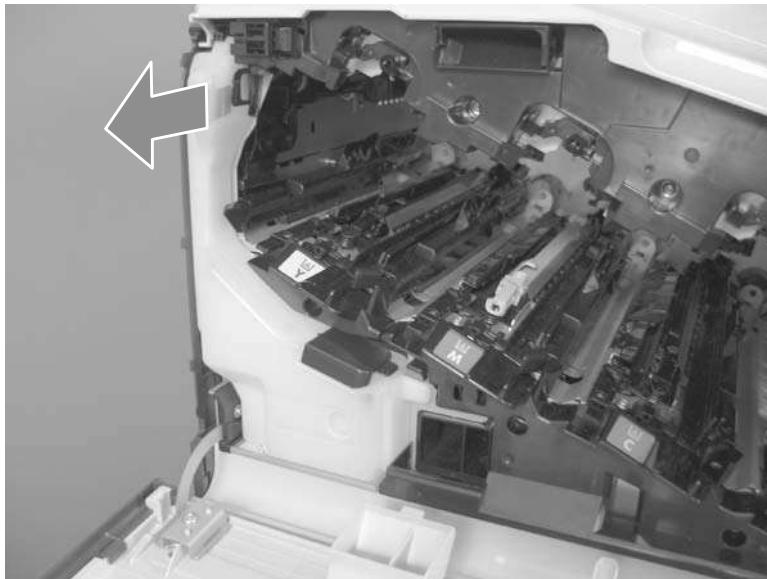
 **Reinstallation tip** Insert the bottom of the replacement unit into the product first and then push the top of the unit until it clicks into place. If the toner-collection unit is installed incorrectly, the front door will not close completely.

Figure 1-12 Remove the toner-collection unit (2 of 4)



3. To prevent toner spills, place the blue cap (callout 1) over the blue opening at the top of the unit (callout 2).

Figure 1-13 Remove the toner-collection unit (3 of 4)



Figure 1-14 Remove the toner-collection unit (4 of 4)

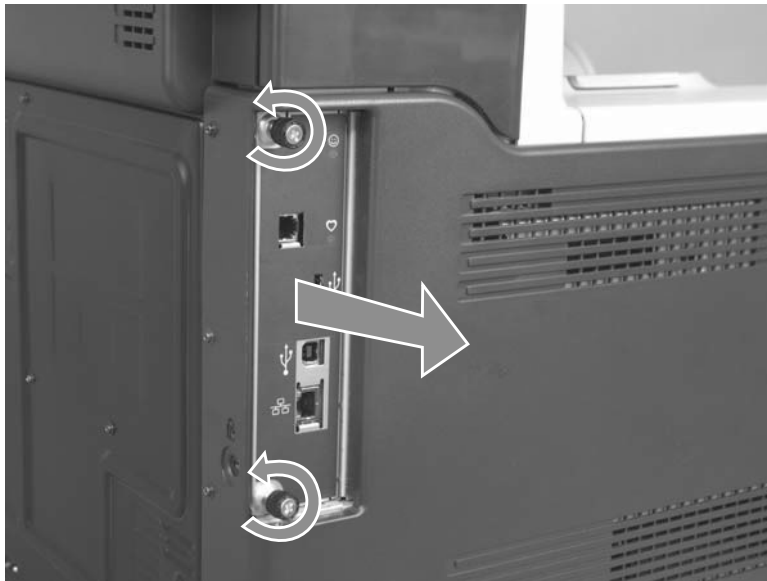


Formatter PCA

⚠ CAUTION:  ESD sensitive component.

1. Turn the product off and disconnect the power and interface cable or interface cables.
2. Unscrew the formatter thumb screws, and then firmly pull the formatter from the product. Place the formatter on a clean, flat, grounded surface.

Figure 1-15 Remove the formatter



📝 NOTE: When reinstalling the formatter, push firmly on the right side to make sure the formatter is seated.

Fax PCA and cable

Before proceeding, remove the following components:

- Formatter PCA. See [Formatter PCA on page 17](#).

Remove the fax PCA and cable

⚠ CAUTION:  ESD sensitive component.

1. Disconnect one connector.

Figure 1-16 Remove the fax PCA and cable (1 of 2)



2. Release two tabs and the remove the fax PCA.


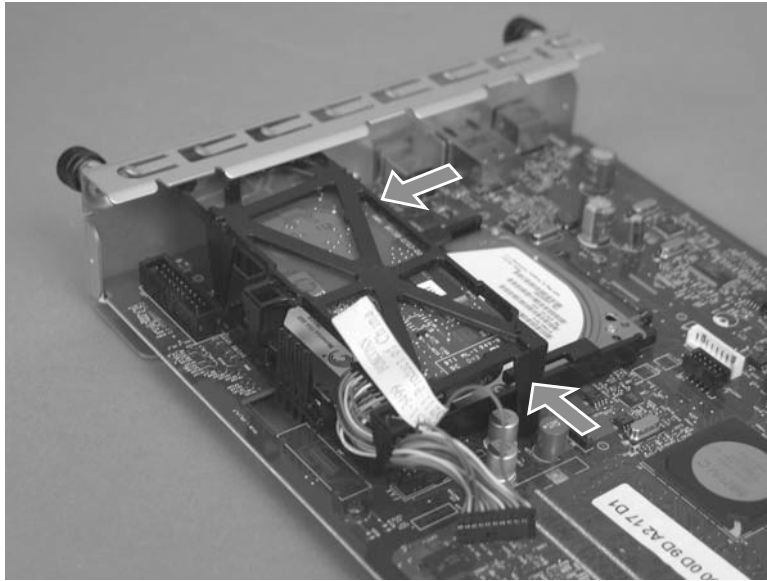
 **NOTE:** If necessary, disconnect the cable from the fax PCA.

Figure 1-17 Remove the fax PCA and cable (2 of 2)



Hard drive

 **NOTE:** The product has a hard disk drive (HDD) installed. If you install a replacement disk drive, you must reload the product firmware. See [Reload the firmware on page 22](#).

Before proceeding, remove the following components:

- Formatter PCA. See [Formatter PCA on page 17](#).
- Fax PCA and cable. See [Fax PCA and cable on page 18](#).

Remove the HDD

 **CAUTION:**  ESD sensitive component.

1. Place the formatter on a clean, flat, grounded surface.
2. Release the locking lever to release the HDD.

Figure 1-18 Remove the HDD (1 of 3)



3. Hold the locking lever in the release position, and then slide the HDD toward the edge of the formatter to remove it.


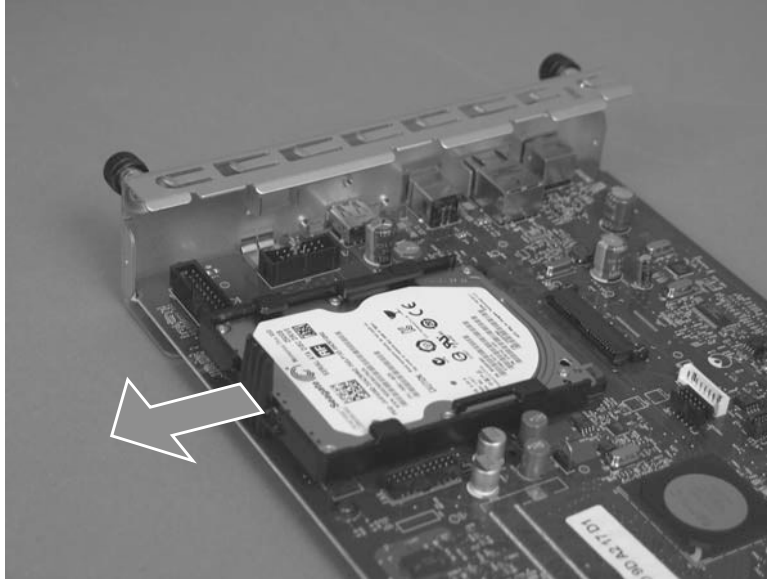
 **Reinstallation tip** When the HDD is reinstalled, make sure that the HDD is fully seated and that the locking lever snaps into the locked position.

Figure 1-19 Remove the HDD (2 of 3)



4. Separate the plastic side rails (callout 1) from the hard drive, and then slide (callout 2) the plastic cover from the hard drive.


 **CAUTION:** The plastic rails can be tight fitting. Remove carefully to avoid breaking.

Figure 1-20 Remove the HDD (3 of 3)




Install a replacement hard drive

After installing a replacement hard drive, you must reload the firmware by performing a firmware upgrade.


Reload the firmware

Update firmware


1. Copy the `xxxxxxx.bdl` file to a portable USB flash drive.
2. Turn the product on.
3. The HP logo displays on the product control panel. When an underscore displays below the HP logo, touch the logo to open the **Preboot** menu.
4. Touch the down arrow ▼ button to highlight **Administrator**, and then touch the **OK** button.


 **NOTE:** You might be prompted to enter a password to access the **Administrator** menu. Type the password, and then touch the **OK** button.

5. Touch the down arrow ▼ button to highlight **Download**, and then touch the **OK** button.
6. Insert the USB flash drive with the `xxxxxxx.bdl` file on it.

 **NOTE:** If the error message **No USB Thumbdrive Files Found** displays on the control-panel display, you might need to connect the storage device to the external USB connection on the formatter or try using a different portable storage device.

7. Touch the down arrow ▼ button to highlight **USB Thumbdrive**, and then touch the **OK** button.
8. Touch the down arrow ▼ button to highlight the `xxxxxxx.bdl` file, and then touch the **OK** button.

 **NOTE:** The upgrade process can take up to 10 minutes to complete.

 **TIP:** If there is more than one `xxxxxxx.bdl` file on the storage device, make sure that you select the correct file for this product.

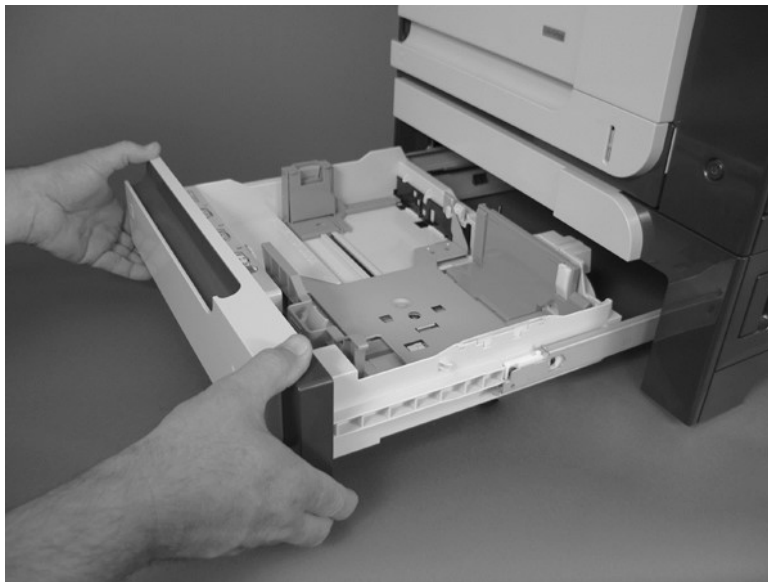
9. When the message **Complete** displays on the control-panel display, touch the back arrow ↩ button 3 times.
10. When the message **Continue** displays on the control-panel display, touch the **OK** button. The product will initialize.
11. When the upgrade process is complete, print a configuration page and verify that the upgrade firmware version was installed.

Tray 2 and 3

 **NOTE:** Use this procedure to remove the Tray 2 or optional Tray 3.

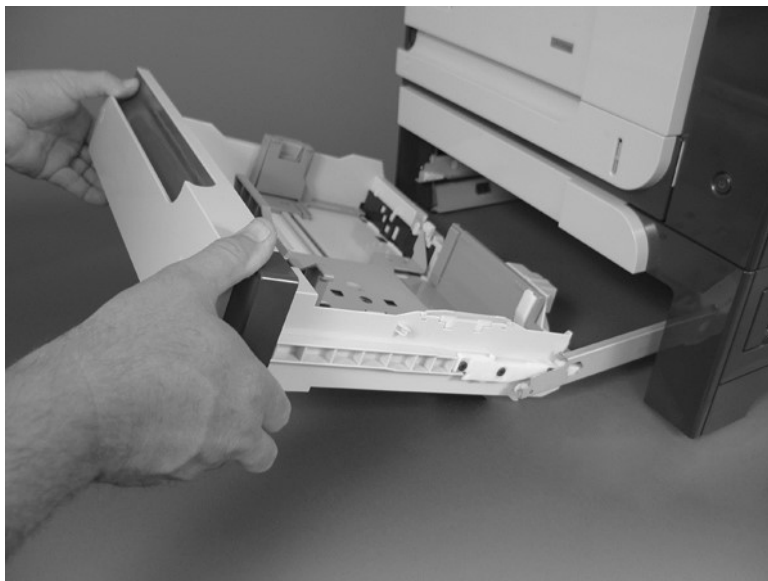
1. Pull the tray straight out of the product until it stops.

Figure 1-21 Remove Tray 2 and 3 (1 of 2)



2. Carefully lift up on the tray to release it, and then remove the tray.

Figure 1-22 Remove Tray 2 and 3 (2 of 2)

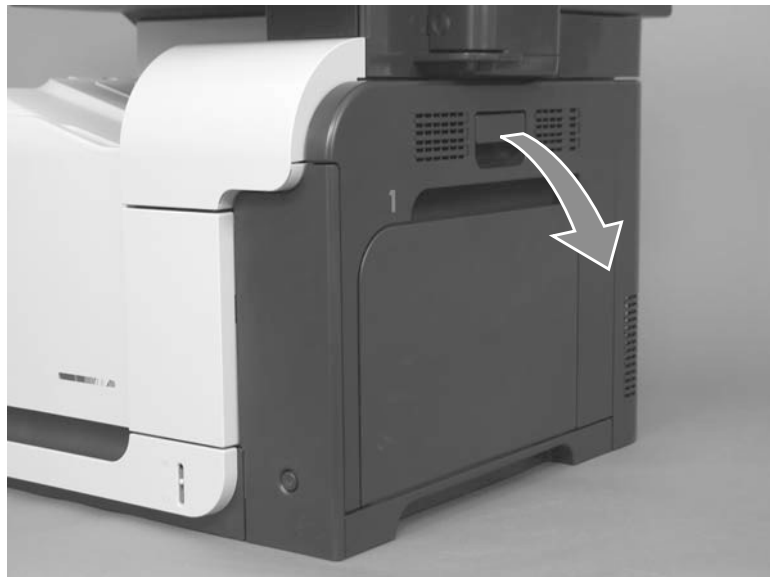


Fuser

⚠ CAUTION: The fuser might be hot. Be careful.

1. Open the right-door assembly.

Figure 1-23 Remove the fuser (1 of 2)



2. Grasp the handles and squeeze the blue release levers.
Pull the fuser straight out of the product to remove it.

Figure 1-24 Remove the fuser (2 of 2)



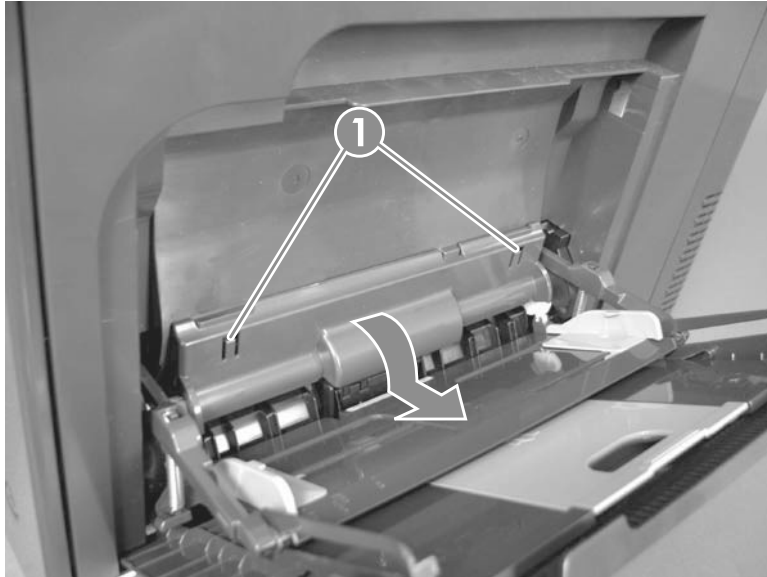
Pickup roller and separation pad (Tray 1)

⚠ CAUTION: Skin oils on the roller or pad can cause paper pickup problems. Wash your hands before removing the roller or pad.

1. Open Tray 1, release two tabs (callout 1), and then rotate the roller cover away from the product to remove it.

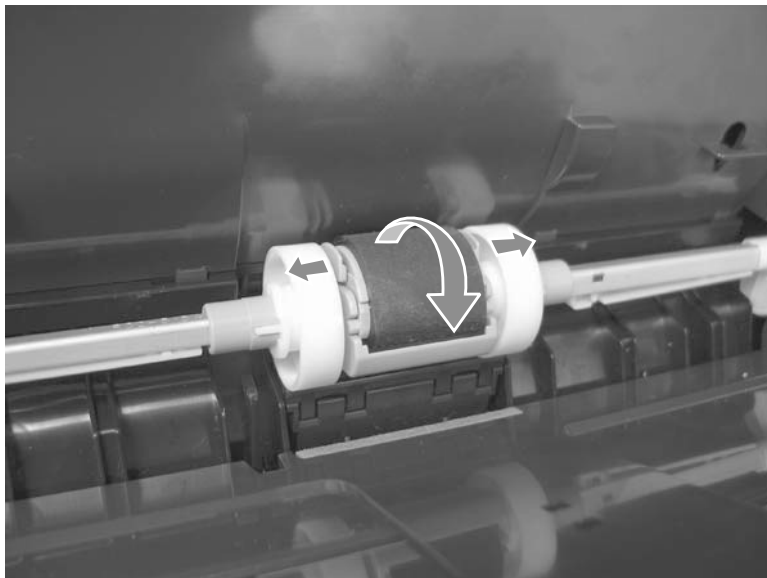
💡 TIP: Push down along the top edge of the cover to easily release the tabs.

Figure 1-25 Remove the pickup roller and separation pad (Tray 1; 1 of 3)



2. Release two tabs and rotate the roller body away from the product to remove it.

Figure 1-26 Remove the pickup roller and separation pad (Tray 1; 2 of 3)



3. Use a small flat blade screwdriver to release two tabs, and then remove the separation pad.


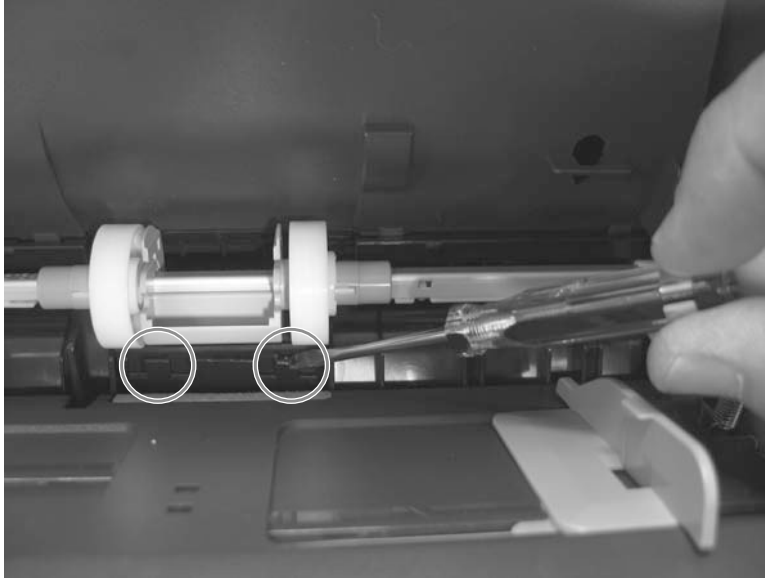
 **TIP:** You might need to slightly depress the spring-loaded separation pad pedestal to remove the pad.

Figure 1-27 Remove the pickup roller and separation pad (Tray 1; 3 of 3)



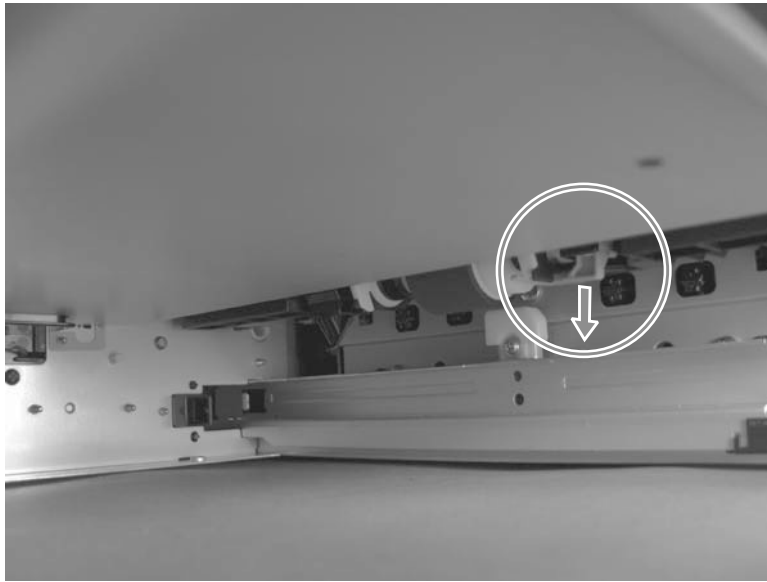
Pickup roller (Tray 2)

⚠ CAUTION: Skin oils on the roller can cause paper pickup problems. Wash your hands before removing the roller.

1. Look up into the Tray 2 cavity (where the tray would be installed), and pull down to release the blue roller-locking lever.

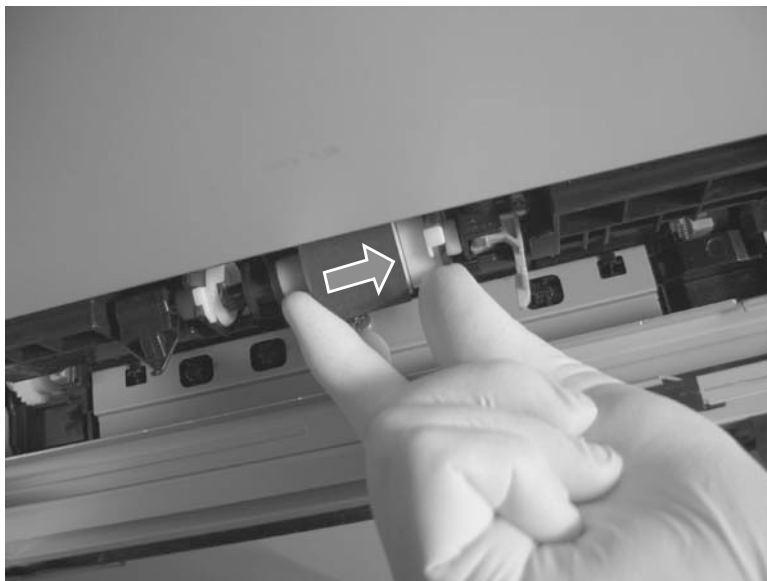
💡 Reinstallation tip When the roller is reinstalled, rotate the roller shaft several times to make sure that the shaft correctly engages the drive mechanism. You should hear a click when the shaft engages the drive mechanism.

Figure 1-28 Remove the pickup roller (Tray 2; 1 of 4)



2. Pull the roller toward the front of the product to release the rear of the roller shaft.

Figure 1-29 Remove the pickup roller (Tray 2; 2 of 4)



3. Rotate the roller shaft down and away from the product, and then slide the roller toward the rear of the product to release the front of the roller shaft.

Figure 1-30 Remove the pickup roller (Tray 2; 3 of 4)



4. Remove the pickup roller.


 **Reinstallation tip** Make sure that the roller is orientated correctly when it is reinstalled (the large white collar should be positioned toward the front of the product).

Figure 1-31 Remove the pickup roller (Tray 2; 4 of 4)



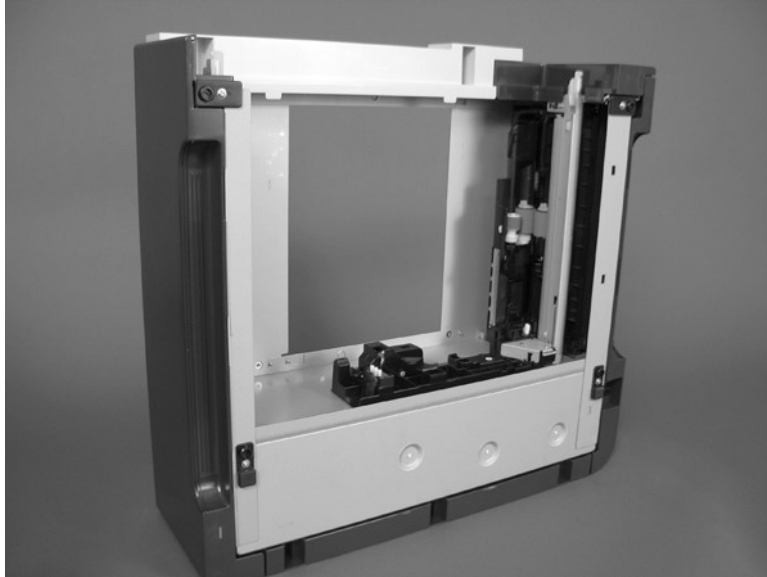
Pickup and feed rollers (Tray 3)

⚠ CAUTION: Skin oils on the roller can cause paper pickup problems. Wash your hands before removing the rollers.

1. Locate the Tray 3 pickup and feed rollers.

💡 TIP: The feeder is shown front side up in this procedure for clarity. You do not have to separate the product from the feeder to remove these rollers. Remove the tray, and then reach up into the cavity to remove the rollers.

Figure 1-32 Remove the Pickup and feed rollers (Tray 3; 1 of 2)



2. Release three tabs (callout 1), and then remove the rollers.


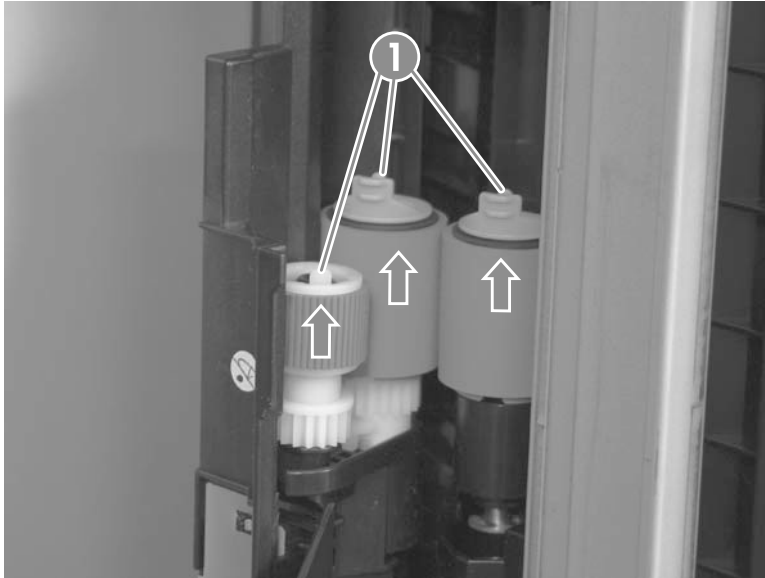
 **Reinstallation tip** When you reinstall the rollers, make sure that the rollers snap into place.

Figure 1-33 Remove the Pickup and feed rollers (Tray 3; 2 of 2)



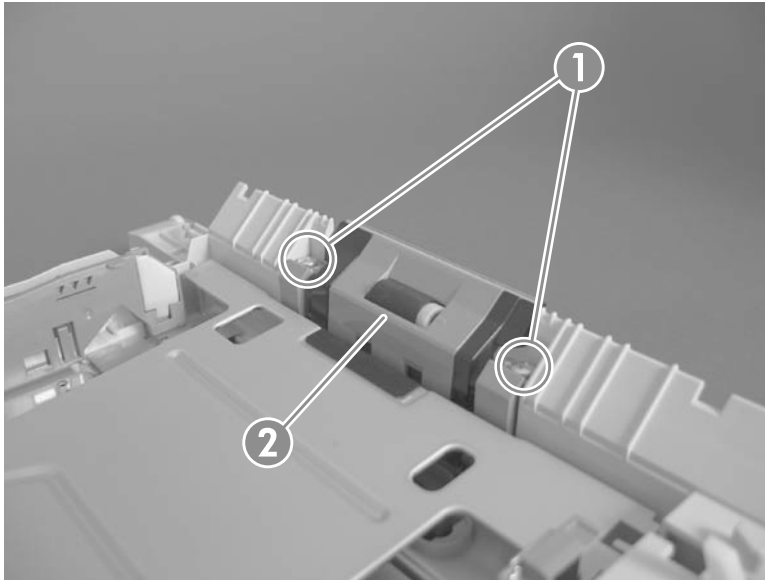
Separation roller (Tray 2)

⚠ CAUTION: Do not touch the spongy roller surface unless you are replacing the roller. Skin oils on the roller can cause paper pickup problems.

📝 NOTE: Remove the Tray 2 if not already removed for service. See [Tray 2 and 3 on page 23](#).

Remove two screws (callout 1), and then remove the separation roller assembly (callout 2).

Figure 1-34 Remove the separation roller (Tray 2)



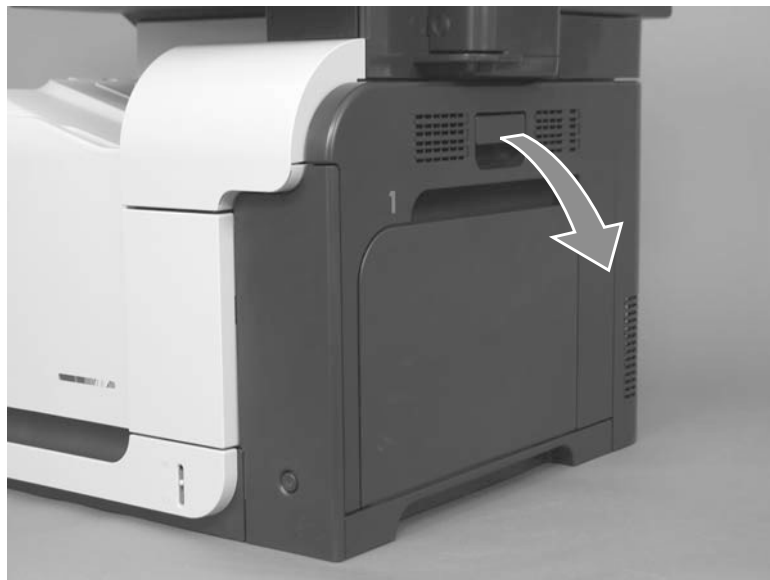
⚠ CAUTION: To install a self-tapping screw, first turn it counterclockwise to align it with the thread pattern, and then carefully turn it clockwise to tighten. Do not overtighten. If a self-tapping screw-hole becomes stripped, repair the screw-hole or replace the affected assembly.

Secondary transfer roller

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

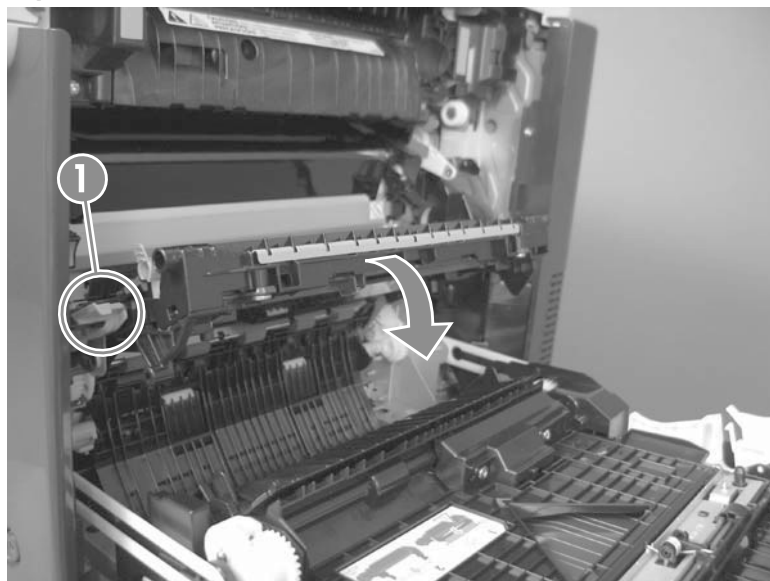
1. Open the right-door assembly.

Figure 1-35 Remove the transfer roller (1 of 3)



2. Use the blue lever (callout 1) to lower the secondary transfer assembly.

Figure 1-36 Remove the transfer roller (2 of 3)



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

Figure 1-37 Remove the transfer roller (3 of 3)



Reinstall the transfer roller

When you reinstall the transfer roller, make sure that the pins on the shaft collars (callout 1) align with the holes in the mounting assembly.

Figure 1-38 Reinstall the transfer roller

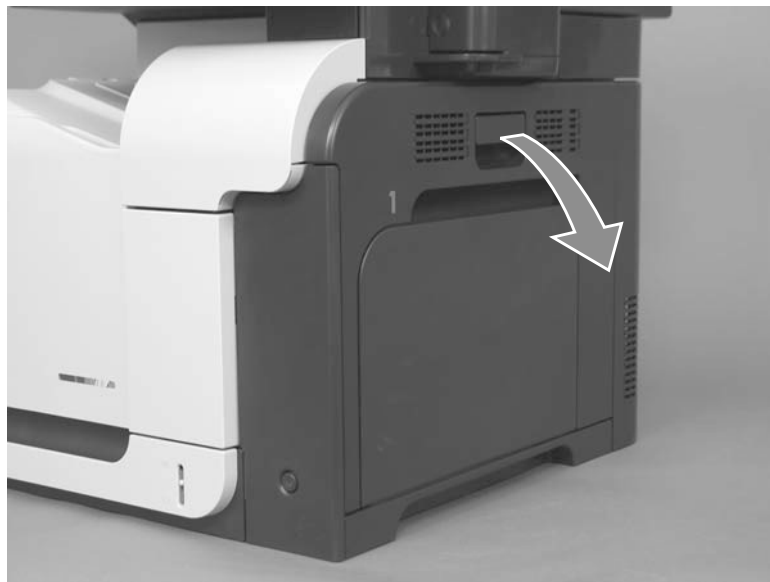


Intermediate transfer belt (ITB)

⚠ CAUTION: Do not touch the black-plastic belt. Skin oils and fingerprints on the belt can cause print-quality problems. Always place the ITB on a flat surface in a safe and protected location.

1. Open the right-door assembly.

Figure 1-39 Remove the fuser (1 of 2)



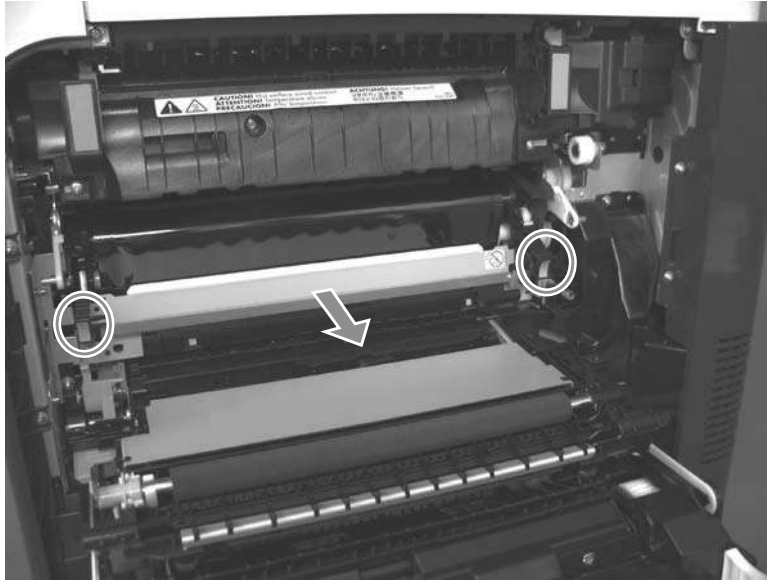
2. Use the blue lever (callout 1) to lower the secondary transfer assembly.

Figure 1-40 Remove the intermediate transfer belt (1 of 3)



3. Grasp the small handles on the ITB and then pull the ITB out of the product until two large handles expand along the right- and left-side of the ITB.

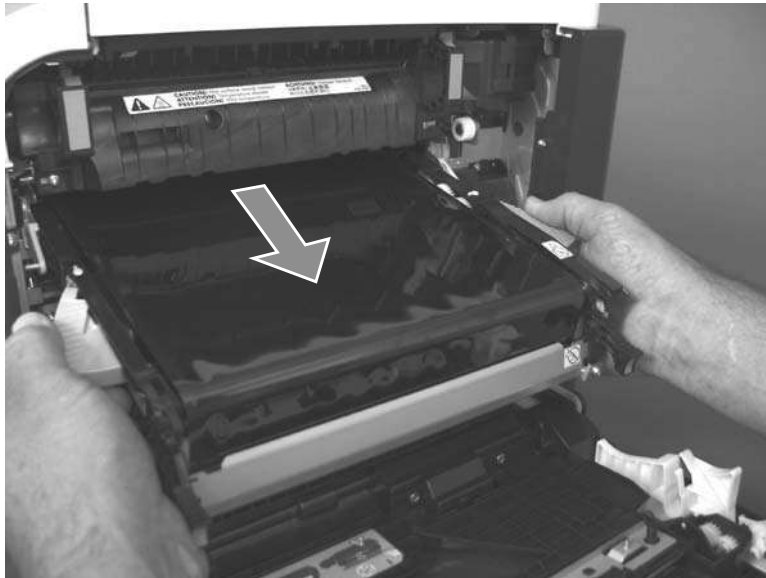
Figure 1-41 Remove the intermediate transfer belt (2 of 3)



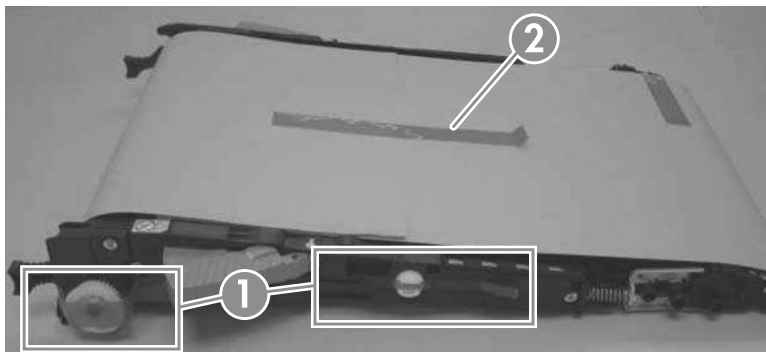
4. Grasp the large handles on the ITB and then pull the ITB straight out of the product to remove it.

⚠ CAUTION: The ITB is a sensitive component. Be careful when handling the ITB so that it is not damaged. Always place the ITB in a safe and protected location.

Figure 1-42 Remove the intermediate transfer belt (3 of 3)



💡 Reinstallation tip If you are installing a replacement ITB, make sure that you remove all of the packing tape (callout 1) and the protective cover sheet (callout 2).



Front-door assembly

1. Open the front door.

Figure 1-43 Remove the front-door assembly (1 of 2)



2. Remove two screws (callout 1), and then remove the front-door assembly.


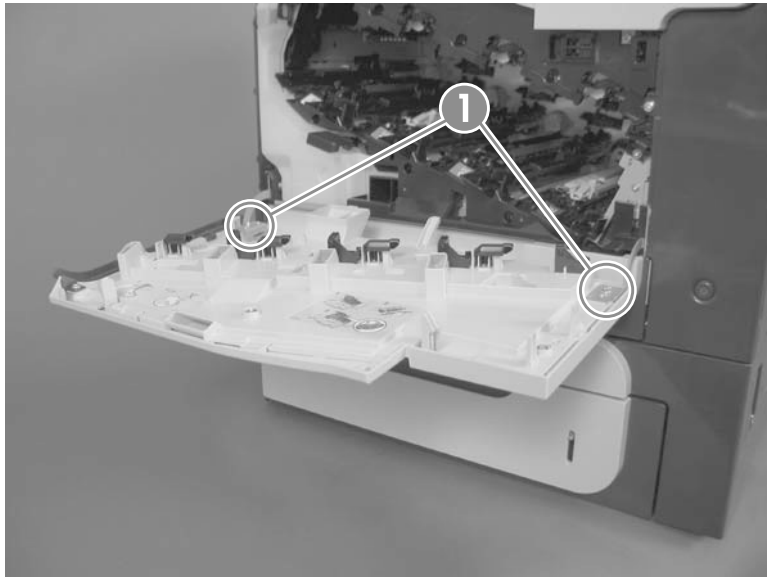
 **NOTE:** A small sheet-metal bracket on the left side of the door is not captive. Do not lose the bracket when you remove the screw.

Figure 1-44 Remove the front-door assembly (2 of 2)

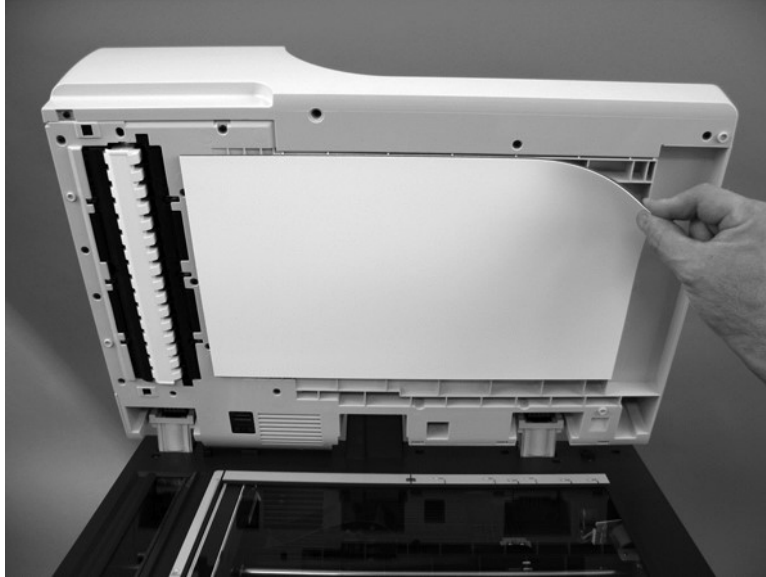


3. If you are installing a replacement front-door assembly, install the HP name tag and the appropriate product model number tag on the assembly.

Foam reflector kit

1. Open the document feeder.
2. Carefully peel the foam reflector from the document feeder.

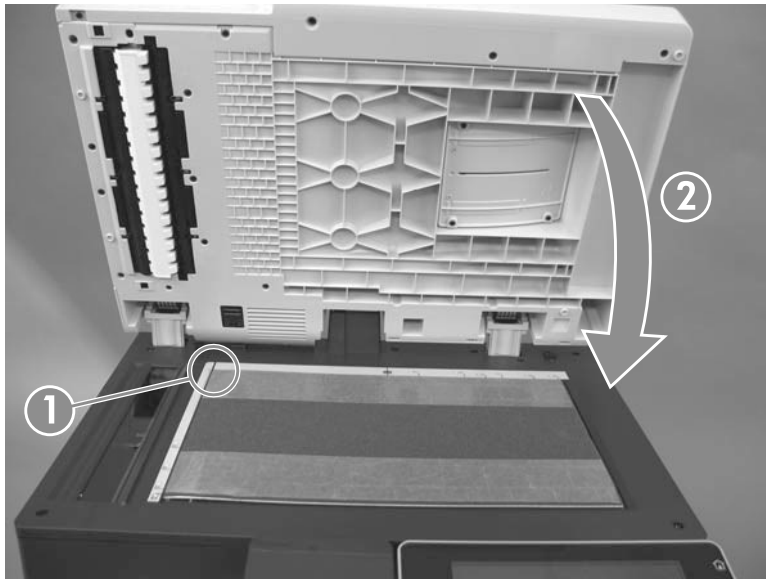
Figure 1-45 Remove the foam reflector kit (1 of 2)



Reinstall the foam reflector

- ▲ Place the foam reflector on the scanner glass with the adhesive facing up. Make sure the corner of the foam reflector is aligned with the corner of the scanner glass (callout 1). Close the document feeder (callout 2) to attach the foam reflector. Open the document feeder and then press firmly on the foam reflector to ensure it is securely attached.

Figure 1-46 Reinstall the foam reflector

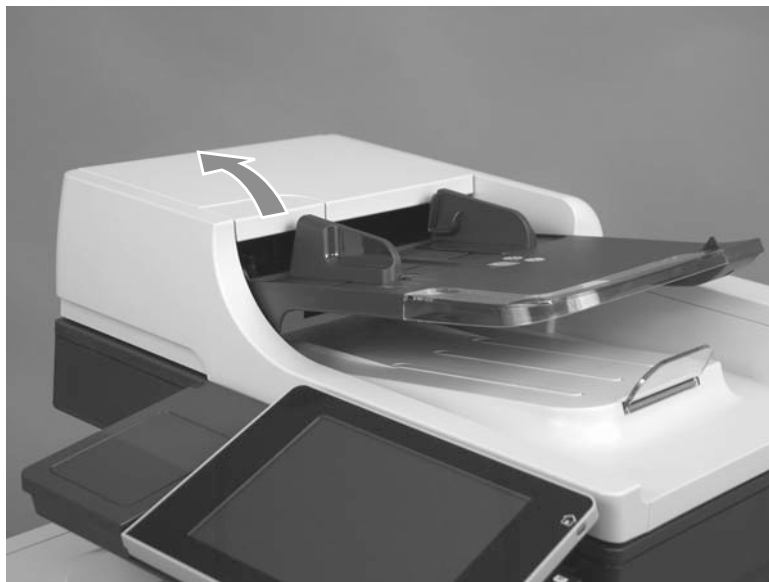


Document feeder pickup roller

⚠ CAUTION: Do not touch the surface of the roller. Skin oils deposited on the roller might cause print-quality problems.

1. Open the jam-access cover.

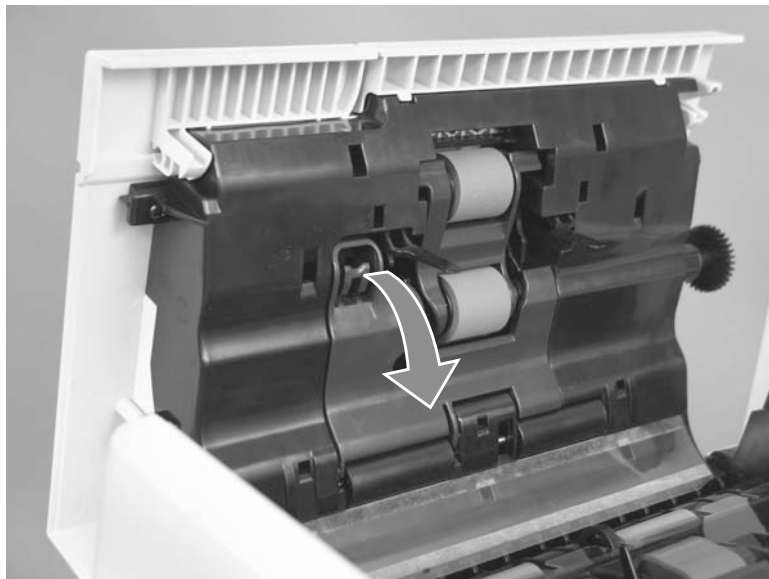
Figure 1-47 Remove the document feeder pickup roller (1 of 4)



2. Open the roller-access cover.

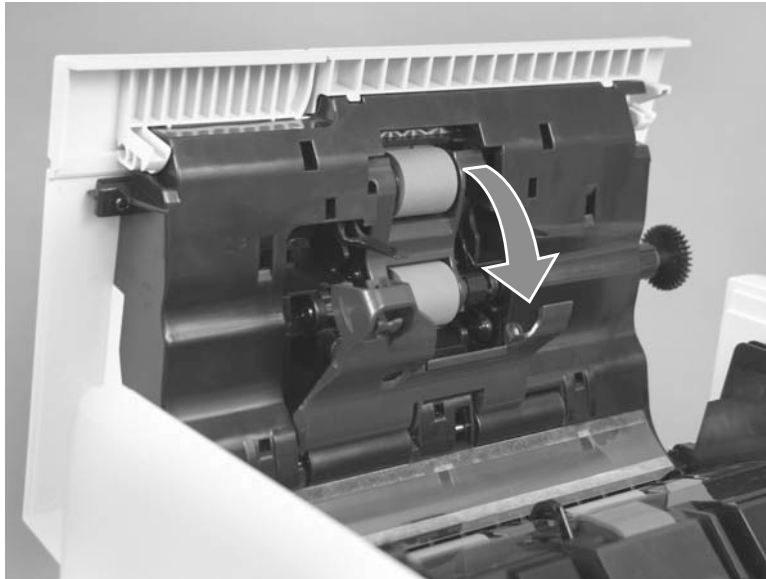
💡 Reinstallation tip Make sure that this cover is fully closed after installing a replacement roller. Push against the upper part of the cover until it clicks into place. If the cover is not fully closed, jams and mispicks can occur.

Figure 1-48 Remove the document feeder pickup roller (2 of 4)



3. Lower the document feeder pickup roller.

Figure 1-49 Remove the document feeder pickup roller (3 of 4)



4. Slide the roller toward the front of the product to remove.


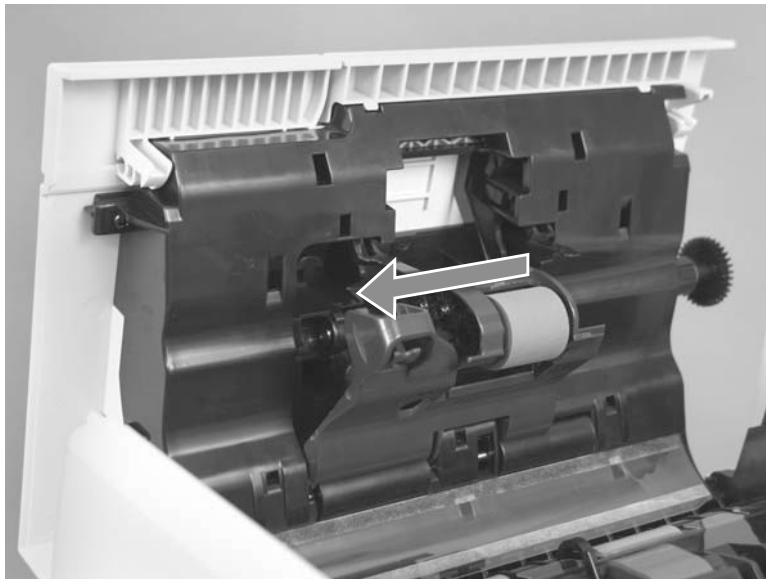
 **TIP:** The roller assembly is keyed. When reinstalling the roller assembly, position the hex-shaped fitting on the shaft toward the rear of the product.

Figure 1-50 Remove the document feeder pickup roller (4 of 4)

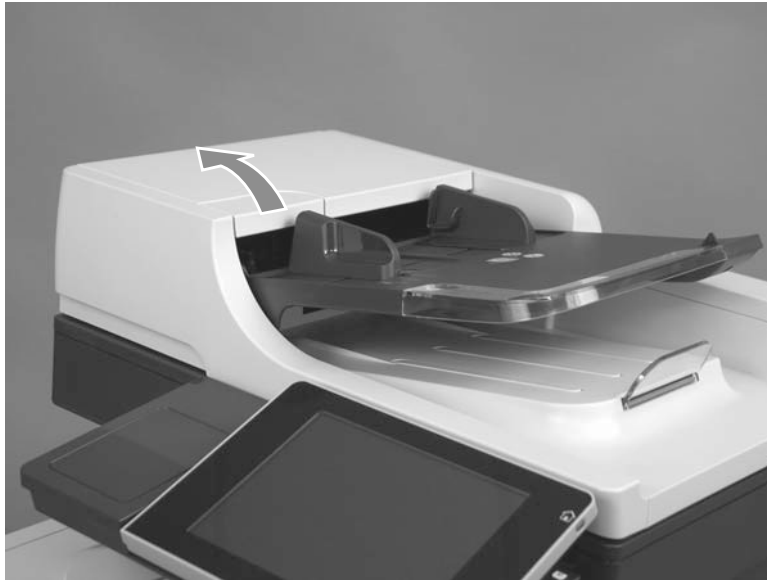


Document feeder separation pad and spring

⚠ CAUTION: Do not touch the surface of the roller. Skin oils deposited on the roller might cause print-quality problems.

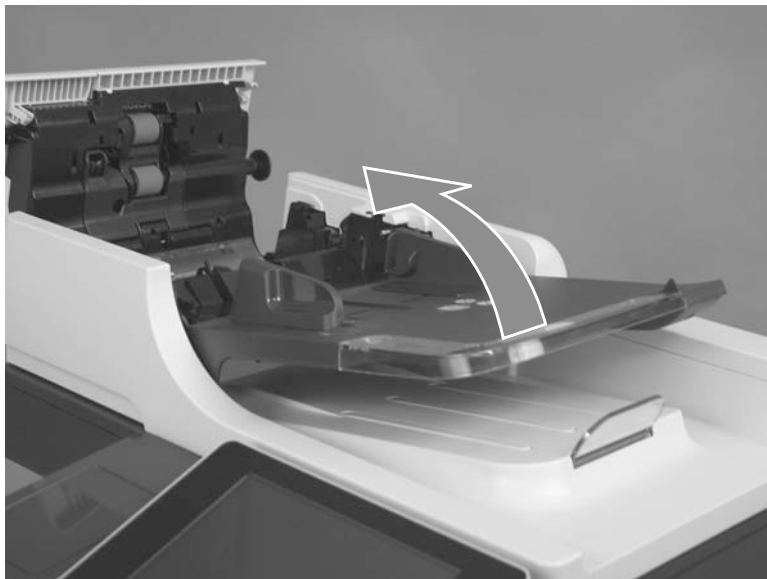
1. Open the jam-access cover.

Figure 1-51 Remove the document feeder separation pad and separation pad spring (1 of 5)



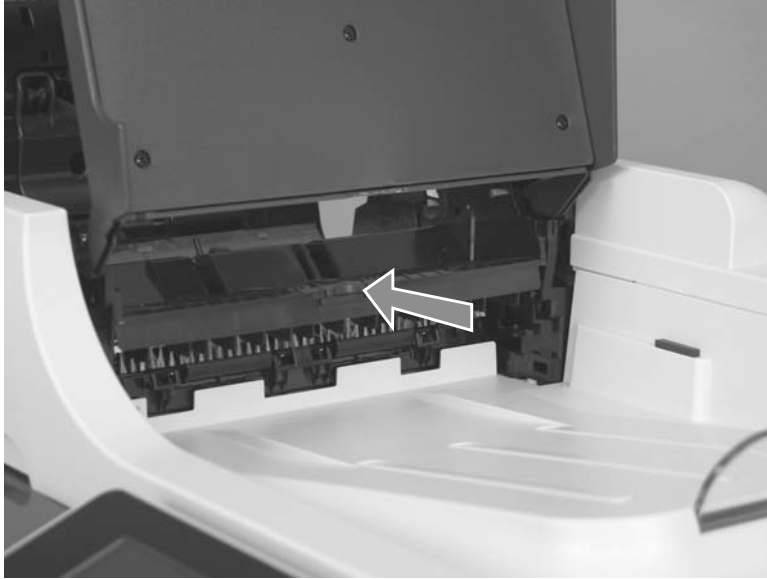
2. Lift the document feeder tray.

Figure 1-52 Remove the document feeder separation pad and separation pad spring (2 of 5)



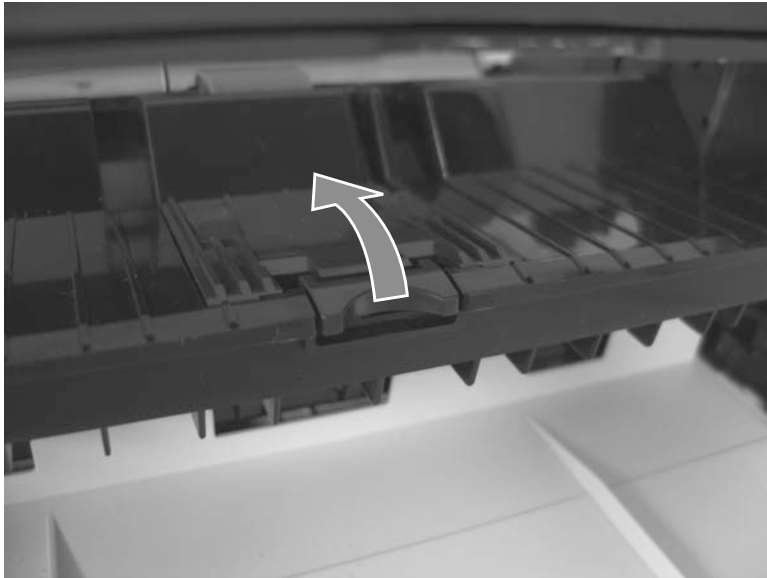
3. Push in on the latch to release the separation pad.

Figure 1-53 Remove the document feeder separation pad and separation pad spring (3 of 5)



4. Lower the document tray, and then lift the separation pad.

Figure 1-54 Remove the document feeder separation pad and separation pad spring (4 of 5)



5. Remove the separation pad and spring.

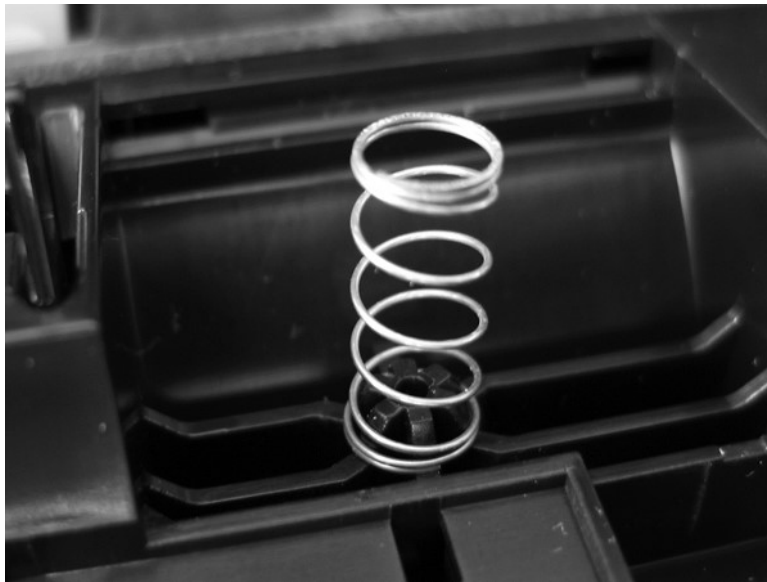
Figure 1-55 Remove the document feeder separation pad and separation pad spring (5 of 5)



Reinstall the document feeder separation pad spring

- ▲ Make sure to securely reinstall the spring if it becomes dislodged.

Figure 1-56 Reinstall the document feeder separation pad spring

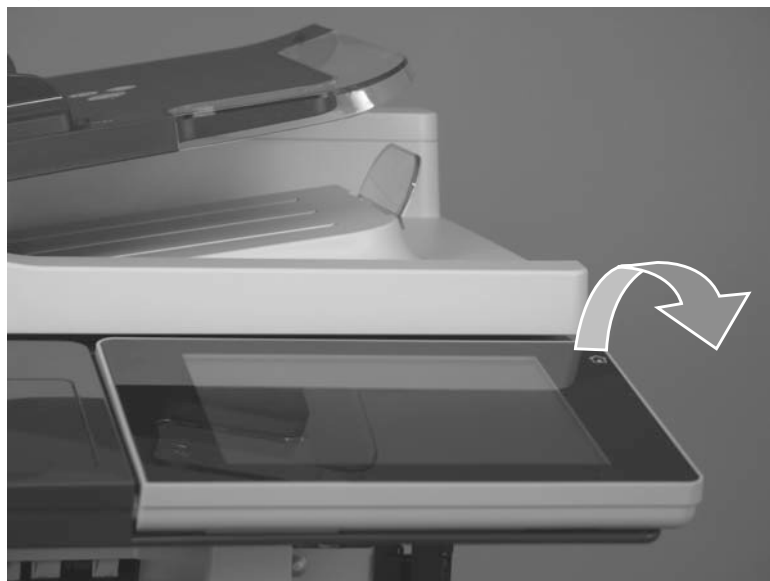


Control panel

⚠ WARNING!  ESD sensitive component.

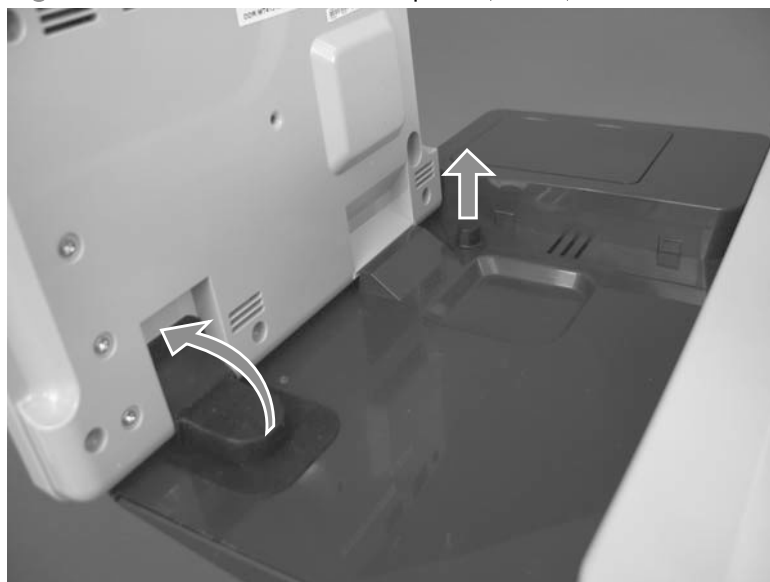
1. Lift the control panel to an upright position.

Figure 1-57 Remove the control panel (1 of 5)



2. Lift the antistatic covers to reveal the thumbscrews.

Figure 1-58 Remove the control panel (2 of 5)



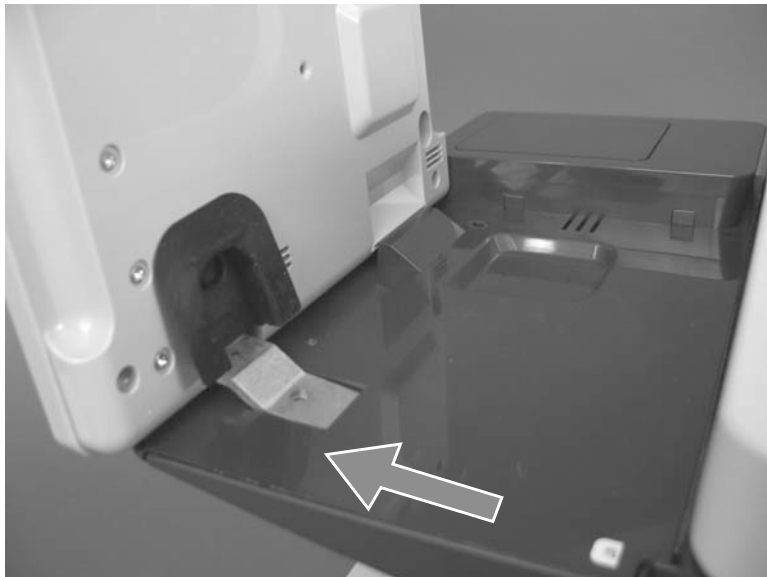
3. Remove two thumbscrews.

Figure 1-59 Remove the control panel (3 of 5)



4. Slowly slide the control panel away from the product to release it. Lift the control panel to reveal the connectors.

Figure 1-60 Remove the control panel (4 of 5)



5. Disconnect two connectors and then remove the control panel.

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



Reinstalling the control panel

- ▲ Place the control-panel on the product and reconnect the two connectors before attempting to reinstall the control panel.



Control-panel assembly (M575c model)

⚠ WARNING!  ESD sensitive component.

Important removal considerations

Review the following important considerations before removing the control panel on the M575c product.

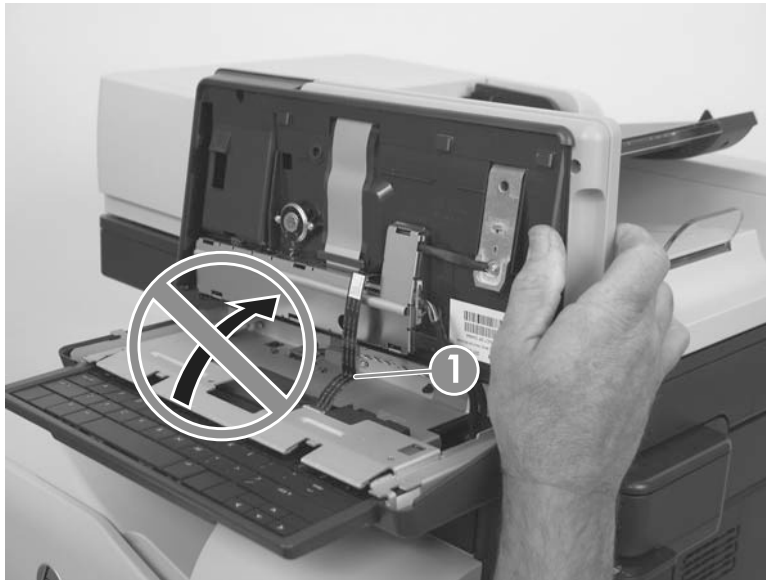
When removing the control panel, only raise it about half way open to access the FFC connector. Doing so prevents straining the control-panel FFC (callout 1).

Figure 1-62 Raising the control panel to access the FFC connector (1 of 2)



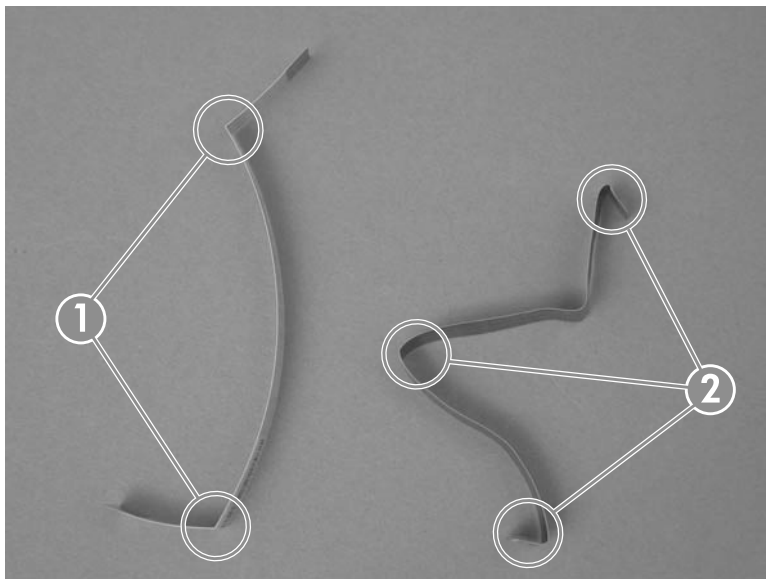
When removing the control panel, **do not** fully raise the control panel to access the FFC connector. Doing so causes strain damage to the FFC (callout 1).

Figure 1-63 Raise the control panel to access the FFC connector (2 of 2)



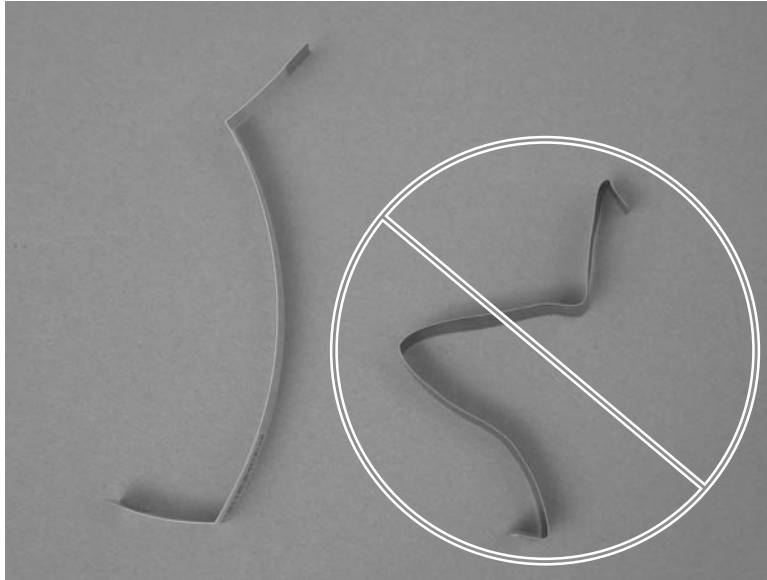
The FFC has two pre-folds about 2.54 cm (1.0 in) from either end (callout 1). If the FFC has been strained (for example stretched too tight when the control panel is removed), it might contain additional folds or creases (callout 2). Additional folds or creases can cause internal damage to the FFC when the keyboard is pulled in and out of the product.

Figure 1-64 Check the control panel FFC for damage (1 of 2)



Do not bend or fold the flat flexible cable (FFC) during removal or installation. Also, do not straighten pre-folds in the FFCs.

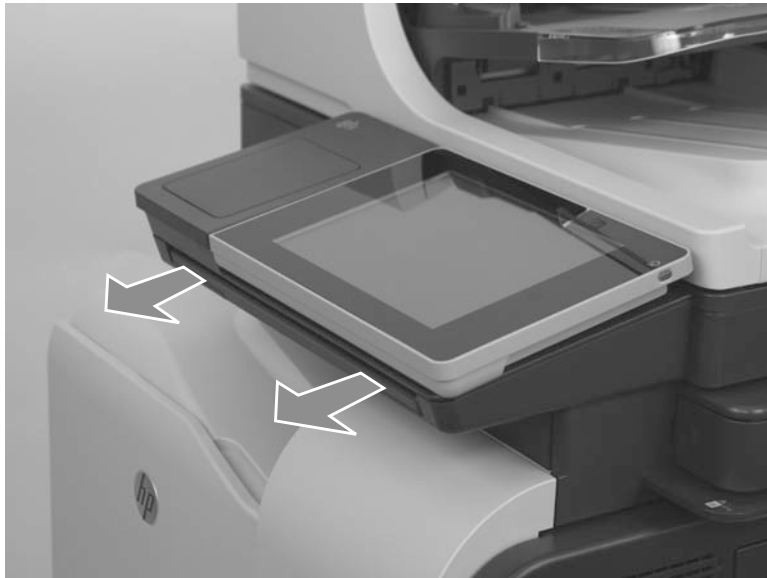
Figure 1-65 Check the control panel FFC for damage (2 of 2)



Remove the control-panel assembly

1. Pull the keyboard about half way out of the product.

Figure 1-66 Remove the control-panel assembly (1 of 13)



2. Align the caps lock key and enter key with the edge of the control panel.

Figure 1-67 Remove the control-panel assembly (2 of 13)



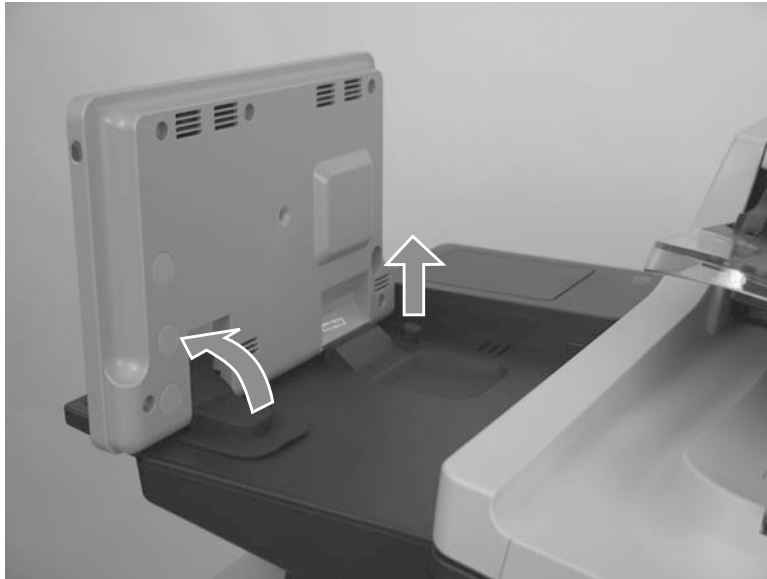
3. Lift the control-panel assembly to an upright position.

Figure 1-68 Remove the control-panel assembly (3 of 13)



4. Remove the antistatic covers to reveal the thumbscrews.

Figure 1-69 Remove the control-panel assembly (4 of 13)



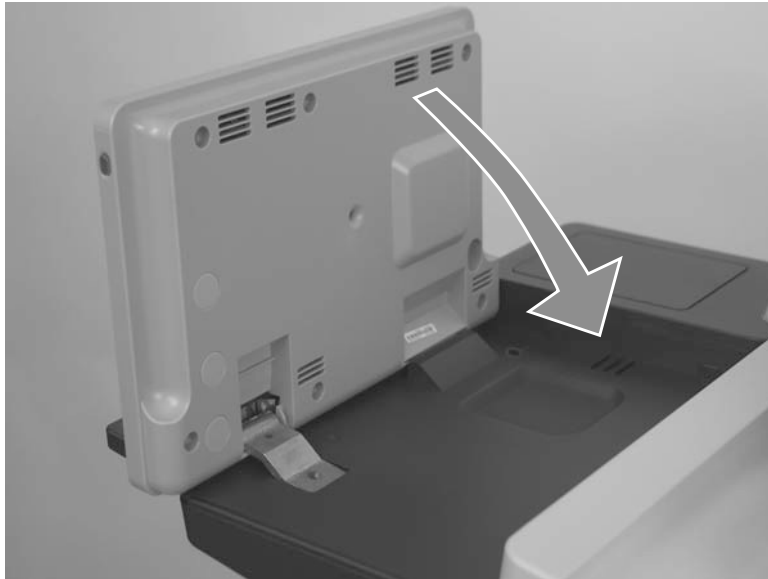
5. Remove two thumbscrews.

Figure 1-70 Remove the control-panel assembly (5 of 13)



6. Carefully return the control-panel assembly to the down position.

Figure 1-71 Remove the control-panel assembly (6 of 13)



7. Pull down on the control-panel assembly until it stops.

Figure 1-72 Remove the control-panel assembly (7 of 13)



8. Slightly lift up the control-panel assembly to access the FFC-keyboard connector.

⚠ CAUTION: To avoid damage to the FFC, do not fully raise the control panel assembly.

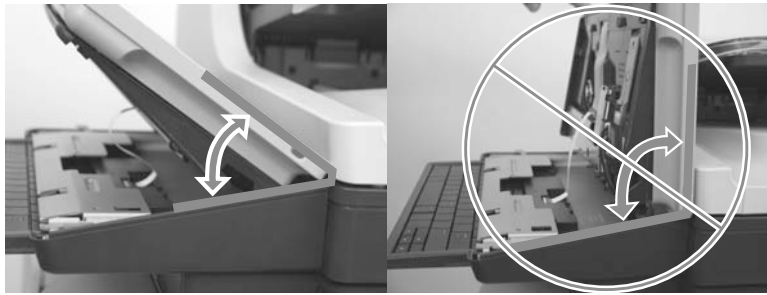


Figure 1-73 Remove the control-panel assembly (8 of 13)



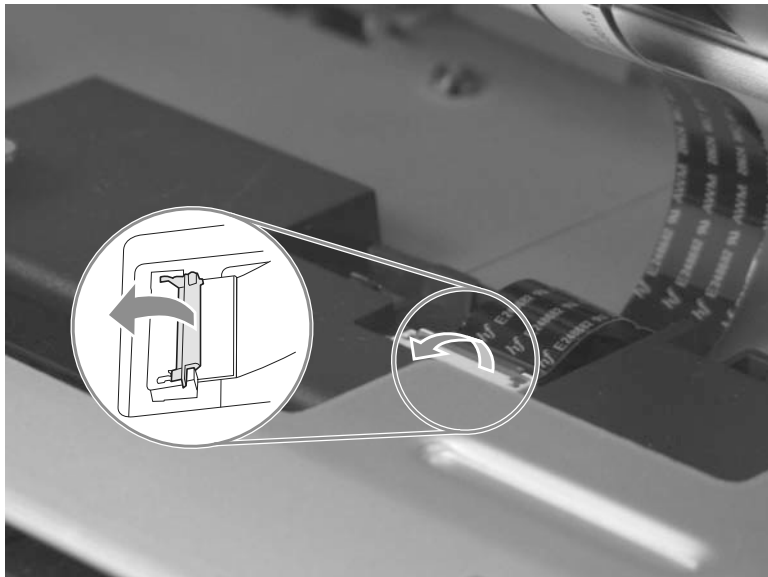
9. Locate the FFC connector on the keyboard.

Figure 1-74 Remove the control-panel assembly (9 of 13)



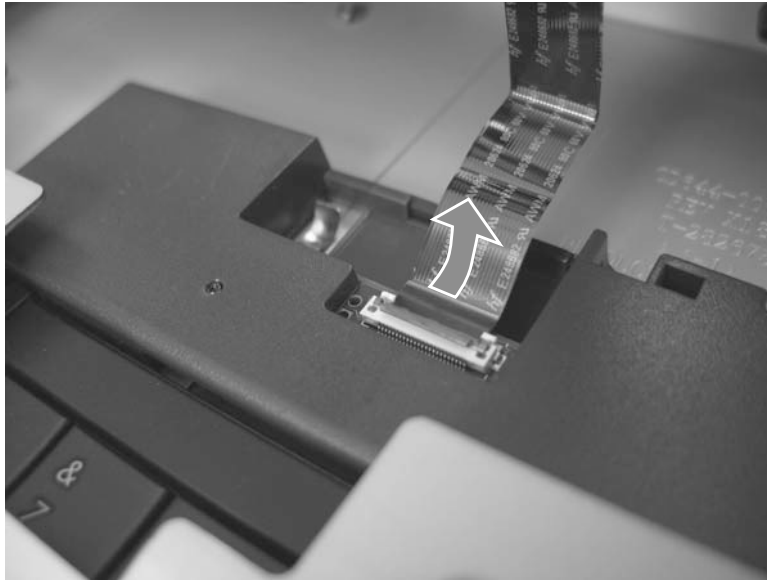
10. Carefully lift up on the connector retainer to release the FFC.

Figure 1-75 Remove the control-panel assembly (10 of 13)



11. Remove the FFC from the connector on the keyboard.

Figure 1-76 Remove the control-panel assembly (11 of 13)



12. With the FFC disconnected from the keyboard, lift up on the control panel to access the remaining connectors. Disconnect the USB and wire harness connectors (callout 1).

Figure 1-77 Remove the control-panel assembly (12 of 13)



13. Remove the control-panel assembly.

Figure 1-78 Remove the control-panel assembly (13 of 13)



Reinstall the control-panel assembly

1. Position the control panel on the product. Connect the USB and wire harness connectors (callout 1).

Figure 1-79 Reinstall the control-panel assembly (1 of 13)



2. After connecting the USB and wire harness connectors, position the control-panel about half way open to connect the FFC connector.

Figure 1-80 Reinstall the control-panel assembly (2 of 13)



3. Insert the FFC in the keyboard connector.

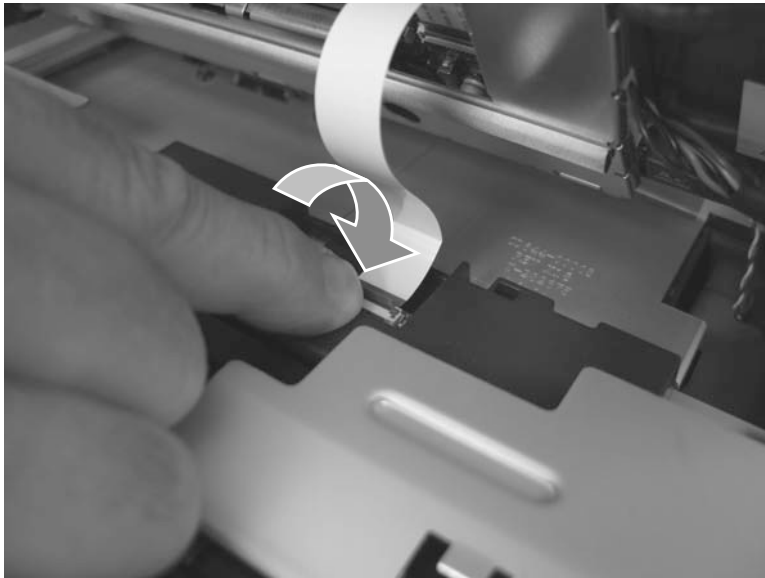
Figure 1-81 Reinstall the control-panel assembly (3 of 13)



4. Use your finger to carefully close the connector retainer to lock the FFC in place.

⚠ CAUTION: Be careful. The connector retainer can be dislodged from the connector body. Do not dislodge the retainer when closing it.

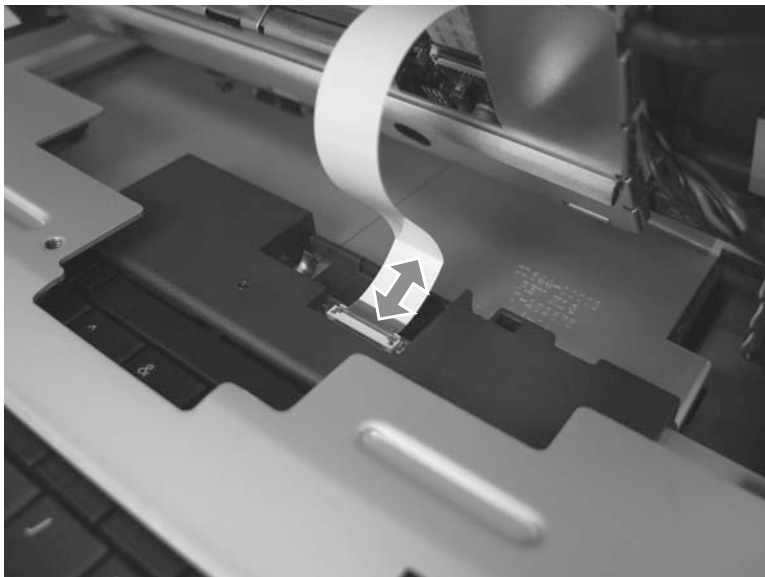
Figure 1-82 Reinstall the control-panel assembly (4 of 13)



5. Slightly pull on the FFC to verify that it is securely fastened in the connector.

⚠ CAUTION: Be careful. Do not use your full force to pull on the FFC. A slight pull on the FFC is sufficient to verify that it is securely fastened.

Figure 1-83 Reinstall the control-panel assembly (5 of 13)



6. When the control-panel assembly is reinstalled on the product, make sure that the mounting hooks on the right side of the assembly engage with the slot and tab on the chassis.

Figure 1-84 Reinstall the control-panel assembly (6 of 13)



7. When the control-panel assembly is reinstalled on the product, make sure that the mounting slots on the left side of the assembly engage with the hooks on the chassis.

Figure 1-85 Reinstall the control-panel assembly (7 of 13)



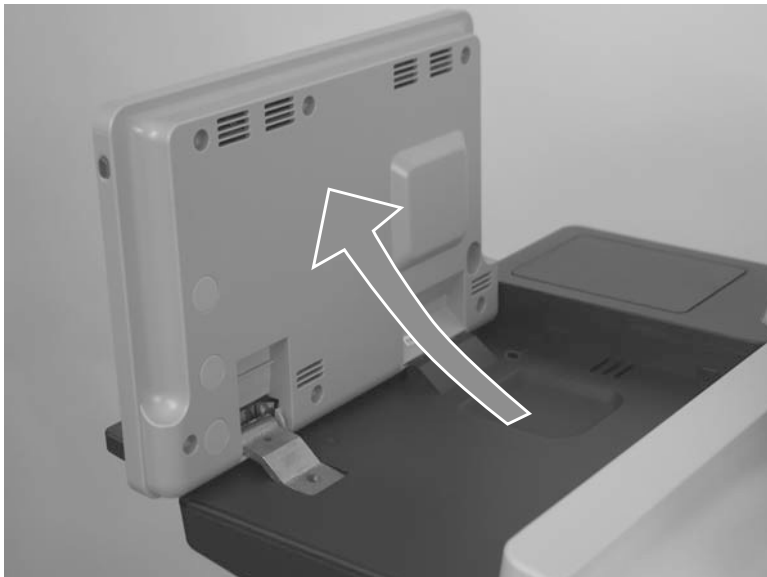
8. Reinstall the control-panel assembly on the product, and then push it up to engage the assembly with the chassis.

Figure 1-86 Reinstall the control-panel assembly (8 of 13)



9. Carefully place the control-panel assembly in the raised position.

Figure 1-87 Reinstall the control-panel assembly (9 of 13)



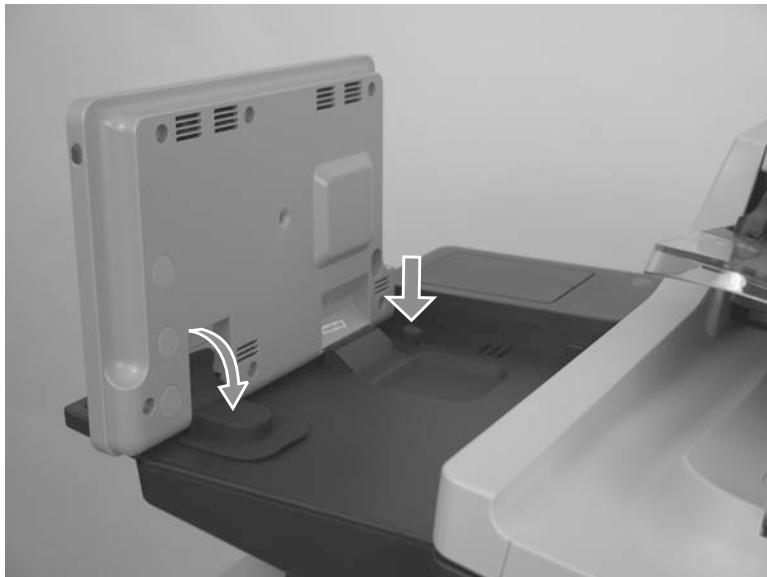
10. Install two thumbscrews.

Figure 1-88 Reinstall the control-panel assembly (10 of 13)



11. Install the antistatic covers.

Figure 1-89 Reinstall the control-panel assembly (11 of 13)



12. Lower the control-panel assembly.

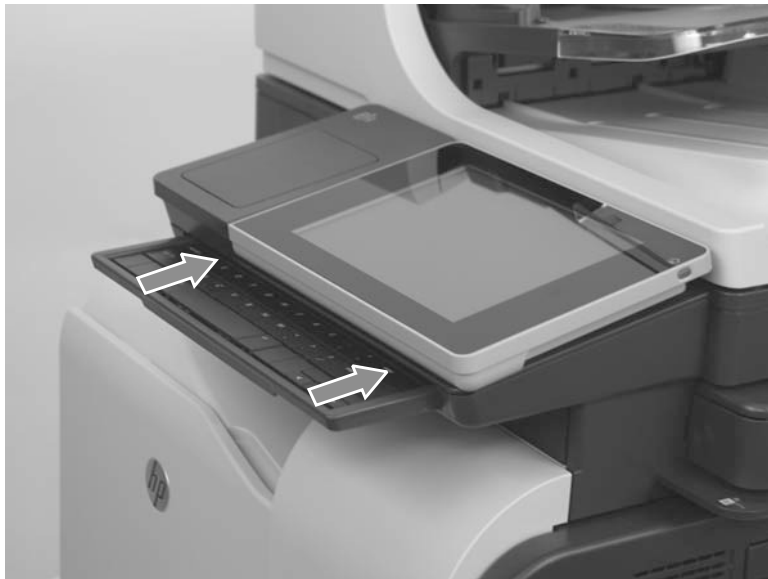
Figure 1-90 Reinstall the control-panel assembly (12 of 13)



13. Slide the keyboard back into the product.

 **TIP:** Slide the keyboard in and out of the product to verify that the FFC is not binding under the control-panel assembly.

Figure 1-91 Remove the control-panel assembly (13 of 13)



Control-panel assembly to keyboard FFC (M575c model)

Before proceeding, remove the following assemblies

- Control-panel assembly. See [Control-panel assembly \(M575c model\) on page 47](#).

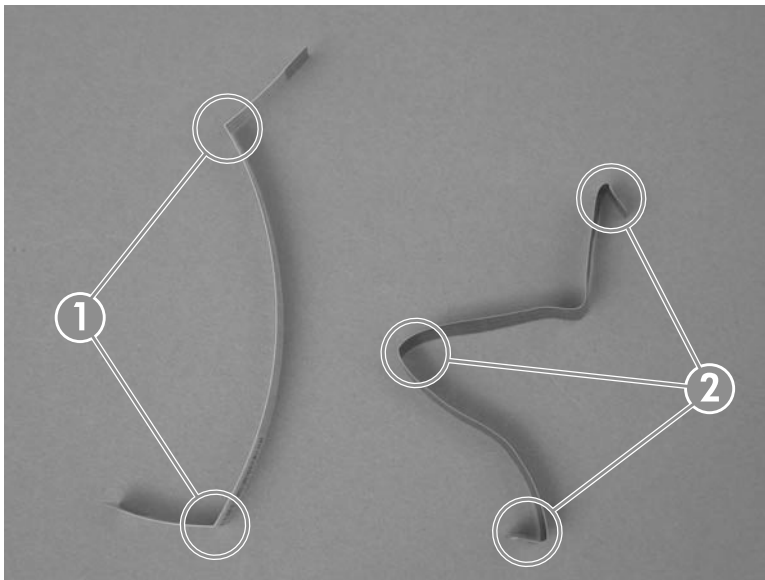
Important considerations

The FFC has two prefolds about 2.54 cm (1.0 in) from either end (callout 1). If the FFC has been strained (for example stretched too tight when the control panel is removed), it might contain additional folds or creases (callout 2).

Additional folds or creases can cause internal damage to the FFC when the keyboard is pulled in and out of the product.

Replace the FFC if it is damaged.

Figure 1-92 Control-panel assembly to keyboard FFC



Remove the control-panel assembly to keyboard FFC

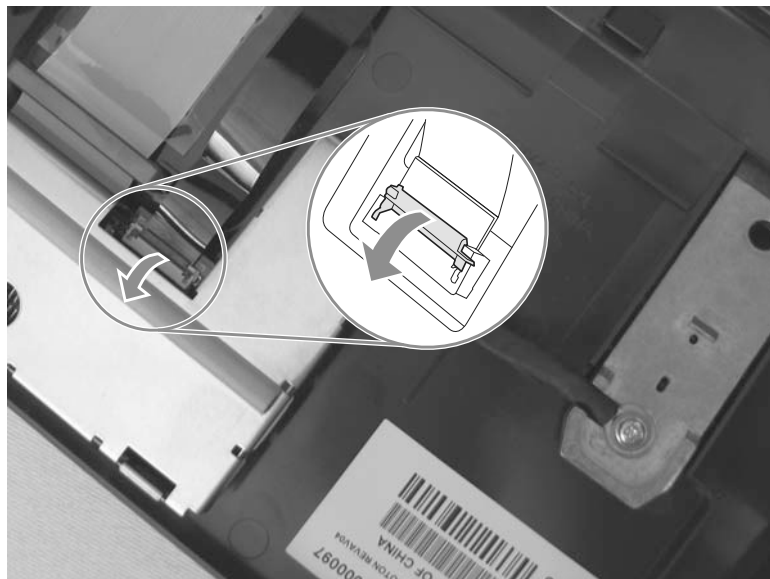
1. Turn the control-panel assembly over, and then locate the FFC connector.

Figure 1-93 Remove the control-panel assembly to keyboard FFC (1 of 3)



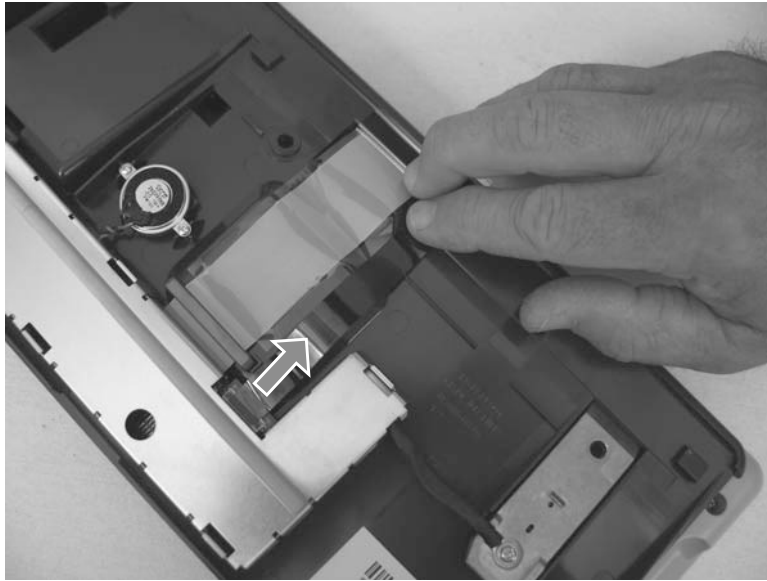
2. Hold the FFC out of the way, and then carefully lift up on the connector retainer to release the FFC.

Figure 1-94 Remove the control-panel assembly to keyboard FFC (2 of 3)



3. Remove the FFC from the connector on the control-panel assembly.

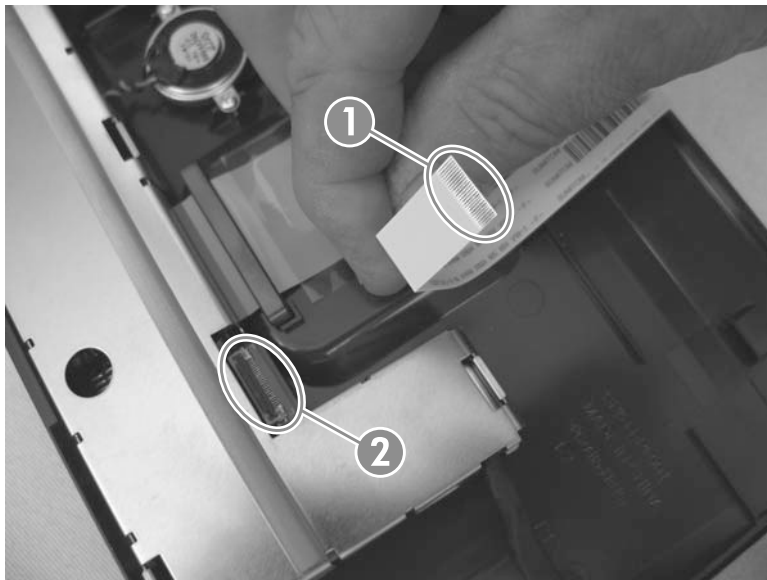
Figure 1-95 Remove the control-panel assembly to keyboard FFC (3 of 3)



Reinstall the control-panel assembly to keyboard FFC

1. Verify that the contact side of the replacement FFC (callout 1) is placed against the contacts in the connector (callout 2) when the FFC is installed.

Figure 1-96 Reinstall the control-panel assembly to keyboard FFC (1 of 4)



2. Insert the FFC in the control-panel connector.

Figure 1-97 Reinstall the control-panel assembly to keyboard FFC (2 of 4)



3. Use your finger to carefully close the connector retainer to lock the FFC in place.

CAUTION: Be careful. The connector retainer can be dislodged from the connector body. Do not dislodge the retainer when closing it.

Figure 1-98 Reinstall the control-panel assembly to keyboard FFC (3 of 4)



4. Slightly pull on the FFC to verify that it is securely fastened in the connector.

⚠ CAUTION: Be careful. Do not use your full force to pull on the FFC. A slight pull on the FFC is sufficient to verify that it is securely fastened.

Figure 1-99 Reinstall the control-panel assembly to keyboard FFC (4 of 4)



Keyboard assembly (M575c model)

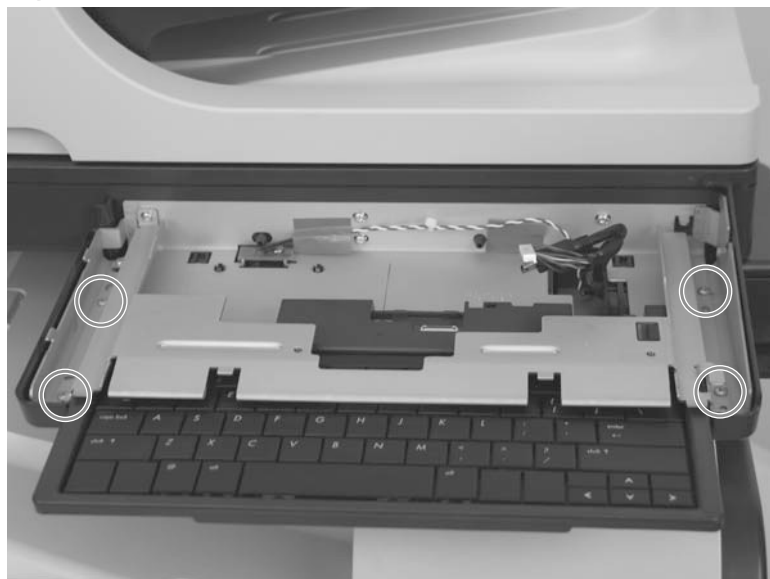
Before proceeding, remove the following assemblies

- Control-panel assembly. See [Control-panel assembly \(M575c model\)](#) on page 47.

Remove the keyboard assembly

1. Remove four screws.

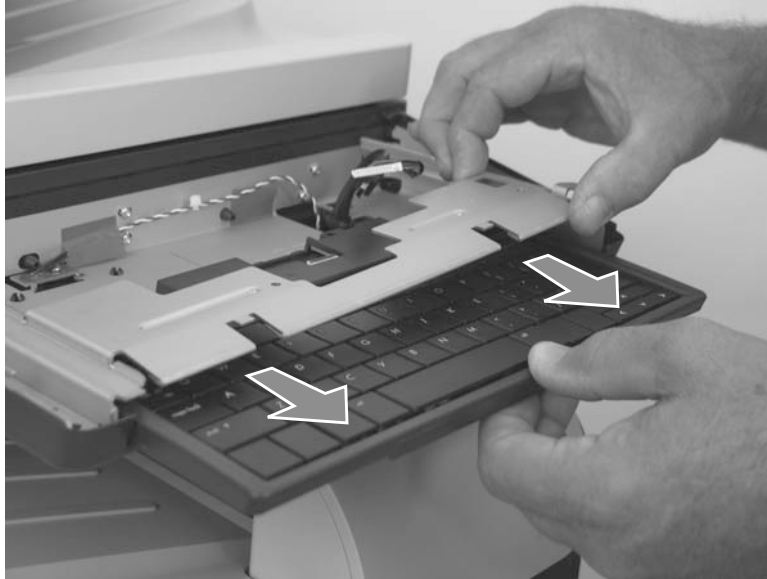
Figure 1-100 Remove the keyboard assembly (1 of 7)



2. Slightly lift up the sheet-metal bracket, and then slide the keyboard away from the product to remove it.

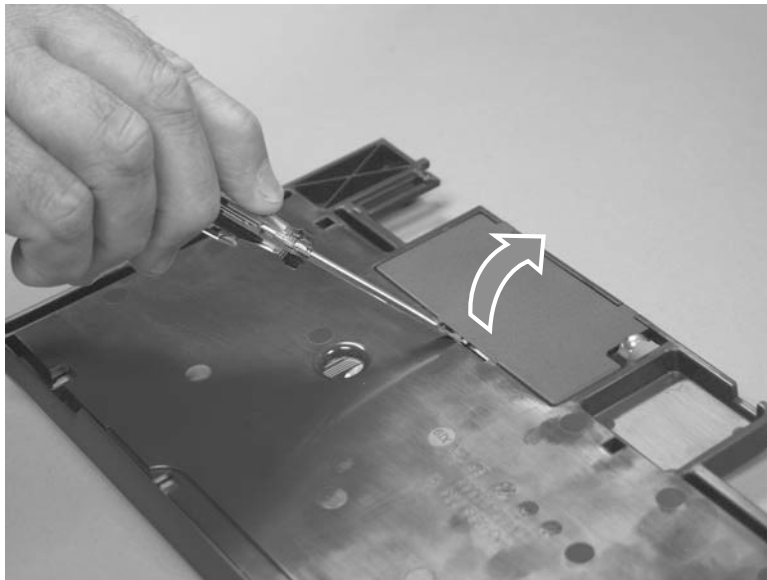
⚠ CAUTION: The sheet metal bracket is still attached to the product by one screw. Avoid damaging or bending the bracket by only lifting it up enough to release the keyboard.

Figure 1-101 Remove the keyboard assembly (2 of 7)



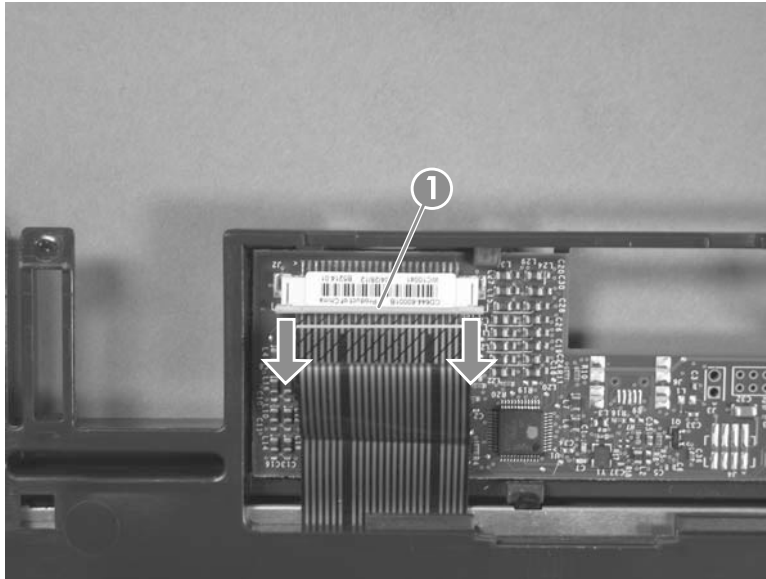
3. Turn the assembly over, and then remove the access door.

Figure 1-102 Remove the keyboard assembly (3 of 7)



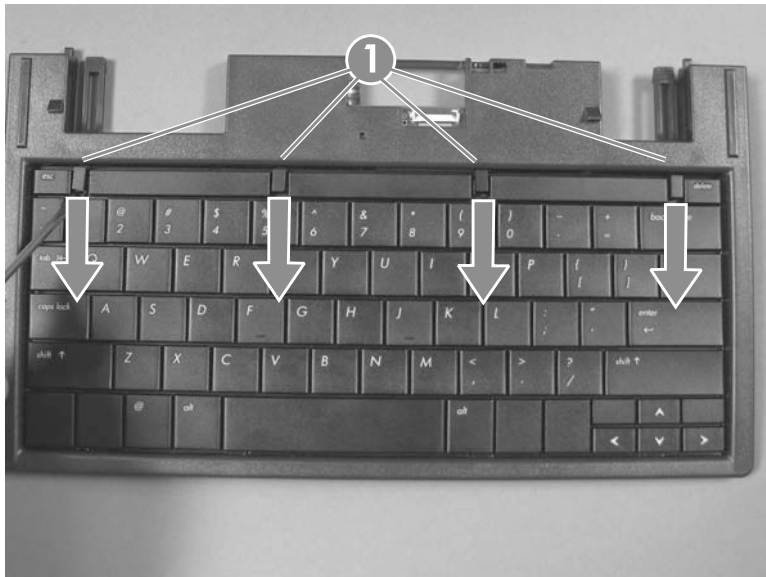
4. Release the retainer lock (callout 1), and then disconnect one FFC.

Figure 1-103 Remove the keyboard assembly (4 of 7)




5. Turn the assembly over, and then push the four retainer clips (callout 1) toward the keyboard to release them.

Figure 1-104 Remove the keyboard assembly (5 of 7)

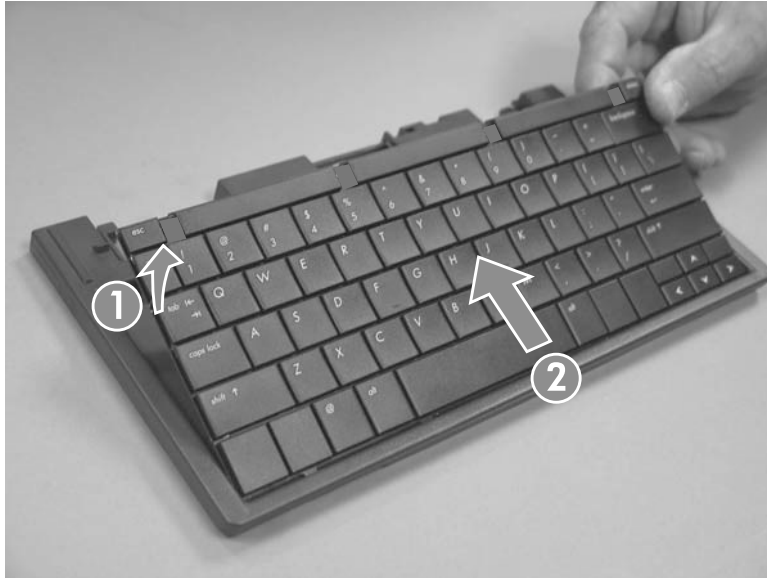


6. Rotate the top of the keyboard away from the tray, and then slide it up to release it.

 **NOTE:** The keyboard is still attached to the tray. Do not attempt to completely remove it.

 **TIP:** Push your finger through the hole provided in the back side of the tray to lift the keyboard.

Figure 1-105 Remove the keyboard assembly (6 of 7)



7. Thread the FFC through the hole in the tray, and then remove the keyboard.

Figure 1-106 Remove the keyboard assembly (7 of 7)



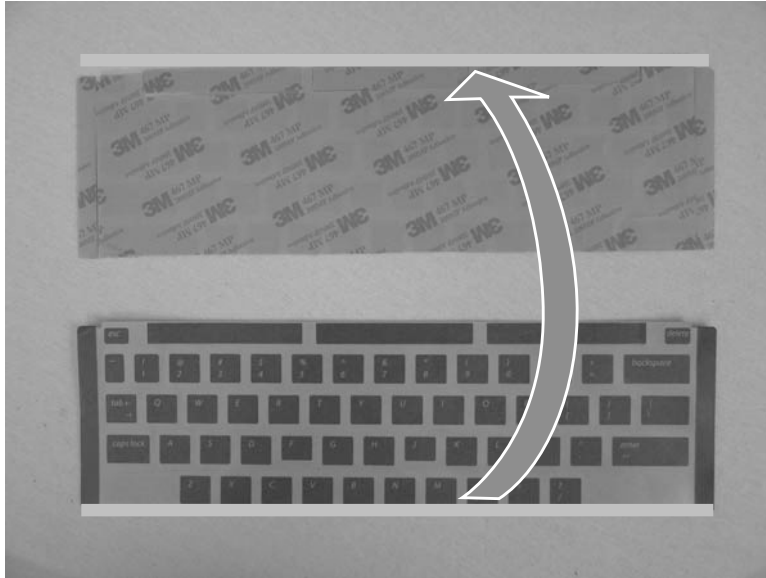
Keyboard overlay (M575c model)

To change the language set on the full-function QWERTY keyboard, install a keyboard overlay.

Install a keyboard overlay

1. Turn the overlay over to expose the paper backing.

Figure 1-107 Install a keyboard overlay (1 of 6)

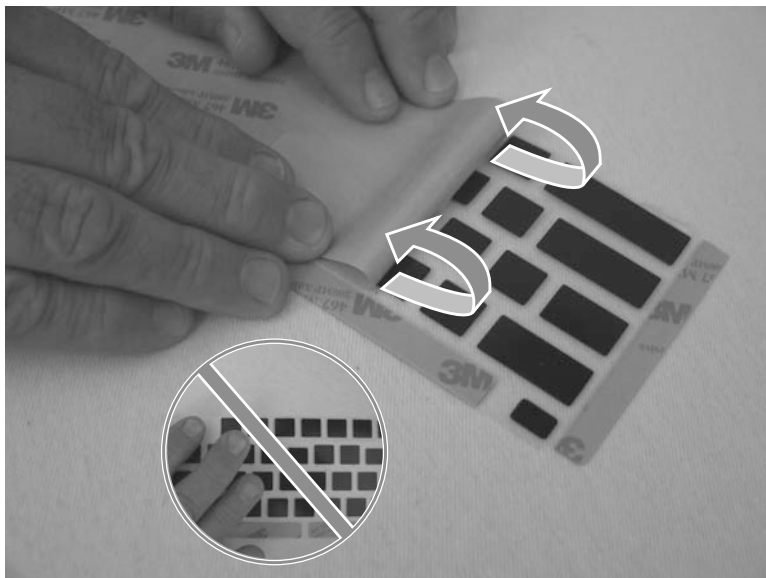


2. Carefully peel the paper backing off of the overlay.

CAUTION: Do not touch the exposed adhesive-backed button overlays.

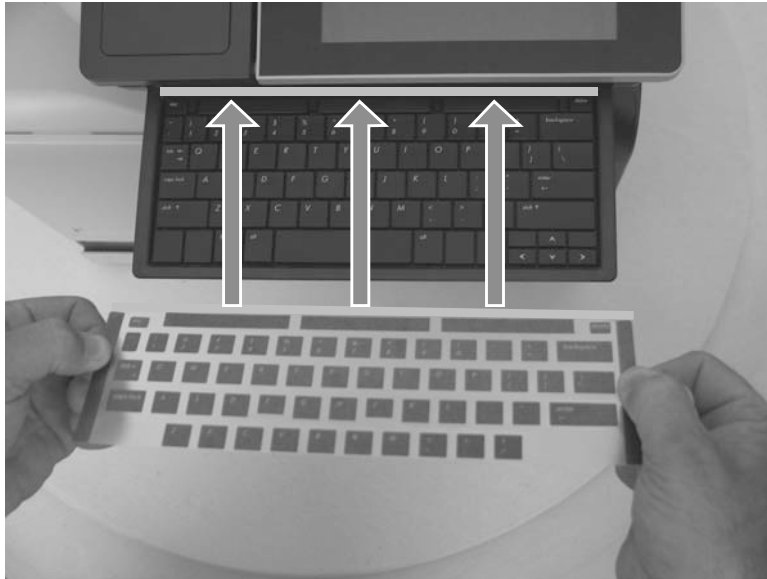
NOTE: Keep the paper backing close to the overlay as you peel it off to avoid accidentally removing any of the adhesive-backed button overlays.

Figure 1-108 Install a keyboard overlay (2 of 6)



3. Position the top edge of the overlay along the top edge of the keyboard.

Figure 1-109 Install a keyboard overlay (3 of 6)



4. Align the overlay on the keyboard. When the overlay is correctly aligned, lay it flat on the keyboard.


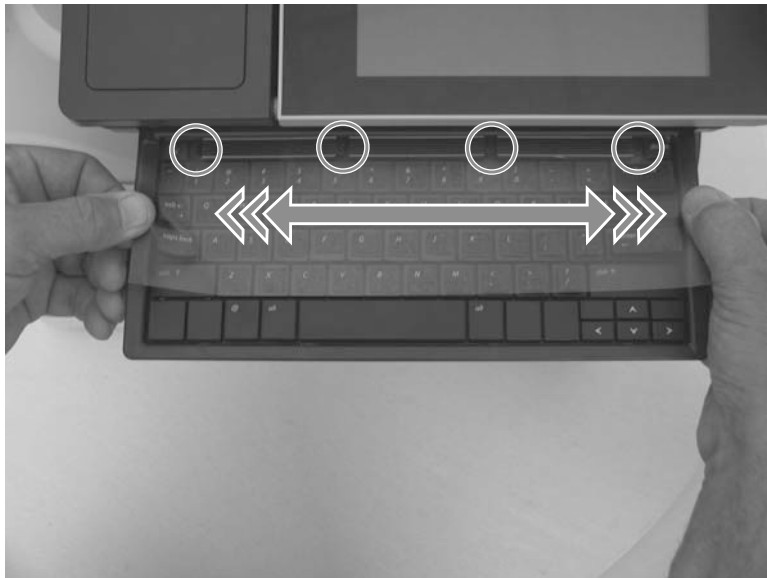
 **TIP:** The overlay is correctly aligned when you can see the four keyboard lock tabs through the clear plastic top sheet.

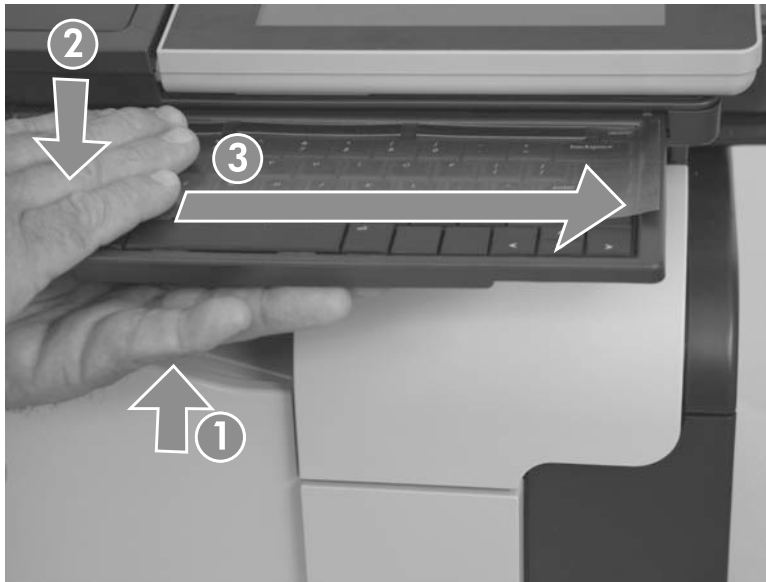
Figure 1-110 Install a keyboard overlay (4 of 6)




5. Support the keyboard tray (callout 1), push down on the top sheet (callout 2), and then firmly slide your hand (callout 3) along the top sheet to adhere the adhesive-backed button overlays to the keyboard buttons.

⚠ CAUTION: To avoid damage to the keyboard tray, you must support the tray before pushing down on the top sheet.

Figure 1-111 Install a keyboard overlay (5 of 6)



6. Carefully peel the top sheet off of the keyboard.

 **NOTE:** Keep the top sheet close to the keyboard as you peel it off to avoid accidentally removing any of the adhesive-backed button overlays.


 **TIP:** If any of the adhesive-backed button overlays fail to adhere to the keyboard, stop peeling back the top sheet. Support the keyboard tray, and then firmly slide your hand along the top sheet again to adhere the button overlays to the keyboard.

Figure 1-112 Install a keyboard overlay (6 of 6)

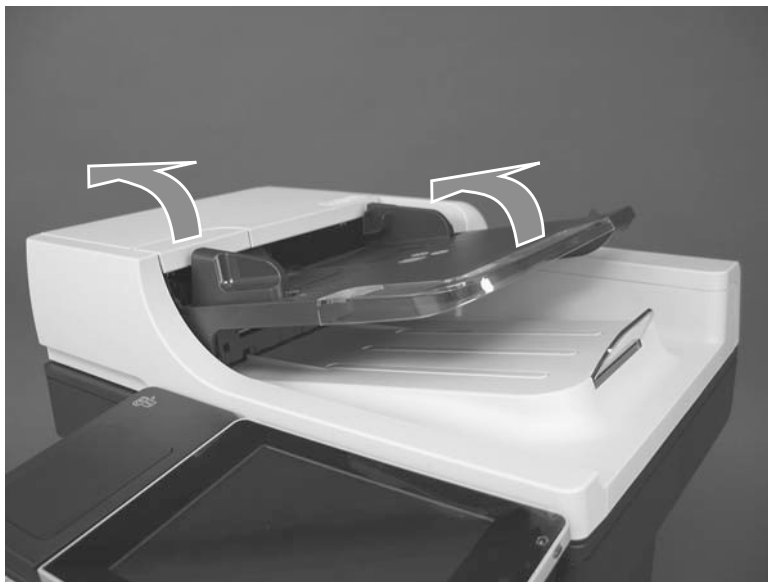


Back-side background selector assembly (M575c model)

⚠ CAUTION: Do not touch the surface of the rollers. Skin oils deposited on the rollers might cause print-quality problems.

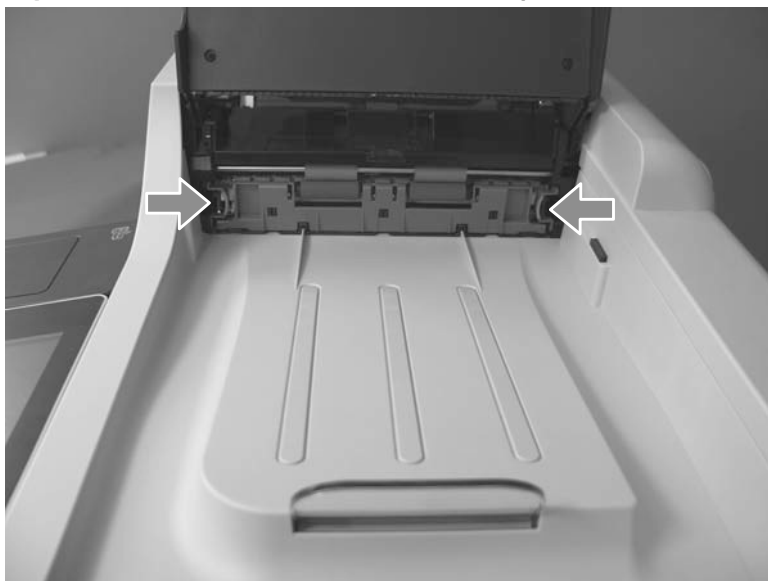
1. Open the jam-access cover, and then raise the input tray.

Figure 1-113 Remove the back-side background selector assembly (1 of 3)



2. Release two retainers on the assembly.

Figure 1-114 Remove the back-side background selector assembly (2 of 3)



3. Carefully slide the assembly away from the product to remove it.



Reinstallation tip Make sure the assembly is fully seated when it is reinstalled.

The white portion of the back-side background selector can get dirty and might need to be wiped down before reinstalling it.

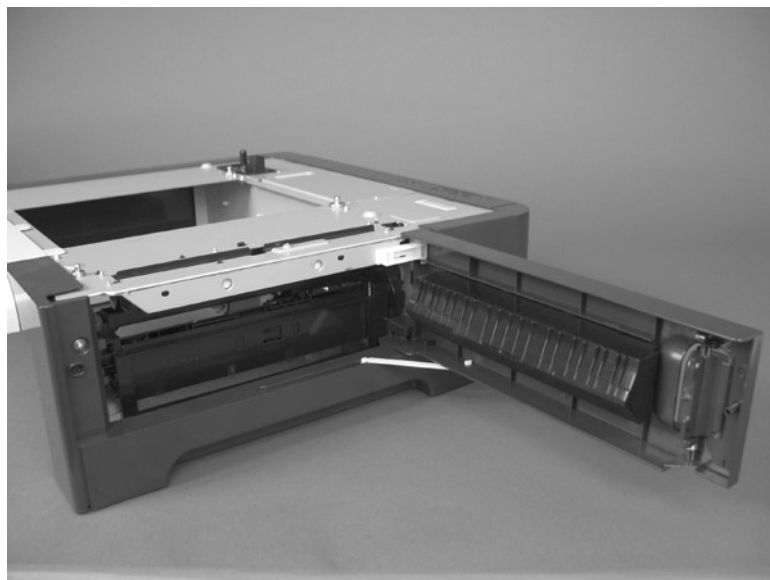
Figure 1-115 Remove the back-side background selector assembly (3 of 3)



Right door (optional paper feeder)

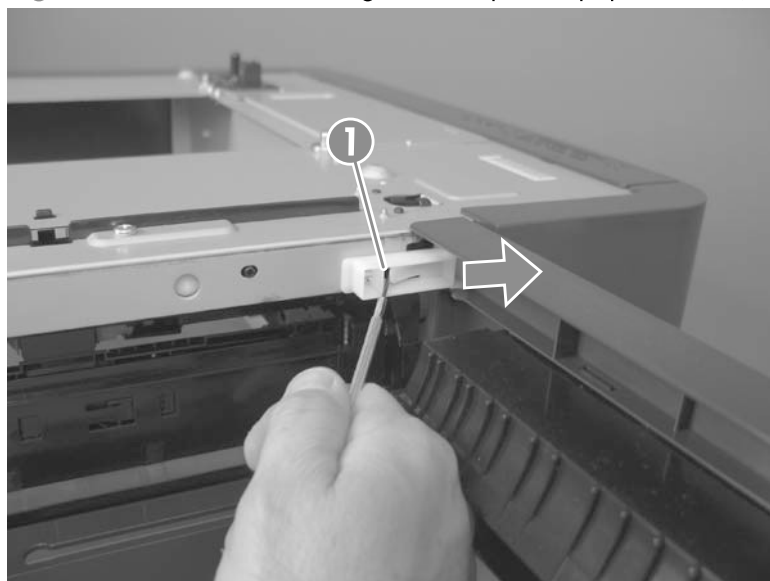
1. Open the right door.

Figure 1-116 Remove the right door; optional paper feeder (1 of 3)



2. Release one tab (callout 1), and then slide the stopper toward the right side of the product to remove it.

Figure 1-117 Remove the right door; optional paper feeder (2 of 3)



3. Support the door, and then release the door-retainer arm at the bottom of the door. Raise the door to release the lower hinge pin, and then remove the door.

Figure 1-118 Remove the right door; optional paper feeder (3 of 3)



External panels, covers, and doors

Identification and location


 **NOTE:** Your product might not appear exactly as the one shown in the photos in this chapter. Although some photos do not show the document feeder and scanner assembly installed, the procedures in this chapter are appropriate for your product.

Figure 1-119 External panels, covers, doors, and scanner assembly; identification and location

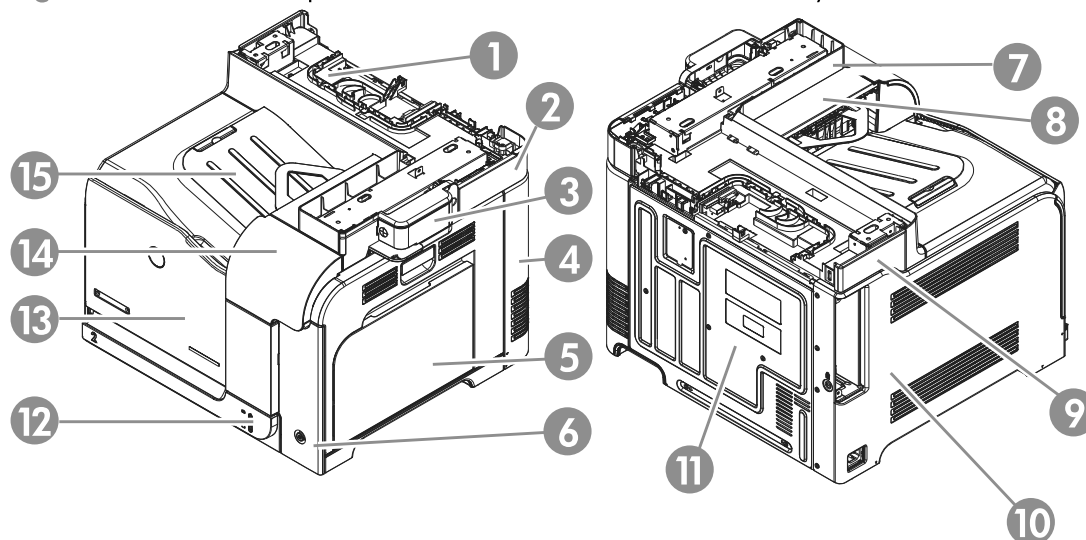


Table 1-2 External panels, covers, doors, and scanner assembly; identification and location

Item	Description
1	Rear-top cover (see Rear-top cover on page 112)
2	Right-top cover (see Right-top cover on page 106)
3	Stapler cover (see Stapler cover on page 85)
4	Right-rear cover (see Right-rear cover on page 90)
5	Right-door assembly (see Right-door assembly on page 86)
6	Right-front cover (see Right-front cover on page 100)
7	Upper-right cover (see Upper-right cover on page 108)
8	Delivery cover (see Delivery cover on page 104)
9	Left-upper cover (see Left-upper cover on page 97)
10	Left cover (see Left cover on page 92)
11	Rear cover (see Rear cover on page 98)
12	Tray (see Tray 2 and 3 on page 23)
13	Front-door assembly (see Front-door assembly on page 37)
14	Front-upper cover (see Front-upper cover on page 83)
15	Front-top cover (see Front-top cover on page 110)

Control-panel USB cover

- ▲ Remove the small cover from USB port on the left side of the control panel.

Figure 1-120 Remove USB cover



Control-panel HIP (hardward integration pocket)

Use a small flat blade screwdriver to carefully separate the cover from the product.

⚠ CAUTION: There are two tabs along each of the long edges of the cover that fasten the cover to the product. Do not break the tabs when the cover is removed.

Figure 1-121 Remove the HIP cover



Front-upper cover

Remove the front-upper cover

1. Open the right door and front door.

Figure 1-122 Remove the front-upper cover (1 of 4)



2. Remove one screw.

Figure 1-123 Remove the front-upper cover (2 of 4)



3. Remove one screw.

Figure 1-124 Remove the front-upper cover (3 of 4)



4. Lift the cover up, and then remove the front-upper cover.

 **NOTE:** The cover might be difficult to remove. It might require some flexing to release it.

Figure 1-125 Remove the front-upper cover (4 of 4)



Stapler cover

Remove the stapler cover

- ▲ Remove one screw and then the stapler cover.

Figure 1-126 Remove the stapler cover



Right-door assembly

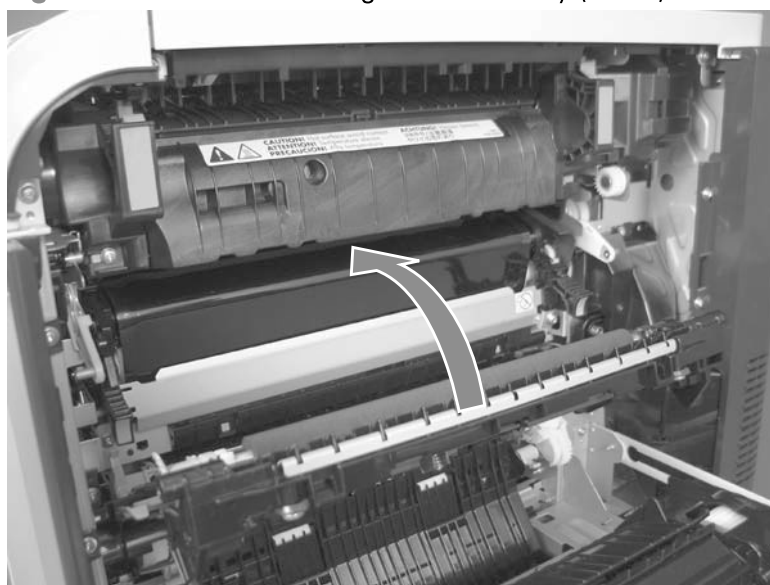
1. Open the right-door assembly.

Figure 1-127 Remove the right-door assembly (1 of 8)



2. Close the secondary transfer assembly.

Figure 1-128 Remove the right-door assembly (2 of 8)



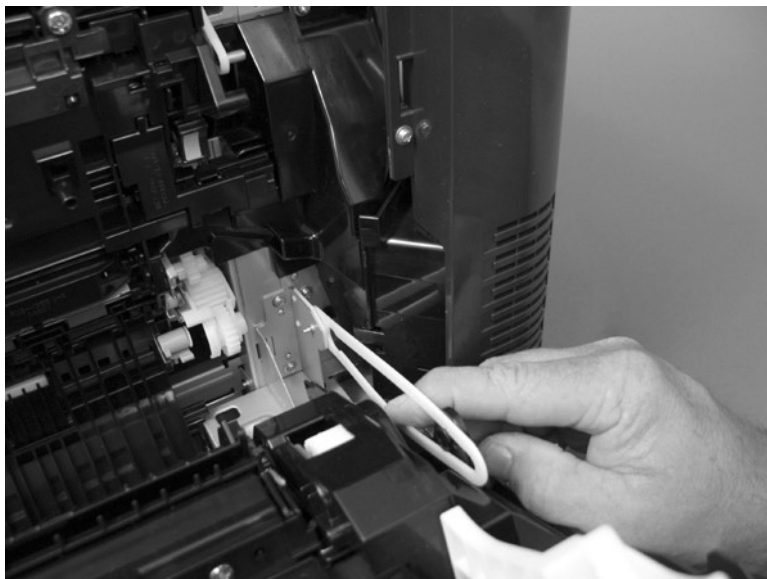
3. Remove three screws (callout 1).

Figure 1-129 Remove the right-door assembly (3 of 8)



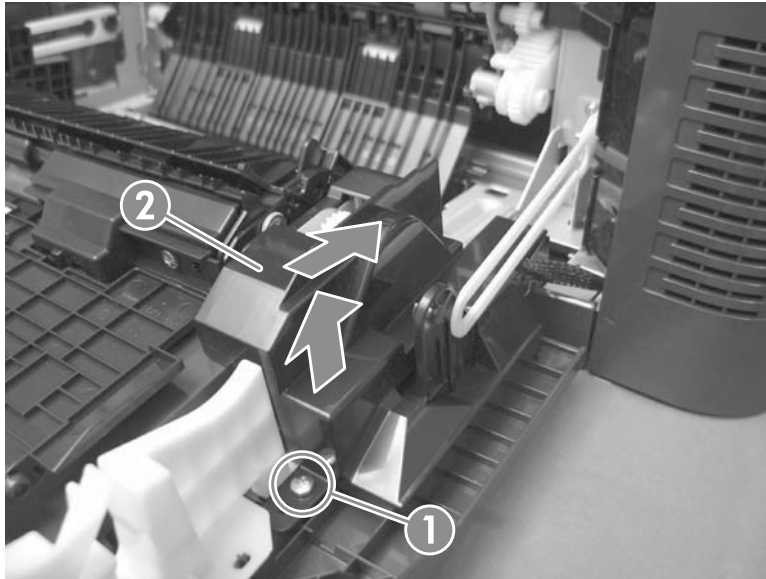
4. Carefully release one link arm.

Figure 1-130 Remove the right-door assembly (4 of 8)



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

Figure 1-131 Remove the right-door assembly (5 of 8)



6. Disconnect two connectors (callout 1), and then release the wire harness from the guide (callout 2).


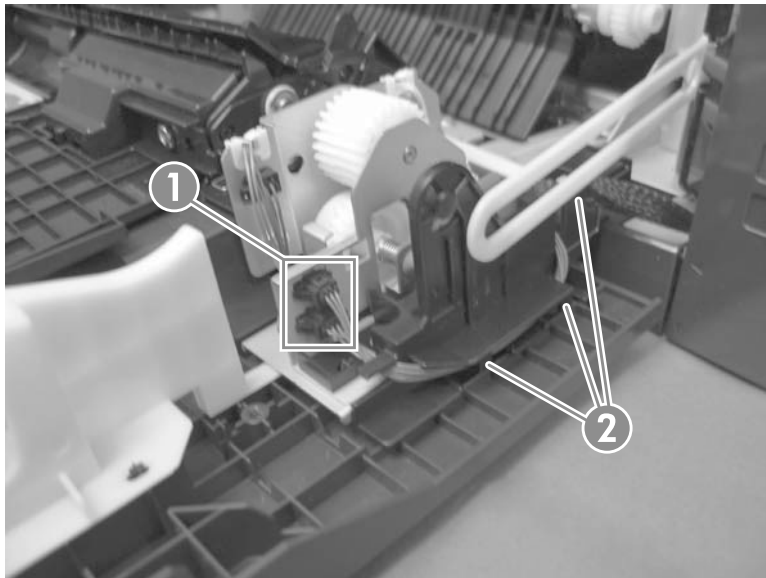
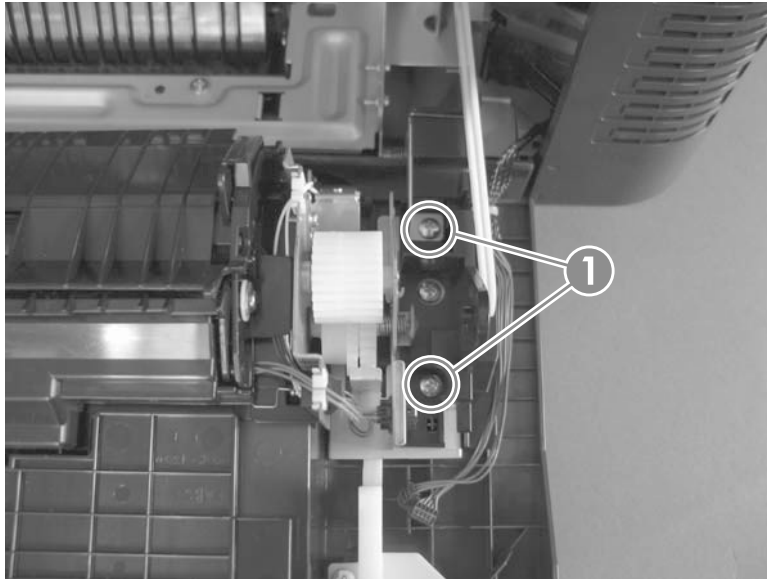
 **TIP:** It is easier to disconnect the lower connector if you first remove the wire harnesses from the guide.

Figure 1-132 Remove the right-door assembly (6 of 8)



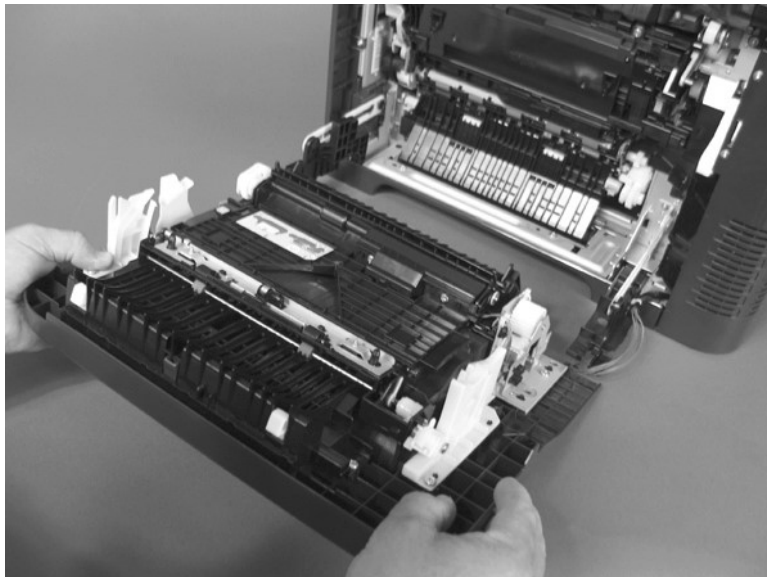
7. Remove two screws (callout 1).

Figure 1-133 Remove the right-door assembly (7 of 8)



8. Remove the right-door assembly.

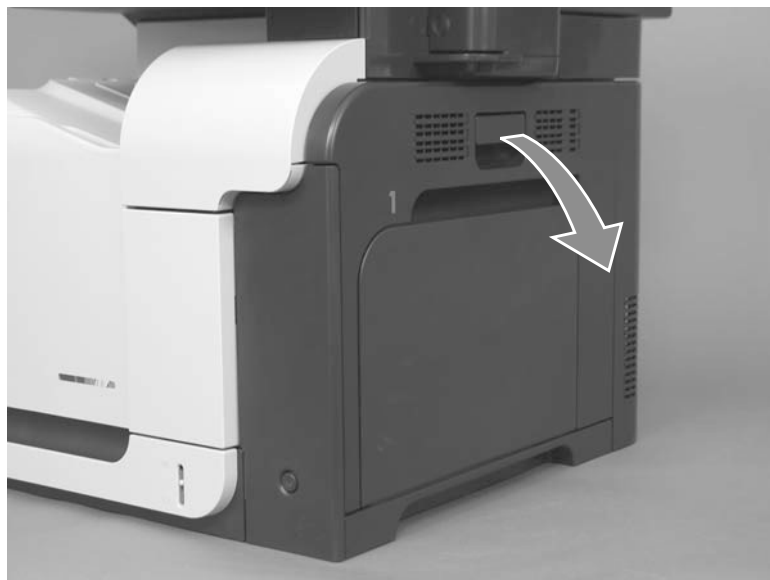
Figure 1-134 Remove the right-door assembly (8 of 8)



Right-rear cover

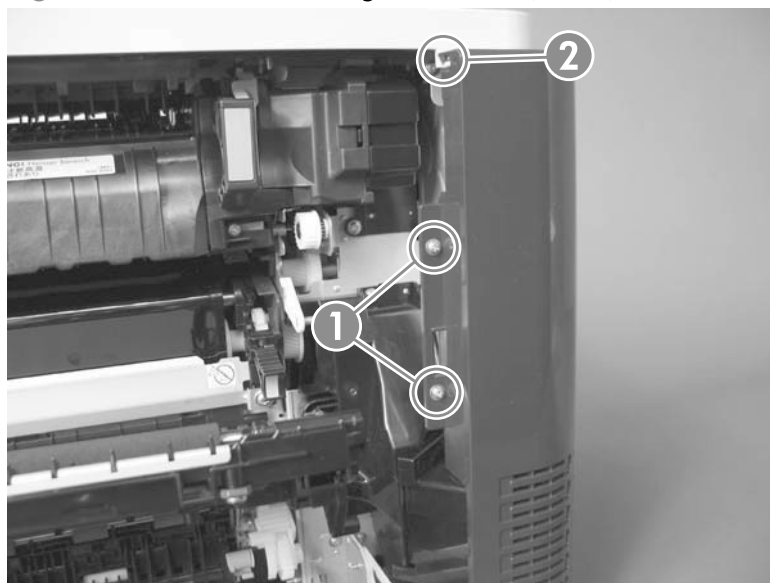
1. Open the right-door assembly.

Figure 1-135 Remove the right-rear cover (1 of 3)



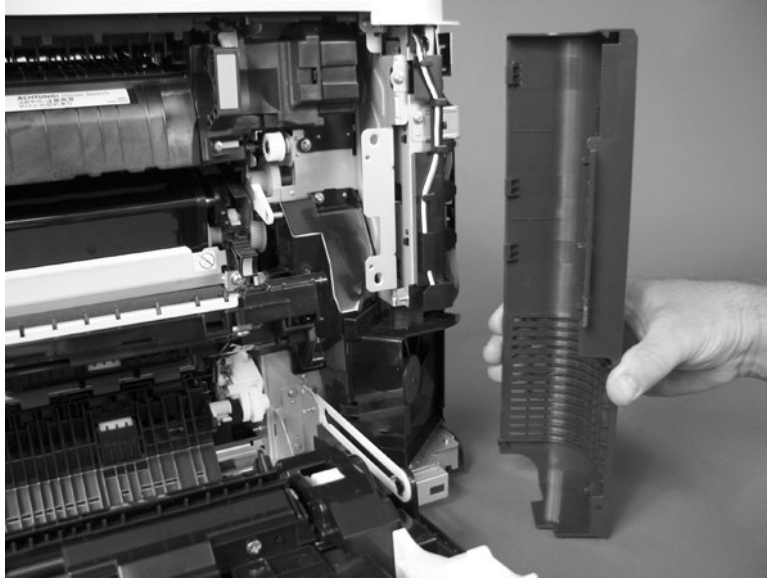
2. Remove two screws (callout 1) and release one tab (callout 2).

Figure 1-136 Remove the right-rear cover (2 of 3)



3. Rotate the bottom of the cover away from the product, and then remove the cover.

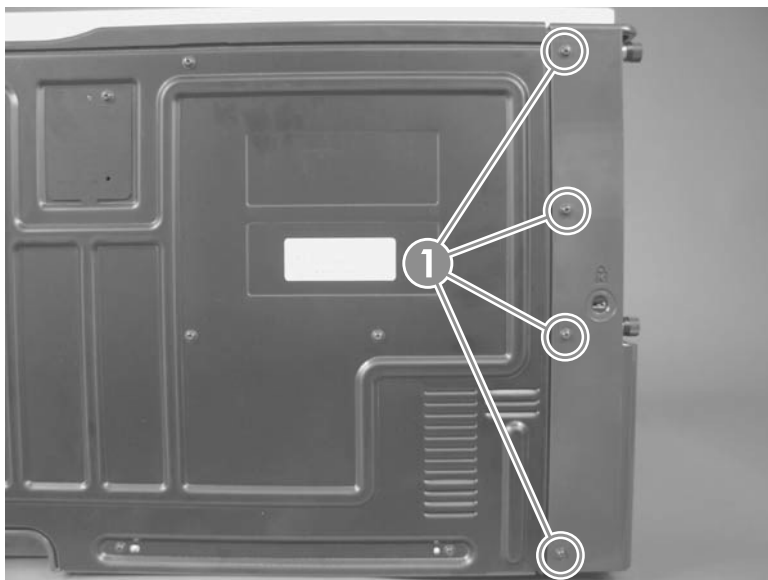
Figure 1-137 Remove the right-rear cover (3 of 3)



Left cover

1. Remove four screws (callout 1).

Figure 1-138 Remove the left cover (1 of 5)



2. Release the rear edge of the cover, and slightly separate the cover from the product.

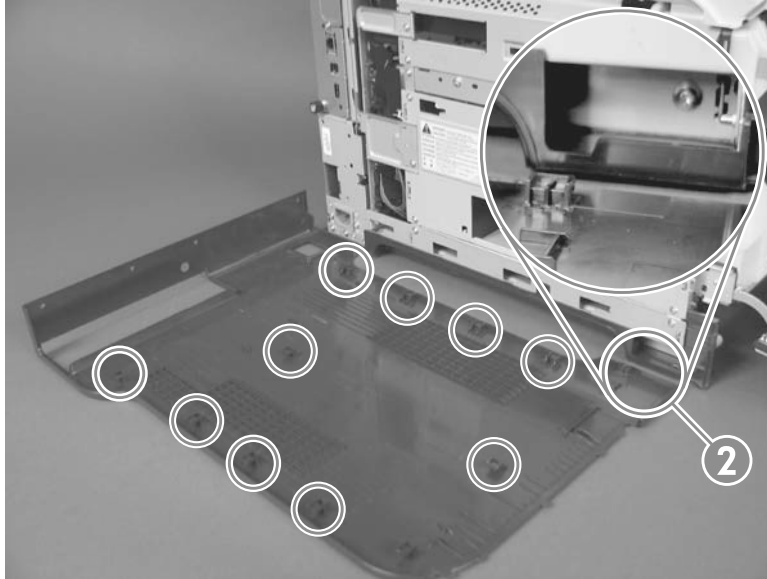
Figure 1-139 Remove the left cover (2 of 5)



3. The figure below shows the cover removed so that you can see the tab locations. **Before proceeding**, note the location of the mounting tabs.

CAUTION: One tab (callout 2) is easily damaged when removing the cover. Be careful when removing the cover.

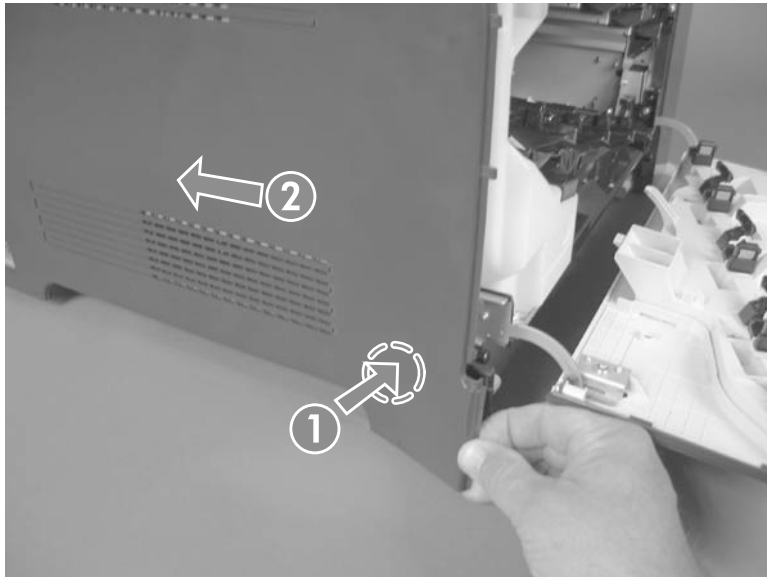
Figure 1-140 Remove the left cover (3 of 5)



4. Use your thumb to press in on the lower-front portion of the cover (near the dashed circle in the figure below), and then slightly slide the cover away from the front door to release one tab.

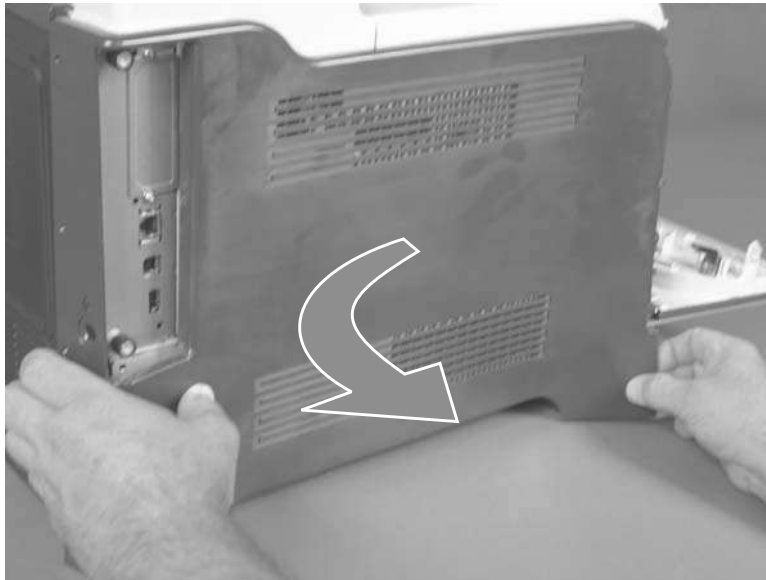
CAUTION: You must flex the cover enough to release the front edge of the cover, but do not damage the tab at the bottom-front edge of the cover. See callout 2 in [Figure 1-140 Remove the left cover \(3 of 5\)](#) on page 93.

Figure 1-141 Remove the left cover (4 of 5)



5. Slide the cover toward the rear of the product and rotate it away from the product and then remove the cover.

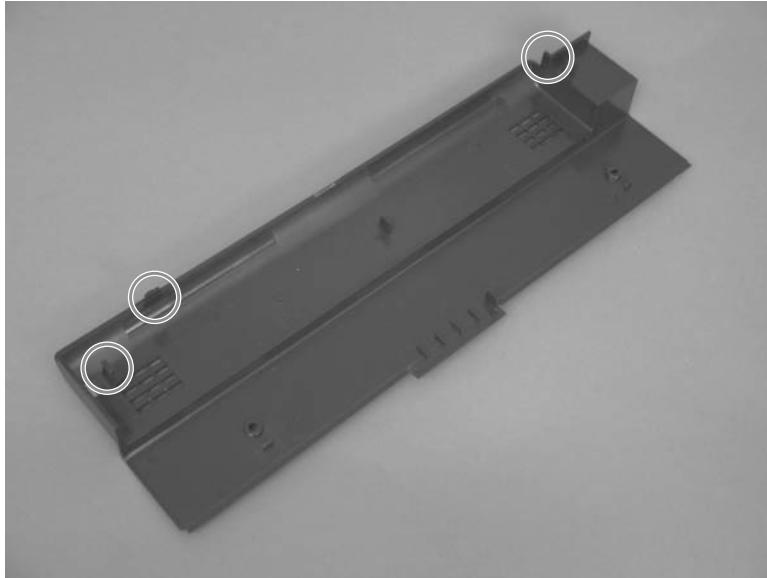
Figure 1-142 Remove the left cover (5 of 5)



Rear-upper cover

1. Note the location of the three tabs.

Figure 1-143 Remove the rear-upper cover (1 of 3)



2. Remove two screws (callout 1). Push in to release the tabs.

Figure 1-144 Remove the rear-upper cover (2 of 3)



3. Rotate the cover away from the product to remove.

Figure 1-145 Remove the rear-upper cover (3 of 3)



Left-upper cover

Before proceeding, remove the following components:

- Rear-upper cover. See [Rear-upper cover on page 95](#).

Remove the left-upper cover

- ▲ Release one tab and remove the cover.

Figure 1-146 Remove the left-upper cover



Rear cover

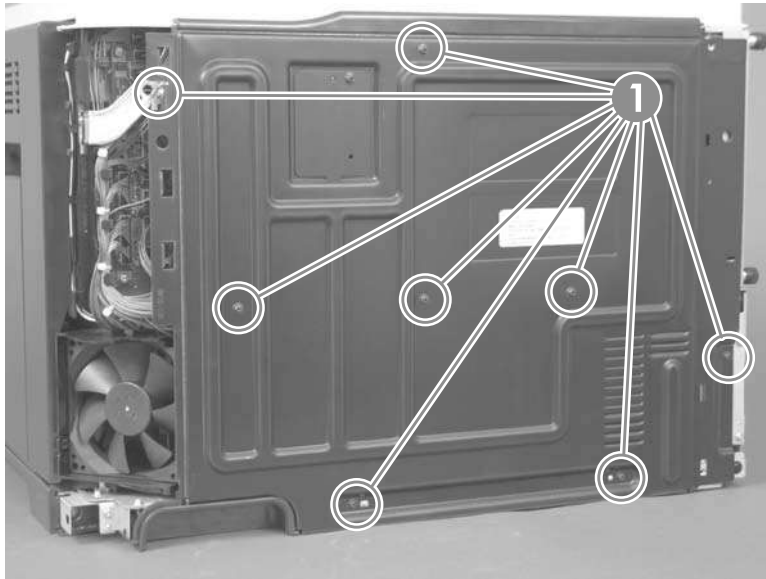
Before proceeding, remove the following components:

- Right-rear cover. See [Right-rear cover on page 90](#).
- Left cover. See [Left cover on page 92](#).
- Rear-upper cover. See [Rear-upper cover on page 95](#).

Remove the rear cover

1. Remove eight screws (callout 1).

Figure 1-147 Remove the rear cover (1 of 2)



2. Slide the cover toward the fan side of the product, and then remove the rear cover.

Figure 1-148 Remove the rear cover (2 of 2)



Right-front cover

Before proceeding, remove the following components:

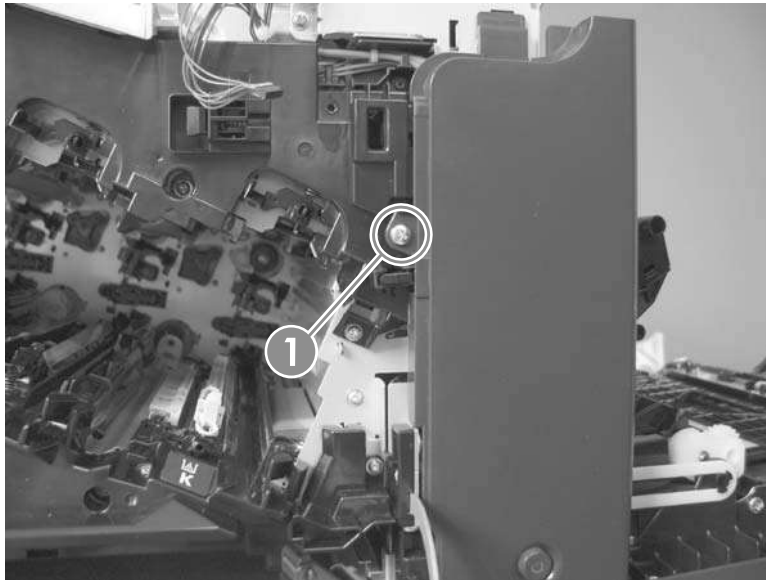
- Front-upper cover. See [Front-upper cover on page 83](#).

Remove the right-front cover

 **NOTE:** Be careful. When removing the cover, do not dislodge the power button. If the button is dislodged, see [Reinstall the power button on page 103](#) to reinstall it.

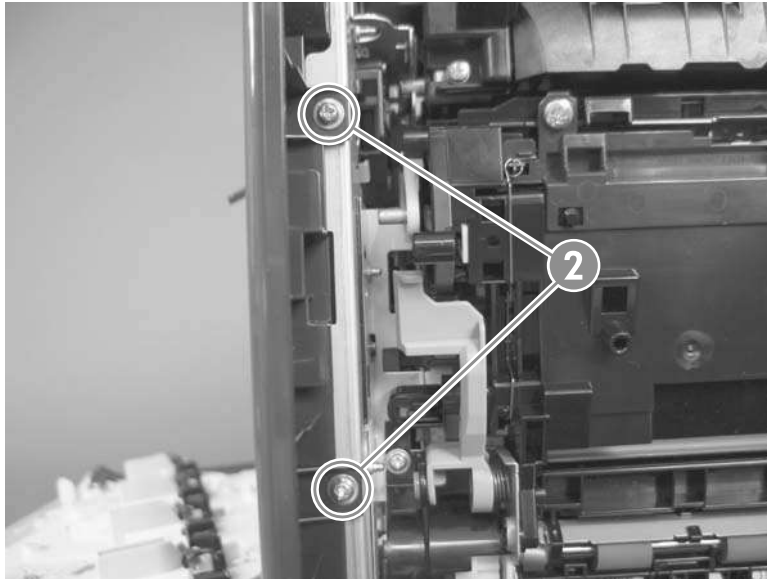
1. Remove one screw (callout 1).

Figure 1-149 Remove the right-front cover (1 of 5)



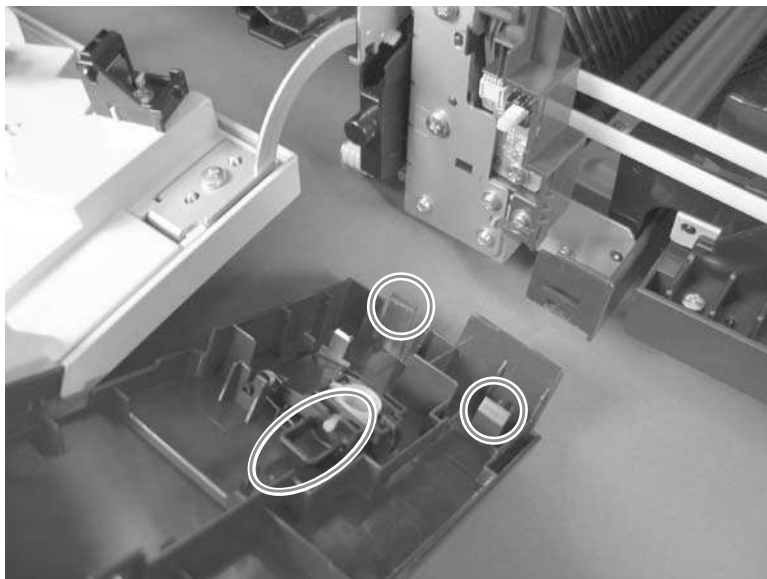
2. Remove two screws (callout 2).

Figure 1-150 Remove the right-front cover (2 of 5)



3. Before you proceed, take note of the tab locations at the bottom of the cover.

Figure 1-151 Remove the right-front cover (3 of 5)



4. Pull down on the cover to release three tabs (callout 3).


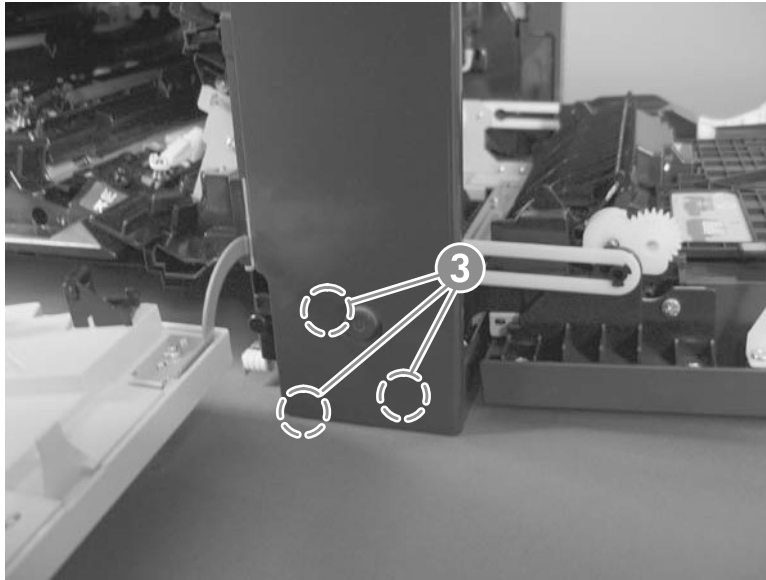
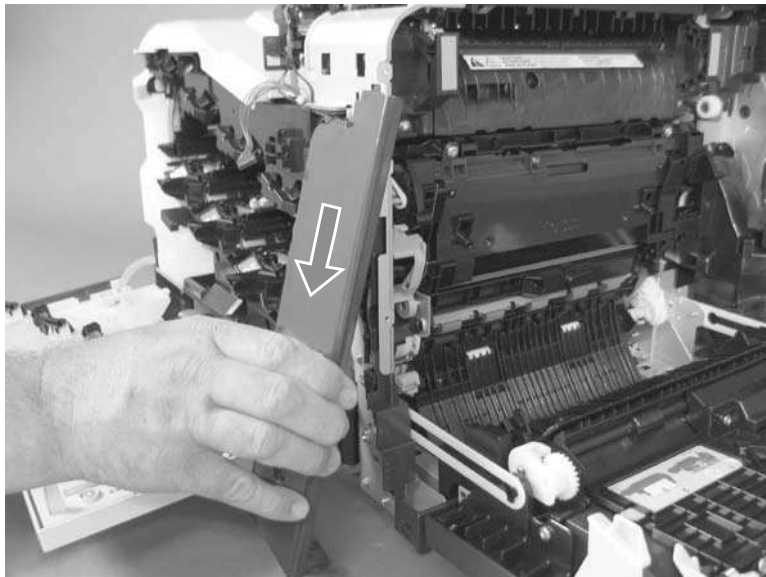
 **TIP:** It might be easier if you position the product at the edge of the work surface so that there is a space for the cover to slide downward. Or, you might try inserting a small flat blade screwdriver behind the cover, and carefully pry the cover away from the product as you pull down on the cover to release the tabs.

Figure 1-152 Remove the right-front cover (4 of 5)



5. Rotate the bottom of the cover away from the product, and then pull down on the cover to remove it.

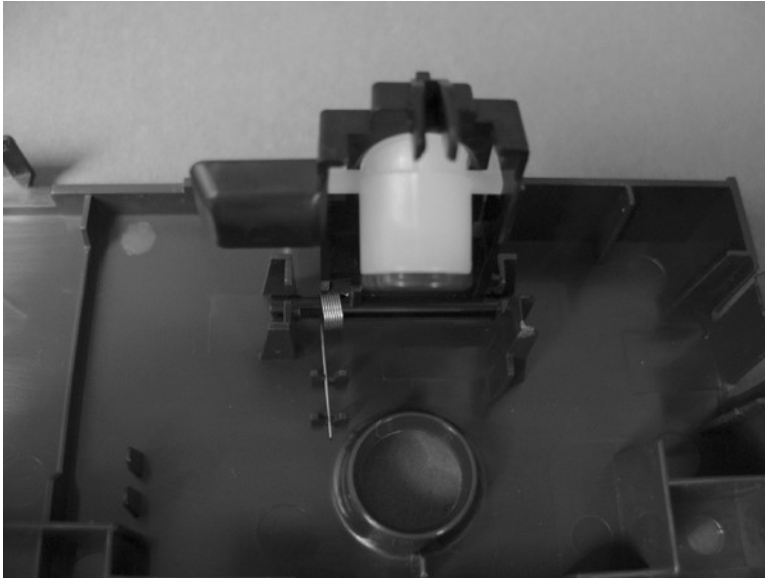
Figure 1-153 Remove the right-front cover (5 of 5)



Reinstall the power button

Snap the power button into the holders on the cover. Make sure that the spring is correctly installed.

Figure 1-154 Reinstall the power button



Delivery cover

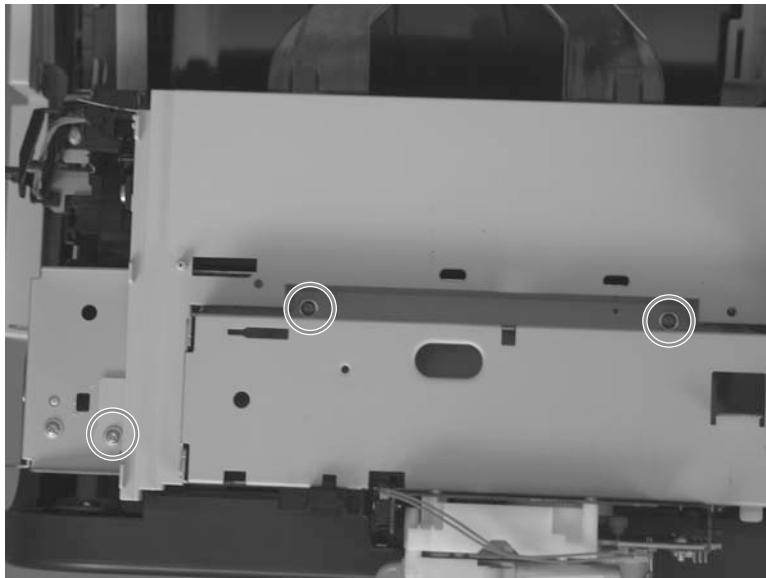
Before proceeding, remove the following components:

- Front-upper cover. See [Front-upper cover on page 83](#).
- Stapler cover. See [Stapler cover on page 85](#).
- Rear-upper cover. See [Rear-upper cover on page 95](#).
- Left-upper cover. See [Left-upper cover on page 97](#).
- Upper-right cover. See [Upper-right cover on page 108](#).
- Document feeder whole unit.
 - See [Document feeder whole unit on page 127](#).
 - See [Document feeder whole unit \(M575c model\) on page 130](#).
- Scanner-control board (SCB).
 - See [Scanner-control board \(SCB\) on page 133](#).
 - See [Scanner-control board \(SCB; M575c\) on page 136](#).
- Image scanner whole unit. See [Image scanner whole unit on page 139](#).

Remove the delivery cover

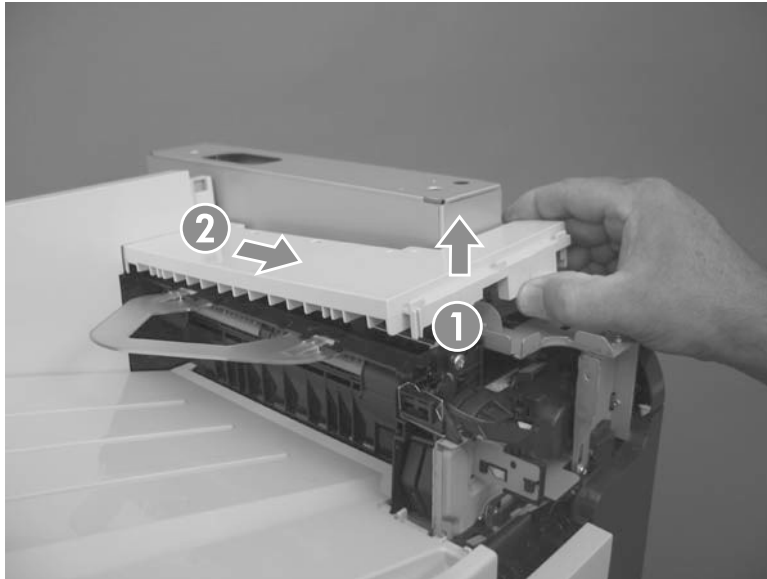
1. Remove three screws.

Figure 1-155 Remove the delivery cover (1 of 3)



2. Lift up (callout 1) and slide the delivery cover (callout 2).

Figure 1-156 Remove the delivery cover (2 of 3)



3. Remove the delivery cover.

Figure 1-157 Remove the delivery cover (3 of 3)



Right-top cover

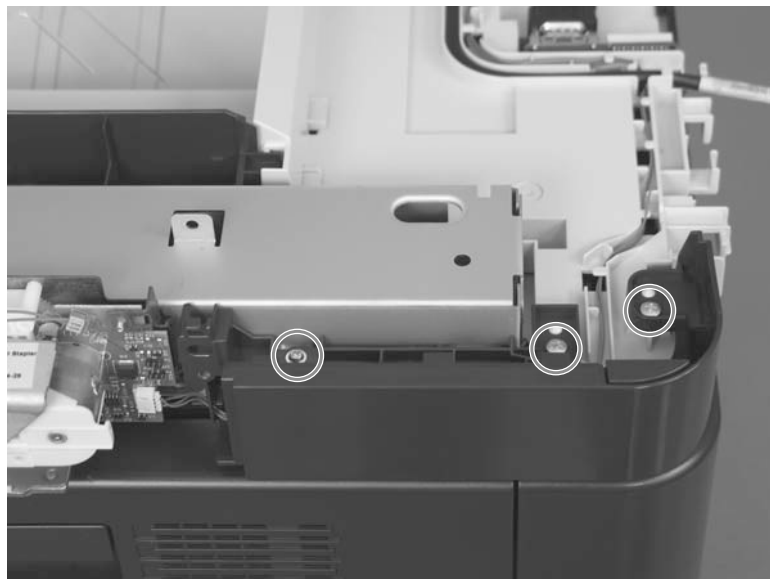
Before proceeding, remove the following components:

- Stapler cover. See [Stapler cover on page 85](#).
- Rear-upper cover. See [Rear-upper cover on page 95](#).
- Left-upper cover. See [Left-upper cover on page 97](#).
- Document feeder whole unit.
 - See [Document feeder whole unit on page 127](#).
 - See [Document feeder whole unit \(M575c model\) on page 130](#).
- Scanner-control board (SCB).
 - See [Scanner-control board \(SCB\) on page 133](#).
 - See [Scanner-control board \(SCB; M575c\) on page 136](#).
- Image scanner whole unit. See [Image scanner whole unit on page 139](#).

Remove the right-top cover

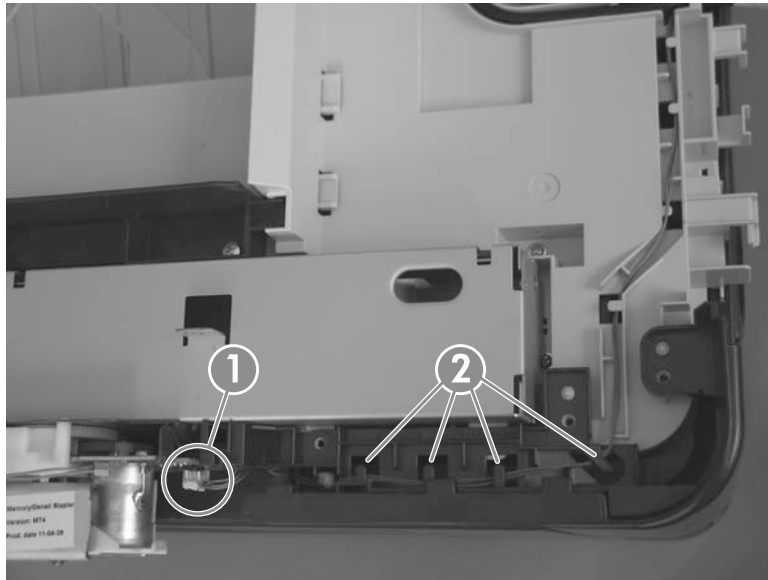
1. Remove three screws.

Figure 1-158 Remove the right-top cover (1 of 2)



2. Disconnect one connector (callout 1), remove the wire harness from its retainer (callout 2), and remove the cover.

Figure 1-159 Remove the right-top cover (2 of 2)



Upper-right cover

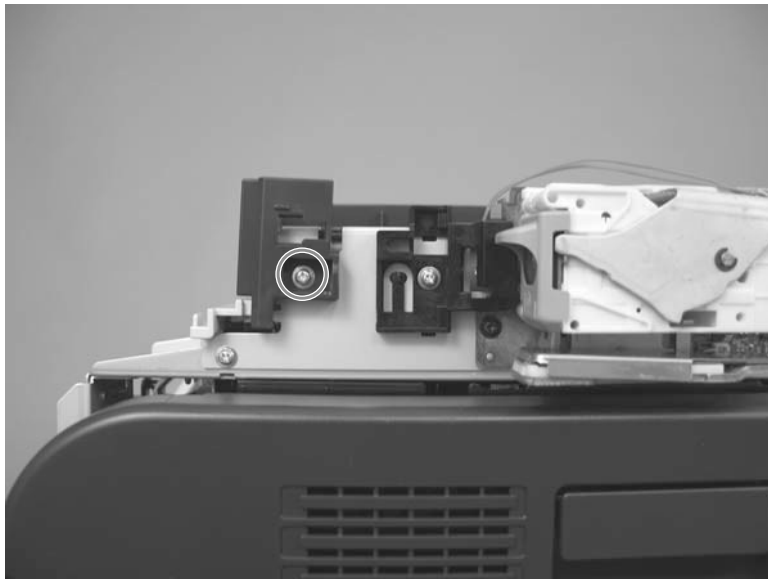
Before proceeding, remove the following components:

- Stapler cover. See [Stapler cover on page 85](#).
- Rear-upper cover. See [Rear-upper cover on page 95](#).
- Left-upper cover. See [Left-upper cover on page 97](#).
- Document feeder whole unit.
 - See [Document feeder whole unit on page 127](#).
 - See [Document feeder whole unit \(M575c model\) on page 130](#).
- Scanner-control board (SCB).
 - See [Scanner-control board \(SCB\) on page 133](#).
 - See [Scanner-control board \(SCB; M575c\) on page 136](#).
- Image scanner whole unit. See [Image scanner whole unit on page 139](#).

Remove the upper-right cover

1. Remove one screw.

Figure 1-160 Remove the upper-right cover (1 of 2)



2. Remove two screws, and remove the cover.

Figure 1-161 Remove the upper-right cover (2 of 2)



Front-top cover

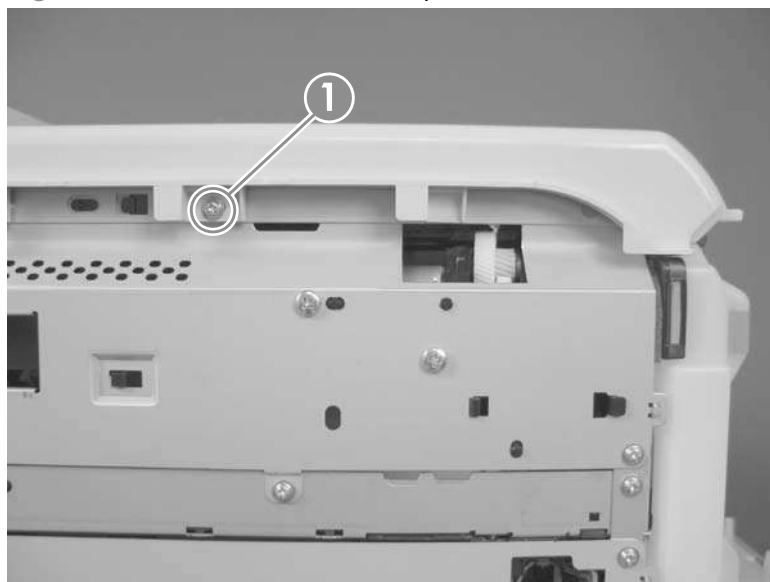
Before proceeding, remove the following components:

- Front-upper cover. See [Front-upper cover on page 83](#).
- Stapler cover. See [Stapler cover on page 85](#).
- Rear-upper cover. See [Rear-upper cover on page 95](#).
- Left-upper cover. See [Left-upper cover on page 97](#).
- Left cover. See [Left cover on page 92](#).
- Document feeder whole unit.
 - See [Document feeder whole unit on page 127](#).
 - See [Document feeder whole unit \(M575c model\) on page 130](#).
- Scanner-control board (SCB).
 - See [Scanner-control board \(SCB\) on page 133](#).
 - See [Scanner-control board \(SCB; M575c\) on page 136](#).
- Image scanner whole unit. See [Image scanner whole unit on page 139](#).

Remove the front-top cover

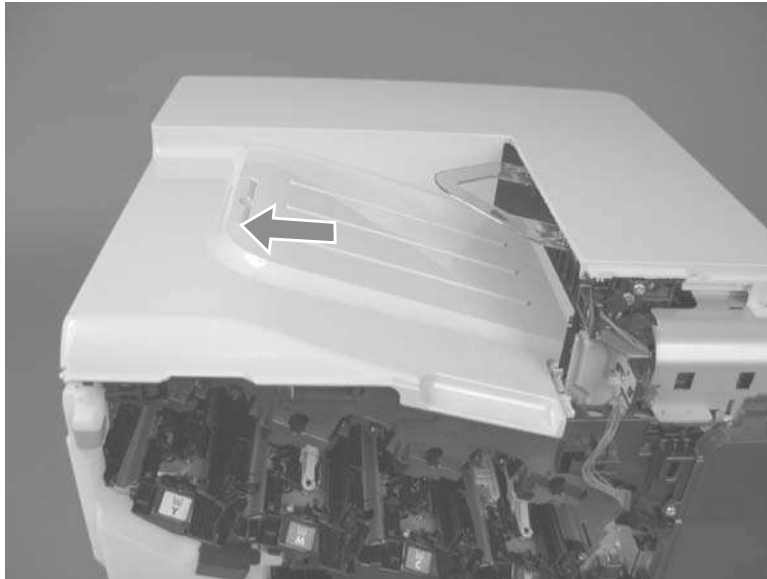
1. Remove one screw (callout 1).

Figure 1-162 Remove the front-top cover (1 of 2)



2. Slide the cover toward the left side of the product to release it, and then remove the cover.

Figure 1-163 Remove the front-top cover (2 of 2)



Rear-top cover

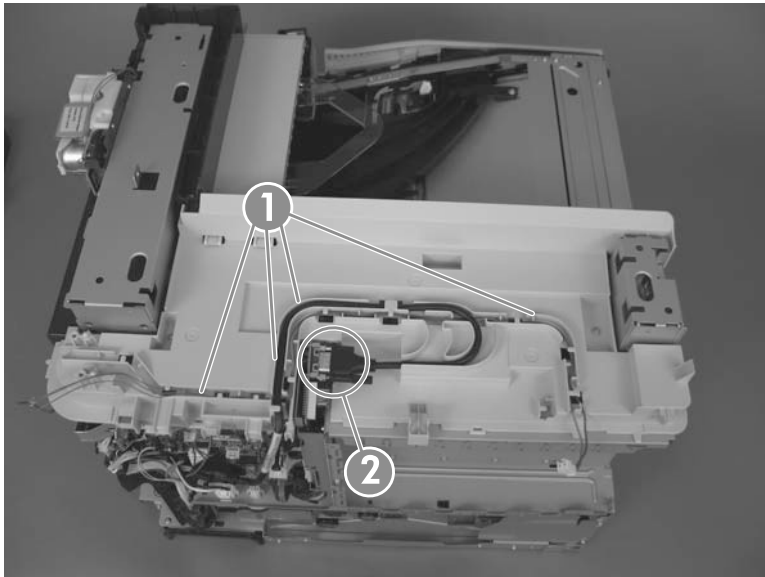
Before proceeding, remove the following components:

- Stapler cover. See [Stapler cover on page 85](#).
- Rear-upper cover. See [Rear-upper cover on page 95](#).
- Left-upper cover. See [Left-upper cover on page 97](#).
- Rear cover. See [Rear cover on page 98](#).
- Delivery cover. See [Delivery cover on page 104](#).
- Front-top cover. See [Front-top cover on page 110](#).
- Document feeder whole unit.
 - See [Document feeder whole unit on page 127](#).
 - See [Document feeder whole unit \(M575c model\) on page 130](#).
- Scanner-control board (SCB).
 - See [Scanner-control board \(SCB\) on page 133](#).
 - See [Scanner-control board \(SCB; M575c\) on page 136](#).
- Image scanner whole unit. See [Image scanner whole unit on page 139](#).

Remove the rear-top cover

1. Release the wire harness from its retainers (callout 1), and disconnect the cable (callout 2).

Figure 1-164 Remove the rear-top cover (1 of 2)



2. Remove three screws, and then remove the cover.

Figure 1-165 Remove the rear-top cover (2 of 2)

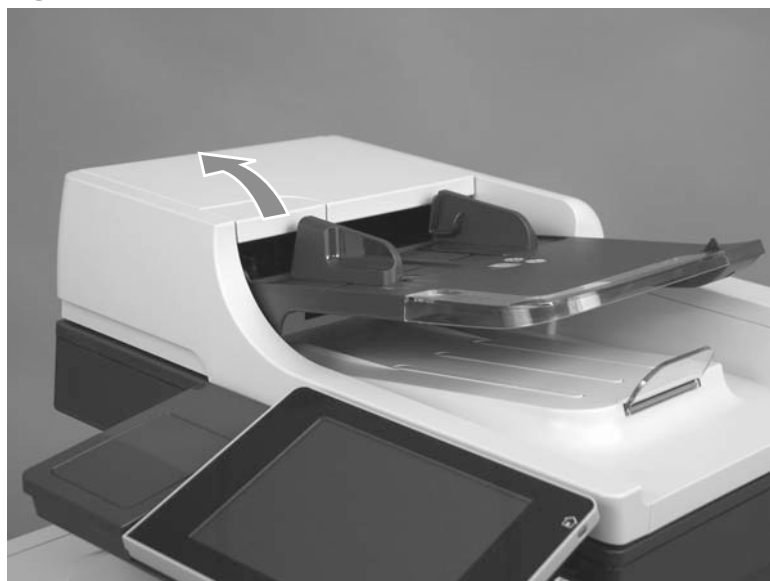


Document feeder and scanner assemblies

Cover front (document feeder front cover)

1. Open the jam-access cover.

Figure 1-166 Remove the document feeder front cover (1 of 4)



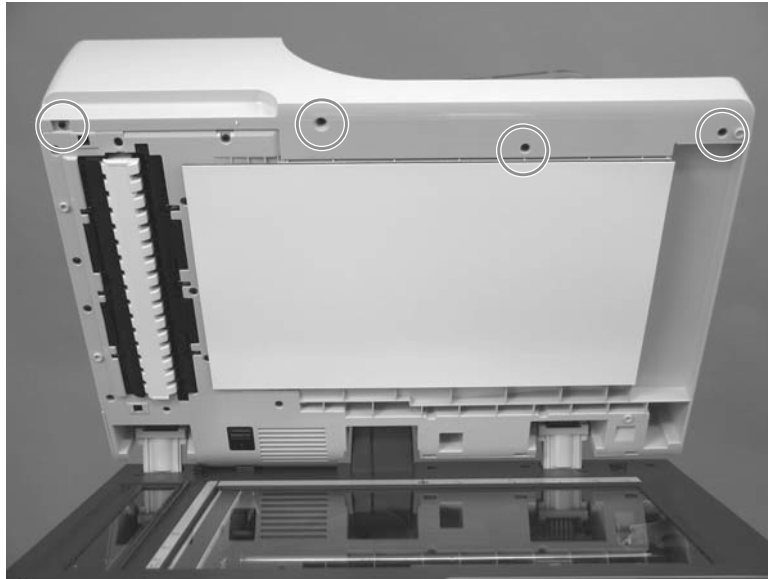
2. Remove two screws.

Figure 1-167 Remove the document feeder front cover (2 of 4)



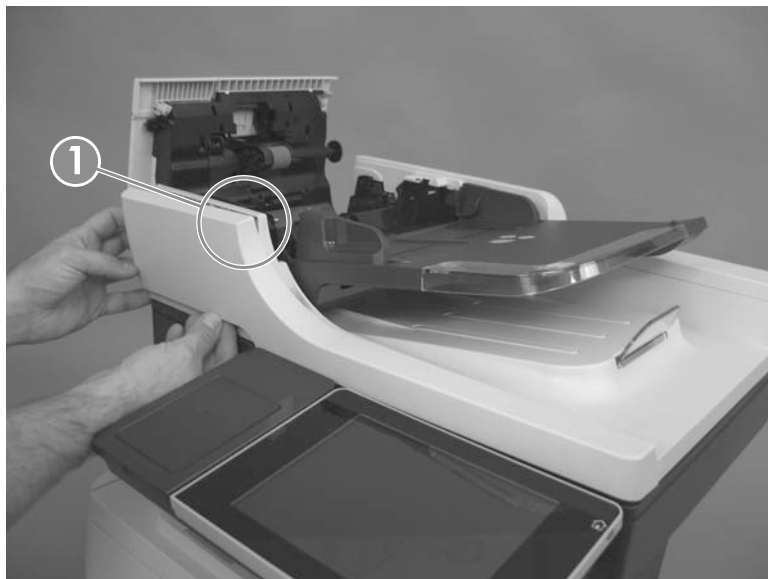
3. Open the document feeder, and then remove four screws.

Figure 1-168 Remove the document feeder front cover (3 of 4)



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

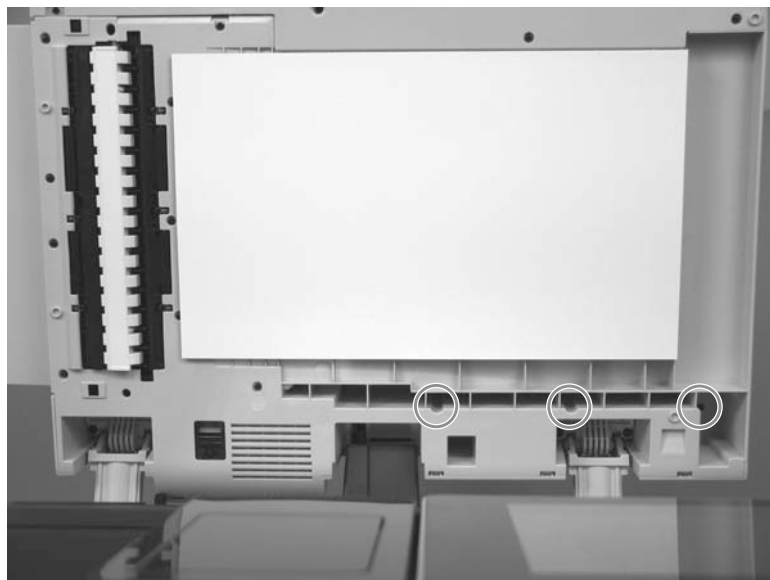
Figure 1-169 Remove the document feeder front cover (4 of 4)



Cover rear (document feeder rear cover)

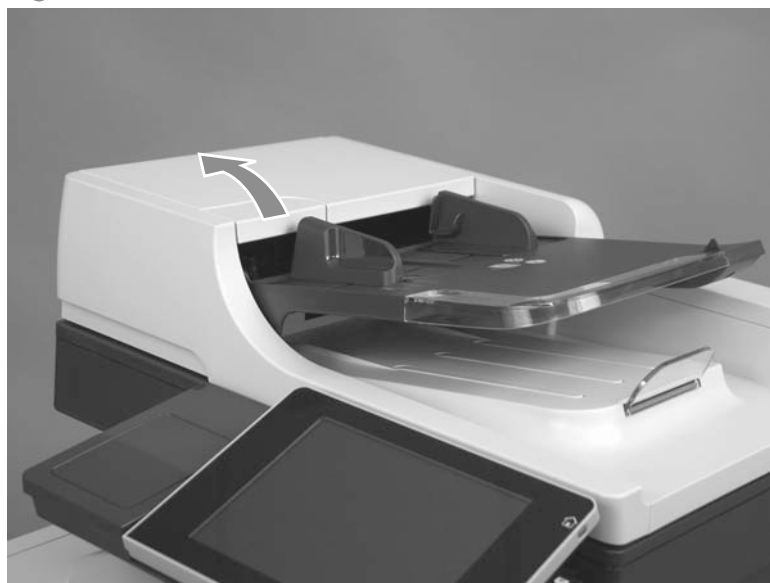
1. Open the document feeder, and then remove three screws.

Figure 1-170 Remove the document feeder rear cover (1 of 4)



2. Close the document feeder and then open the jam-access cover.

Figure 1-171 Remove the document feeder rear cover (2 of 4)



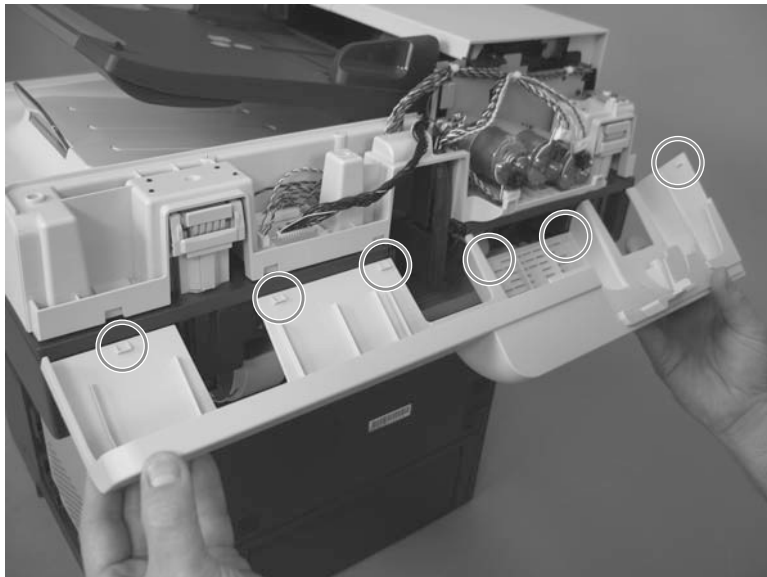
3. Remove two screws.

Figure 1-172 Remove the document feeder rear cover (3 of 4)



4. Release six tabs and remove the cover.

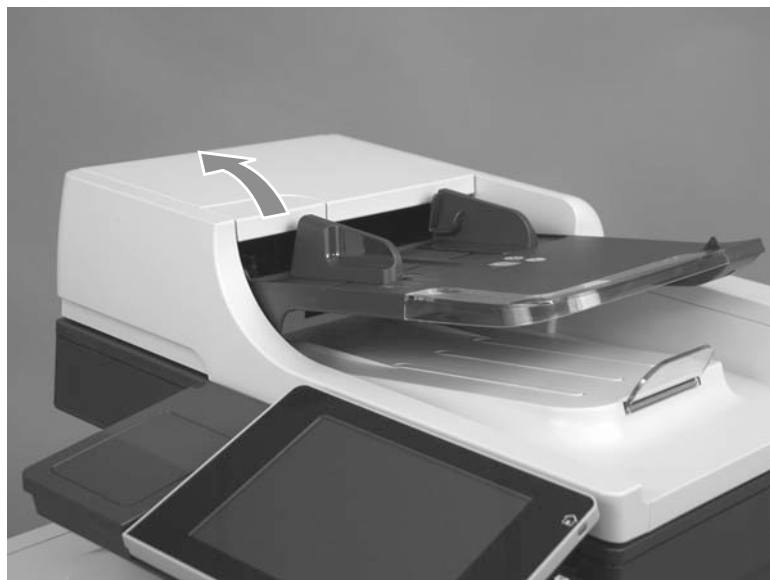
Figure 1-173 Remove the document feeder rear cover (4 of 4)



Deskew mylar and separation mylar

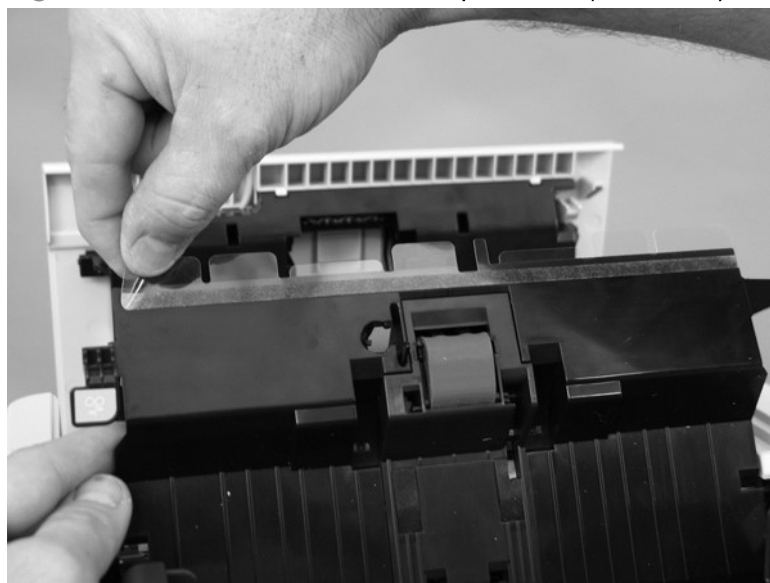
1. Open the jam-access cover.

Figure 1-174 Remove the deskew mylar and separation mylar (1 of 3)



2. Carefully peel off the deskew mylar

Figure 1-175 Remove the deskew mylar and separation mylar (2 of 3)



3. Carefully peel off the separation mylar.

Figure 1-176 Remove the deskew mylar and separation mylar (3 of 3)



Document feeder tray extender

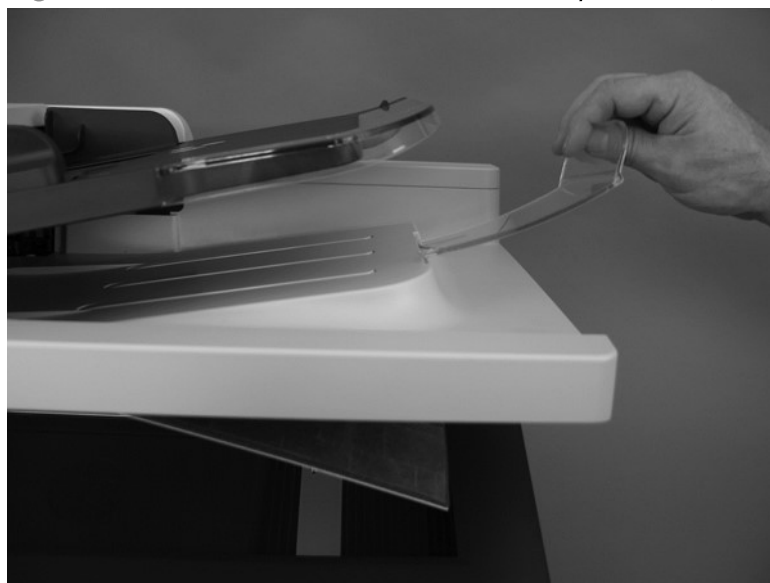
1. Peel the foam reflector back, and then remove four screws.

Figure 1-177 Remove the document feeder tray extender (1 of 2)



2. Pull the document feeder tray extender away from the product to remove.

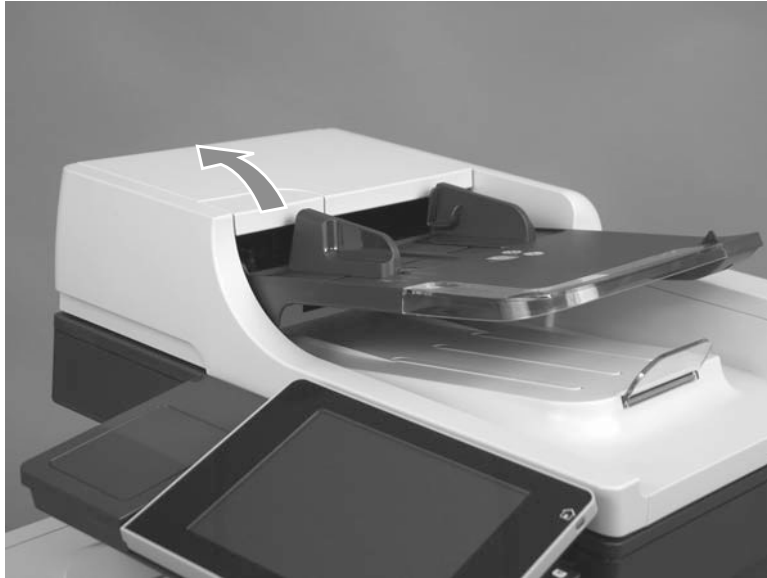
Figure 1-178 Remove the document feeder tray extender (2 of 2)



Document feeder jam-access cover

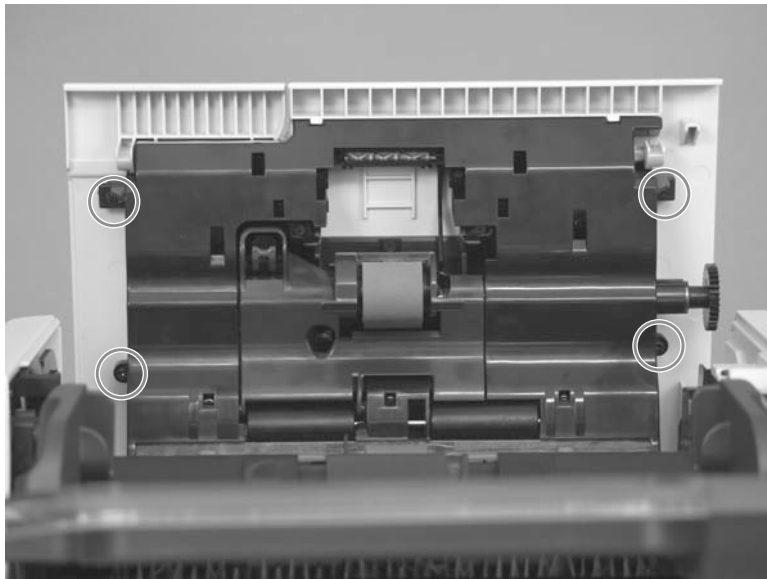
1. Open the document feeder jam-access cover.

Figure 1-179 Remove the document feeder jam-access cover (1 of 5)



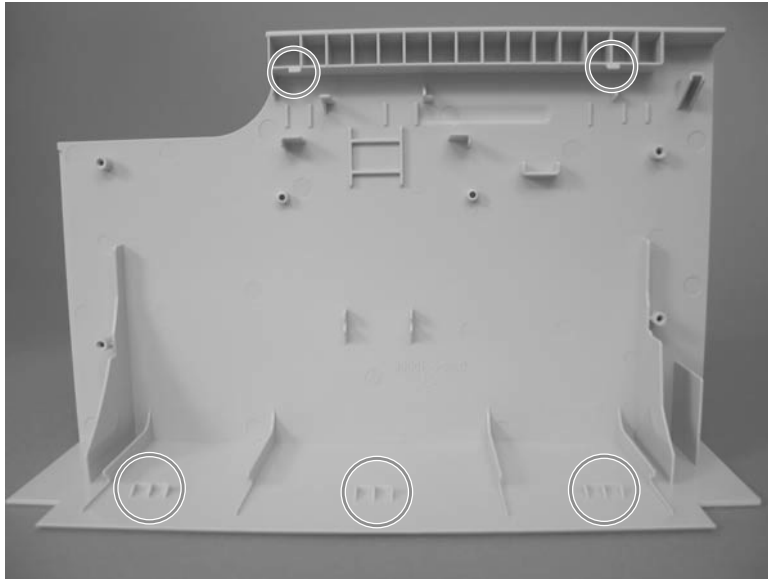
2. Remove four screws.

Figure 1-180 Remove the document feeder jam-access cover (2 of 5)



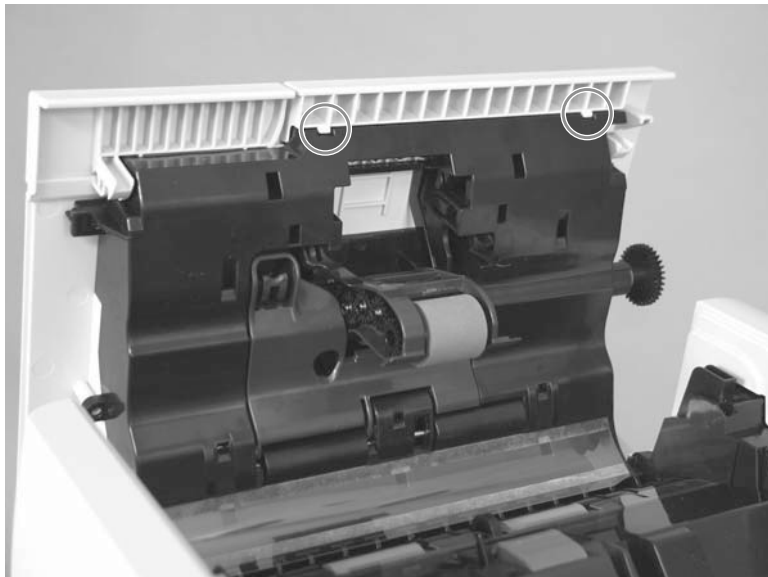
3. Before removing the cover, note the location of the tabs.

Figure 1-181 Remove the document feeder jam-access cover (3 of 5)



4. Release two tabs.

Figure 1-182 Remove the document feeder jam-access cover (4 of 5)



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

Figure 1-183 Remove the document feeder jam-access cover (5 of 5)



Document feeder roller cover

1. Before proceeding, remove the following:
 - Document feeder jam-access cover. See [Document feeder jam-access cover on page 121](#).
2. Remove three springs.


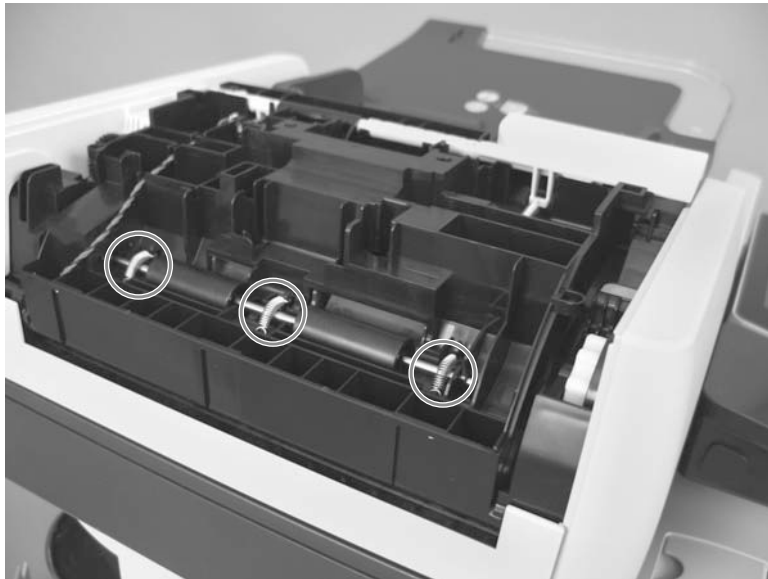
 **Reinstallation tip** Use needle nose pliers to reattach the spring. Attach the spring to the bottom hook first.

Figure 1-184 Remove the document feeder roller cover (1 of 4)



3. Lift and slide the rod.

Figure 1-185 Remove the document feeder roller cover (2 of 4)



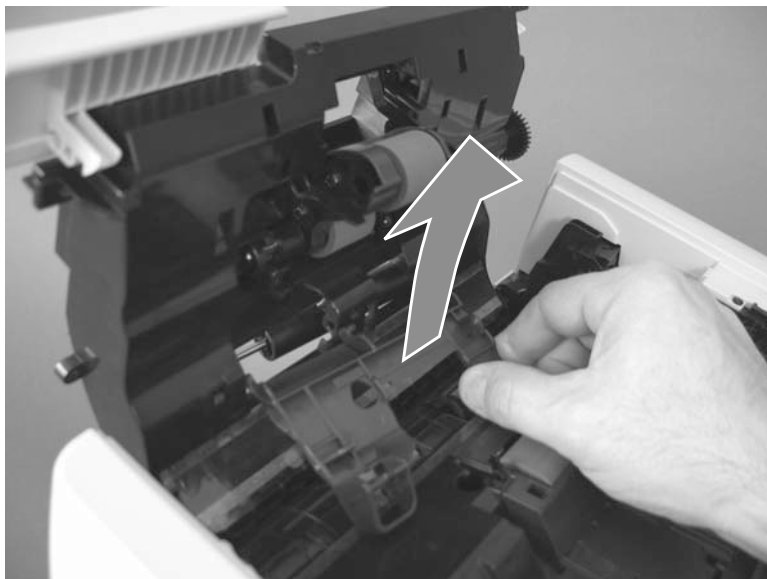
4. Open the document feeder jam access cover. Release one hinge.

Figure 1-186 Remove the document feeder roller cover (3 of 4)



5. Remove the document feeder roller cover.

Figure 1-187 Remove the document feeder roller cover (4 of 4)



Reinstall the document feeder roller cover

- ▲ Make sure the rod for the roller is installed in the correct position (callout 1).


Figure 1-188 Reinstall the document feeder roller cover



Document feeder whole unit

Before proceeding, remove the following:

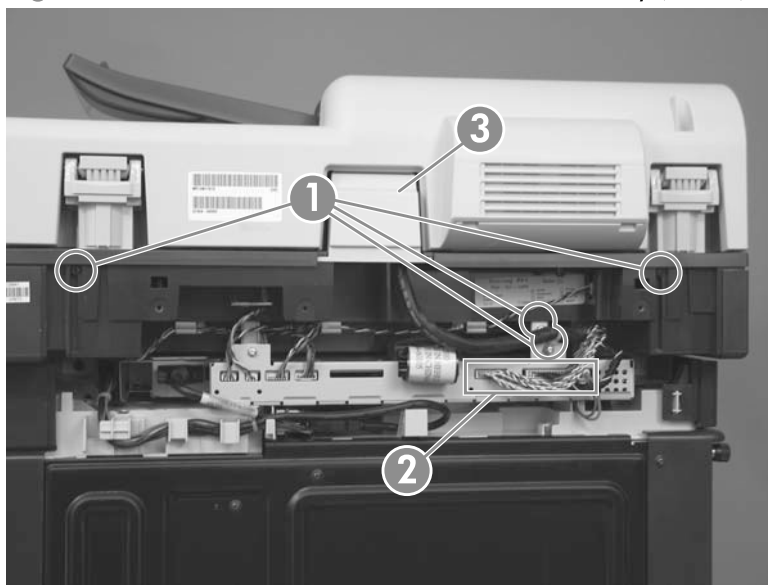
- Rear-upper cover. See [Rear-upper cover on page 95](#).
- Foam reflector kit. See [Foam reflector kit on page 38](#).

 **NOTE:** After removing the document feeder assembly, place it on a clean, dry, and smooth surface.

You must replace the foam reflector kit and calibrate the scanner.

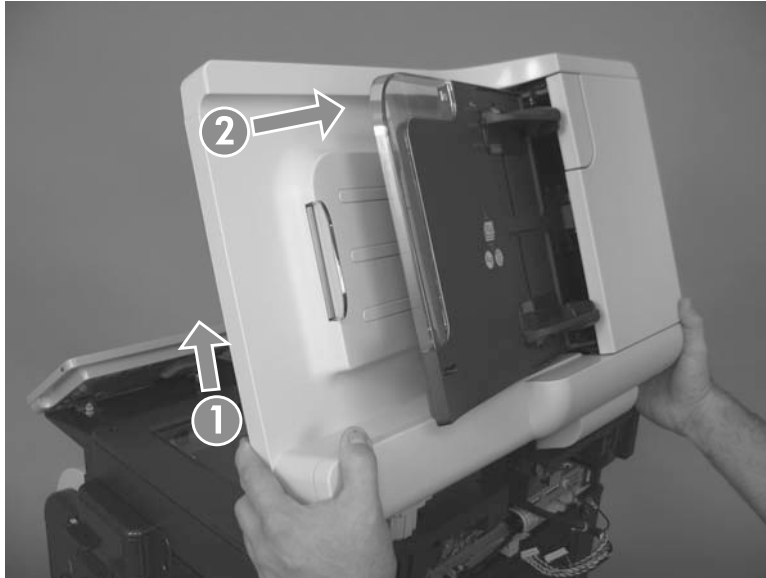
1. Remove four screws (callout 1), release three connectors (callout 2), and remove the document feeder cable cover (callout 3).

Figure 1-189 Remove the document feeder assembly (1 of 2)



2. Open the document feeder. Lift the assembly straight up until it stops (callout 1), and then slightly tilt it (callout 2) toward the rear of the product. Continue lifting the assembly straight up to remove it.

Figure 1-190 Remove the document feeder assembly (2 of 2)



Reinstall the document feeder

Install a foam reflector kit on the new document feeder

- ▲ If a replacement document feeder, image scanner, or both assemblies are installed, you must install a replacement foam reflector kit. See [Foam reflector kit on page 38](#).

Calibrate a replacement document feeder assembly

1. On the control-panel Home screen, scroll to and touch *Device Maintenance*.
2. Touch *Calibration/Cleaning*.
3. Touch *Calibrate Scanner*.
4. Follow the instructions on the control-panel display.

Document feeder whole unit (M575c model)

Before proceeding, remove the following assemblies:

- Rear-upper cover. See the product repair manual.
- Foam reflector kit. See the product repair manual.

Remove the document feeder

1. Remove four screws (callout 1), release three connectors (callout 2), disconnect one FFC (callout 3), and then remove the document feeder cable cover (callout 4).

 **NOTE:** Carefully thread the FFC through, and out of, the ferrite core.


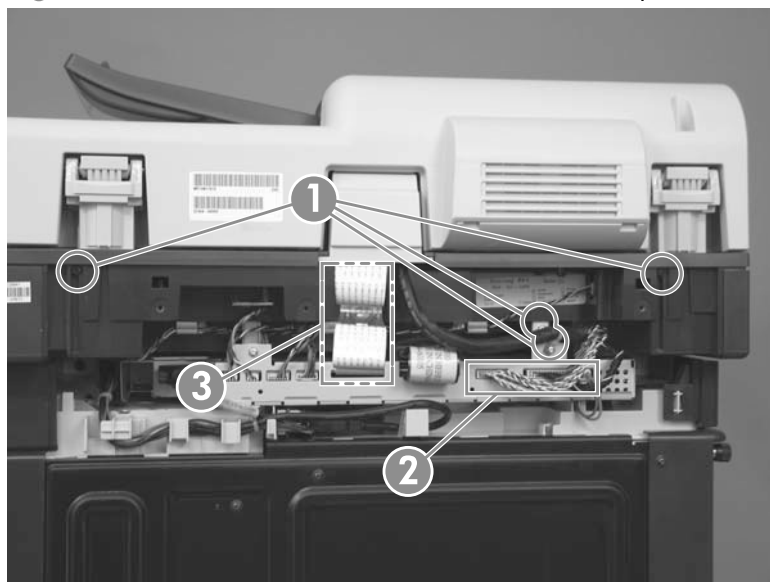
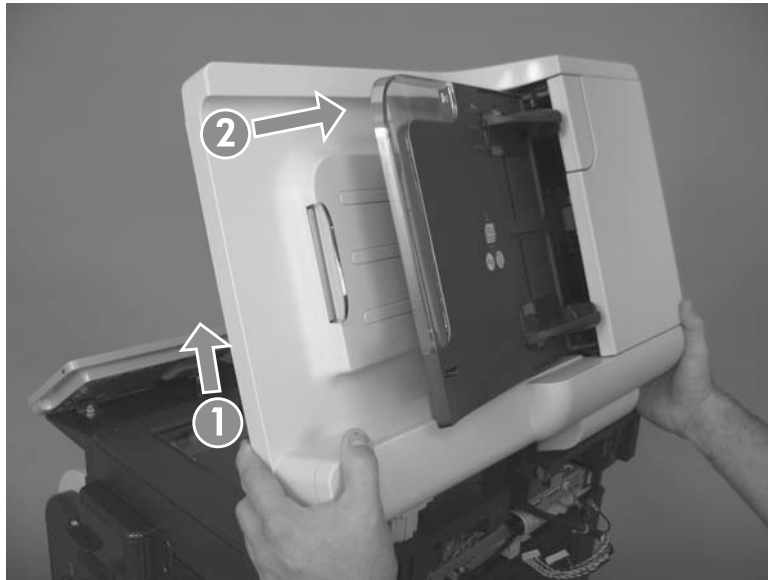
 **Reinstallation tip** When the document feeder is reinstalled, it might be easier to thread the FFC through the ferrite core if you first remove the ferrite core from the holder.

Figure 1-191 Remove the document feeder assembly (M575c model; 1 of 2)



2. Open the document feeder. Lift the assembly straight up until it stops (callout 1), and then slightly tilt it (callout 2) toward the rear of the product. Continue lifting the assembly straight up to remove it.

Figure 1-192 Remove the document feeder assembly (M575c model; 2 of 2)



Reinstall the document feeder

Install a foam reflector kit on the new document feeder

- ▲ If a replacement document feeder, image scanner, or both assemblies are installed, you must install a replacement foam reflector kit. See [Foam reflector kit on page 38](#).

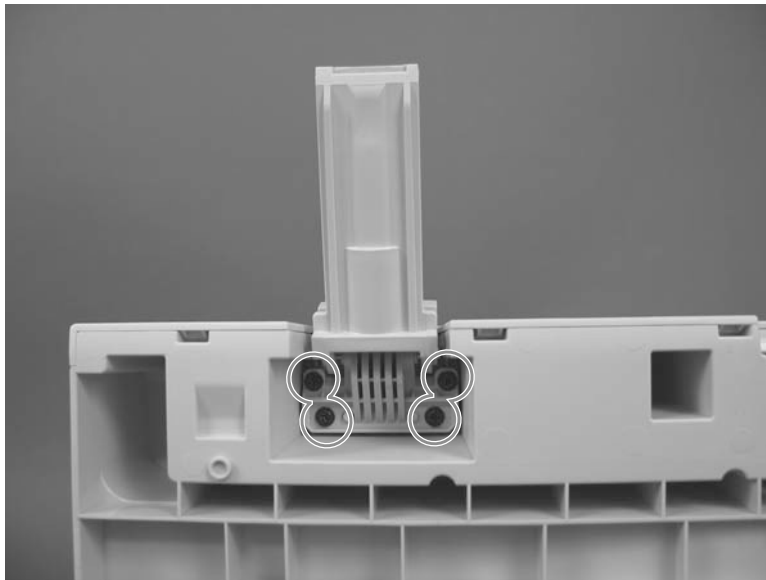
Calibrate a replacement document feeder

1. On the control-panel Home screen, scroll to and touch *Device Maintenance*.
2. Touch *Calibration/Cleaning*.
3. Touch *Calibrate Scanner*.
4. Follow the instructions on the control-panel display.

Document feeder hinge assy

1. Before proceeding, remove the following:
 - Rear-upper cover. See [Rear-upper cover on page 95](#).
 - Foam reflector kit. See [Foam reflector kit on page 38](#).
 - Document feeder whole unit.
 - See [Document feeder whole unit on page 127](#).
 - See [Document feeder whole unit \(M575c model\) on page 130](#).
2. Remove four screws and the hinge assembly.

Figure 1-193 Remove the document feeder hinge assembly



Scanner-control board (SCB)

Before proceeding, remove the following components:

- Rear-upper cover. See [Rear-upper cover on page 95](#).

Remove the SCB

1. Release eight connectors (callout 1), one FFC (callout 2), and then remove two screws (callout 3).


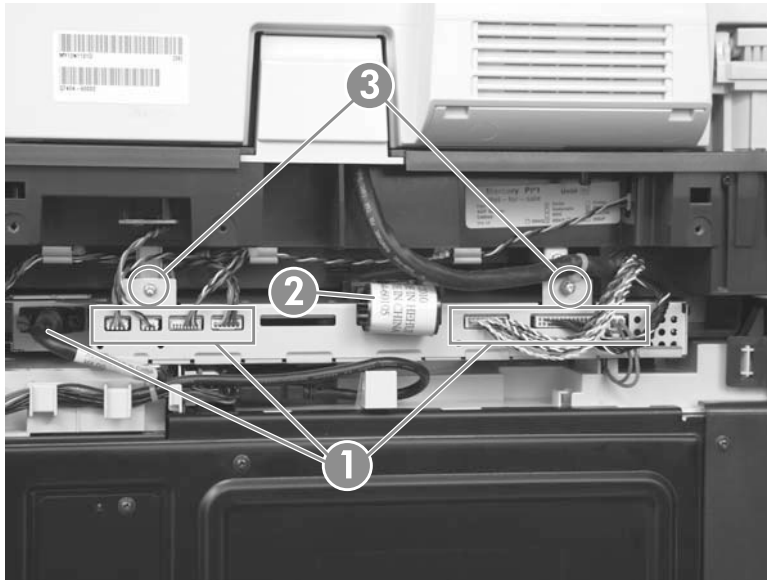
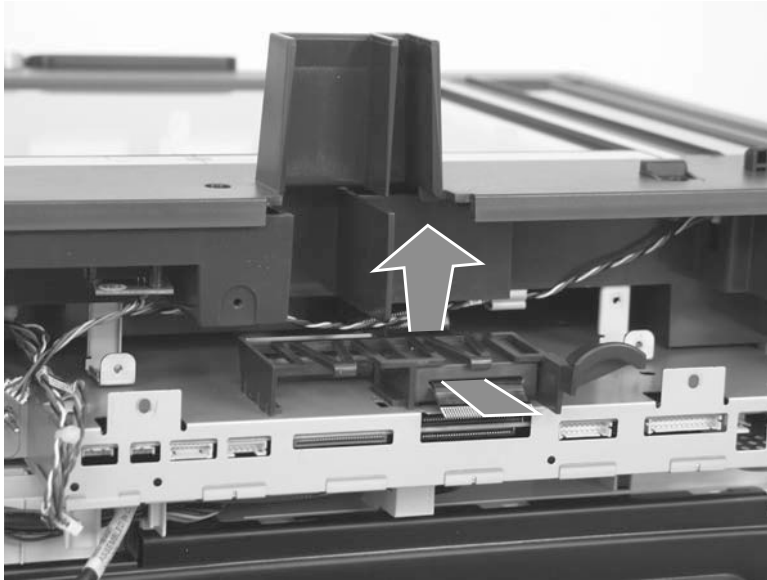
 **NOTE:** The scanner cable at the left-hand edge of the SCB is held in place with one thumbscrew screw.

Figure 1-194 Remove the SCB (1 of 2)



2. Slight pull the SCB out of the product, and then thread the FFC through, and out of, the ferrite core. Remove the SCB.

Figure 1-195 Remove the SCB (2 of 2)

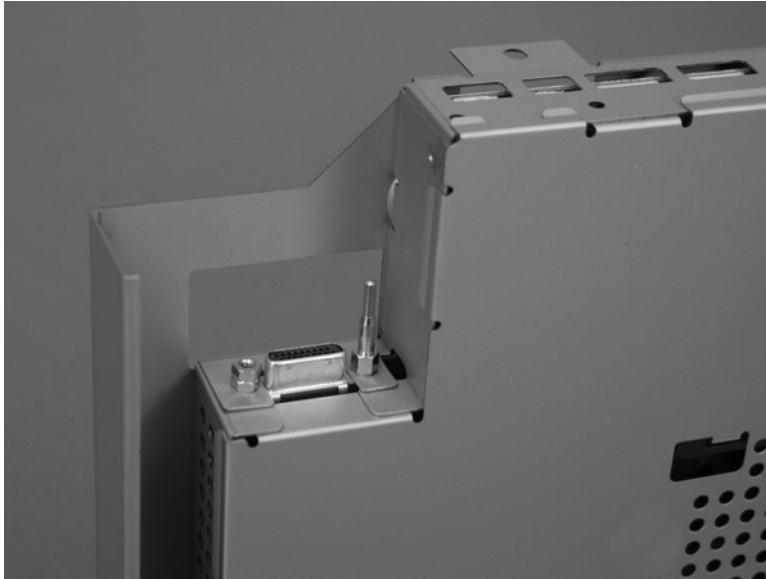


Reinstall the SCB

When reinstalling the SCB, note the locator pin for the scanner cable. It might be easier to install the scanner cable with a screw driver.

⚠ WARNING! Do not over tighten the screw when installing the cable. Over tightening the screw can cause the nut to shear off of the SCB cage.

Figure 1-196 Reinstalling the SCB



📝 NOTE: If you are installing a replacement SCB, transfer the ferrite core and bracket from the discarded SCB to the replacement assembly

💡 Reinstallation tip It might be easier to install the SCB if you remove the ferrite core from the bracket, and then position the SCB in the product.

Thread the FFC through the opening in the back of the bracket, through the ferrite core, and then snap the ferrite core into the bracket.

Scanner-control board (SCB; M575c)

Before proceeding, remove the following components:

- Rear-upper cover. See the product repair manual.

Remove the SCB

1. Release eight connectors (callout 1), two FFCs (callout 2), and then remove two screws (callout 3).


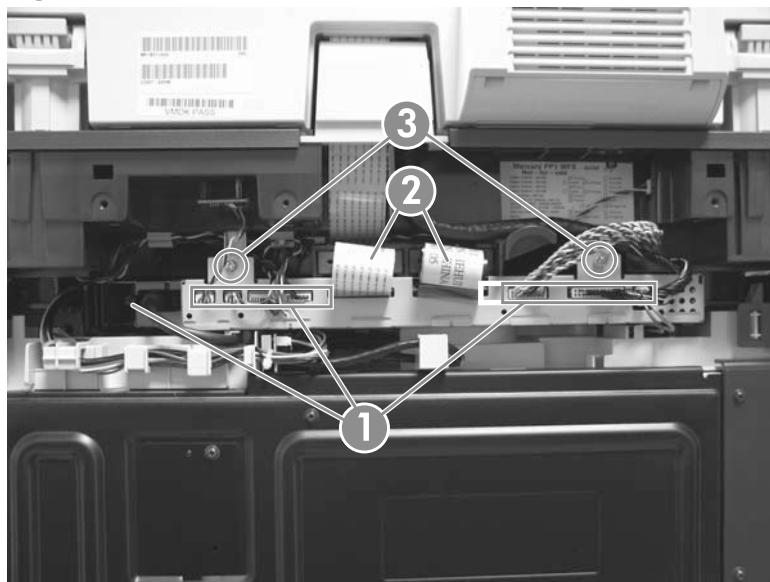
 **NOTE:** The scanner cable at the left-hand edge of the SCB is held in place with one thumbscrew screw.

Figure 1-197 Remove the SCB (1 of 2)



2. Partially pull the SCB out of the product, thread the FFCs through the ferrite cores to release them, and then remove the SCB.

Figure 1-198 Remove the SCB (2 of 2)

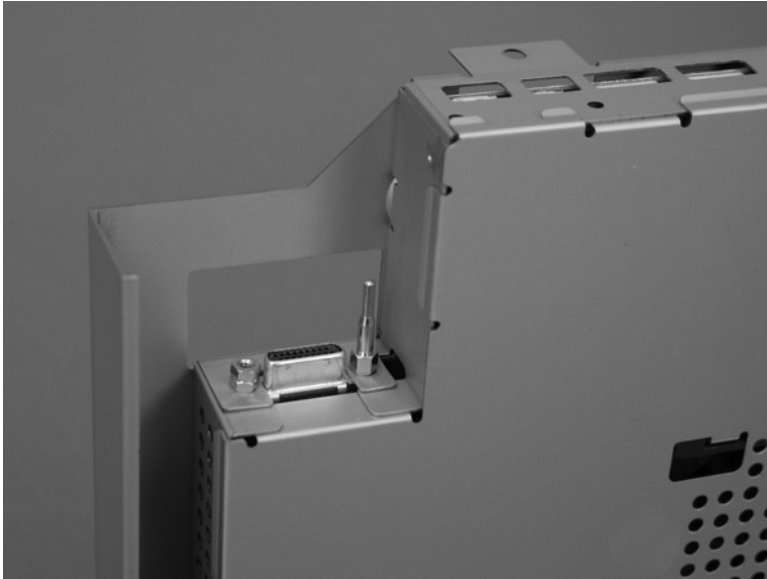


Reinstall the SCB

When reinstalling the SCB, note the locator pin for the scanner cable. It might be easier to install the scanner cable with a screw driver.

⚠ WARNING! Do not over tighten the screw when installing the cable. Over tightening the screw can cause the nut to shear off of the SCB cage.

Figure 1-199 Reinstalling the SCB



📝 NOTE: If you are installing a replacement SCB, transfer the ferrite cores and bracket from the discarded SCB to the replacement assembly

💡 Reinstallation tip It might be easier to install the SCB if you remove the ferrite cores from the bracket, and then position the SCB in the product.

Thread the FFCs through the openings in the back of the bracket, through the ferrite cores, and then snap the ferrite cores into the bracket.

Image scanner whole unit

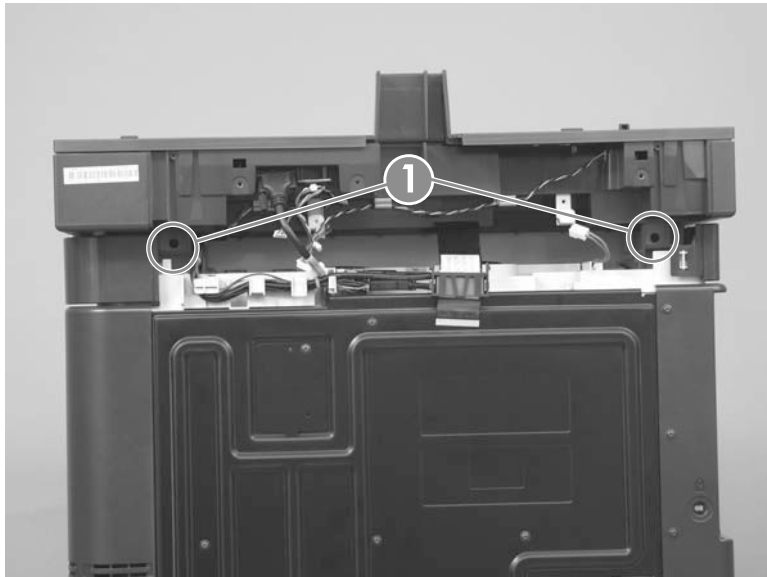
Before proceeding, remove the following components:

- Stapler cover. See [Stapler cover on page 85](#).
- Rear-upper cover. See [Rear-upper cover on page 95](#).
- Left-upper cover. See [Left-upper cover on page 97](#).
- Document feeder whole unit.
 - See [Document feeder whole unit on page 127](#).
 - See [Document feeder whole unit \(M575c model\) on page 130](#).
- Scanner-control board (SCB).
 - See [Scanner-control board \(SCB\) on page 133](#).
 - See [Scanner-control board \(SCB; M575c\) on page 136](#).

Remove the scanner assembly

1. Remove two screws (callout 1).

Figure 1-200 Remove the scanner assembly (1 of 5)



2. Remove one screw on the right side of the scanner.

Figure 1-201 Remove the scanner assembly (2 of 5)



3. Remove one screw on the left side of the scanner.

Figure 1-202 Remove the scanner assembly (3 of 5)



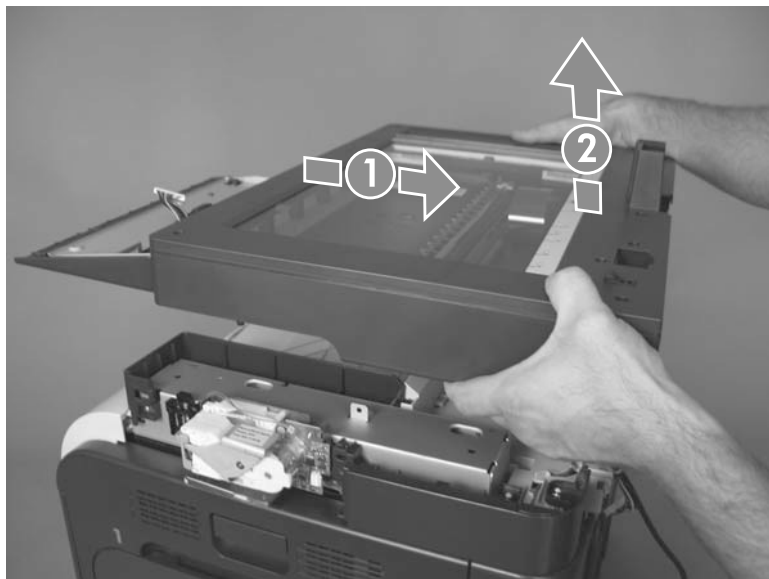
4. Disconnect the control panel cable (callout 1) and the USB cable (callout 2). Release the cables from the retainers (callout 3).

Figure 1-203 Remove the scanner assembly (4 of 5)



5. Slide the scanner toward the back of the product (callout 1) and then lift (callout 2) to remove it.

Figure 1-204 Remove the scanner assembly (5 of 5)



Reinstall the scanner

Transfer the control-panel cable to a replacement image scanner

If you are installing a replacement image scanner, remove the control panel cable from the discarded assembly and then install it on the replacement assembly.

1. Carefully turn the scanner assembly over to access the bottom of the assembly. Note the location of the control-panel cable tie (callout 1) in the slot at the control-panel end of the cable.


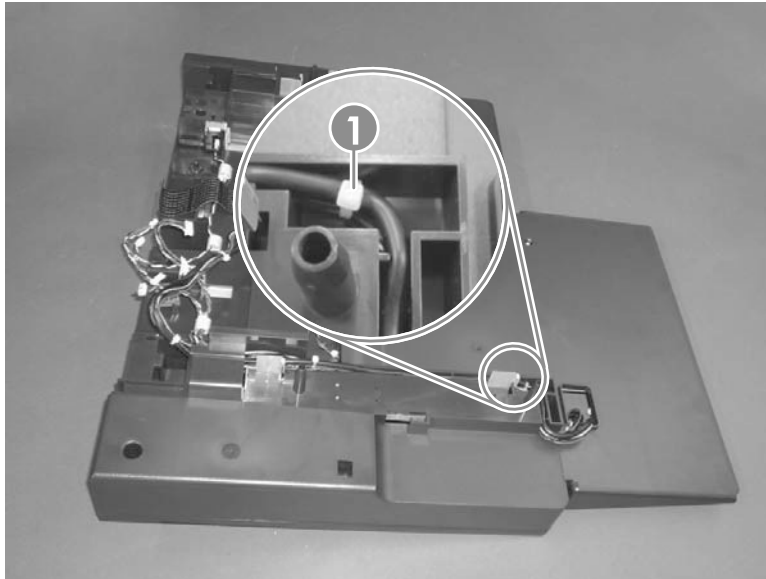
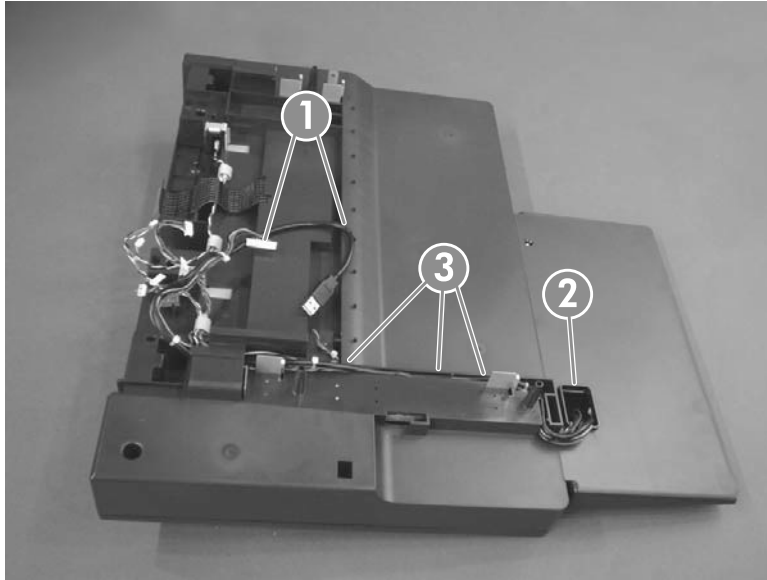
 **TIP:** When the cable is installed on the replacement scanner assembly, this cable tie must be correctly positioned so that the cable will be long enough to reconnect the control panel.

Figure 1-205 Transfer the control-panel cable (1 of 7)



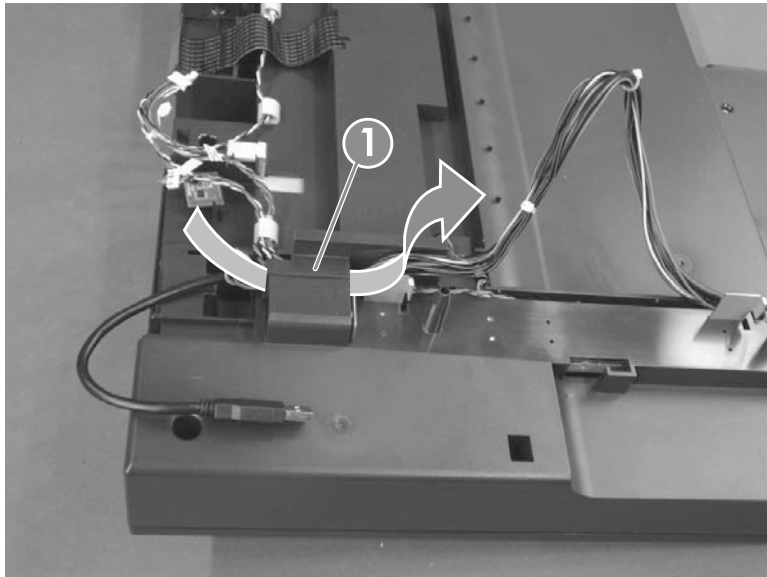
2. Remove the control-panel cable and wire harness (callout 1) from the control-panel access hole (callout 2) and cable channel (callout 3).

Figure 1-206 Transfer the control-panel cable (2 of 7)



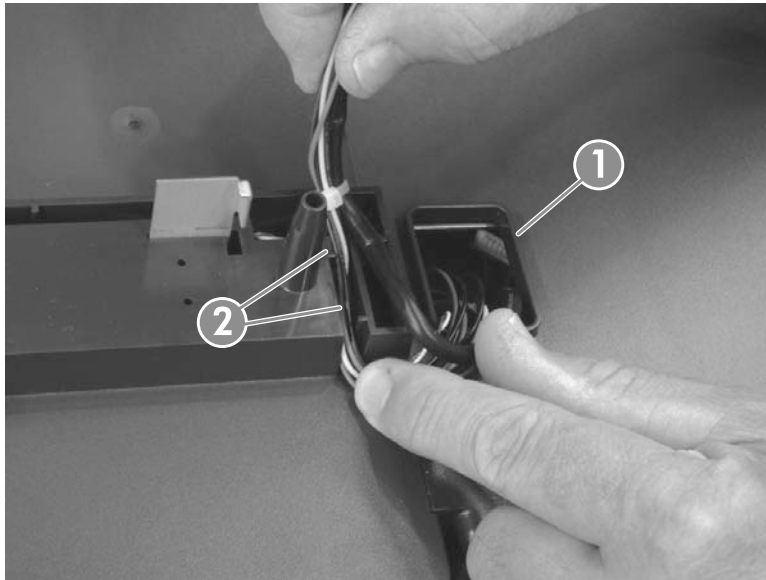
3. Feed the wire harness and cable through the raceway (callout 1) to remove them.

Figure 1-207 Transfer the control-panel cable (3 of 7)



4. On the replacement scanner assembly, feed the control-panel cable and wire harness through the access hole (callout 1), and then lay the wire harness into the channel (callout 2).

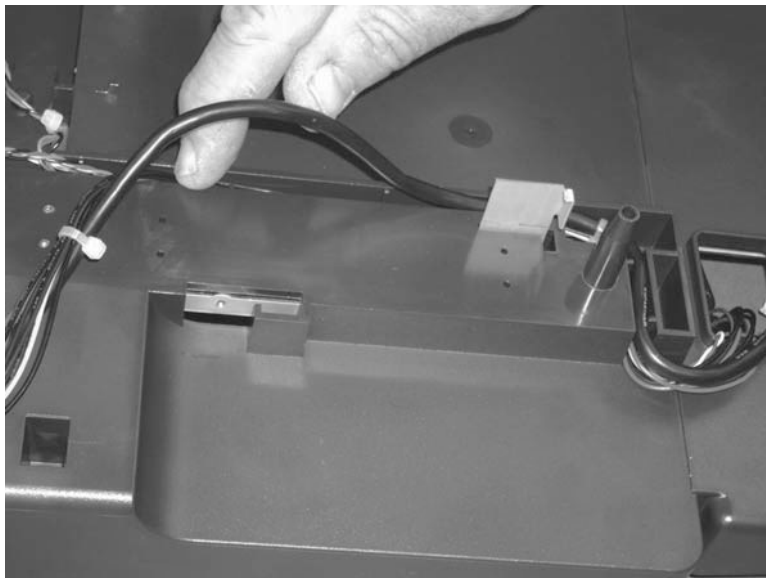
Figure 1-208 Transfer the control-panel cable (4 of 7)



5. Carefully push the control-panel cable into the channel over the wire harness.

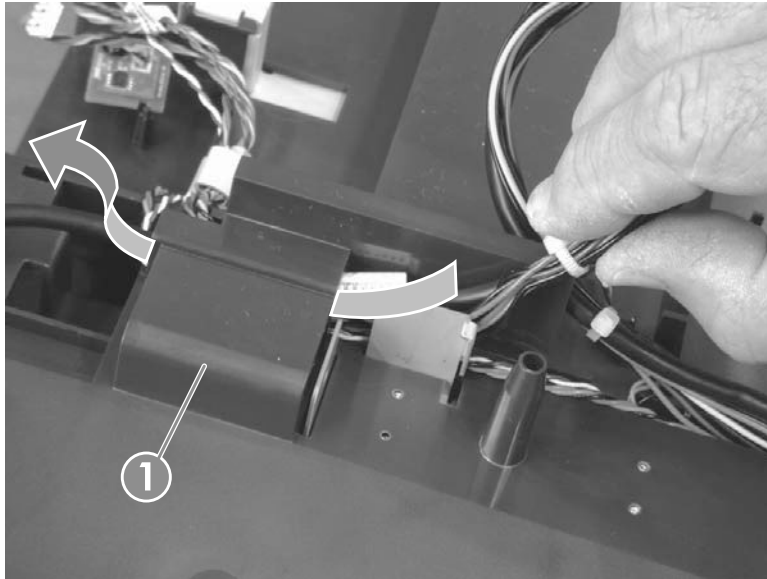
⚠ CAUTION: Make sure that the wire harness is fully seated into the channel before installing the cable. Do not pinch the wire-harness wires between the channel and the cable.

Figure 1-209 Transfer the control-panel cable (5 of 7)



6. Feed the wire harness and cable through the raceway (callout 1).

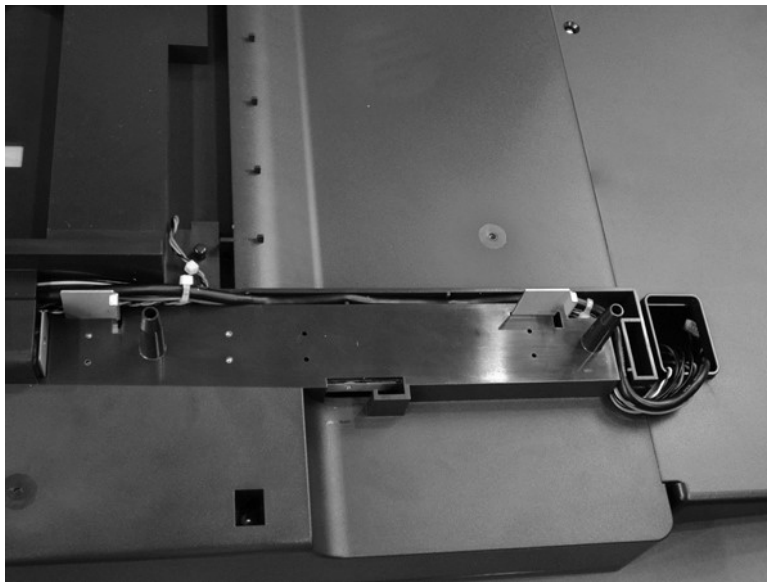
Figure 1-210 Transfer the control-panel cable (6 of 7)



7. With the wire harness and cable installed, make sure that the wire harness and cable are completely installed and in the channel.

CAUTION: Do not pinch the wire-harness wires between the channel and the cable.

Figure 1-211 Transfer the control-panel cable (7 of 7)




Install foam reflector kit (white backing) on the new document feeder

- ▲ If a replacement document feeder, image scanner, or both assemblies are installed, you must install a replacement foam reflector kit. See [Foam reflector kit on page 38](#).

Calibrate the scanner

- 1.** On the control-panel Home screen, scroll to and touch *Device Maintenance*.
- 2.** Touch *Calibration/Cleaning*.
- 3.** Touch *Calibrate Scanner*.
- 4.** Follow the instructions on the control-panel display.

Internal assemblies

 **TIP:** For clarity, some photos in this chapter show components removed that would not be removed to service the product. If necessary, remove the components listed at the beginning of a procedure before proceeding to service the product.

Stapler assembly

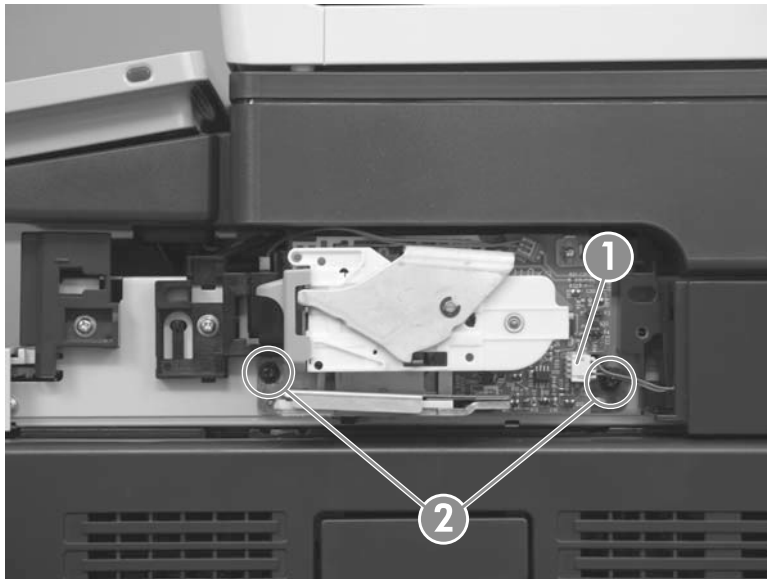
Before proceeding, remove the following components:

- Stapler cover. See [Stapler cover on page 85](#).

Remove the stapler assembly

- ▲ Disconnect one connector (callout 1), remove two screws (callout 2), and then remove the stapler assembly.

Figure 1-212 Remove the stapler assembly



Interconnect board (ICB)

⚠ WARNING! **Do not** remove the ICB from a product and then install it into a **different** product. Failure to follow this warning will result in severe damage to that product and cause it to be unusable. HP recommends that if you remove and replace the ICB, you should destroy the discarded ICB so that it can not accidentally be installed in a different product.

Before proceeding, remove the following components:

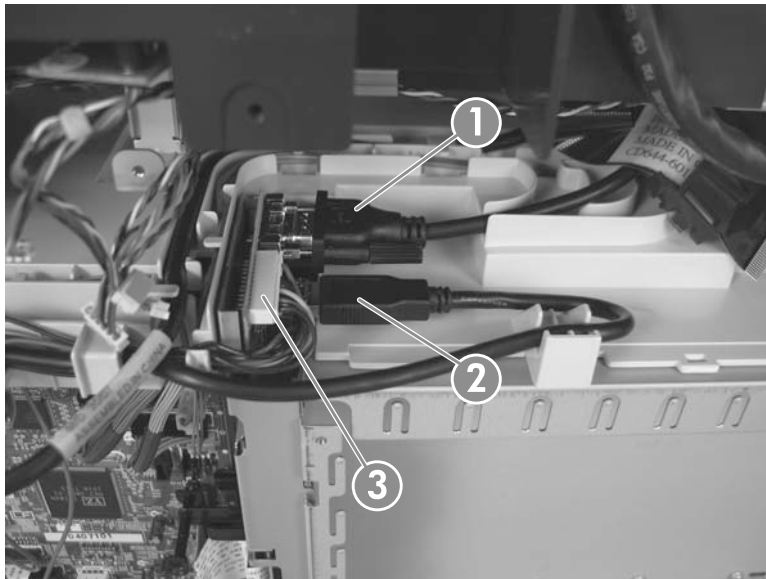
- Toner-collection unit. See [Toner-collection unit on page 15](#).
- Formatter PCA. See [Formatter PCA on page 17](#).
- Right-rear cover. See [Right-rear cover on page 90](#).
- Left cover. See [Left cover on page 92](#).
- Rear-upper cover. See [Rear-upper cover on page 95](#).
- Rear cover. See [Rear cover on page 98](#).

Remove the ICB

NOTE: To locate DC controller connector locations, see [DC controller PCA on page 8](#).

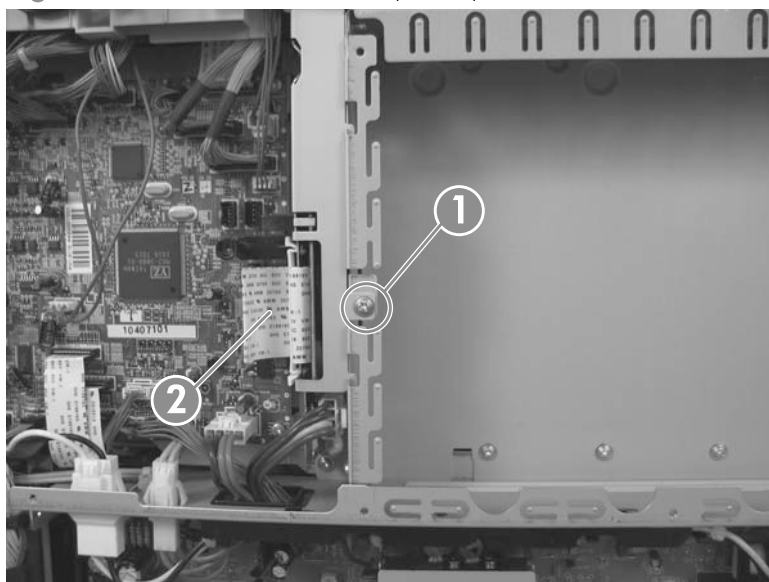
1. Disconnect the scanner cable (callout 1), the USB cable (callout 2), and the control panel connector (callout 3).

Figure 1-213 Remove the ICB (1 of 3)



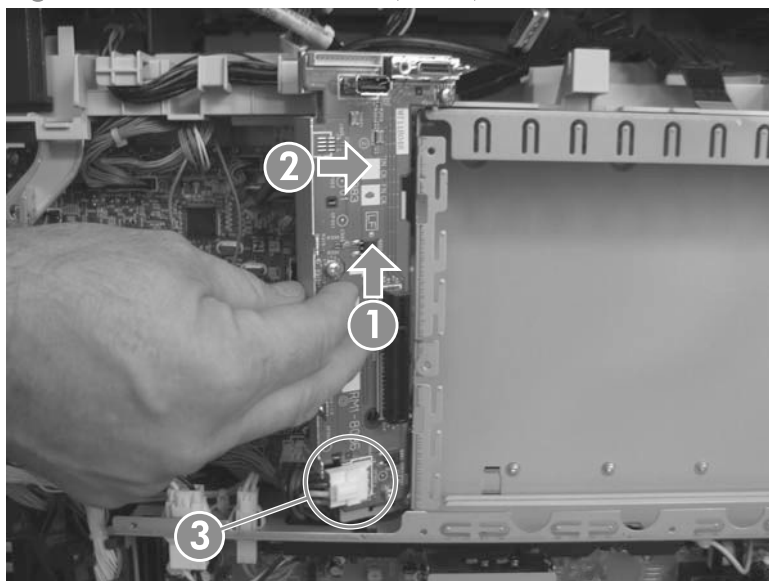
2. Remove one screw (callout 1) and disconnect one FFC (callout 2).

Figure 1-214 Remove the ICB (2 of 3)



3. Slide the ICB up (callout 1), and then carefully rotate the ICB (callout 2). Disconnect one connector (callout 3) and remove the ICB.

Figure 1-215 Remove the ICB (3 of 3)



DC controller PCA and tray

Before proceeding, remove the following components:

- Toner-collection unit. See [Toner-collection unit on page 15](#).
- Formatter PCA. See [Formatter PCA on page 17](#).
- Right-rear cover. See [Right-rear cover on page 90](#).
- Left cover. See [Left cover on page 92](#).
- Rear-upper cover. See [Rear-upper cover on page 95](#).
- Rear cover. See [Rear cover on page 98](#).
- Interconnect board (ICB). See [Interconnect board \(ICB\) on page 148](#).

Remove the DC controller PCA and tray

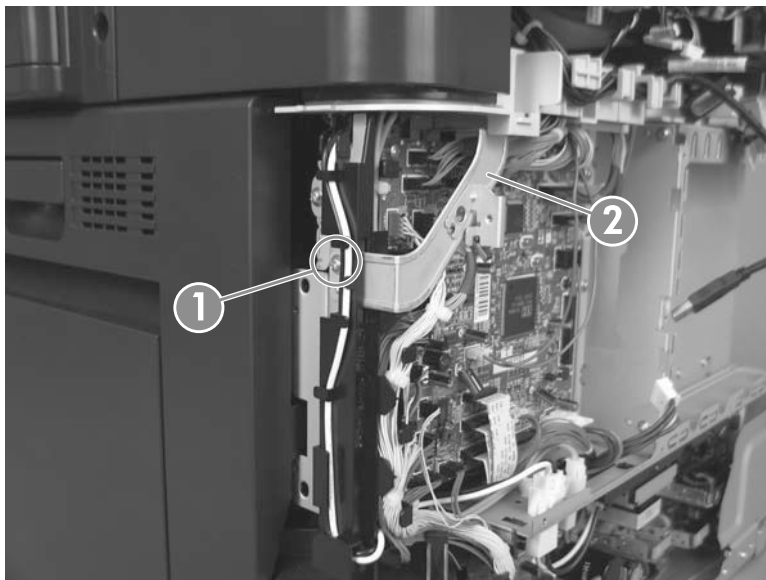
CAUTION:  ESD-sensitive part.

TIP: To access components behind the DC controller PCA, remove the PCA and the sheet-metal tray together. Disconnect all of the connectors on the PCA, and then remove five screws and the bracket, see [Figure 1-216 Remove the DC controller PCA and tray \(1 of 4\) on page 150](#) and [Figure 1-219 Remove the DC controller PCA and tray \(4 of 4\) on page 152](#).

NOTE: To locate DC controller connector locations, see [DC controller PCA on page 8](#).

1. Remove one screw (callout 1), and then remove the sheet-metal bracket (callout 2).

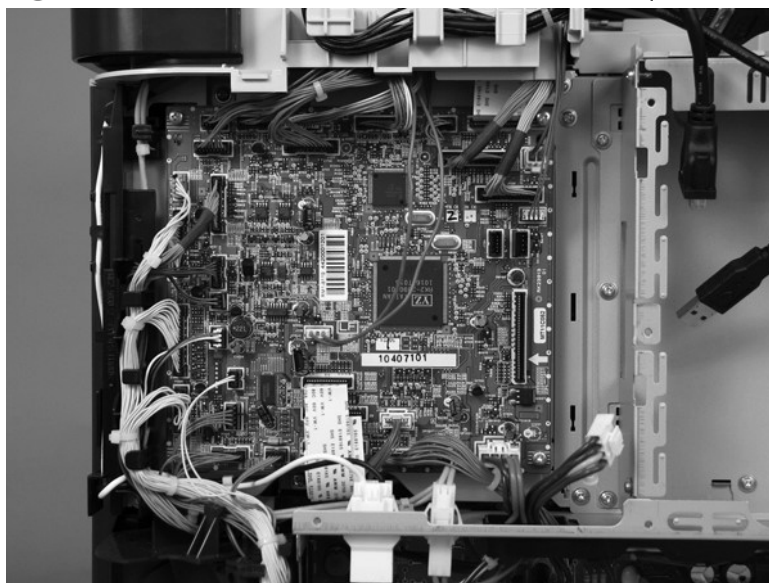
Figure 1-216 Remove the DC controller PCA and tray (1 of 4)



2. Disconnect all the connectors.

 **Reinstallation tip** The connector locations J133 and J134 are not used.

Figure 1-217 Remove the DC controller PCA and tray (2 of 4)



3. Remove four screws, and then remove the DC controller PCA.


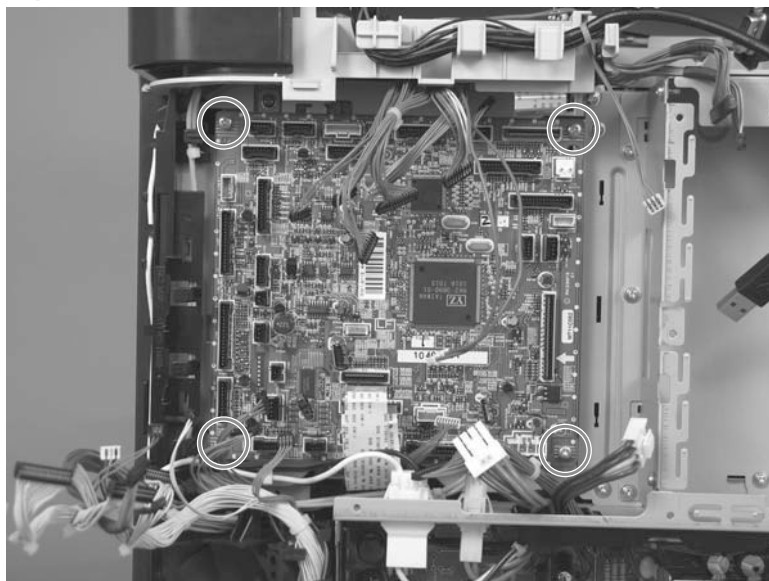
 **NOTE:** If removing the PCA with the sheet metal tray, skip this step and go to step 4.

Figure 1-218 Remove the DC controller PCA and tray (3 of 4)



4. If necessary, remove three screws (callout 1) and the sheet metal tray.


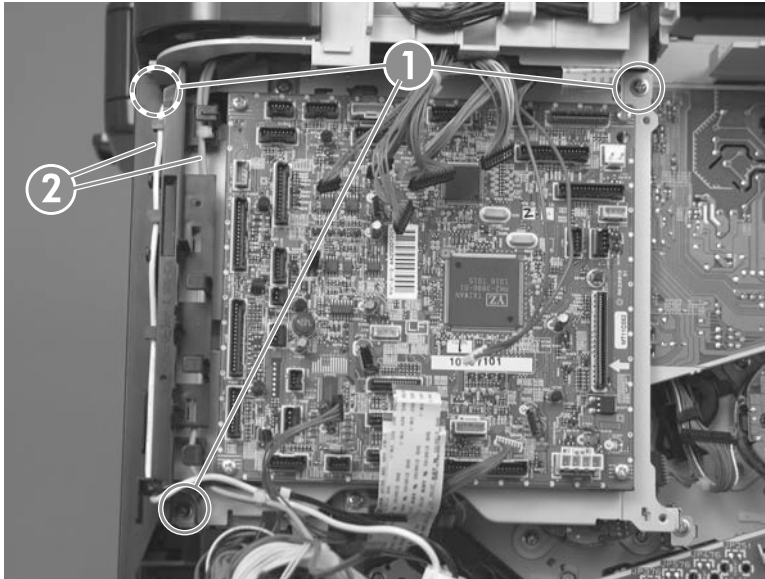
 **NOTE:** Correctly install the cables in the cable guide (callout 2).


Figure 1-219 Remove the DC controller PCA and tray (4 of 4)



Low-voltage power supply (LVPS)


Before proceeding, remove the following components:

- Toner-collection unit. See [Toner-collection unit on page 15](#).
- Formatter PCA. See [Formatter PCA on page 17](#).
- Right-rear cover. See [Right-rear cover on page 90](#).
- Left cover. See [Left cover on page 92](#).
- Rear-upper cover. See [Rear-upper cover on page 95](#).
- Rear cover. See [Rear cover on page 98](#).
- Interconnect board (ICB). See [Interconnect board \(ICB\) on page 148](#).

 **NOTE:** If you are removing the power supply for internal product access, it is recommended that you leave the ICB installed on the power supply assembly.

Remove the LVPS

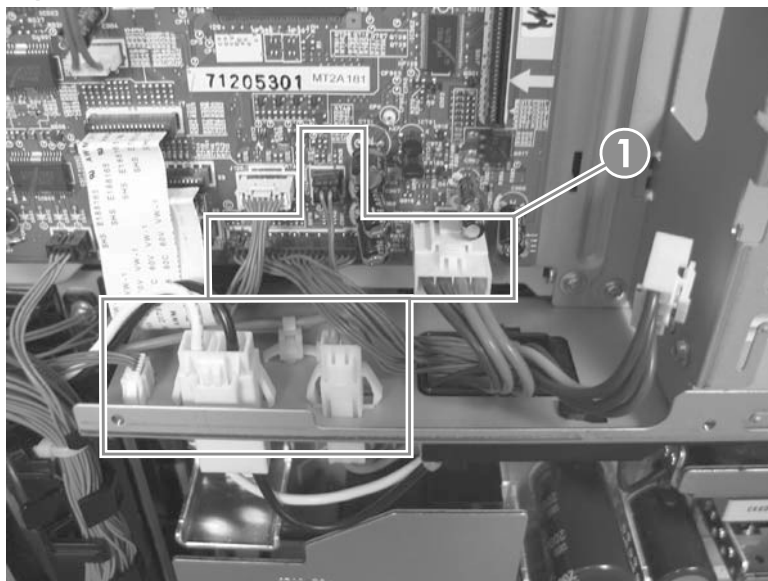
 **CAUTION:**  ESD-sensitive part.

 **NOTE:** The formatter cage is attached to the LVPS. Both components are removed as an assembly, and then the formatter cage is removed from the LVPS.

1. Disconnect six connectors (callout 1; J100, J101, J143 on the DC controller PCA).

 **NOTE:** To locate DC controller connector locations, see [DC controller PCA on page 8](#).

Figure 1-220 Remove the LVPS (1 of 8)



2. Push in on the locking tab to release the retainer (callout 2), and then separate the retainer from the assembly.


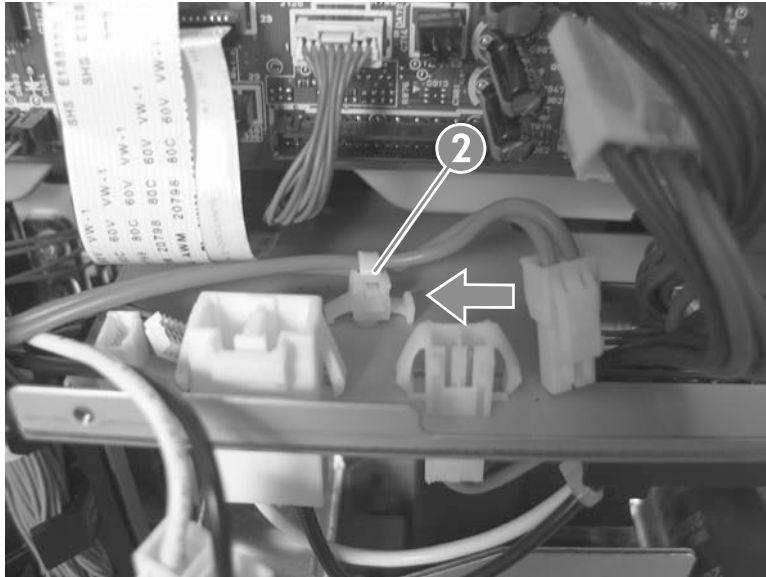
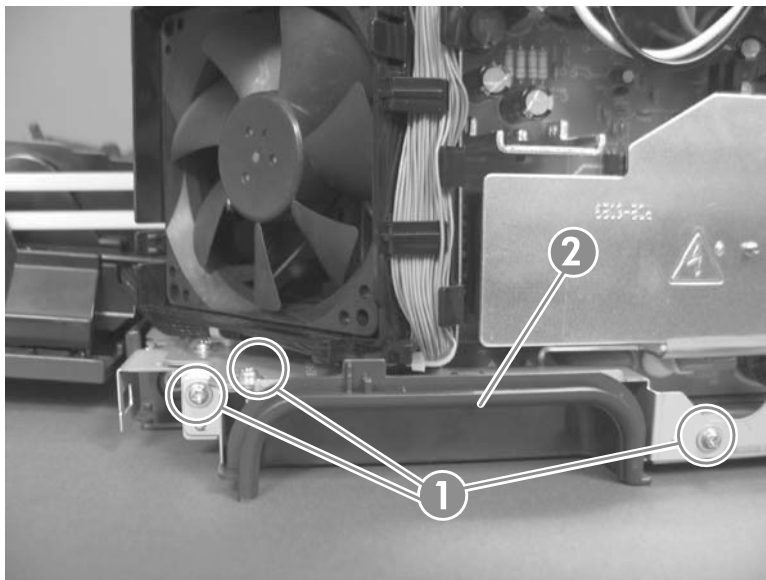
 **NOTE:** The retainer remains attached to the wire harness, and is disengaged from the assembly.

Figure 1-221 Remove the LVPS (2 of 8)



3. Remove three screws (callout 1), and then remove the handle (callout 2).

Figure 1-222 Remove the LVPS (3 of 8)



4. Remove five screws.


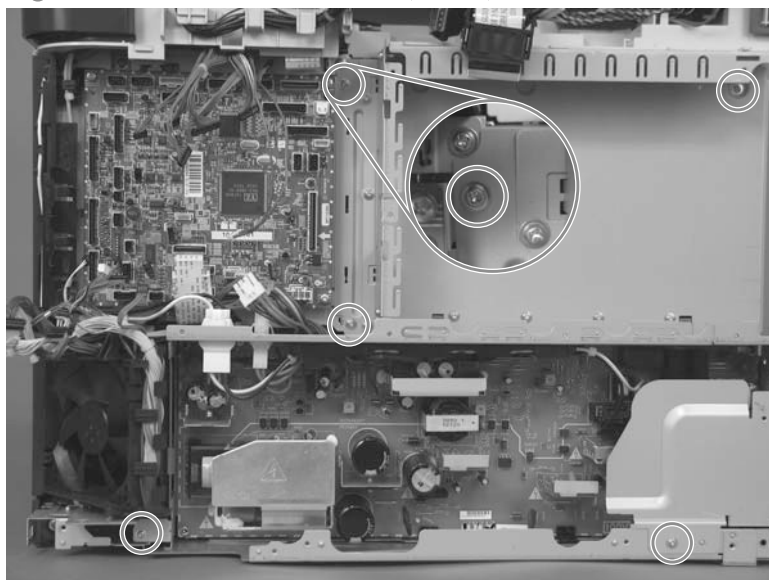
 **NOTE:** The illustration below shows the ICB removed.

Figure 1-223 Remove the LVPS (4 of 8)



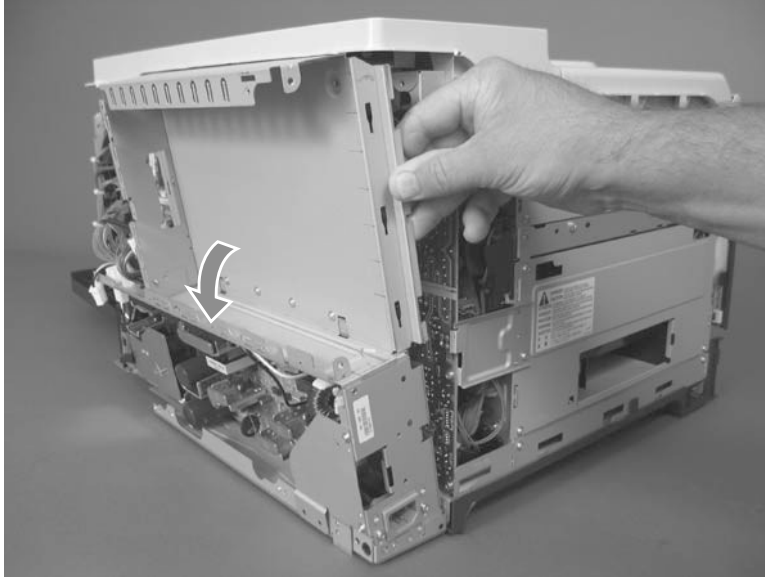
5. Remove two screws.

Figure 1-224 Remove the LVPS (5 of 8)



6. Rotate the formatter cage away from the top of the product.

Figure 1-225 Remove the LVPS (6 of 8)



7. Remove the assembly.

Figure 1-226 Remove the LVPS (7 of 8)

