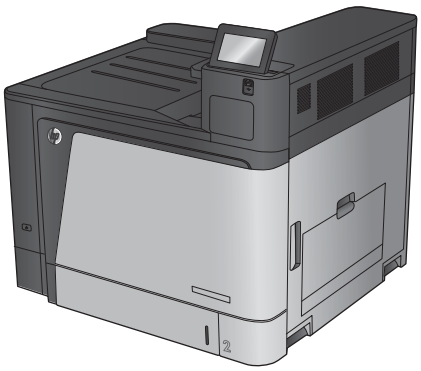
LASERJET ENTERPRISE M855
LASERJET ENTERPRISE FLOW MFP M880

Repair Manual



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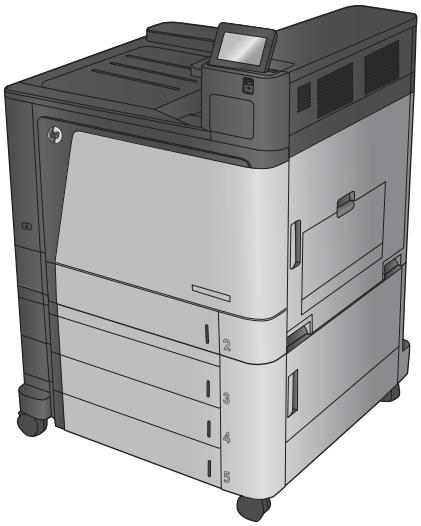

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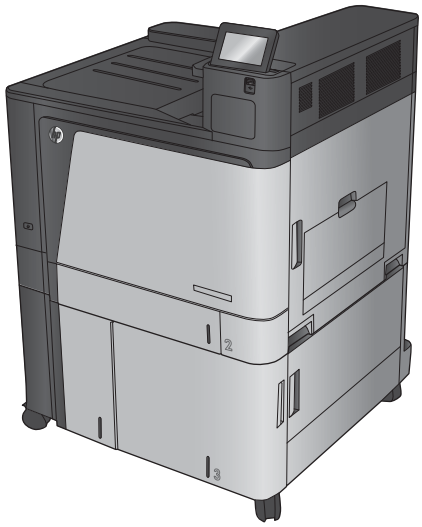

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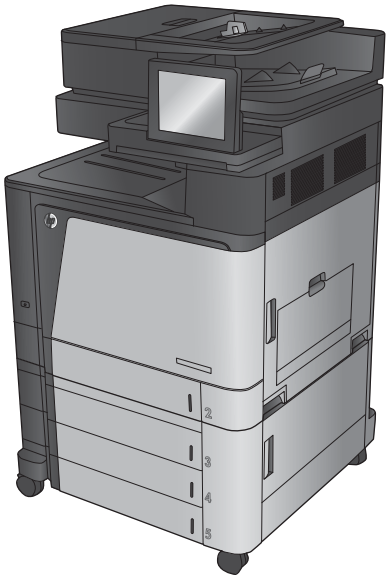

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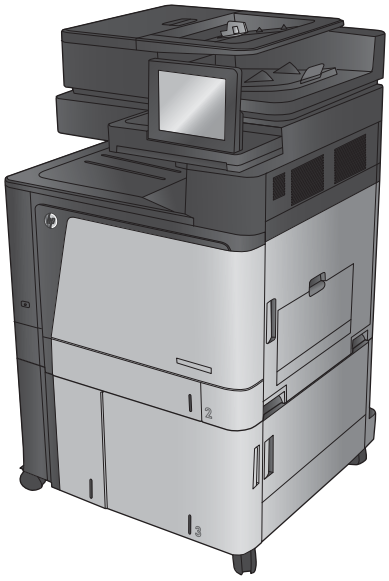

M880z+

HP Color LaserJet Enterprise M855 and flow MFP M880

Repair Manual

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Conventions used in this guide

TIP: Helpful hints or shortcuts.

NOTE: Information that explains a concept or how to complete a task.

IMPORTANT: Information to help you avoid potential product error conditions.

CAUTION: Procedures that you should follow to avoid losing data or damaging the product.

WARNING! Alerts you to specific procedures that you must follow to avoid personal injury, catastrophic loss of data, or extensive damage to the product.

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1 Removal and replacement

- Removal and replacement strategy
- Customer-self repair assemblies
- Pickup, feed, and separation rollers and pads
- Covers and doors
- Main assemblies
- Input accessories
- Intermediate paper transport unit (IPTU)
- Finishing accessories

Removal and replacement strategy

Considerations 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. Notes are included to provide directions for difficult or critical replacement procedures.

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

WARNING! 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.

WARNING! The sheet-metal parts can have sharp edges. Be careful when handling sheet-metal parts.

CAUTION:

Some parts are sensitive to electrostatic discharge (ESD). Look for the ESD reminder when removing product parts. Always perform service work at an ESD-protected workstation or mat. If an ESD workstation or mat is not available, ground yourself by touching the sheet-metal chassis *before* touching an ESD-sensitive part.

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

CAUTION: Do not bend or fold the flat cables during removal or installation.

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

TIP: For clarity, some figures in this chapter show assemblies removed that are not required to be removed to service the product (for example, the M880 scanner and document feeder assemblies). The procedures in this manual are correct for your product.

Required tools

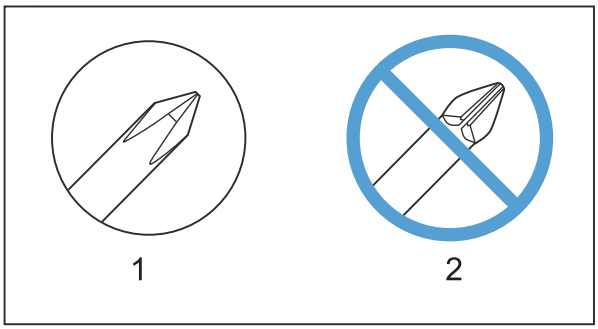
- #2 Phillips screwdriver with a magnetic tip and a 152-mm (6-in) shaft length

  NOTE: For the best fit, use a JIS #2 Phillips screwdriver for the stapler/stacker.

- Small, flat-blade screwdriver
- Needle-nose pliers
- ESD strap (if one is available)
- Penlight

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 Screwdrivers



Types of screws

WARNING! Make sure that assemblies are replaced with the correct screw type. Using the incorrect screw (for example, substituting a long screw for the correct shorter screw) can cause damage to the product or interfere with product operation. Do not intermix screws that are removed from one assembly with the screws that are removed from another assembly.

For a complete list of screw types and part numbers, see the Parts chapter in the product repair manual.

Service approach

The products described in this manual use a field repair strategy. Defective parts are diagnosed and replaced at the Field Replaceable Unit (FRU) assembly level. 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 troubleshooting manual.

After you locate a faulty part, the product can usually be repaired at the assembly level by replacing FRUs. Some mechanical assemblies might need to be repaired at the subassembly level. Hewlett-Packard Company does not support replacement of components on the printed circuit assembles.

The user replaces toner cartridges as they are depleted. Additional instructions about other user-replaceable parts are provided in this section.

The product tracks the amount of use on the customer-replaceable supplies by keeping a page count. The product prompts the user to replace certain items when a supply is depleted or a specific number of pages has been printed.

Swapping toner cartridges between products might cause a misrepresentation of supply life values and is not recommended.

Before performing service

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

1. Remove all paper.
2. Place the product on an ESD mat (if available). If an ESD workstation or mat is not available, ground yourself by touching the sheet-metal chassis *before* touching an ESD-sensitive part.
3. Remove the toner cartridges.
4. Remove the imaging drums.
5. Remove the trays.

After performing service

1. Reinstall the toner cartridges.
2. Reinstall the trays.
3. Reinstall the imaging drums.
4. Return all paper to the trays.
5. Plug in the power cable and turn on the product.
6. Perform print-quality tests by printing from a host computer, the scanner glass, and the document feeder.

Parts removal order

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

Supported paper sizes and types

If the product is experiencing assembly failure, use the tables in this section to verify that the customer is using media that meets HP specifications.

- Supported paper sizes for the input trays and duplexer
- Supported paper types for the input trays and duplexer
- Supported paper sizes for the finishing accessories
- Supported paper types for the finishing accessories

Supported paper sizes for the input trays and duplexer

NOTE: To obtain the best results, select the correct paper size and type in the print driver before printing.

Table 1-1 Supported paper sizes for the input trays and duplexer

Size and dimensions	Tray 1	Tray 2	3x500-sheet trays	3,500-sheet high-capacity trays	Automatic duplex printing
Letter 279 x 216 mm (11 x 8.5 in)	✓	✓	✓	✓	✓
Letter Rotated 216 x 279 mm (8.5 x 11 in)	✓	✓	✓		✓
Legal 216 x 356 mm (8.5 x 14 in)	✓	✓	✓		✓
Executive 267 x 184 mm (10.5 x 7.3 in)	✓	✓	✓		✓
Statement 216 x 140 mm (8.5 x 5.5 in)	✓				✓
Oficio (8.5 x 13) 216 x 330 mm (8.5 x 13 in)	✓	✓	✓		✓
11 x 17 279 x 432 mm (11 x 17 in)	✓	✓			✓
12 x 18 305 x 457 mm (12 x 18 in)	✓		✓		✓
3 x 5 76 x 127 mm (3 x 5 in)	✓				
4 x 6 101 x 152 mm (4 x 6 in)	✓				
5 x 7 127 x 178 mm (5 x 7 in)	✓				
5 x 8 127 x 203 mm (5 x 8 in)	✓				
A3 297 x 420 mm (11.7 x 16.5 in)	✓	✓	✓		✓
A4 297 x 210 mm (11.7 x 8.3 in)	✓	✓	✓	✓	✓

Table 1-1 Supported paper sizes for the input trays and duplexer (continued)

Size and dimensions	Tray 1	Tray 2	3x500-sheet trays	3,500-sheet high-capacity trays	Automatic duplex printing
A4 Rotated 210 x 297 mm (8.3 x 11.7)	✓	✓	✓		✓
A5 148 x 210 mm (5.8 x 8.3 in)	✓	✓	✓		✓
A6 105 x 148 mm (4.2 x 5.8 in)	✓				
RA3 305 x 430 mm (12 x 17 in)	✓		✓		✓
RA4 215 x 305 mm (8.5 x 12 in)	✓		✓		✓
SRA3 320 x 450 mm (12.6 x 17.7 in)	✓		✓		✓
SRA4 225 x 320 mm (8.9 x 12.6 in)	✓	✓	✓		✓
B4 (JIS) 257 x 364 mm (10.1 x 14.3 in)	✓	✓	✓		✓
B5 (JIS) 257 x 182 mm (10.1 x 7.2 in)	✓	✓	✓		✓
B6 (JIS) 128 x 182 mm (5.1 x 7.2 in)	✓				
Oficio (216 x 340) 215.9 x 340 mm (8.5 x 13.4 in)	✓	✓	✓		✓
8K 270 x 390 mm 270 x 390 mm (10.6 x 15.4 in)	✓	✓	✓		✓
16K 195 x 270 mm 270 x 195 mm (10.6 x 7.7 in)	✓	✓	✓		✓
8K 260 x 368 mm 260 x 368 mm (10.2 x 14.5 in)	✓	✓	✓		✓
16K 184 x 260 mm 260 x 184 mm (10.2 x 7.2 in)	✓	✓	✓		✓
8K 273 x 394 mm 273 x 394 mm (10.8 x 16 in)	✓	✓	✓		✓

Table 1-1 Supported paper sizes for the input trays and duplexer (continued)

Size and dimensions	Tray 1	Tray 2	3x500-sheet trays	3,500-sheet high-capacity trays	Automatic duplex printing
16K 197 x 273 mm 273 x 197 mm (10.8 x 7.8 in)	✓	✓	✓		✓
D Postcard (JIS) 148 x 200 mm (5.8 x 7.9 in)	✓				
Envelope #9 98 x 225 mm (3.9 x 8.9 in)	✓				
Envelope #10 105 x 241 mm (4.1 x 9.5 in)	✓				
Envelope Monarch 98 x 191 mm (3.9 x 7.5 in)	✓				
Envelope B5 176 x 250 mm (6.9 x 9.8 in)	✓				
Envelope C5 162 x 229 mm (6.4 x 9 in)	✓				
Envelope C6 114 x 162 mm (4.5 x 6.4in)	✓				
Envelope DL 110 x 220 mm (4.3 x 8.7 in)	✓				
Custom 76 x 127 mm to 320 x 457 mm (3.0 x 5.0 in to 12.6 x 18.0 in)	✓				
Custom 148 x 210 mm to 297 x 432 mm (5.9 x 8.3 in to 11.6 x 17 in)		✓			
Custom 148 x 210 mm to 320 x 457 mm (5.9 x 8.3 in to 12.6 x 18.0 in)			✓		
Custom 175 x 210 mm to 320 x 457 mm (6.9 x 8.3 in to 12.6 x 18.0 in)					✓

Supported paper types for the input trays and duplexer

Tray 1, Tray 2, and the 3x500-sheet trays support several types of paper in the following weight range: 60-220 g/m^2 (16-58 lb).

The 3,500-sheet high-capacity trays support cut-sheet paper in the following weight range: 60-120 g/m^2 (16-32 lb).

The automatic duplex printing unit supports paper in the following weight range: 60-220 g/m^2 (16-58 lb).

NOTE: To obtain the best results, select the correct paper size and type in the print driver before printing.

Table 1-2 Supported paper types

Paper type	Tray 1	Tray 2	3x500-sheet trays	3,500-sheet high-capacity trays	Automatic duplex printing
Cut-sheet paper	✓	✓	✓	✓	✓
Labels	✓	✓	✓		
Transparencies	✓	✓			
Glossy paper	✓	✓			✓
Glossy film	✓	✓			
Photo paper	✓	✓			
Envelopes	✓				

Supported paper sizes for the finishing accessories

NOTE: For paper dimensions, see Supported paper sizes for the input trays and duplexer on page 5

Table 1-3 Supported paper sizes for the finishing accessories

Size	Stacking (Portrait)	Stacking (Landscape)	Staple (Corner)	Staple (Saddle)	Hole punch 2 holes	Hole punch 3–4 holes	Booklet
Letter		✓	✓	✓	✓	✓	
Letter Short-edge feed	✓		✓	✓	✓		✓
Legal	✓		✓	✓	✓		✓
Executive		✓					
Executive Short-edge feed	✓						
Statement	✓						
Oficio (8.5 x 13)	✓		✓	✓	✓		✓
11 x 17	✓		✓	✓	✓	✓	✓
12 x 18	✓						
3 x 5							
4 x 6	✓						
5 x 7	✓						
5 x 8	✓						
A3	✓		✓	✓	✓	✓	✓
A4		✓	✓	✓	✓	✓	
A4 Short-edge feed	✓		✓	✓	✓		✓
A5	✓	✓					
A6	✓						
RA3	✓						
RA4	✓	✓					
SRA3	✓						
SRA4	✓	✓					
B4 (JIS)	✓		✓	✓			
B5 (JIS)		✓					

Table 1-3 Supported paper sizes for the finishing accessories (continued)

Size	Stacking (Portrait)	Stacking (Landscape)	Staple (Corner)	Staple (Saddle)	Hole punch 2 holes	Hole punch 3–4 holes	Booklet
B5 (JIS) Short-edge feed	✓						
B6 (JIS)	✓						
Oficio (216 x 340)	✓		✓	✓	✓		✓
8K 270 x 390 mm	✓		✓	✓			
16K 195 x 270 mm		✓					
16K 195 x 270 mm Short-edge feed	✓						
8K 260 x 368 mm	✓						
16K 184 x 260 mm		✓					
16K 184 x 260 mm Short-edge feed	✓						
8K 273 x 394 mm	✓		✓				
16K 197 x 273 mm		✓					
16K 197 x 273 mm Short-edge feed	✓						
D Postcard (JIS)	✓	✓					
Envelope #9	✓						
Envelope #10	✓						
Envelope Monarch	✓						
Envelope B5	✓						
Envelope C5	✓						
Envelope C6	✓						

Table 1-3 Supported paper sizes for the finishing accessories (continued)

Size	Stacking (Portrait)	Stacking (Landscape)	Staple (Corner)	Staple (Saddle)	Hole punch 2 holes	Hole punch 3–4 holes	Booklet
Envelope DL	✓						
Custom Dimensions vary	✓	✓					

Supported paper types for the finishing accessories

NOTE: The number of sheets that can be stapled or folded into booklets varies with the thickness and size of the paper. The numbers in the following table indicate the number of sheets supported for each feature.

Pages pass through the hole punch unit one sheet at a time.

Table 1-4 Supported paper types for the finishing accessories

Type	Stacking in bins 1 or 2	Staples, small sheets of paper	Staples, large sheets of paper	Hole punch	Booklets in bin 3 with one cover sheet	Booklets in bin 3 with no cover sheet
Plain	✓	50	30	✓	14	15
HP EcoSMART Lite	✓	50	30	✓	14	15
HP Matte 90g	✓	44	22	✓	9	10
Light 60-74g	✓	50	30	✓	14	15
Bond	✓	50	30	✓	9	10
Recycled	✓	50	30	✓	14	15
Intermediate 85-95g	✓	50	30	✓	5	6
HP Matte 120g	✓	18	11	✓	4	5
HP Soft Gloss 120g	✓	8	8	✓	4	5
HP Glossy 120g	✓	8	8	✓	4	5
Mid-Weight 96-110g	✓	18	11	✓	4	5
Heavy 111-130g	✓	18	9	✓	4	5
Mid-Weight Glossy 96-110g	✓	8	8	✓	4	5
Heavy Glossy 111-130g	✓	8	8	✓	4	5
HP Matte 150g	✓	13	9	✓	2	3
HP Glossy 150g	✓	5	5	✓		
Extra Heavy 131-175g	✓	12	16	✓	2	3
Extra Heavy Glossy 131-175g	✓			✓		
HP Matte 200g	✓			✓		
HP Glossy 200g	✓			✓		
Cardstock 176-220g	✓			✓		
Card Glossy 176-220g	✓			✓		

Table 1-4 Supported paper types for the finishing accessories (continued)

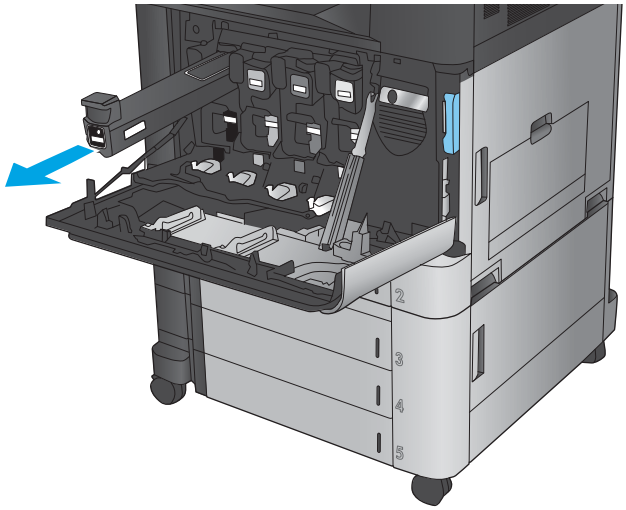
Type	Stacking in bins 1 or 2	Staples, small sheets of paper	Staples, large sheets of paper	Hole punch	Booklets in bin 3 with one cover sheet	Booklets in bin 3 with no cover sheet
Color Transparency	✓					
Labels	✓					
Letterhead	✓	50	30	✓	14	15
Envelope	✓					
Heavy Envelope	✓					
Preprinted	✓	50	30	✓	14	15
Prepunched	✓	50	30			
Colored	✓	50	30	✓	14	15
Rough	✓	50	30	✓	9	10
Heavy Rough	✓	18	11	✓	5	6

Customer-self repair assemblies

Toner cartridge

1. Open the front door.
2. Grasp the handle of the toner cartridge, and then pull out to remove it.

Figure 1-2 Remove the toner cartridge

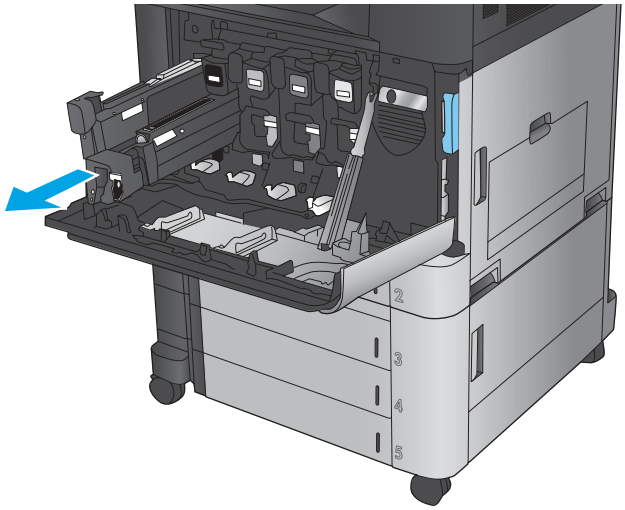


Imaging drum

1. Open the front door.
2. Grasp the handle at the front of the imaging drum, and then slide it out until the blue handle on the top is visible. Grasp the blue handle on the top, and then slide the imaging drum all the way out to remove it.

CAUTION: Do not touch or scratch the green cylinder on the bottom of the drum. While the imaging drum is out of the product, cover the green cylinder with paper to protect it from light exposure.

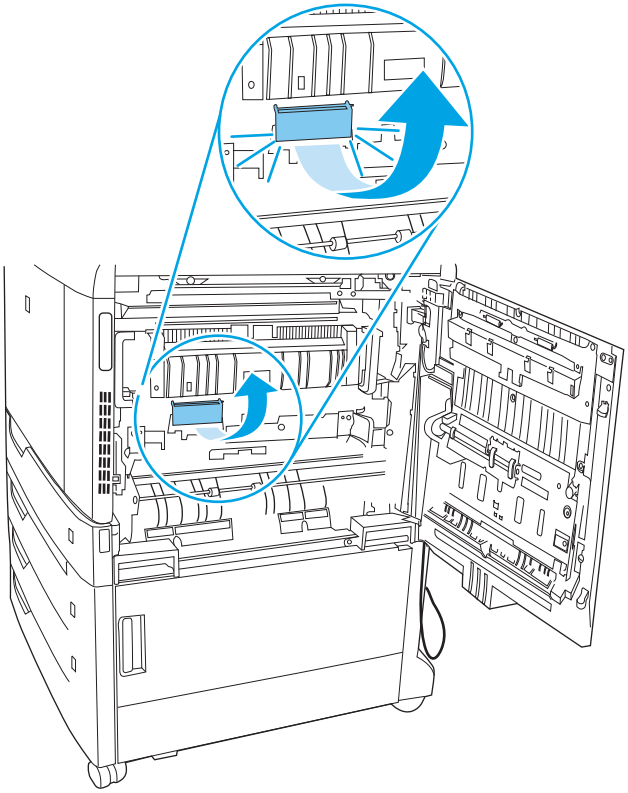
Figure 1-3 Remove the image drum



Secondary transfer roller

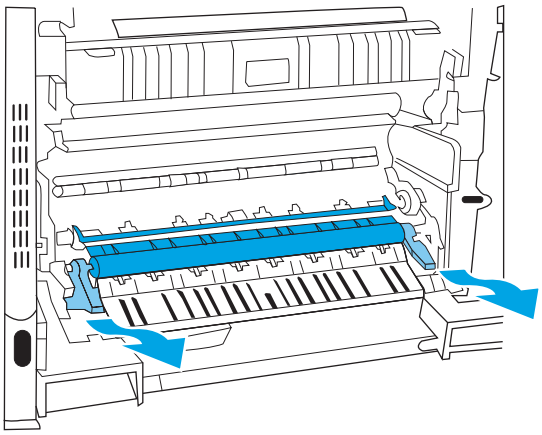
1. Open the right door.
2. Lift the green handle on the transfer assembly, and then open the panel.

Figure 1-4 Remove the secondary transfer roller (1 of 2)



3. Remove the secondary transfer roller.

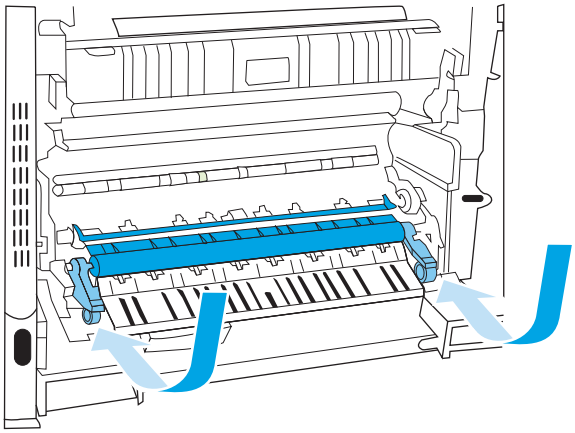
Figure 1-5 Remove the secondary transfer roller (2 of 2)



Reinstall the secondary transfer roller

Align the secondary transfer roller with the slots in the product, and then push until it clicks into place.

Figure 1-6 Reinstall the secondary transfer roller

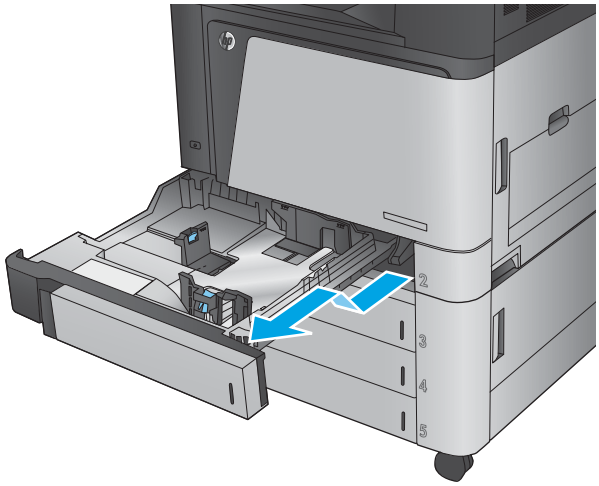


Tray 2, 1x500 Tray 3, 3x500 Tray 3, 3x500 Tray 4, and 3x500 Tray 5

Slide the tray open until it stops, and then lift up on the front of the tray to release it. Remove the tray.

NOTE: Tray 2 is shown below. The procedure is the same for the 1x500 Tray 3, 3x500 Tray 3, 3x500 Tray 4, and 3x500 Tray 5.

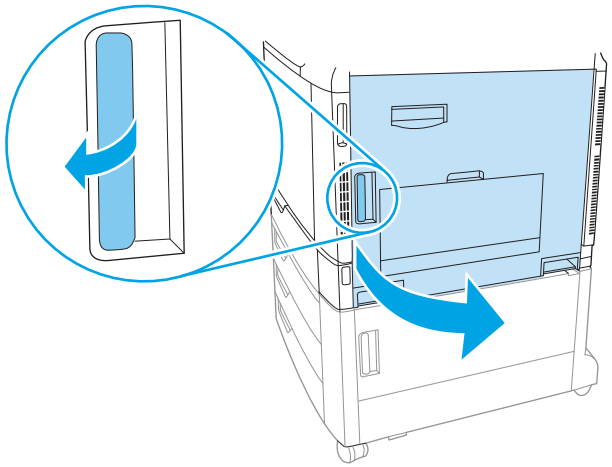
Figure 1-7 Remove Tray 2, 1x500 Tray 3, 3x500 Tray 3, 3x500 Tray 4, and 3x500 Tray 5



Intermediate transfer belt (ITB)

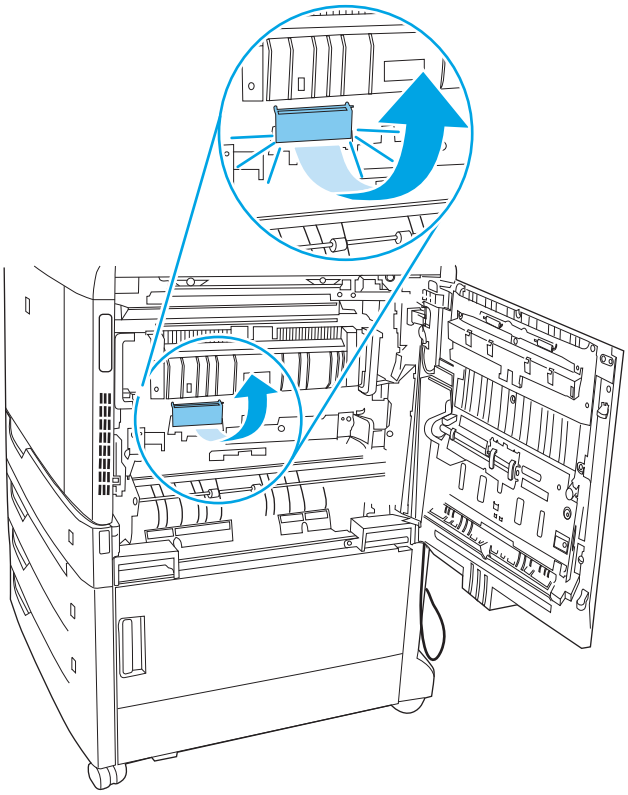
1. Open the right door.

Figure 1-8 Remove the ITB (1 of 4)



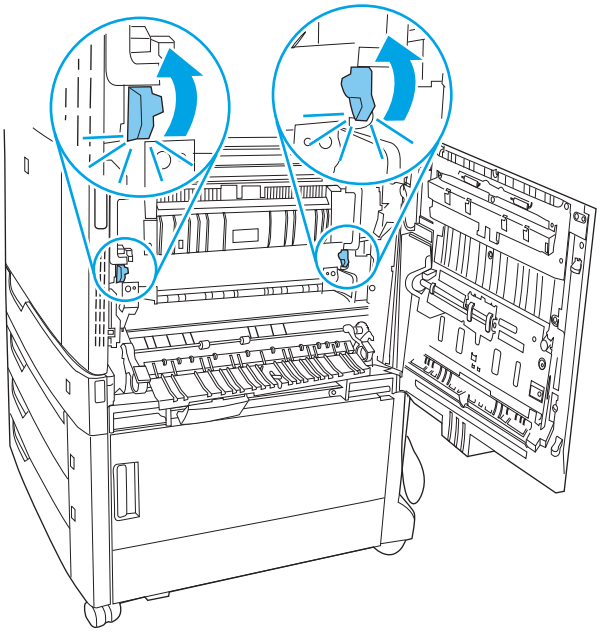
2. Lift the green handle on the transfer assembly, and then open the panel.

Figure 1-9 Remove the ITB (2 of 4)



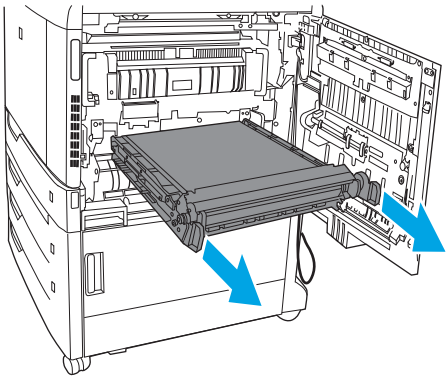
3. Raise the ITB levers.

Figure 1-10 Remove the ITB (3 of 4)



4. Remove the ITB.

Figure 1-11 Remove the ITB (4 of 4)

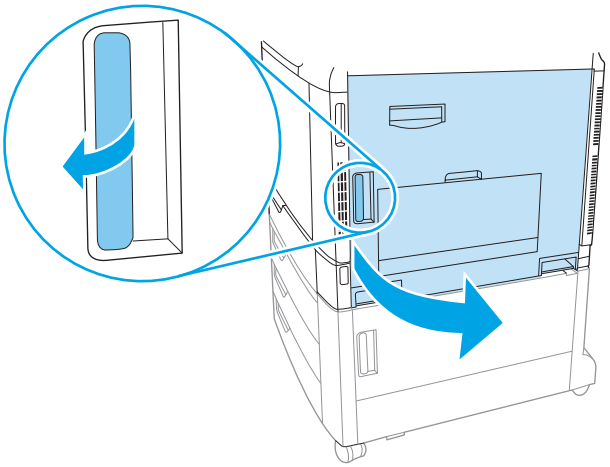


Fuser

WARNING! The fuser might be hot.

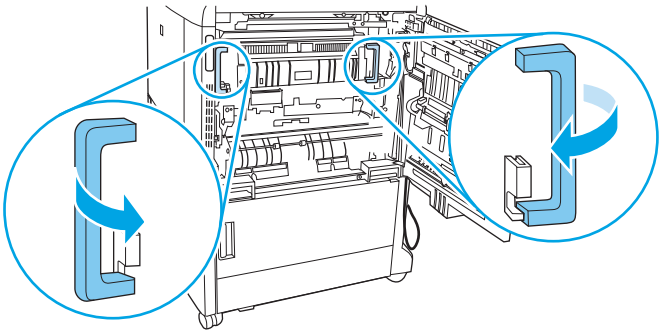
1. Open the right door.

Figure 1-12 Remove the fuser (1 of 3)



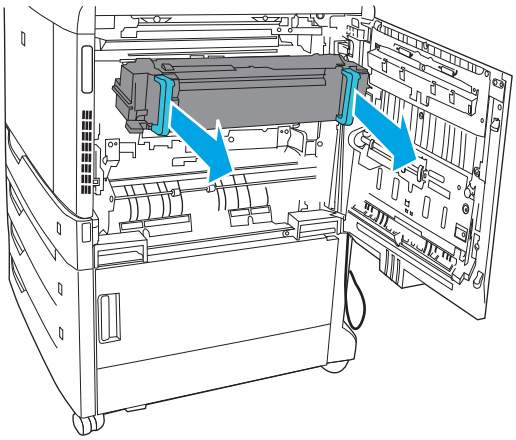
2. Rotate the two blue fuser handles toward the center of the fuser as shown below.

Figure 1-13 Remove the fuser (2 of 3)



3. Grasp the handles and slide the fuser toward the right door to remove it.

Figure 1-14 Remove the fuser (3 of 3)

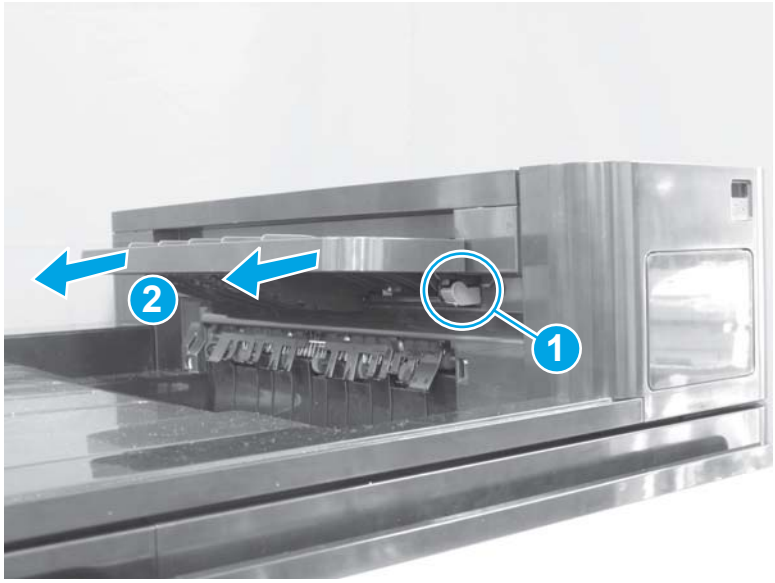


Switch back tray

Press and hold one button (callout 1) while pulling the switch back tray away from the product (callout 2) to remove it.

NOTE: The M855 is shown below. The procedure is the same for the M880.

Figure 1-15 Remove the switch back tray



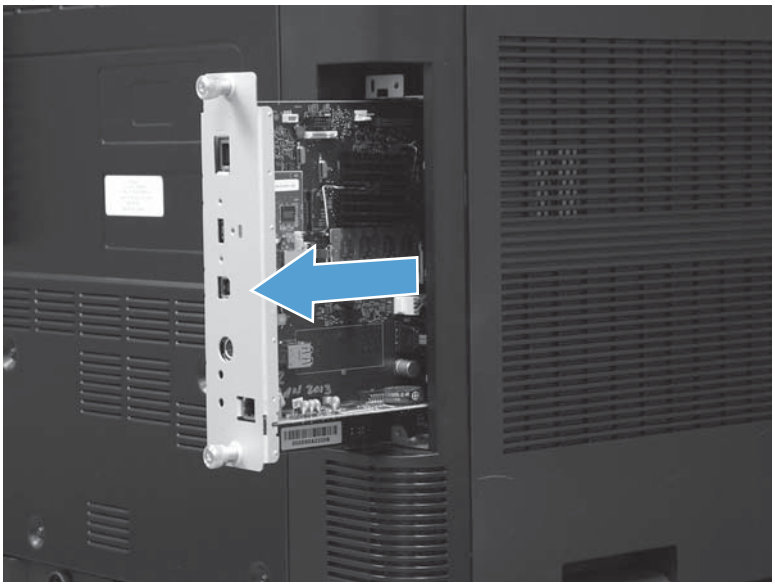
Formatter

1. Loosen two screws.

Figure 1-16 Remove the formatter (1 of 2)

2. Grasp the screws, and then slide the formatter out of the product.

Figure 1-17 Remove the formatter (2 of 2)



Reinstall the formatter or install a replacement formatter

1. Remove the following components from the existing formatter, and then reinstall them on the replacement formatter.

   NOTE: Not all of these components will be installed on the formatter---which components are installed depends on the product configuration. Identify the installed components, remove those components, and then install them on the replacement formatter.

   - Hard-disk drive. See Remove the HDD on page 26.
   - Solid-state memory. See Remove the SSM on page 28.
   - Memory DIMM. See Memory DIMM on page 32.
   - Fax PCA. See Fax PCA (M880) on page 35.

2. Make sure that the formatter is seated completely when reinstalling it. To verify that the formatter is correctly installed, use the power switch to turn on the product power, and then observe the following functions of the LEDs on the formatter.

   - The heartbeat LED (callout 1) illuminates if the formatter is completely seated.
   - The connectivity LED (callout 2) indicates that the formatter is functioning correctly.
     - While the product is initializing, the connectivity LED rapidly blinks, and then turns off.
     - After the initialization sequence is complete, the connectivity LED slowly blinks continuously.

   If the LEDs do not function correctly, see the LED diagnostics section in the product troubleshooting manual.

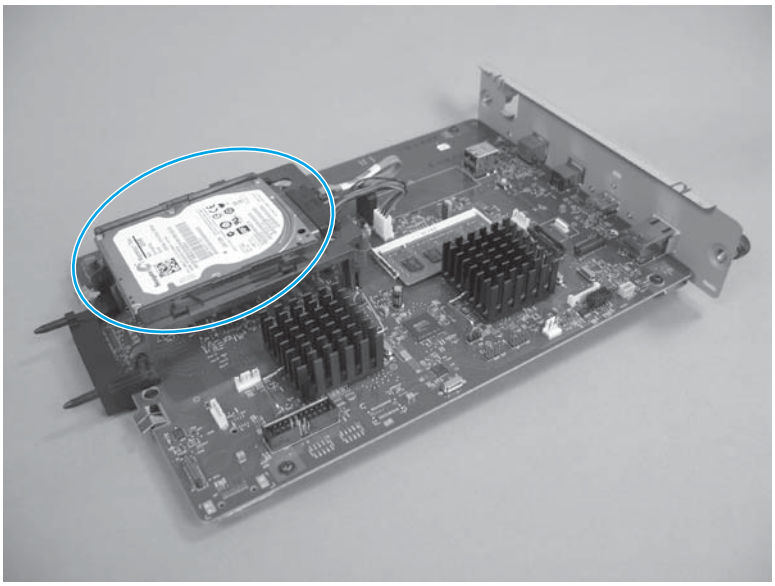
Hard-disk drive (HDD) or solid-state memory (SSM)

Before proceeding, remove the following assemblies:

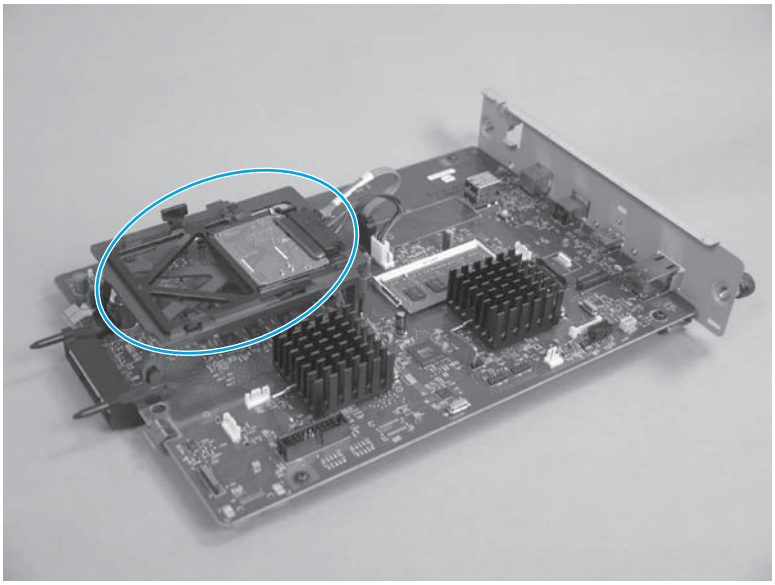
- Formatter. See Formatter on page 23.

Identify the storage device

- Hard-disk drive (HDD). See Remove the HDD on page 26.



- Solid-state memory (SSM). See Remove the SSM on page 28.



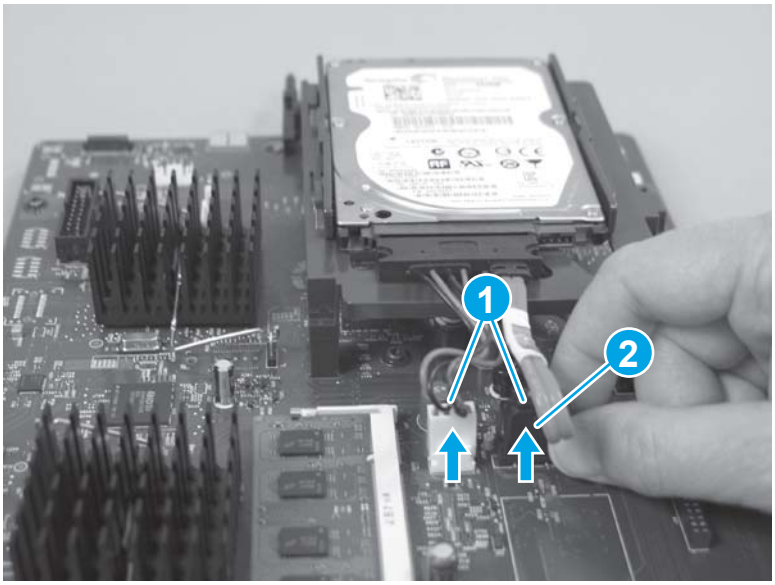
Remove the HDD

⚠ CAUTION: ESD sensitive assembly.

1. Disconnect two connectors (callout 1).

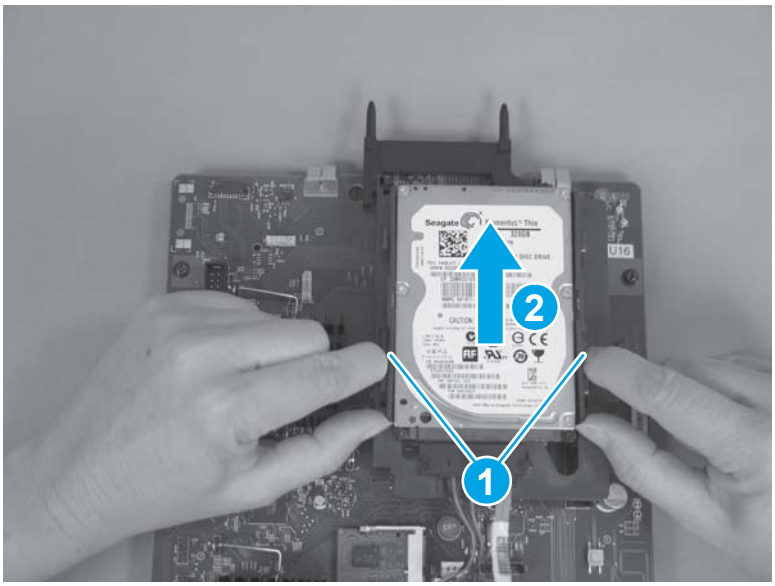
⚠ CAUTION: To disconnect the black connector (callout 2), grasp the connector and pull upward. Do not pull on the cable to disconnect the connector.

Figure 1-18 Remove the HDD (1 of 2)



2. Release two tabs (callout 1), and then slide the HDD out and away from the plastic mounting bracket (callout 2) to remove it.

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



Reinstall the HDD

NOTE: If you are installing a replacement drive, you must reinstall the product firmware. See Reinstall the product firmware on page 30.

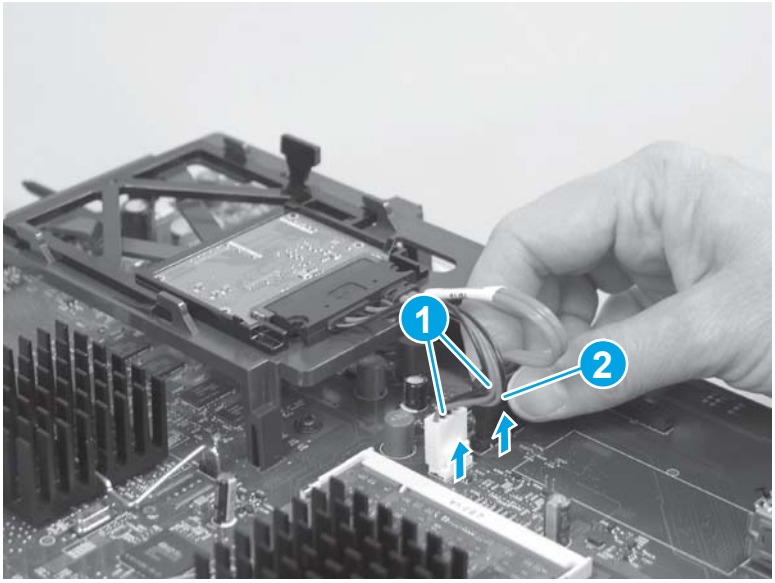
Remove the SSM

⚠ CAUTION: ESD sensitive assembly.

1. Disconnect two connectors (callout 1).

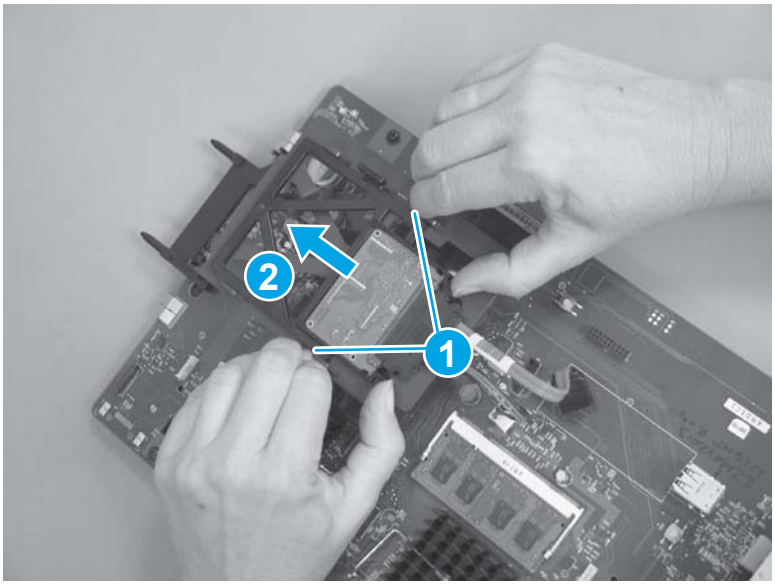
⚠ CAUTION: To disconnect the black connector (callout 2), grasp the connector and pull upward. Do not pull on the cable to disconnect the connector.

Figure 1-20 Remove the SSM (1 of 2)



2. Release two tabs (callout 1), and then slide the solid state memory out and away from the plastic mounting bracket (callout 2) to remove it.

Figure 1-21 Remove the SSM (2 of 2)



Reinstall the SSM

NOTE: If you are installing a replacement SSM, you must reinstall the product firmware. See Reinstall the product firmware on page 30.

Reinstall the product firmware

NOTE: If you are installing a replacement HDD or SSM, use the procedure below to reinstall the product firmware on the replacement drive.

If you are removing the HHD or SSM so that it can be installed on a replacement formatter, you can skip this procedure.

1. Locate the product support Web site.
   - **In the US:**
     - Go to www.hp.com/support/colorljM855 or www.hp.com/support/colorljflowMFPM880 .
   - **Outside the US:**
     - Go to http://www.hp.com/support
     - Select your country/region.
     - Select **Product Support & Troubleshooting**
     - Enter the product name, and then select **Search**.
2. Select **Drivers, Software, and Firmware**, and then select **Cross operating system (BIOS, Firmware, Diagnostics, etc.)**.
3. Locate the firmware download, and then select **Download**.
4. Copy the firmware upgrade file to the root directory of a USB flash drive. The firmware upgrade file has a `.bdl` extension.
5. Insert the USB flash drive into the USB port on the product control panel.
6. The following message displays on the control panel: **Error: 99.09.63 Incorrect Disk**. Touch the OK button to continue.
7. Wait for the Pre-Boot menu to appear on the control panel display, and then touch the down arrow ▼ button to scroll to 3 Administrator. Touch the OK button to select it.
8. Touch the down arrow ▼ button to scroll to 6 Manage Disk. Touch the OK button to select it.
9. Touch the down arrow ▼ button to scroll to 4 Clear Disk PWD. Touch the OK button to select it.
10. The message **Proceed with Requested Action** displays. Touch the OK button to select it.
11. Touch the back ⮌ button to return to the Pre-Boot menu home screen.
12. Touch the down arrow ▼ button to scroll to 3 Administrator. Touch the OK button to select it.
13. Touch the down arrow ▼ button to scroll to 1 Download. Touch the OK button to select it.
14. Touch the down arrow ▼ button to scroll to 3 USB Thumbdrive. Touch the OK button to select it.
15. Touch the down arrow ▼ button to scroll to the firmware upgrade file that you downloaded in step 4. Touch the OK button to select it.

NOTE: If no `.bdl` files are listed, try saving the file to a different USB flash drive.

16. Wait while the file transfers. When the transfer is complete, the message **Complete** displays on the screen.
17. Turn the product off, remove the USB flash drive, and then turn the product on. Wait for several minutes while the product initializes.

Memory DIMM

Before proceeding, remove the following assemblies:

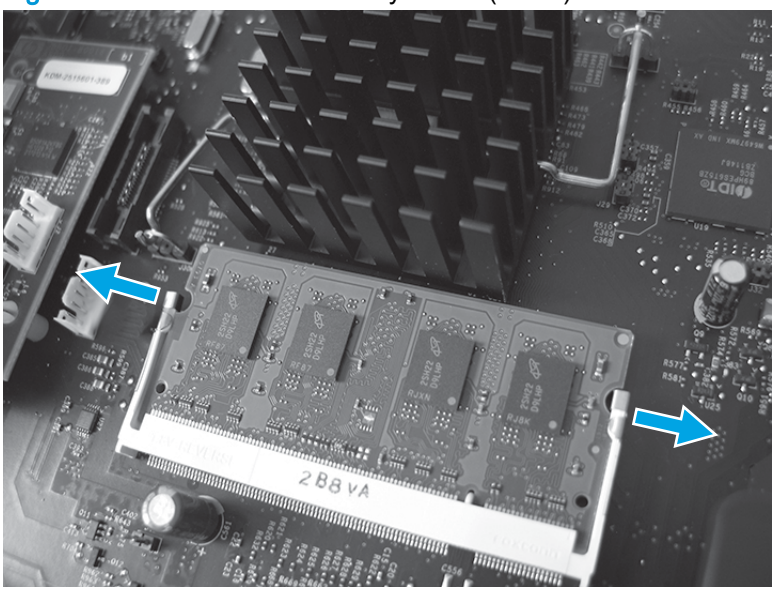
- Formatter. See Formatter on page 23.

Remove the memory DIMM

⚠ CAUTION: ESD sensitive assembly.

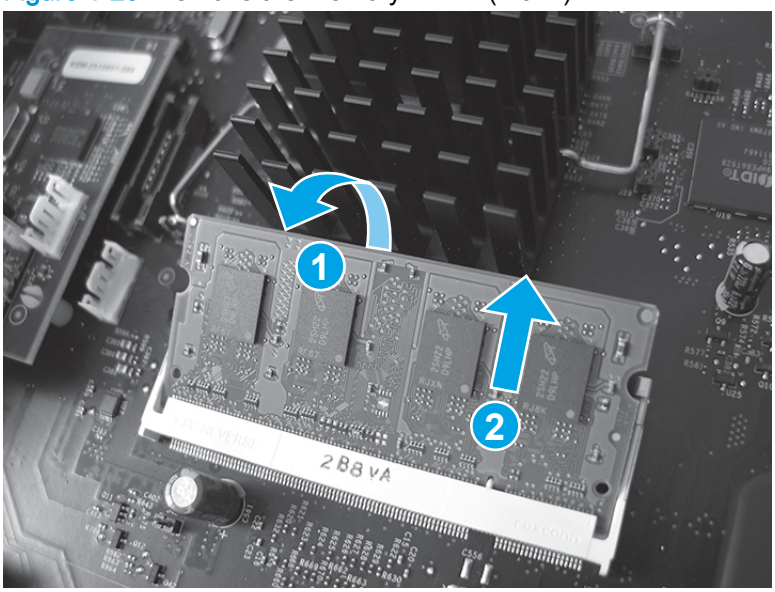
1. Release two clips.

Figure 1-22 Remove the memory DIMM (1 of 2)



2. Rotate the DIMM upward (callout 1), and then remove it (callout 2).

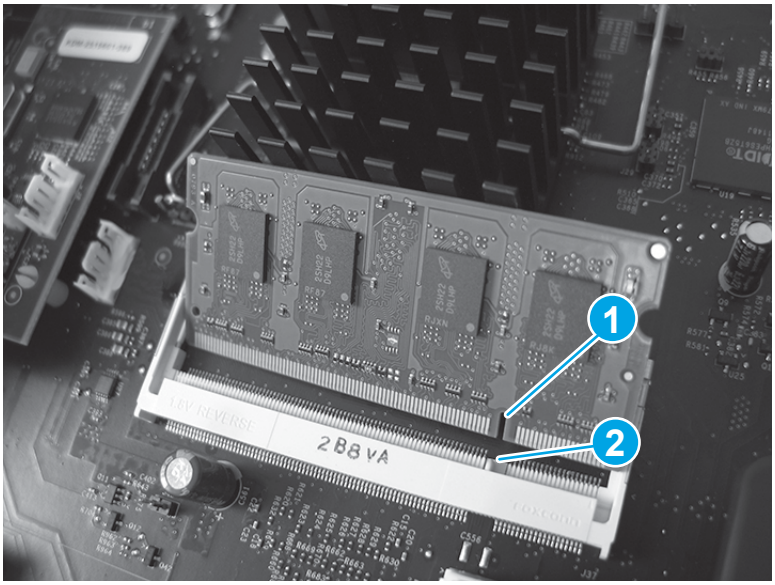
Figure 1-23 Remove the memory DIMM (2 of 2)



Reinstall the memory DIMM

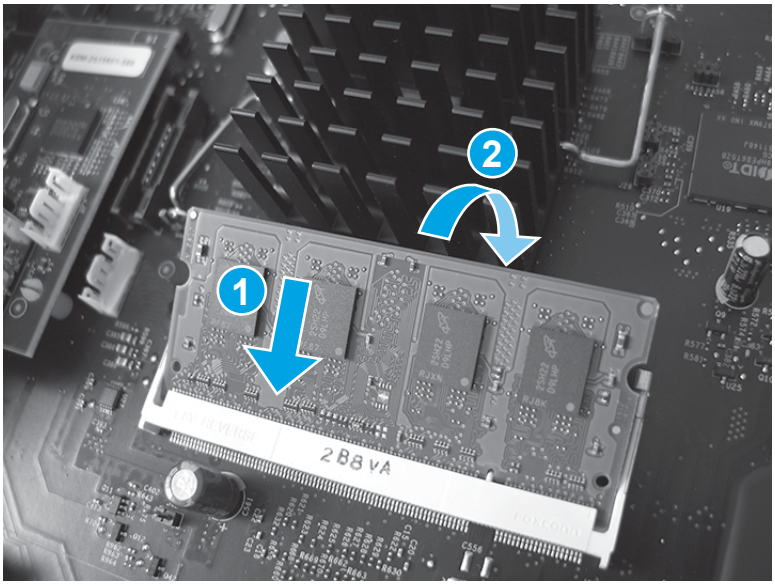
1. Align the notch (callout 1) on the DIMM with the tab (callout 2) on the connector.

Figure 1-24 Reinstall the memory DIMM



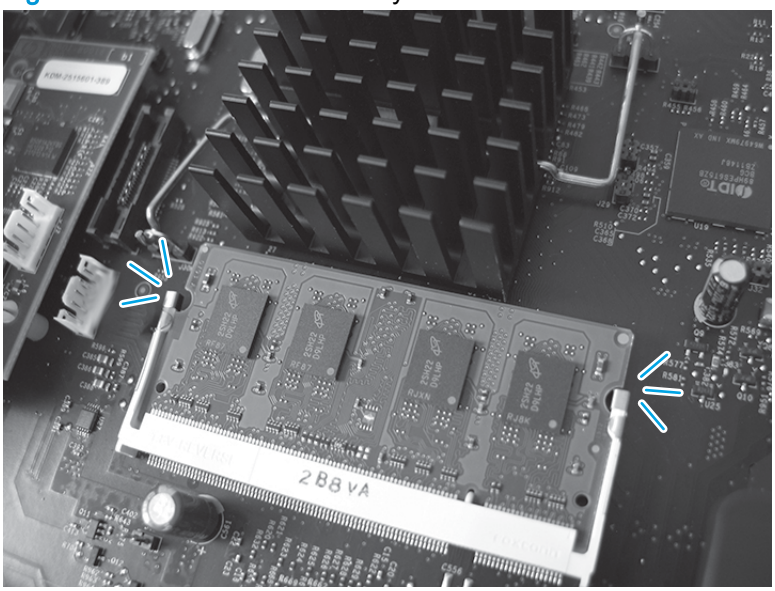
2. Slide the DIMM into the connector (callout 1), and then rotate the DIMM down, toward the formatter. (callout 2).

Figure 1-25 Reinstall the memory DIMM



3. Make sure that the memory DIMM snaps into the holder.

Figure 1-26 Reinstall the memory DIMM



Fax PCA (M880)

Before proceeding, remove the following assemblies:

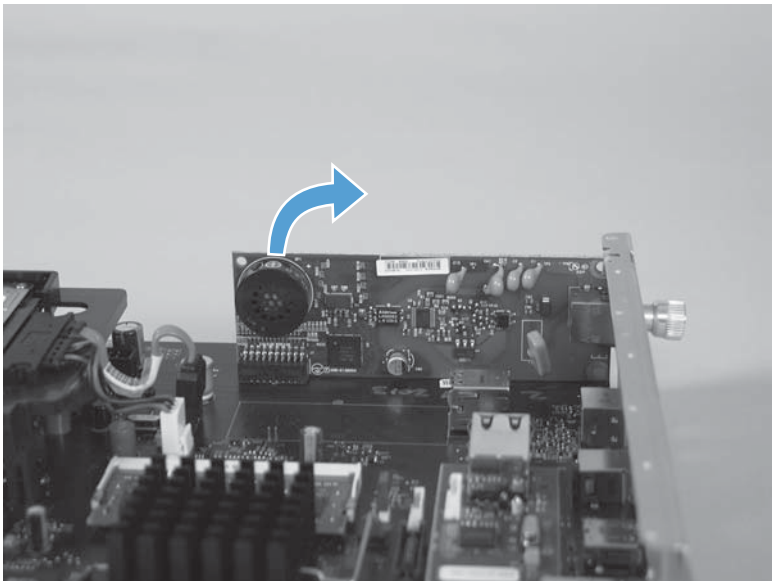
- Formatter. See Formatter on page 23.

Remove the fax PCA (M880)

CAUTION: ESD sensitive assembly.

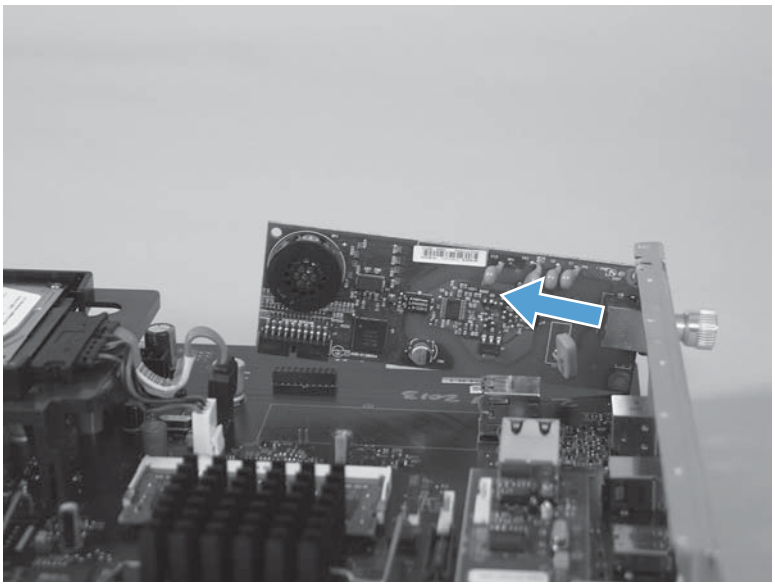
1. Rotate the connector end of the fax PCA up and away from the formatter to release it.

   Figure 1-27 Remove the fax PCA (M880; 1 of 2)

2. Carefully remove the fax PCA from the formatter bracket.

   Figure 1-28 Remove the fax PCA (M880; 2 of 2)

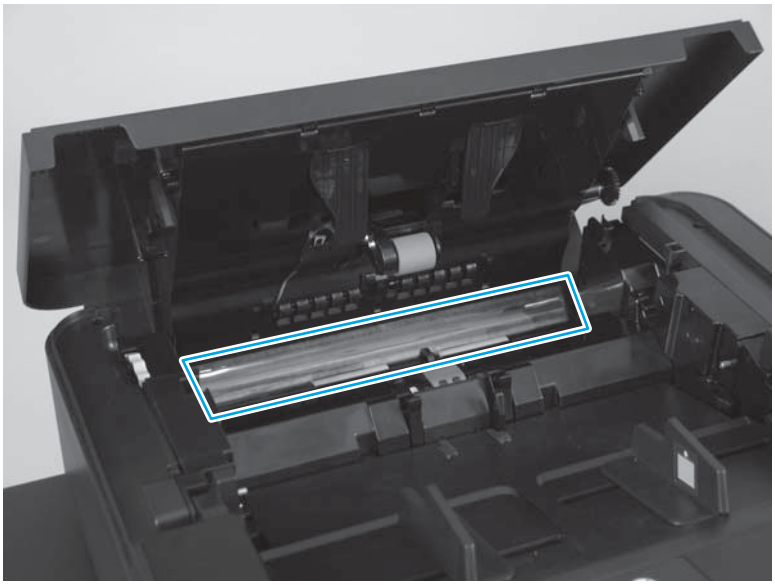
Document feeder mylar strip (M880)

1. Open the document feeder cover.

Figure 1-29 Remove the document feeder mylar strip (M880; 1 of 4)

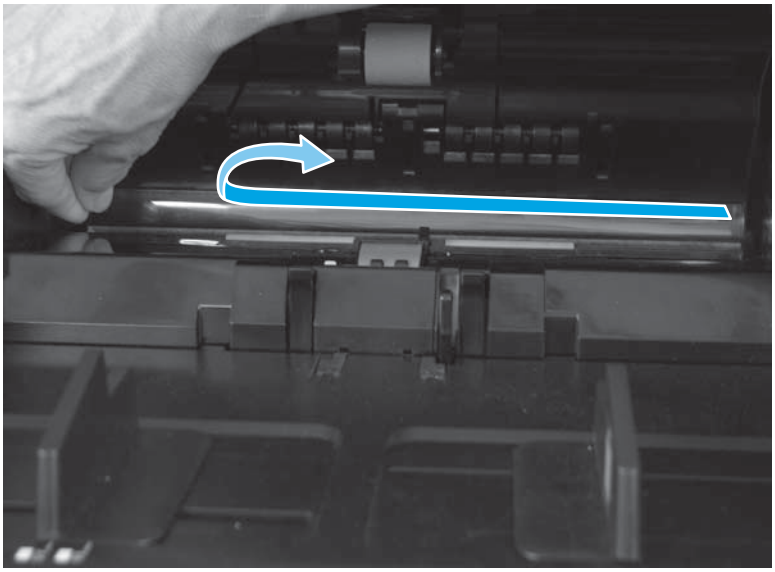
2. Locate the mylar strip.

Figure 1-30 Remove the document feeder mylar strip (M880; 2 of 4)



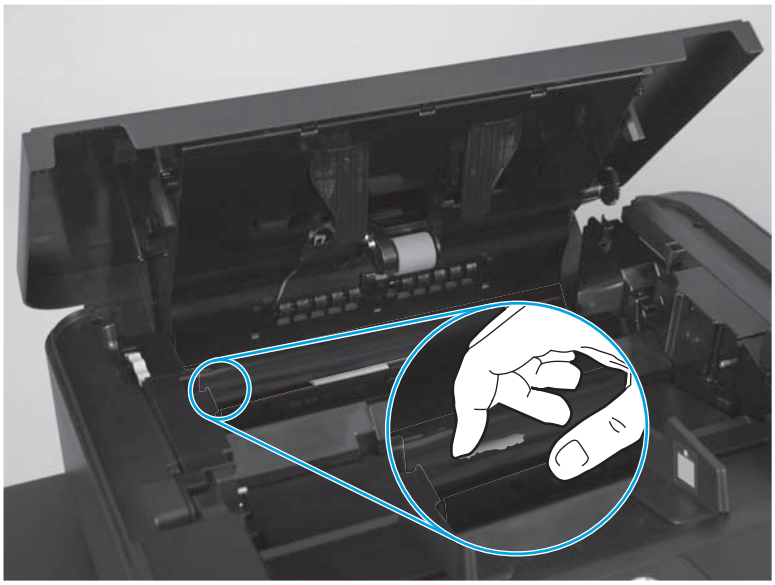
3. Carefully remove the mylar strip.

Figure 1-31 Remove the document feeder mylar strip (M880; 3 of 4)



4. Use your finger to remove any adhesive that remains after removing the mylar strip.

Figure 1-32 Remove the document feeder mylar strip (M880; 4 of 4)



Install a replacement document feeder mylar strip (M880)

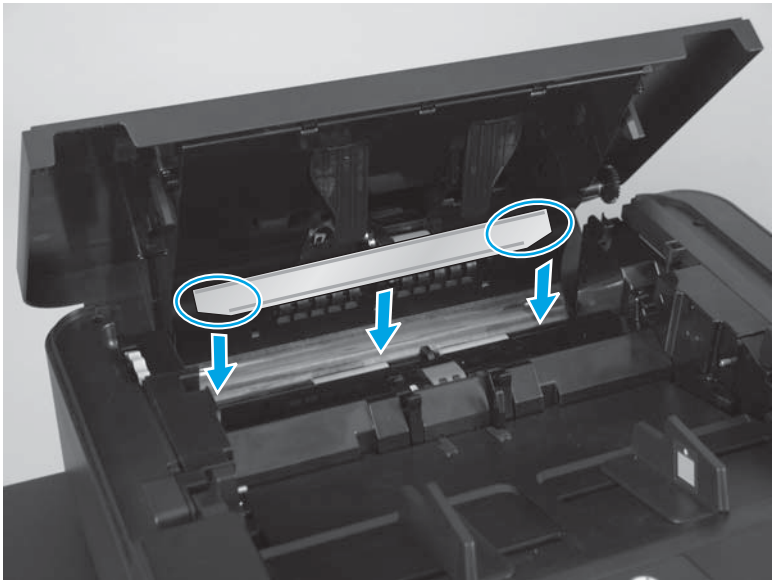
Use the following guidelines when you install the replacement mylar strip:

1. Skin oils on the mylar strip can cause paper pickup problems. Wash your hands before handling the replacement mylar strip.
2. When handling the replacement mylar strip, do not touch the adhesive portion of the strip.

3. Position the replacement mylar strip as shown, with the rounded corners on the strip facing the document tray.

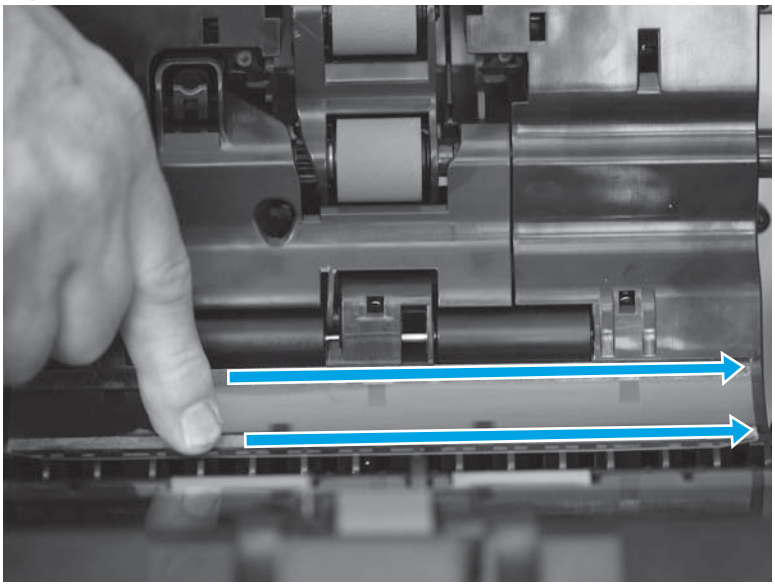
NOTE: Make sure that the adhesive side of the guide is face down.

Figure 1-33 Install a replacement document feeder mylar strip (M880; 1 of 2)



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

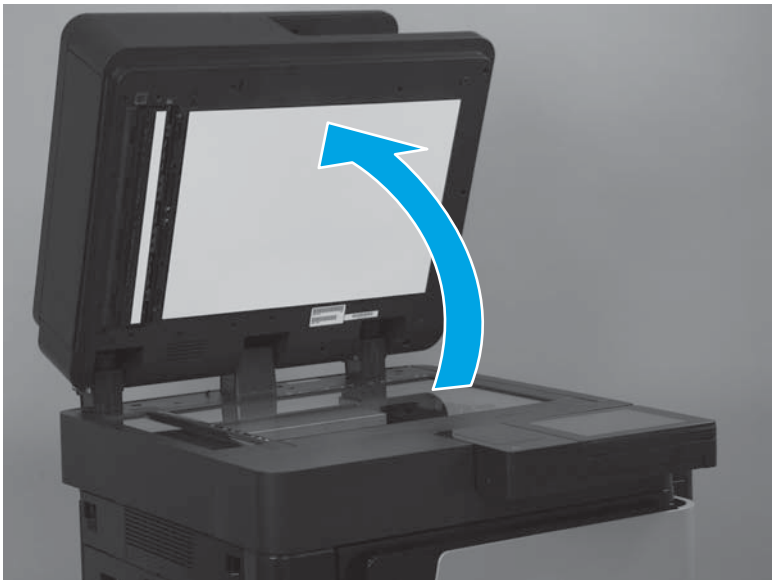
Figure 1-34 Install a replacement document feeder mylar strip (M880; 2 of 2)



Document feeder white backing (M880)

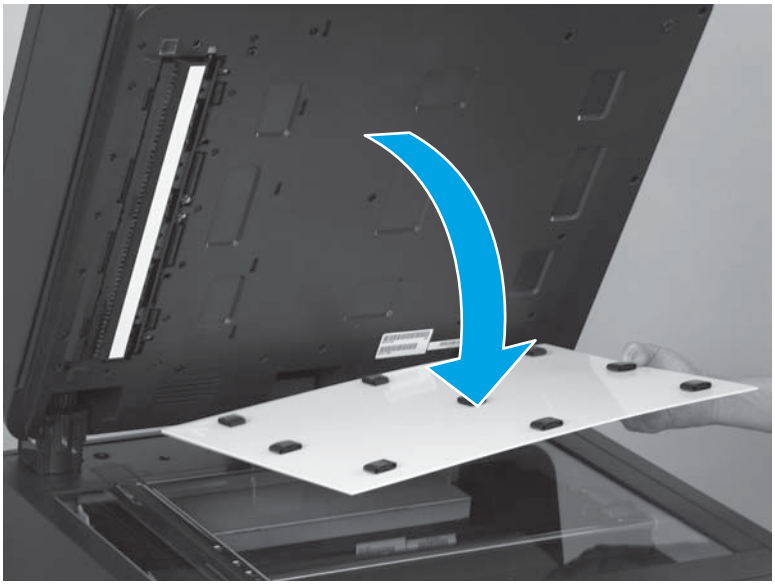
1. Open the document feeder.

Figure 1-35 Remove the document feeder white backing (M880; 1 of 3)



2. Carefully remove the white backing.

Figure 1-36 Remove the document feeder white backing (M880; 2 of 3)



3. Remove any rubber stoppers that might still be attached to the document feeder.

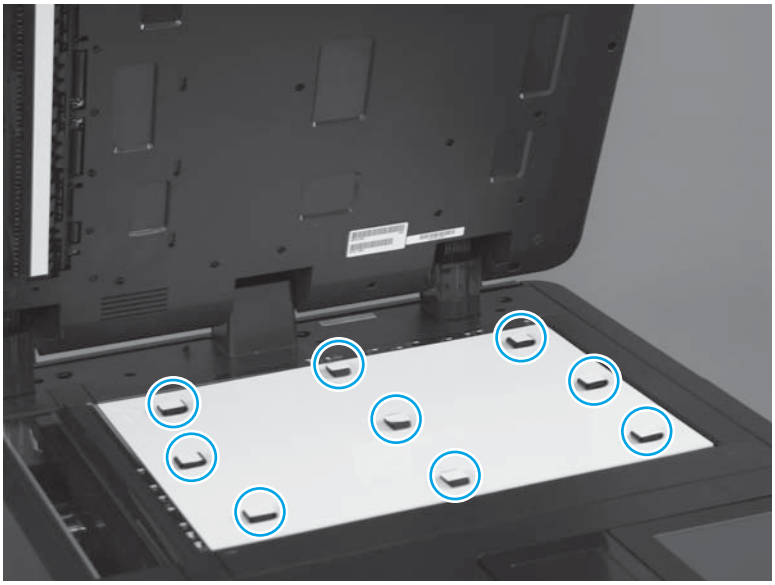
Figure 1-37 Remove the document feeder white backing (M880; 3 of 3)

Install a replacement document feeder white backing (M880)

1. Position the replacement white backing on the scanner glass. Carefully remove the protective backing from the rubber stoppers.

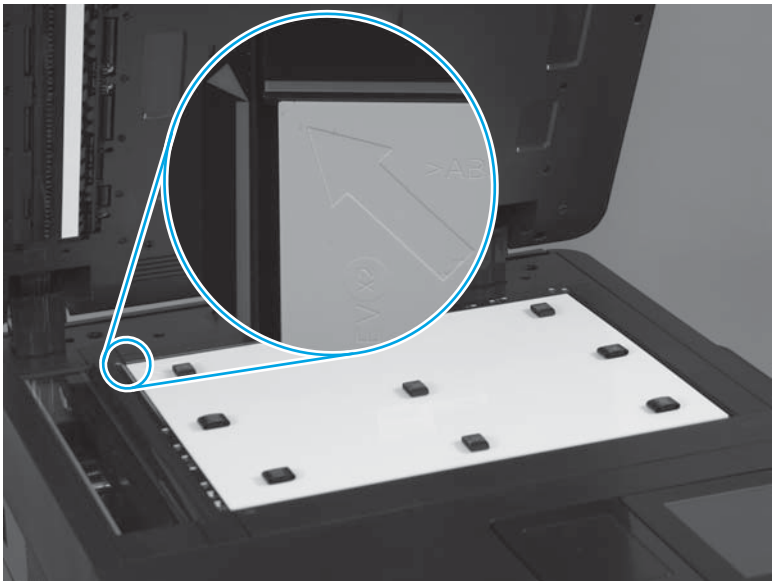
⚠ CAUTION: Do not touch the exposed adhesive.

Figure 1-38 Install a replacement document feeder white backing (M880; 1 of 6)



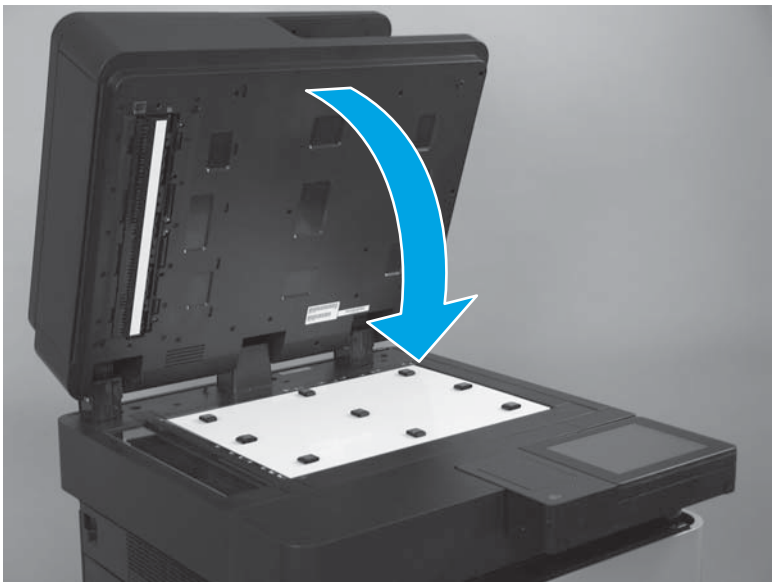
2. Make sure that the arrow on the replacement white backing is positioned in the upper-left corner of the scanner glass.

Figure 1-39 Install a replacement document feeder white backing (M880; 2 of 6)



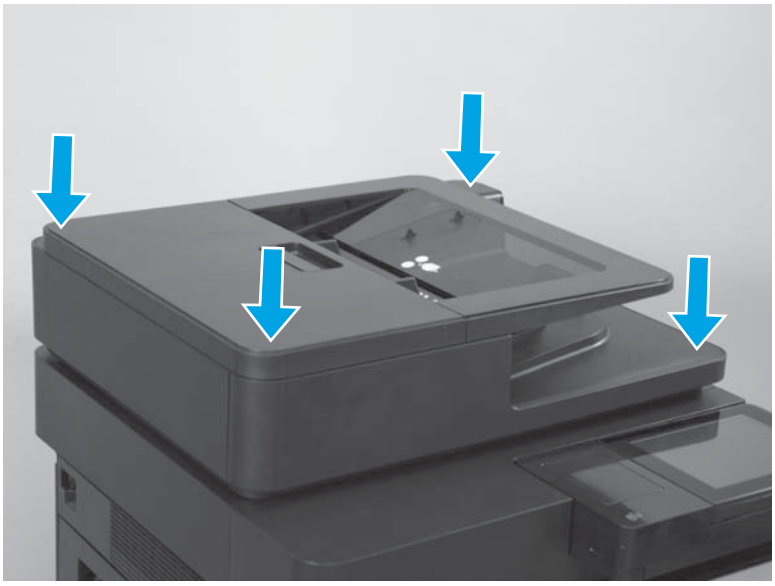
3. Completely close the document feeder.

Figure 1-40 Install a replacement document feeder white backing (M880; 3 of 6)



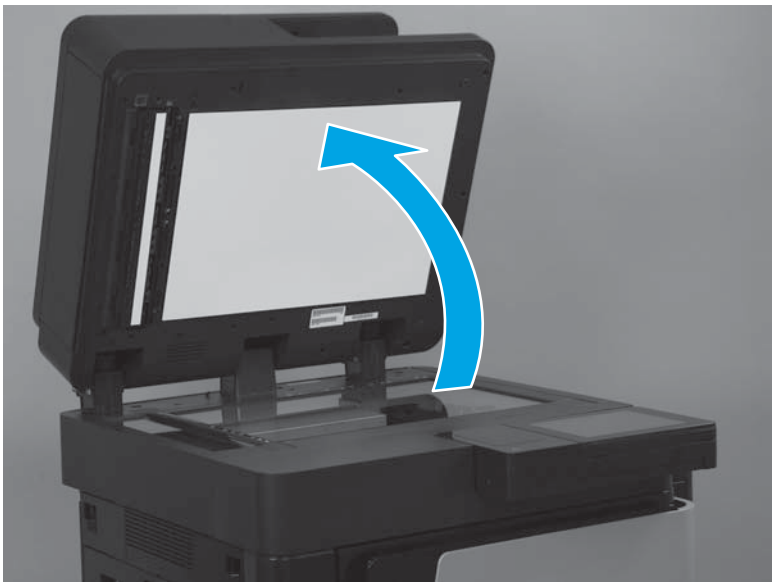
4. Firmly push down on the four corners of the document feeder to adhere the white backing to the document feeder.

Figure 1-41 Install a replacement document feeder white backing (M880; 4 of 6)



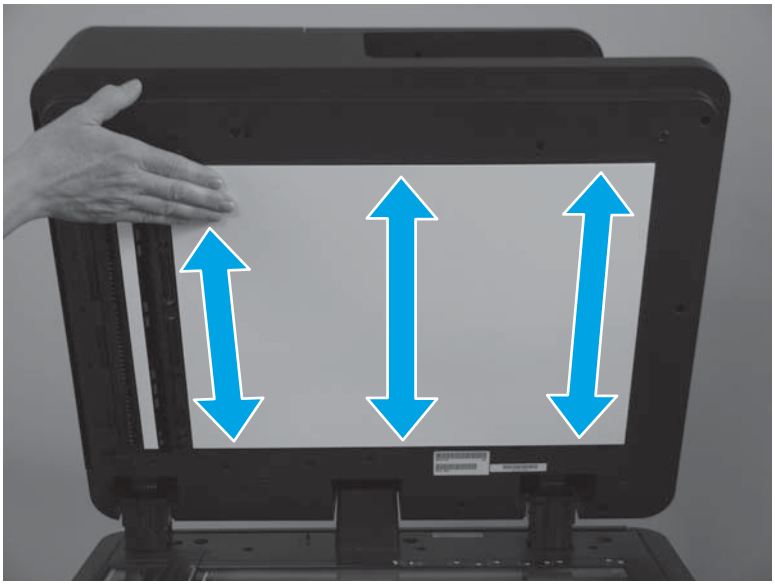
5. Carefully open the document feeder.

Figure 1-42 Install a replacement document feeder white backing (M880; 5 of 6)



6. Firmly press on the white backing over the areas shown below to make sure that the rubber stoppers are completely adhered to the document feeder.

Figure 1-43 Install a replacement document feeder white backing (M880; 6 of 6)



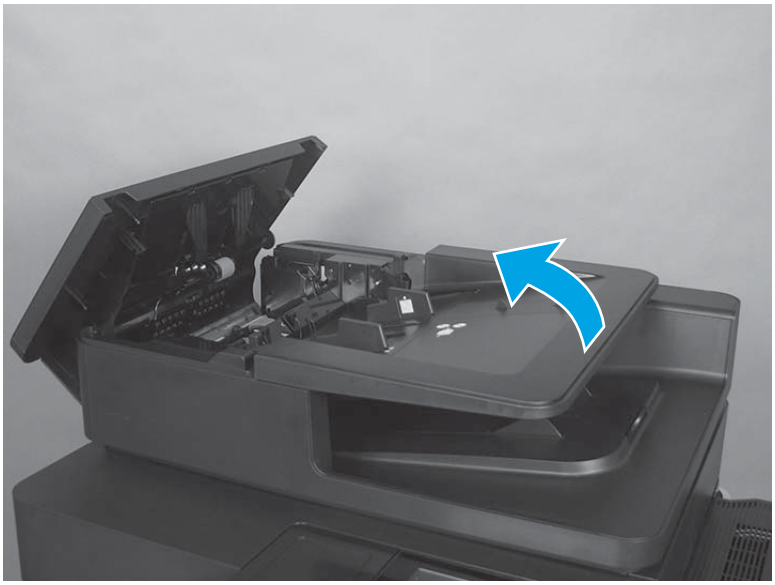
Background selector (M880)

1. Open the document-feeder door.

Figure 1-44 Remove the background selector (M880; 1 of 4)

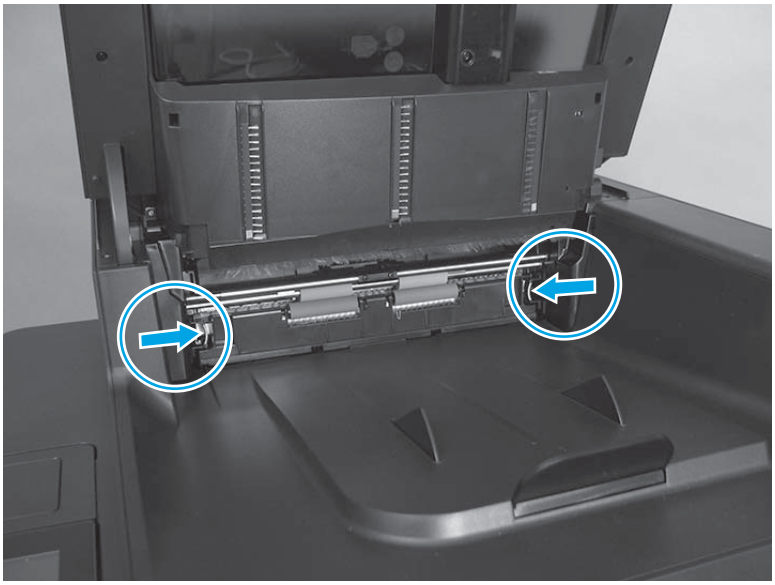
2. Rotate the input tray up.

Figure 1-45 Remove the background selector (M880; 2 of 4)



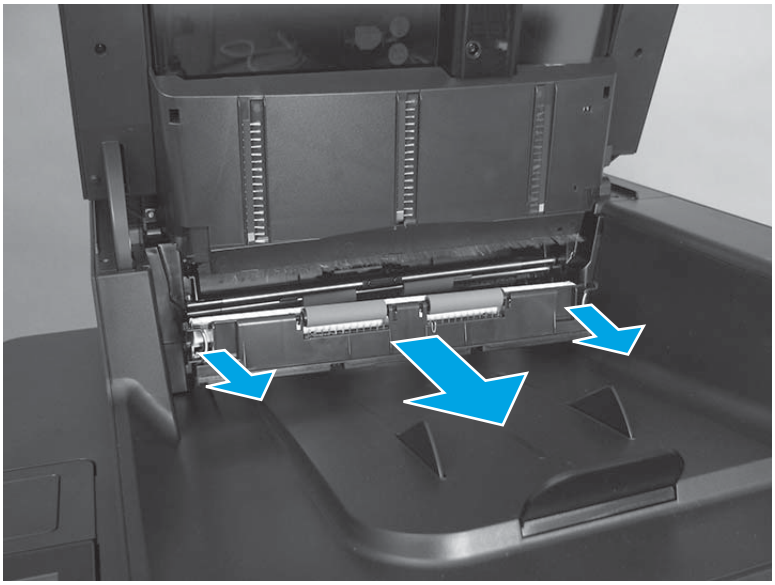
3. Release two tabs.

Figure 1-46 Remove the background selector (M880; 3 of 4)



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

Figure 1-47 Remove the background selector (M880; 4 of 4)

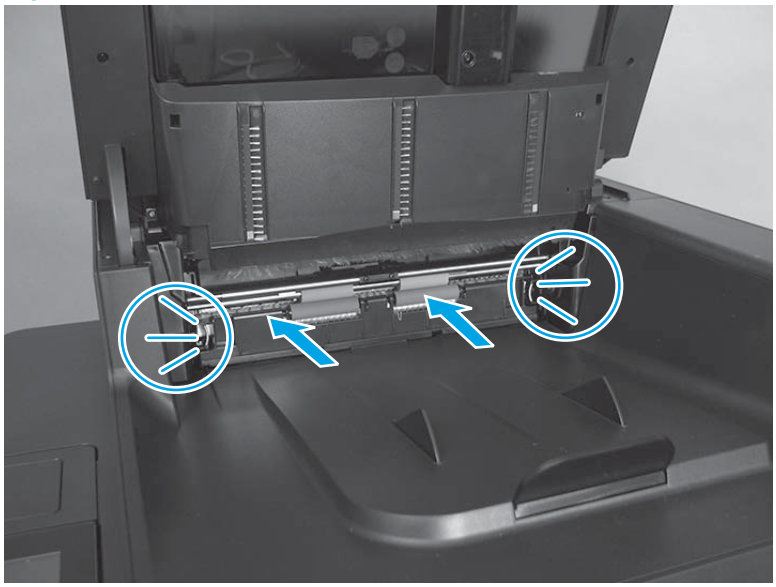


Reinstall the background selector (M880)

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

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

Figure 1-48 Reinstall the background selector (M880)



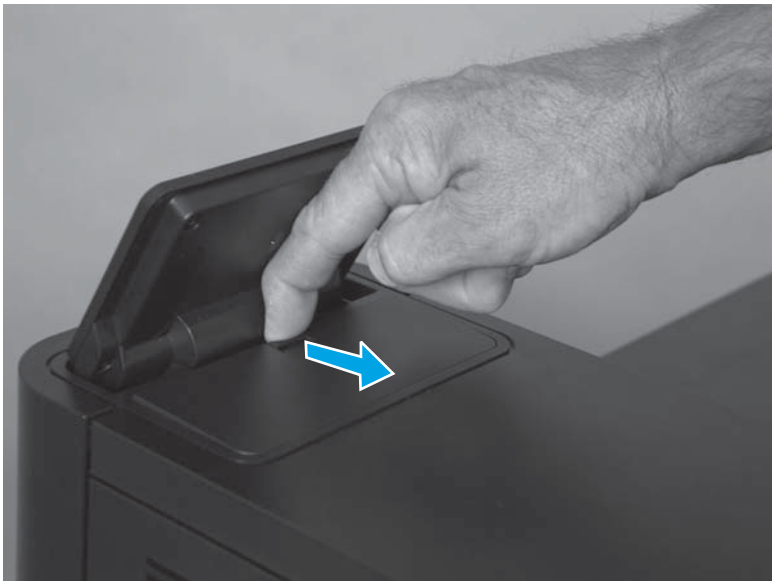
Control panel assembly (M855)

1. Tilt the control panel up.

Figure 1-49 Remove the control panel assembly (M855; 1 of 10)

2. Release one tab.

Figure 1-50 Remove the control panel assembly (M855; 2 of 10)

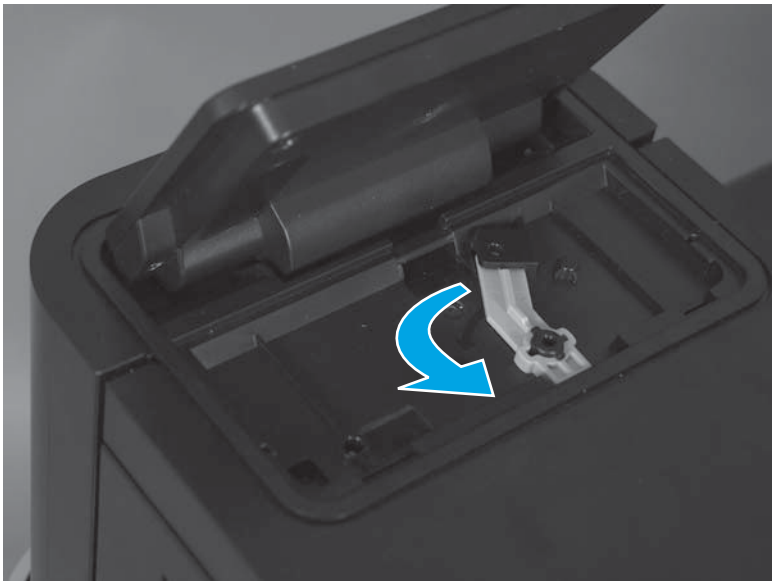


3. Remove the cover.

Figure 1-51 Remove the control panel assembly (M855; 3 of 10)

4. Release one blue locking latch.

Figure 1-52 Remove the control panel assembly (M855; 4 of 10)



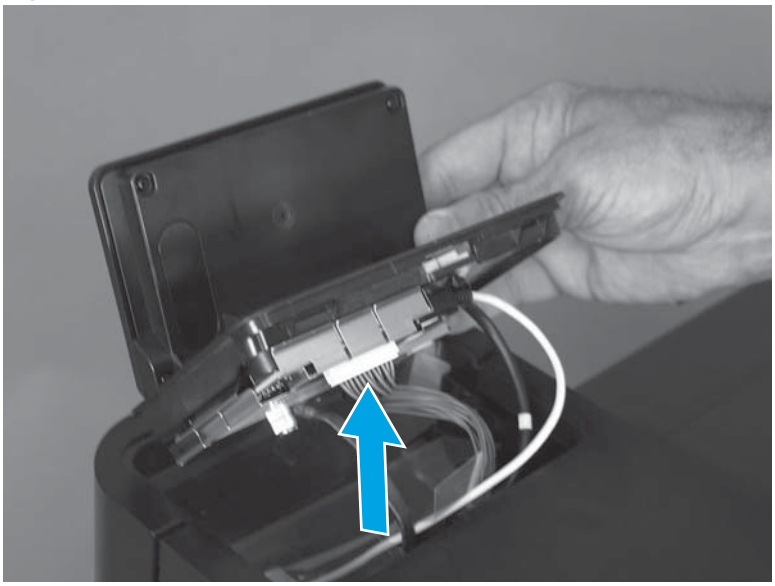
5. Rotate the back of the control panel up and away from the product.

Figure 1-53 Remove the control panel assembly (M855; 5 of 10)

6. Lift the control panel assembly up and off of the product.

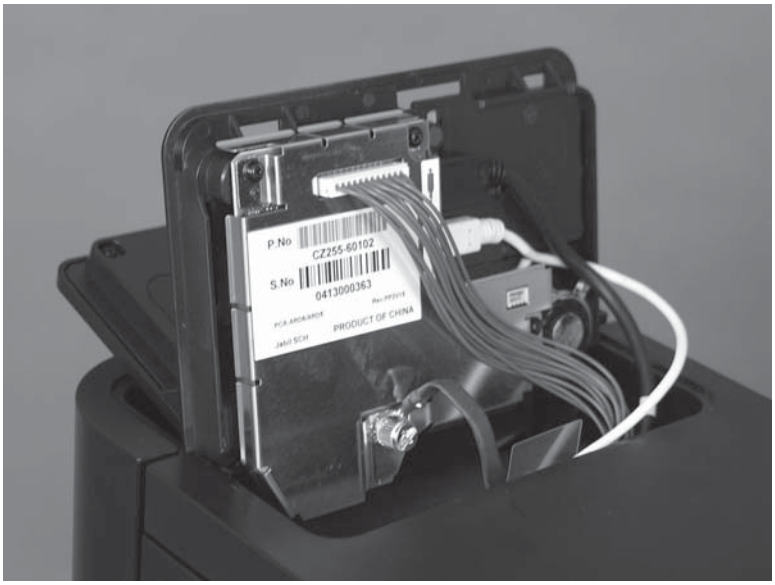
⚠ CAUTION: The control panel is still attached to the product by the control-panel cables. Do not attempt to completely remove the assembly.

Figure 1-54 Remove the control panel assembly (M855; 6 of 10)



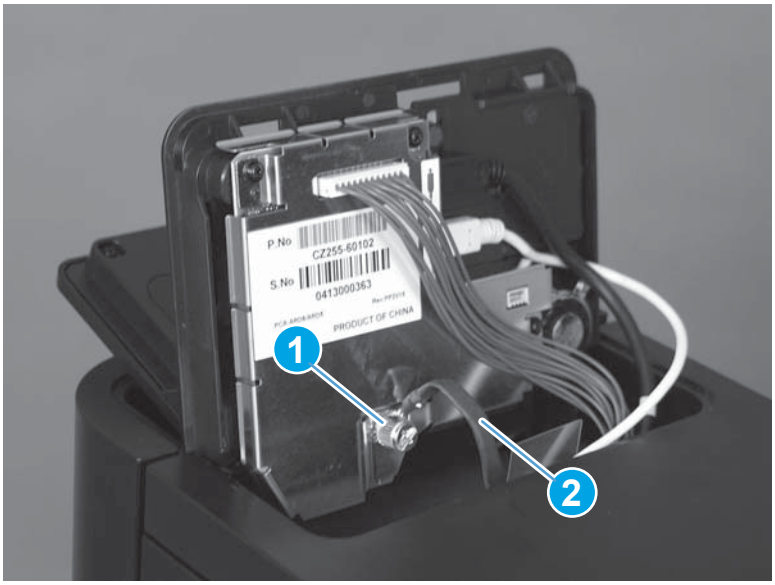
7. Tilt the control panel forward to access the control-panel connectors.

Figure 1-55 Remove the control panel assembly (M855; 7 of 10)



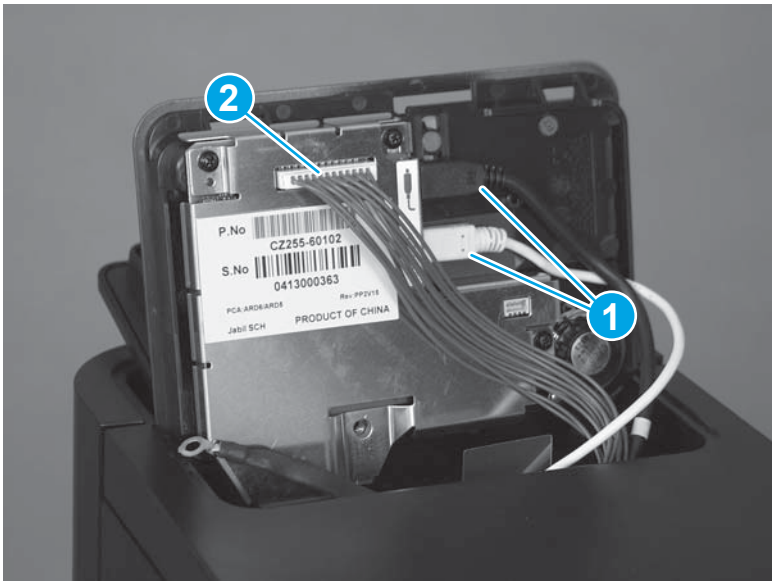
8. Remove one screw (callout 1), and then release one ground wire (callout 2).

Figure 1-56 Remove the control panel assembly (M855; 8 of 10)



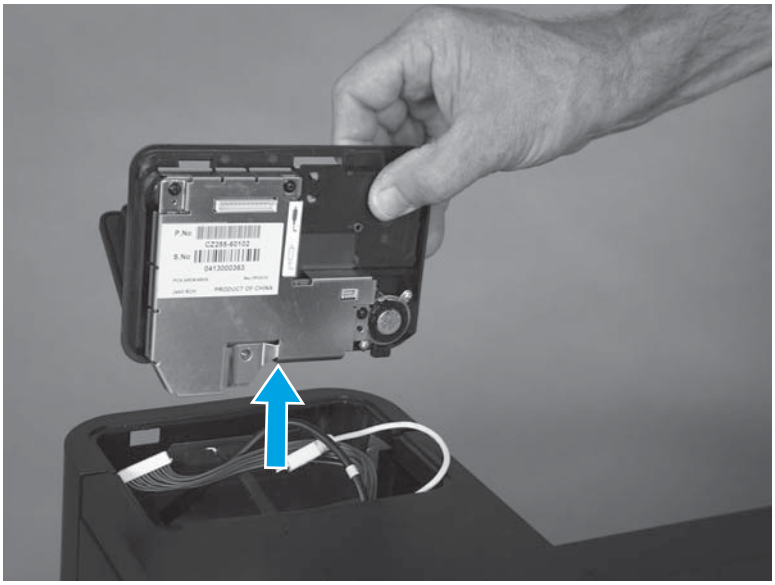
9. Disconnect two USB cables (callout 1), and then disconnect one connector (callout 2).

Figure 1-57 Remove the control panel assembly (M855; 9 of 10)



10. Remove the control panel assembly.

Figure 1-58 Remove the control panel assembly (M855; 10 of 10)



Reinstall the control panel assembly (M855)

Make sure that the USB cables (callout 1) are connected to the correct connectors. See the label (callout 2) next to the connectors.

NOTE: One connector on the control panel is not used and remains empty.

Figure 1-59 Reinstall the control panel (M855)

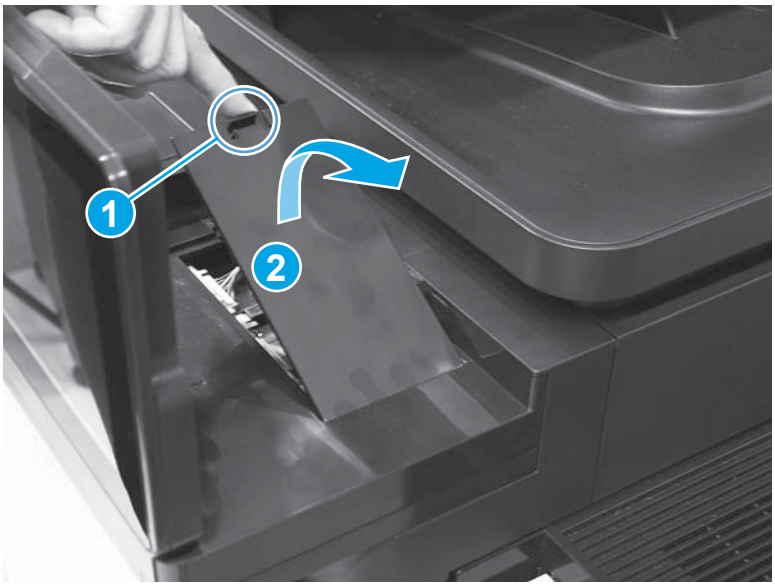
Control panel assembly (M880)

1. Tilt the control panel up.

Figure 1-60 Remove the control panel assembly (M880; 1 of 8)

2. Release one tab (callout 1), and then rotate the cover up (callout 2) to remove it.

Figure 1-61 Remove the control panel assembly (M880; 2 of 8)



3. Slide the keyboard about halfway out of the product.

Figure 1-62 Remove the control panel assembly (M880; 3 of 8)

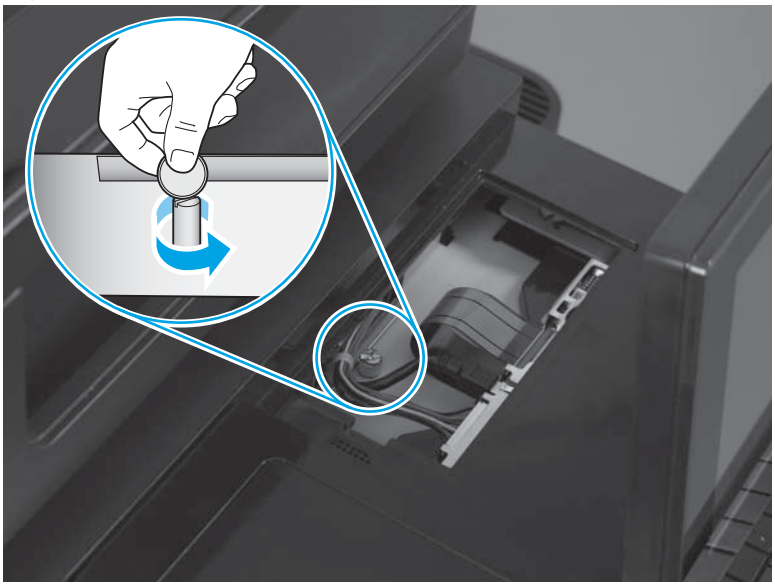
4. Disconnect two connectors.

Figure 1-63 Remove the control panel assembly (M880; 4 of 8)

5. Remove one screw.

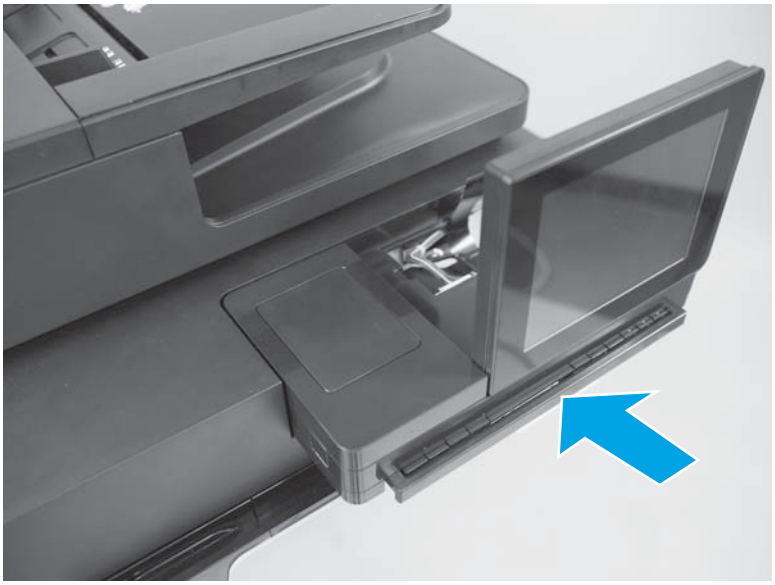
TIP: Use the edge of a coin to loosen the screw.

Figure 1-64 Remove the control panel assembly (M880; 5 of 8)



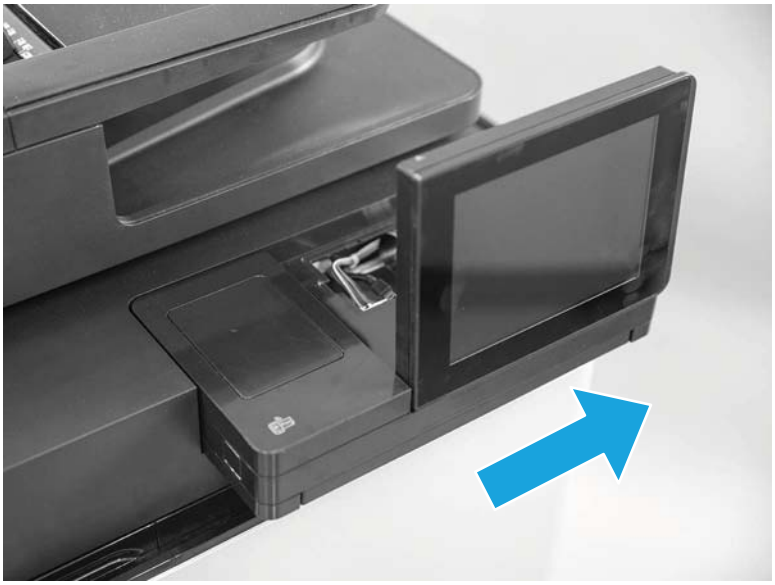
6. Slide the keyboard tray all the way into the product.

Figure 1-65 Remove the control panel assembly (M880; 6 of 8)



7. Slide the control panel toward the right door.

Figure 1-66 Remove the control panel assembly (M880; 7 of 8)

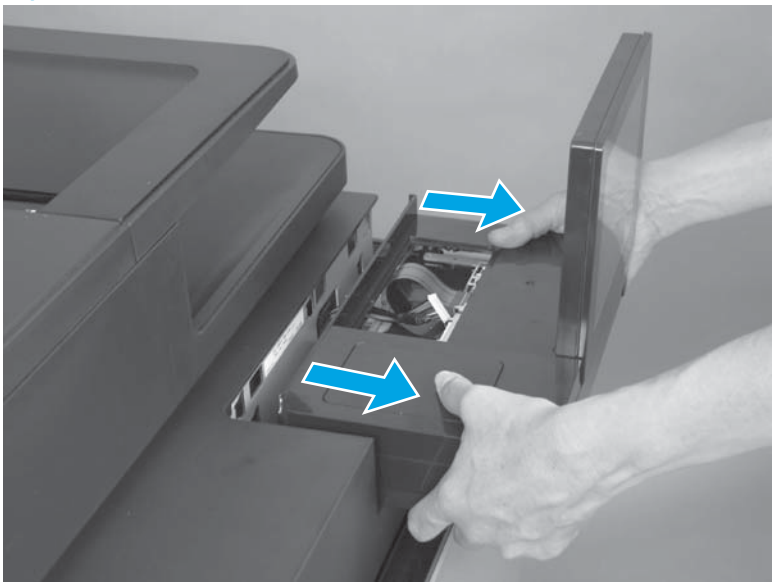


8. Slide the control panel toward the front of the product to remove it.

Reinstallation tip If you are installing a replacement control panel assembly, remove the keyboard assembly so that it can be installed on the replacement control panel assembly. See Keyboard assembly (M880) on page 59.

IMPORTANT: If a device is installed in the hardware integration pocket (HIP), remove the HIP cover. See Hardware integration pocket (HIP) cover (M880) on page 98. Remove the device and transfer it to the replacement control panel.

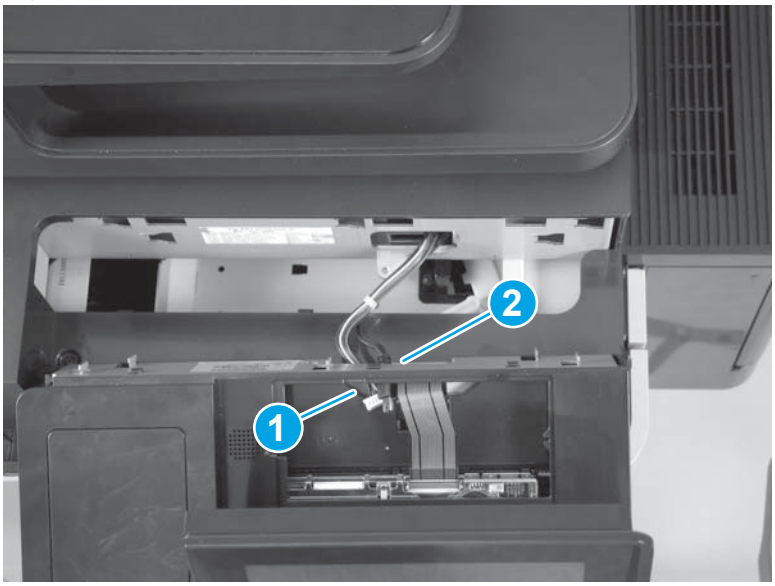
Figure 1-67 Remove the control panel assembly (M880; 8 of 8)



Reinstall the control panel assembly (M880)

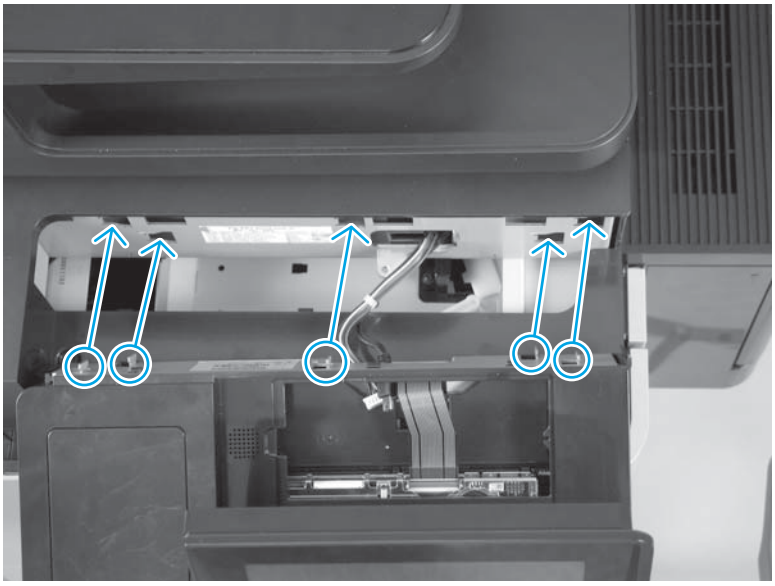
1. Insert the cable and wire harness (callout 1) into the opening at the back of the control panel (callout 2).

Figure 1-68 Reinstall the control panel assembly (M880; 1 of 3)



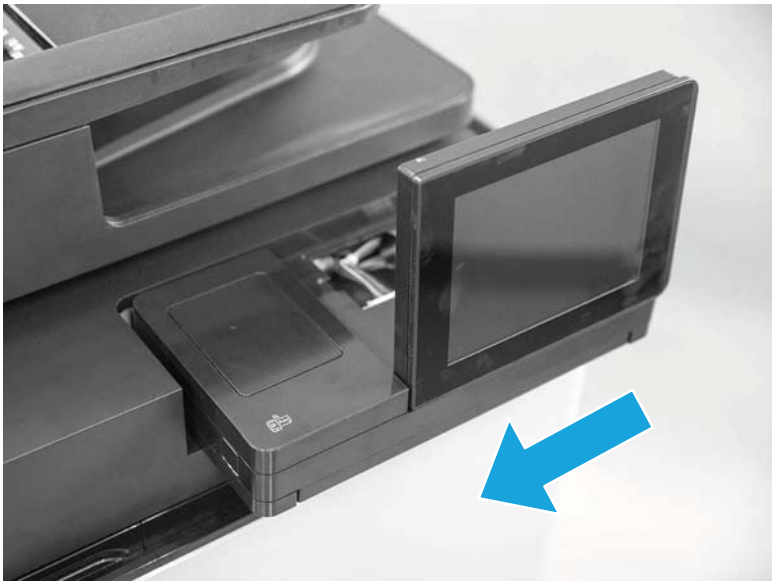
2. Insert the tabs on the control panel into the slots on the product.

Figure 1-69 Reinstall the control panel assembly (M880; 2 of 3)



3. Slide the control panel toward the left door to secure it to the product.

Figure 1-70 Reinstall the control panel assembly (M880; 3 of 3)



Keyboard assembly (M880)

Before proceeding, remove the following assemblies:

- Control panel (M880). See Control panel assembly (M880) on page 53.

Remove the keyboard assembly (M880)

1. Place the control panel on a flat surface.

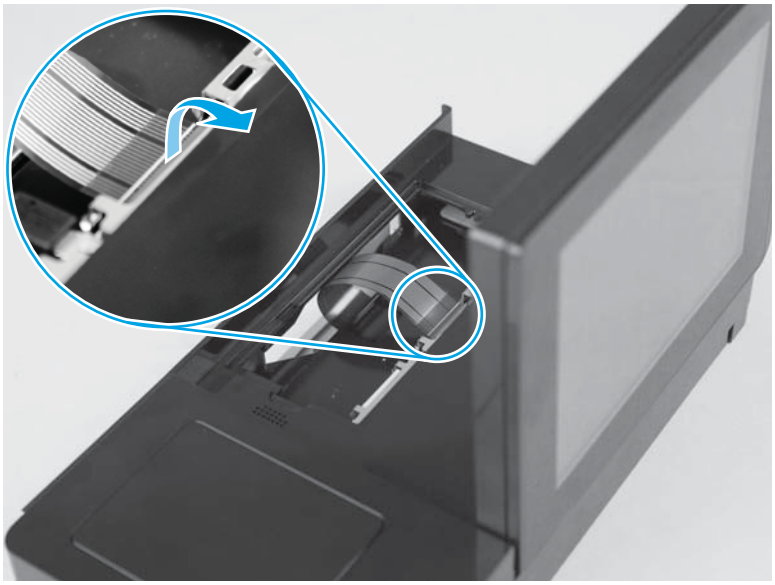
Figure 1-71 Remove the keyboard assembly (M880; 1 of 7)

2. Open the hinged latch to release the flat cable.

⚠ CAUTION: This connector is a Zero Insertion Force (ZIF) connector that uses a hinged retainer to secure a flat cable. The hinged retainer must be opened to release the flat cable.

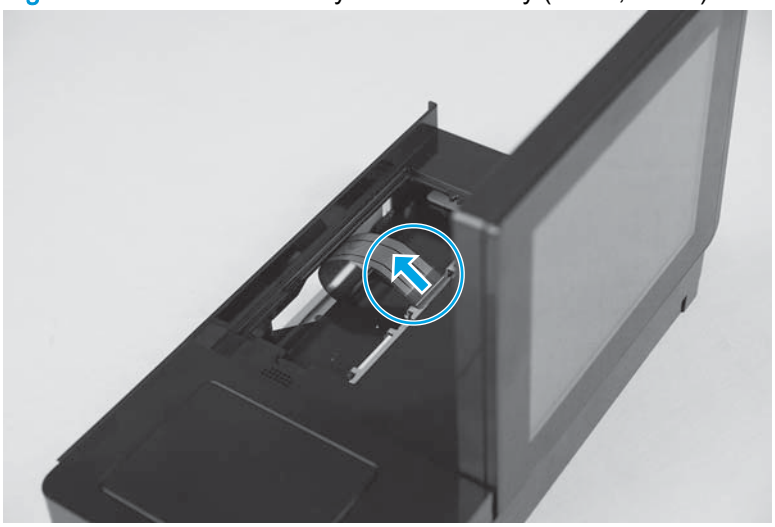
CAUTION: Be careful. Do not dislodge the latch from the connector when opening it.

Figure 1-72 Remove the keyboard assembly (M880; 2 of 7)



3. Disconnect the flat cable.

Figure 1-73 Remove the keyboard assembly (M880; 3 of 7)



4. Tilt the screen down until it lies flat.

Figure 1-74 Remove the keyboard assembly (M880; 4 of 7)

5. Slide the keyboard tray all of the way out of the control panel until it stops.

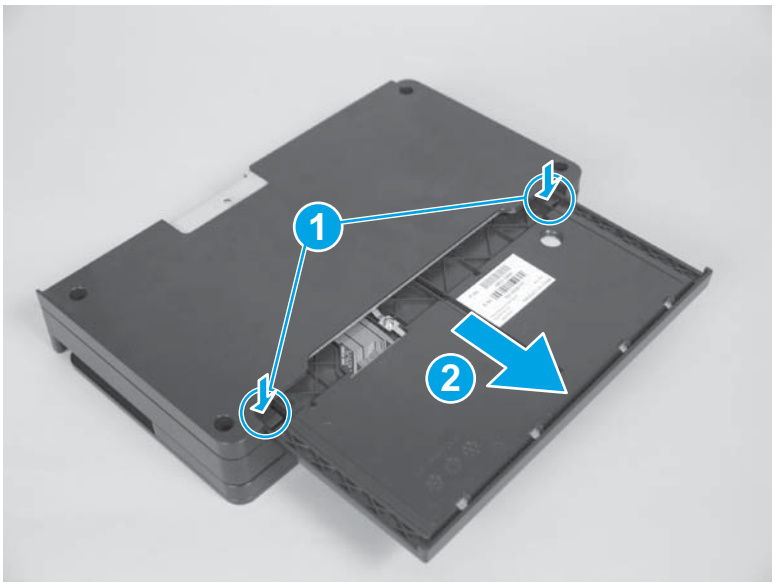
Figure 1-75 Remove the keyboard assembly (M880; 5 of 7)

6. Turn the control panel face-down on the work surface.

Figure 1-76 Remove the keyboard assembly (M880; 6 of 7)

7. Release and hold two tabs (callout 1) while sliding the keyboard tray away from the control panel (callout 2) to remove it.

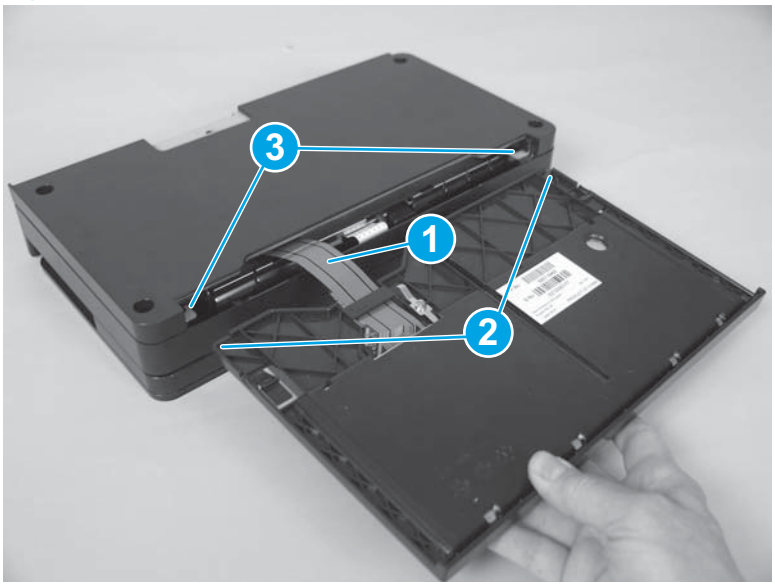
Figure 1-77 Remove the keyboard assembly (M880; 7 of 7)



Reinstall the keyboard assembly (M880)

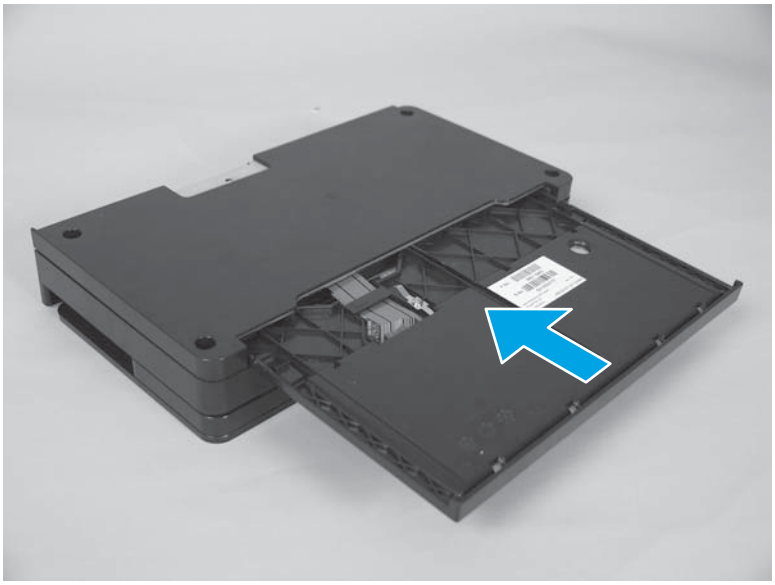
1. Turn the keyboard tray upside down, and then position the flat cable (callout 1) inside the tray cavity. Align the edges of the tray (callout 2) with the slots in the control panel (callout 3).

Figure 1-78 Reinstall the keyboard assembly (M880; 1 of 7)



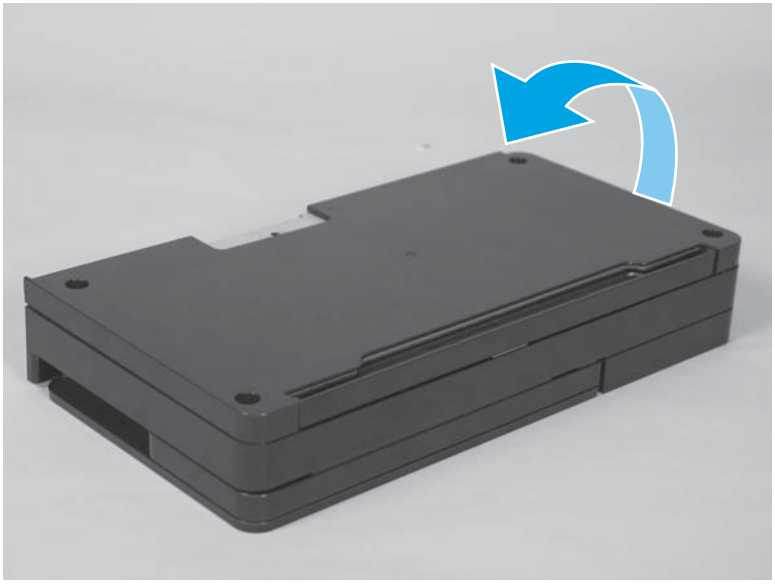
2. Slide the keyboard tray all the way into the control panel. The tabs on the tray snap into place as it is installed.

Figure 1-79 Reinstall the keyboard assembly (M880; 2 of 7)



3. Turn the control panel face-up.

Figure 1-80 Reinstall the keyboard assembly (M880; 3 of 7)



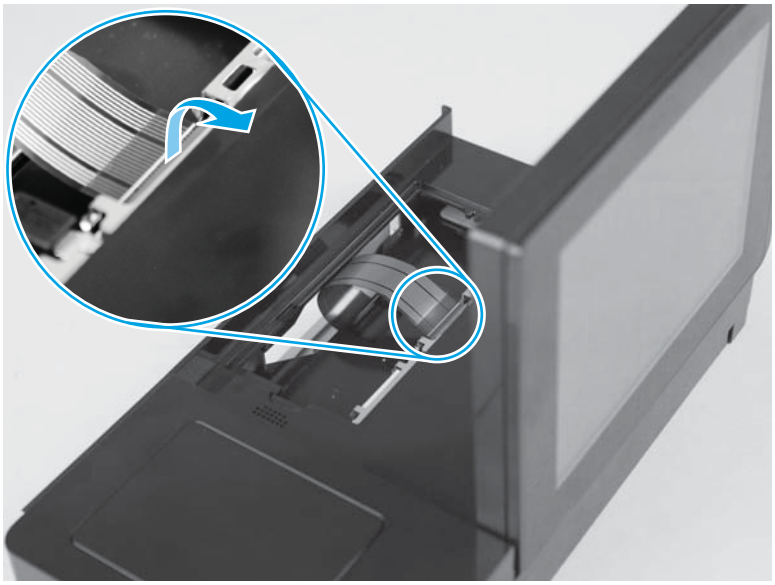
4. Tilt the screen up.

Figure 1-81 Reinstall the keyboard assembly (M880; 4 of 7)

5. Open the hinged latch, and then position the flat cable in the connector.

⚠ **CAUTION:** Be careful. Do not dislodge the latch from the connector when opening it.

Figure 1-82 Reinstall the keyboard assembly (M880; 5 of 7)

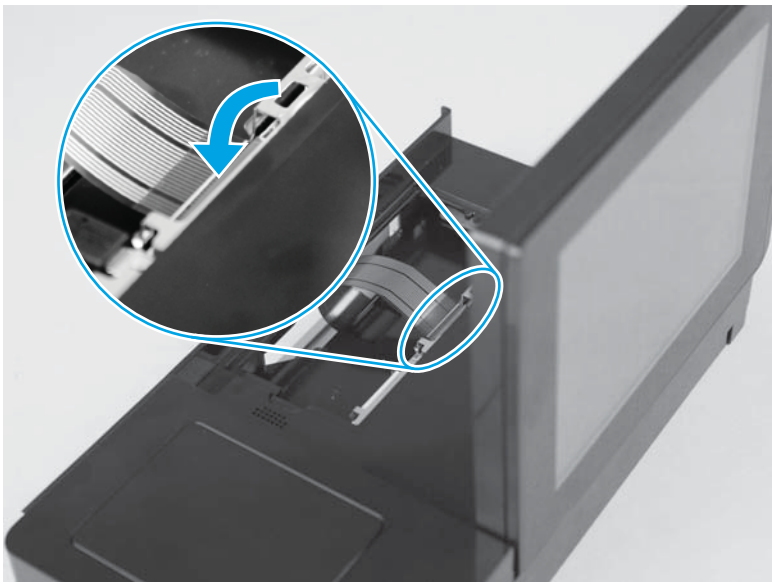


6. Carefully close the latch to lock the flat cable into position.

⚠ **CAUTION:** This connector is a Zero Insertion Force (ZIF) connector that uses a hinged retainer to secure a flat cable. When the flat cable is reinstalled, fully insert the flat cable in the connector, and then close the hinged retainer to lock the flat cable into the connector and provide proper electrical contact. If the flat cable is not locked into the connector, no electrical contact will occur.

CAUTION: Be careful. Do not dislodge the latch from the connector when closing it.

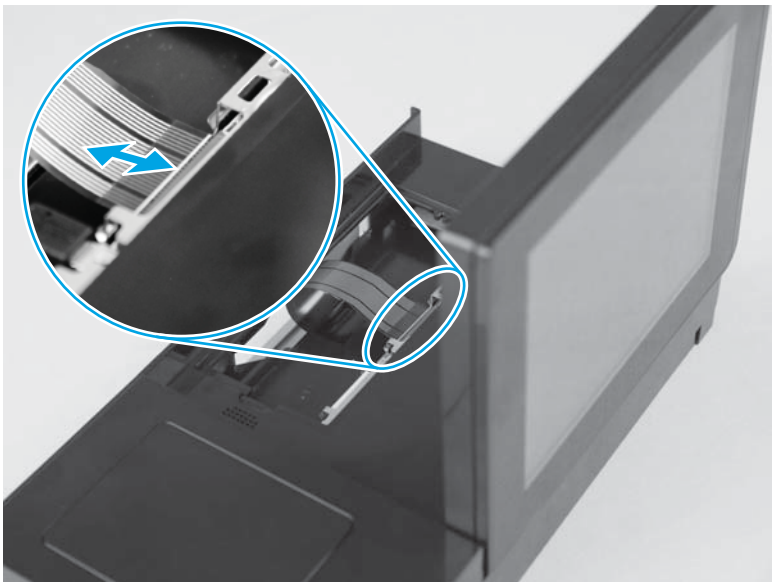
Figure 1-83 Reinstall the keyboard assembly (M880; 6 of 7)



7. Lightly pull on the flat cable to verify that it is securely fastened in the connector.

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

Figure 1-84 Reinstall the keyboard assembly (M880; 7 of 7)



Pickup, feed, and separation rollers and pads

- Document-feeder roller (M880 only)
- Document-feeder separation pad (M880 only)
- Tray 1 rollers
- Tray 2, 1x500-sheet feeder, and 3x500-sheet feeder rollers
- High-capacity input (HCI) rollers

Document-feeder roller (M880 only)

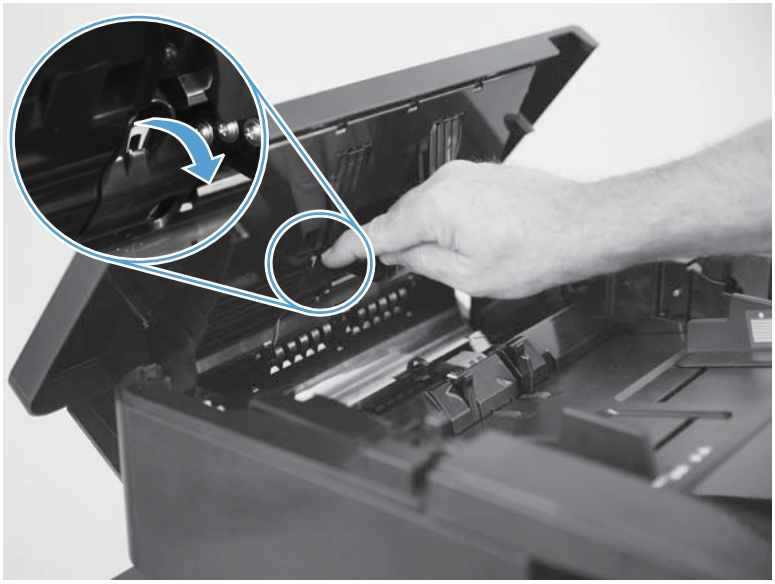
⚠ CAUTION: If you are replacing the roller, do not touch the surface of the replacement roller. Skin oils deposited on the roller might cause paper pickup problems.

1. Open the document-feeder door.

Figure 1-85 Remove the document-feeder roller (M880; 1 of 3)

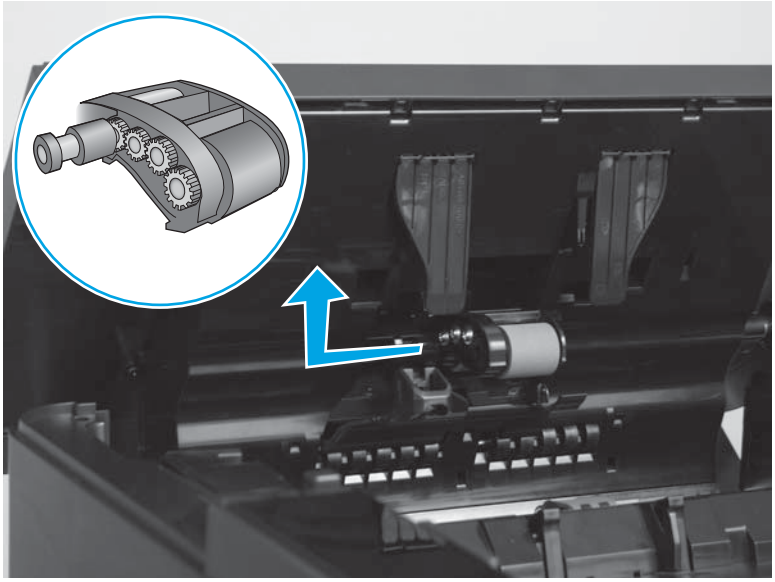
2. Release one tab, and then open the access door.

Figure 1-86 Remove the document-feeder roller (M880; 2 of 3)



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

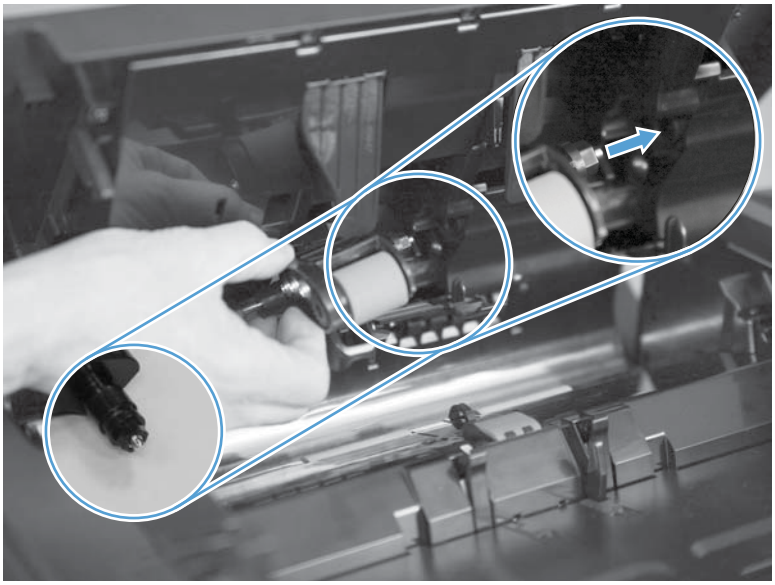
Figure 1-87 Remove the document-feeder roller (M880; 3 of 3)



Reinstall the document-feeder roller (M880 only)

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 1-88 Reinstall the document-feeder roller (M880)



IMPORTANT: When the roller is reinstalled, the access door must be fully closed. When you close the door, you should hear two audible clicks. If, after replacing the roller document feeder, a document feeder jam message appears on the control panel display, make sure that the access door is fully closed.

Document-feeder separation pad (M880 only)

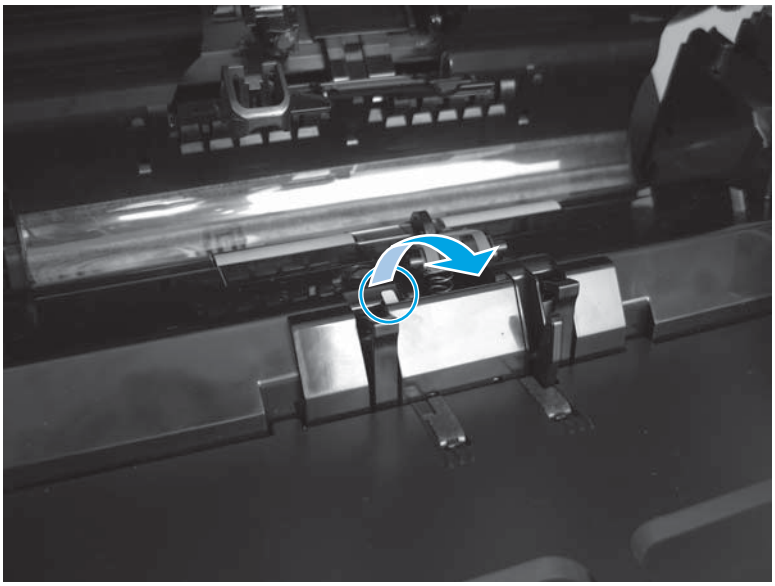
⚠ **CAUTION:** If you are replacing the pad, do not touch the surface of the replacement pad. Skin oils deposited on the pad might cause paper pickup problems.

1. Open the document-feeder door.

Figure 1-89 Remove the document-feeder separation pad (M880; 1 of 4)

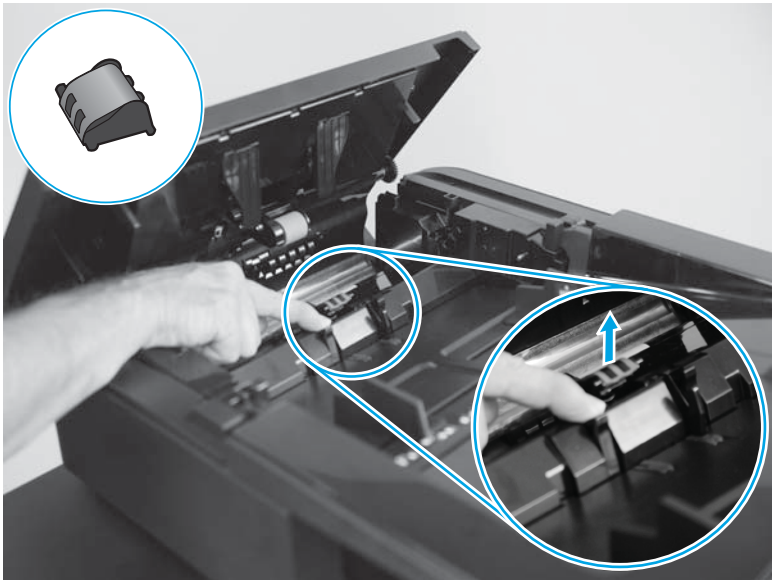
2. Release one tab to open the access door.

Figure 1-90 Remove the document-feeder separation pad (M880; 2 of 4)



3. The separation pad is spring-loaded and partially releases when the access door is opened.

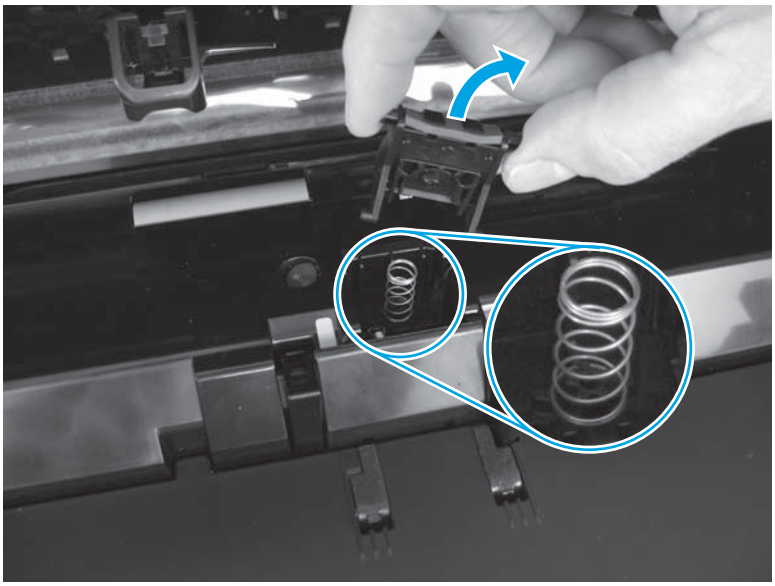
Figure 1-91 Remove the document-feeder separation pad (M880; 3 of 4)



4. Lift the separation pad up and away from the product.

⚠ CAUTION: If the spring becomes dislodged, securely reinstall it as shown below.

Figure 1-92 Remove the document-feeder separation pad (M880; 4 of 4)



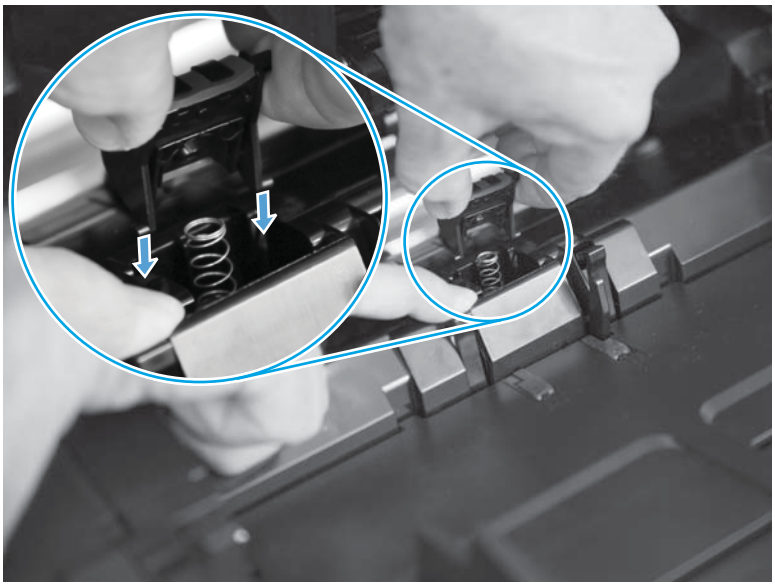
Reinstall the document-feeder separation pad (M880 only)

1. Release and hold the separation pad access door open.

Figure 1-93 Reinstall the document-feeder separation pad (M880; 1 of 5)

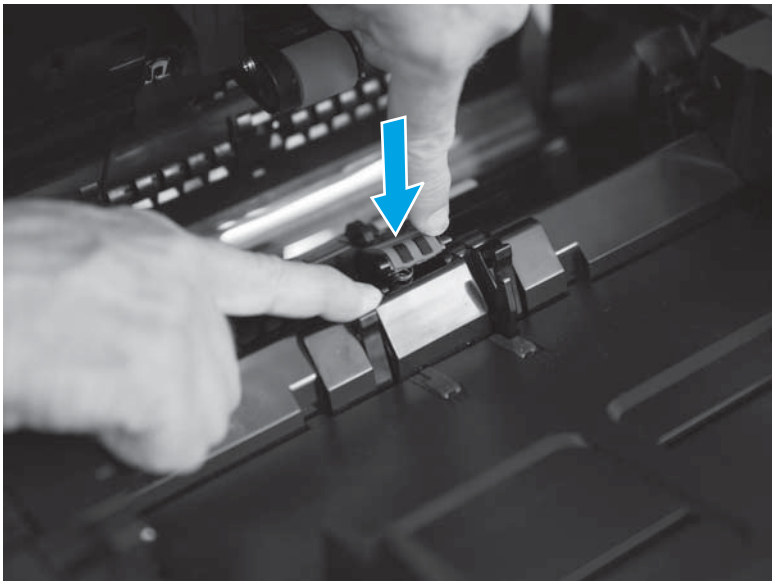
2. Align the pins on the separation pad with the mounting slots.

Figure 1-94 Reinstall the document-feeder separation pad (M880; 2 of 5)



3. Carefully press down on the separation pad to compress the spring.

Figure 1-95 Reinstall the document-feeder separation pad (M880; 3 of 5)

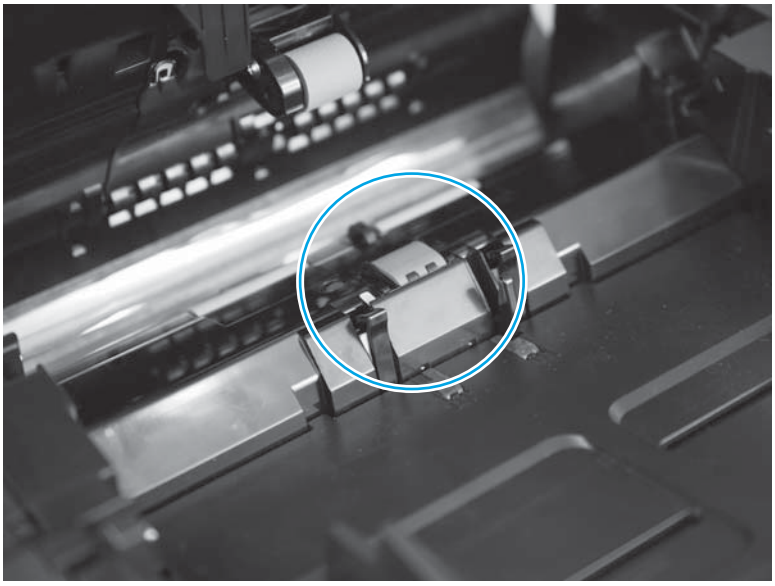


4. Continue to press down on the separation pad, and then release the access door.

Figure 1-96 Reinstall the document-feeder separation pad (M880; 4 of 5)

5. Verify that the separation pad is correctly installed and that the access door is fully closed as shown below.

Figure 1-97 Reinstall the document-feeder separation pad (M880; 5 of 5)

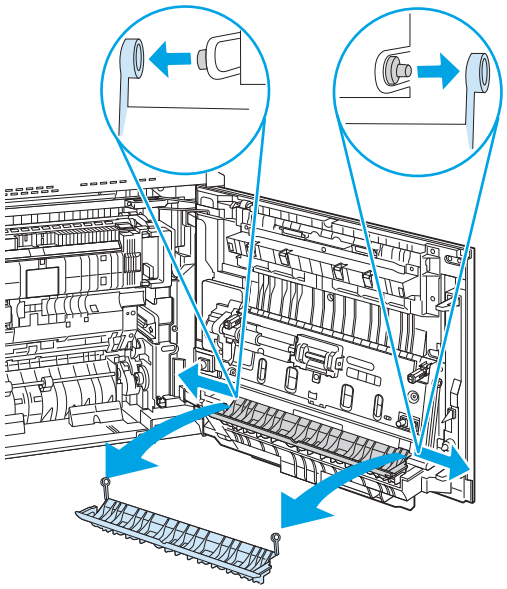


Tray 1 rollers

CAUTION: Do not touch the surface of the rollers. Skin oils deposited on the rollers might cause paper pickup problems.

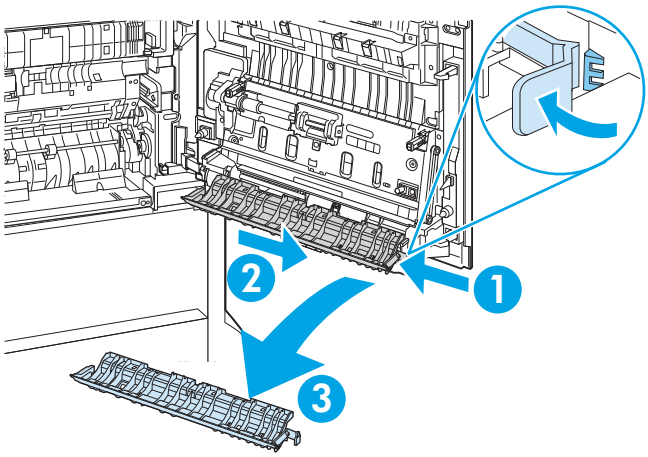
1. Open the right door.
2. Release two hinge pins and then remove the paper-feed cover.

Figure 1-98 Remove the Tray 1 rollers (1 of 5)



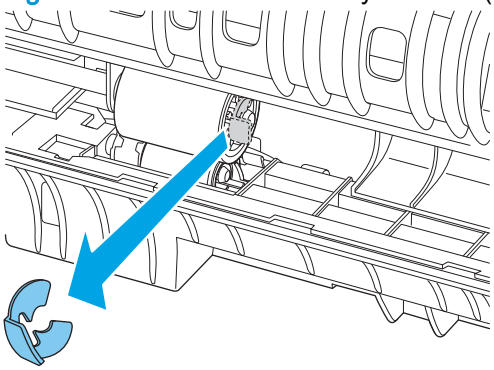
3. Release one tab (callout 1), slide the multipurpose upper feed guide to the right to release it (callout 2), and then lift it away from the door to remove it (callout 3).

Figure 1-99 Remove the Tray 1 rollers (2 of 5)



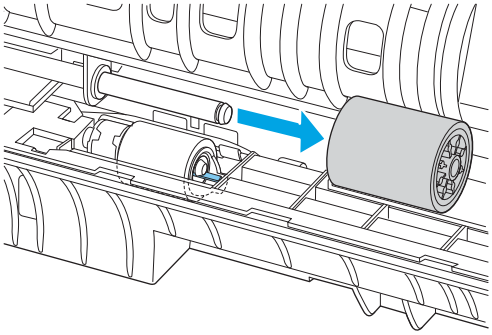
4. Remove one plastic clip.

Figure 1-100 Remove the Tray 1 rollers (3 of 5)



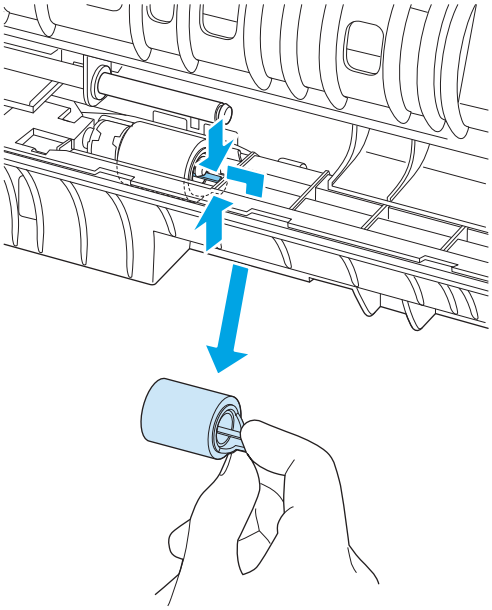
5. Remove the upper roller by sliding it to the right.

Figure 1-101 Remove the Tray 1 rollers (4 of 5)



6. Pinch and hold the tab at the end of the lower roller to release it, and then slide the roller to the right to release it from the metal shaft. Slide the roller down to remove it.

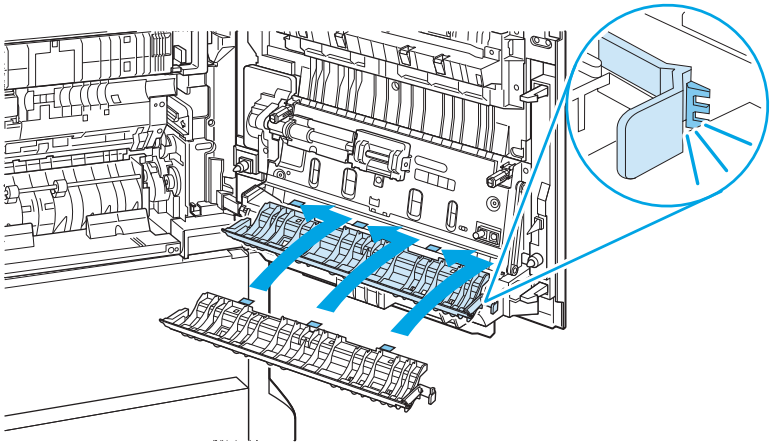
Figure 1-102 Remove the Tray 1 rollers (5 of 5)



Reinstall the Tray 1 rollers

Position the tabs on the multipurpose upper feed guide in the slots in the right door, and then slide it to the left to secure it to the door. One tab will click into place when the guide is seated properly.

Figure 1-103 Reinstall the Tray 1 rollers



Tray 2, 1x500-sheet feeder, and 3x500-sheet feeder rollers

Before proceeding, remove one or more of the following trays, depending upon which rollers you are replacing:

- Tray 2. See Tray 2, 1x500 Tray 3, 3x500 Tray 3, 3x500 Tray 4, and 3x500 Tray 5 on page 18.
- 1x500 Tray 3 (1x500 only). See Tray 2, 1x500 Tray 3, 3x500 Tray 3, 3x500 Tray 4, and 3x500 Tray 5 on page 18.
- 3x500 Tray 3 (3x500 only). See Tray 2, 1x500 Tray 3, 3x500 Tray 3, 3x500 Tray 4, and 3x500 Tray 5 on page 18.
- 3x500 Tray 4 (3x500 only). See Tray 2, 1x500 Tray 3, 3x500 Tray 3, 3x500 Tray 4, and 3x500 Tray 5 on page 18.
- 3x500 Tray 5 (3x500 only). See Tray 2, 1x500 Tray 3, 3x500 Tray 3, 3x500 Tray 4, and 3x500 Tray 5 on page 18.

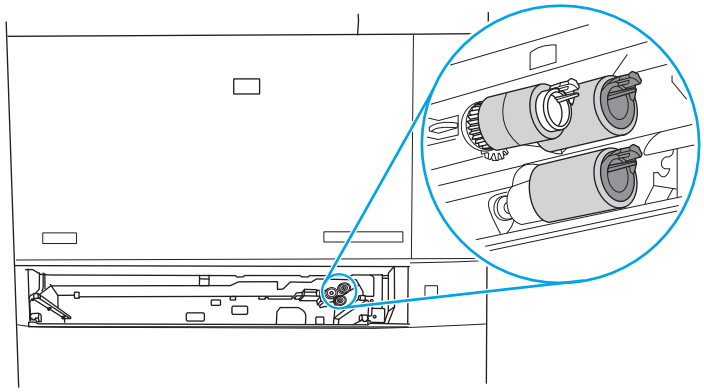
CAUTION: Do not touch the surface of the rollers. Skin oils deposited on the rollers might cause paper pickup problems.

NOTE: Tray 2 is shown in the figures below. The procedure is the same for all of the referenced trays.

Remove the Tray 2, 1x500-sheet feeder, and 3x500-sheet feeder rollers

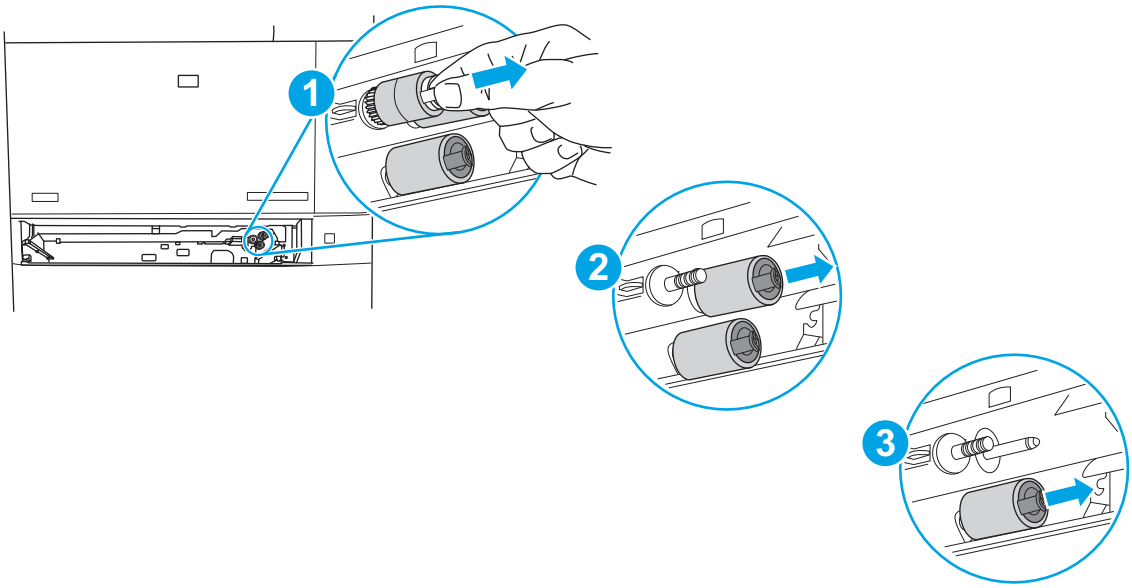
1. Remove the appropriate tray. See Tray 2, 1x500 Tray 3, 3x500 Tray 3, 3x500 Tray 4, and 3x500 Tray 5 on page 18.
2. Locate the rollers on the right-hand side of the tray cavity.

Figure 1-104 Remove the Tray 2, 1x500, and 3x500 rollers (1 of 2)



3. Grasp the plastic tab on the roller and then pull the roller off of the rod. Repeat the process for the other rollers.

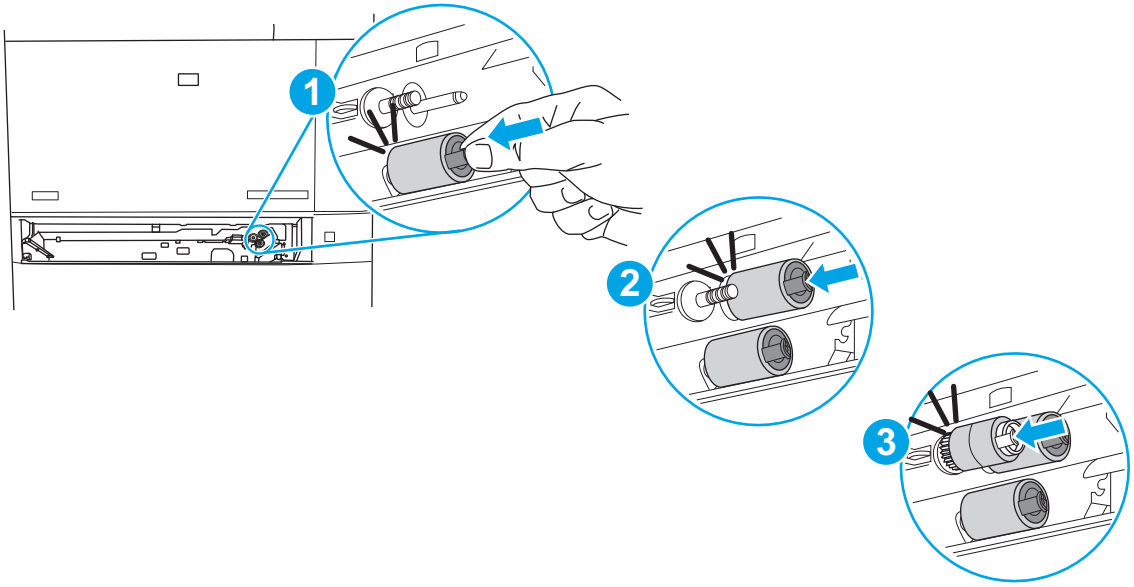
Figure 1-105 Remove the Tray 2, 1x500, and 3x500 rollers (2 of 2)



Reinstall the Tray 2, 1x500-sheet feeder, and 3x500-sheet feeder rollers

Reinstall the rollers in the order shown below. Make sure that the rollers snap into place.

Figure 1-106 Reinstall the Tray 2, 1x500, and 3x500 rollers



High-capacity input (HCI) rollers

Before proceeding, remove the following assemblies:

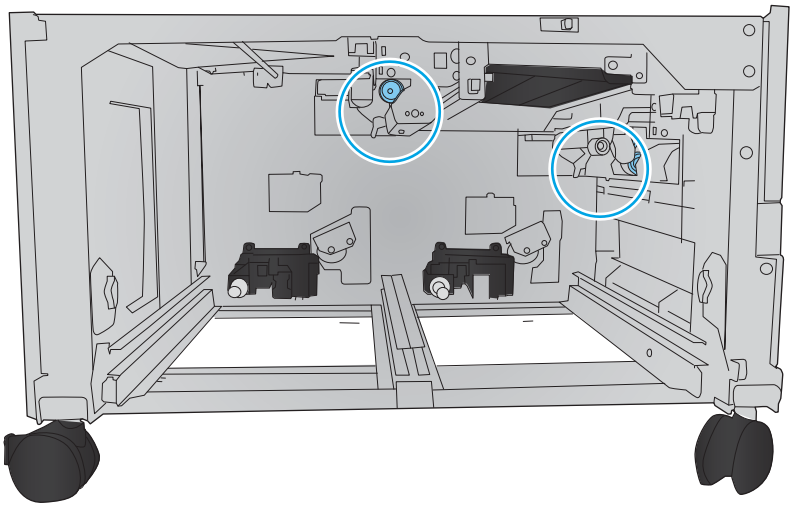
- HCI right tray. See HCI right tray on page 360.
- HCI left tray. See HCI left tray on page 361.

CAUTION: If you are replacing the rollers, do not touch the surface of the replacement rollers. Skin oils deposited on the rollers might cause paper pickup problems.

Remove the HCI rollers

1. Locate the rollers inside the tray cavity.

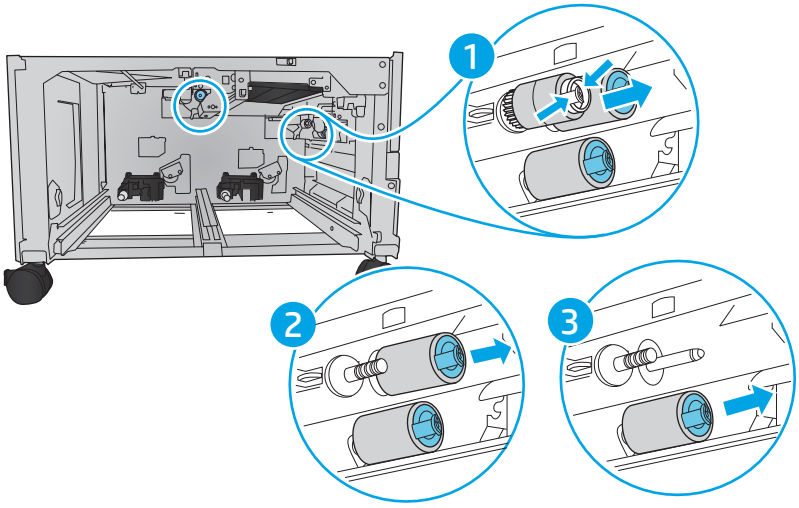
Figure 1-107 Remove the HCI rollers (1 of 2)



2. Pinch the tabs at the end of the rollers to release them, and then remove two rollers in the order shown below.

NOTE: One roller is not replaced.

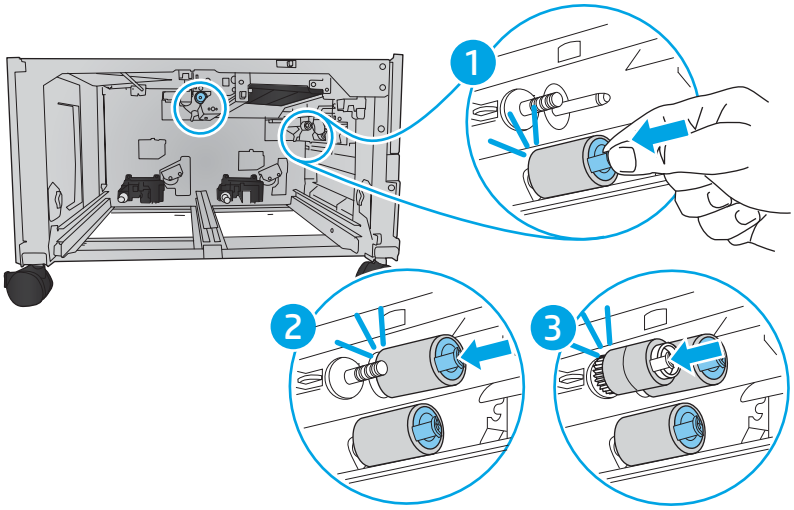
Figure 1-108 Remove the HCI rollers (2 of 2)



Reinstall the HCI rollers

Reinstall the rollers in the order shown below. Make sure that the rollers snap into place.

Figure 1-109 Reinstall the HCI rollers



Covers and doors

TIP: For clarity, some figures in this chapter show assemblies removed that are not required to be removed to service the product (for example, the scanner and document feeder assemblies). The procedures in this manual are correct for your product.

- Location of major components
- Scanner back cover (M880)
- Scanner left cover (M880)
- Scanner right cover (M880)
- Scanner front cover (M880)
- Right upper rear cover (M855)
- Hardware integration pocket (HIP) cover (M855)
- Hardware integration pocket (HIP) cover (M880)
- Face-down bin
- Left rear cover
- Switch back cover
- Lower right cover
- Rear upper rear cover (M880)
- Right upper rear cover (M880)
- Rear upper MFP cover (M880)
- Left upper rear cover and rear upper B cover (M880)
- Rear upper front cover (M880)
- Front top cover
- Rear top cover (M855)
- Left cover
- Right upper front cover (M855)
- Right upper front cover (M880)
- Right upper cover (M855)
- Right door assembly
- Left front cover
- Front door
- Rear cover
- Right rear cover

- Front inner cover

Location of major components

Figure 1-110 M855 base product covers and doors (1 of 2)

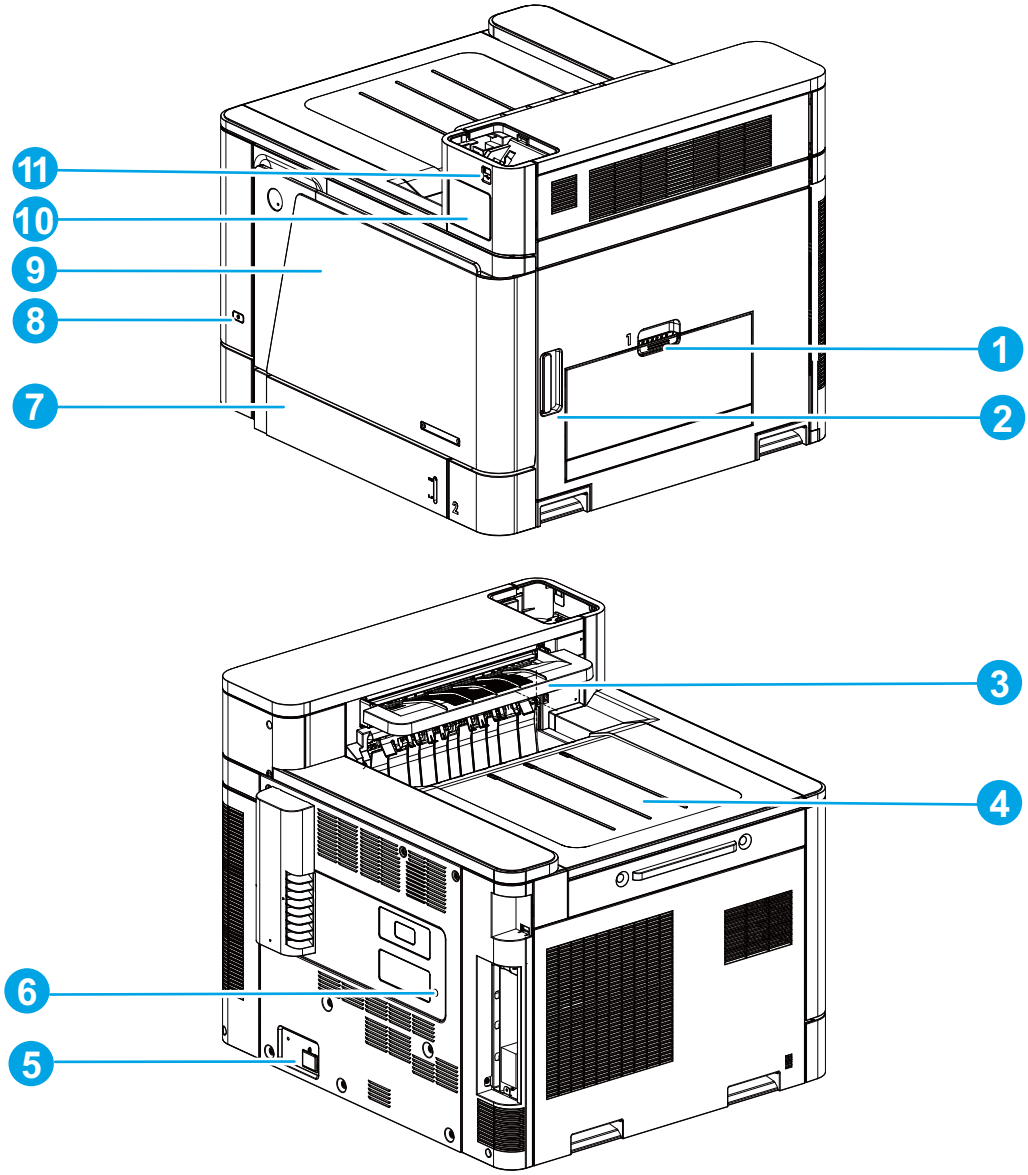


Table 1-5 M855 base product covers and doors (1 of 2)

Item	Description	Item	Description
1	Tray 1	7	Tray 2
2	Right door	8	Power switch
3	Switch back tray	9	Front door
4	Face-down bin	10	HIP cover
5	Power receptacle	11	USB insertion slot
6	Engine test button		

Figure 1-111 M855 base product covers and doors (2 of 2)

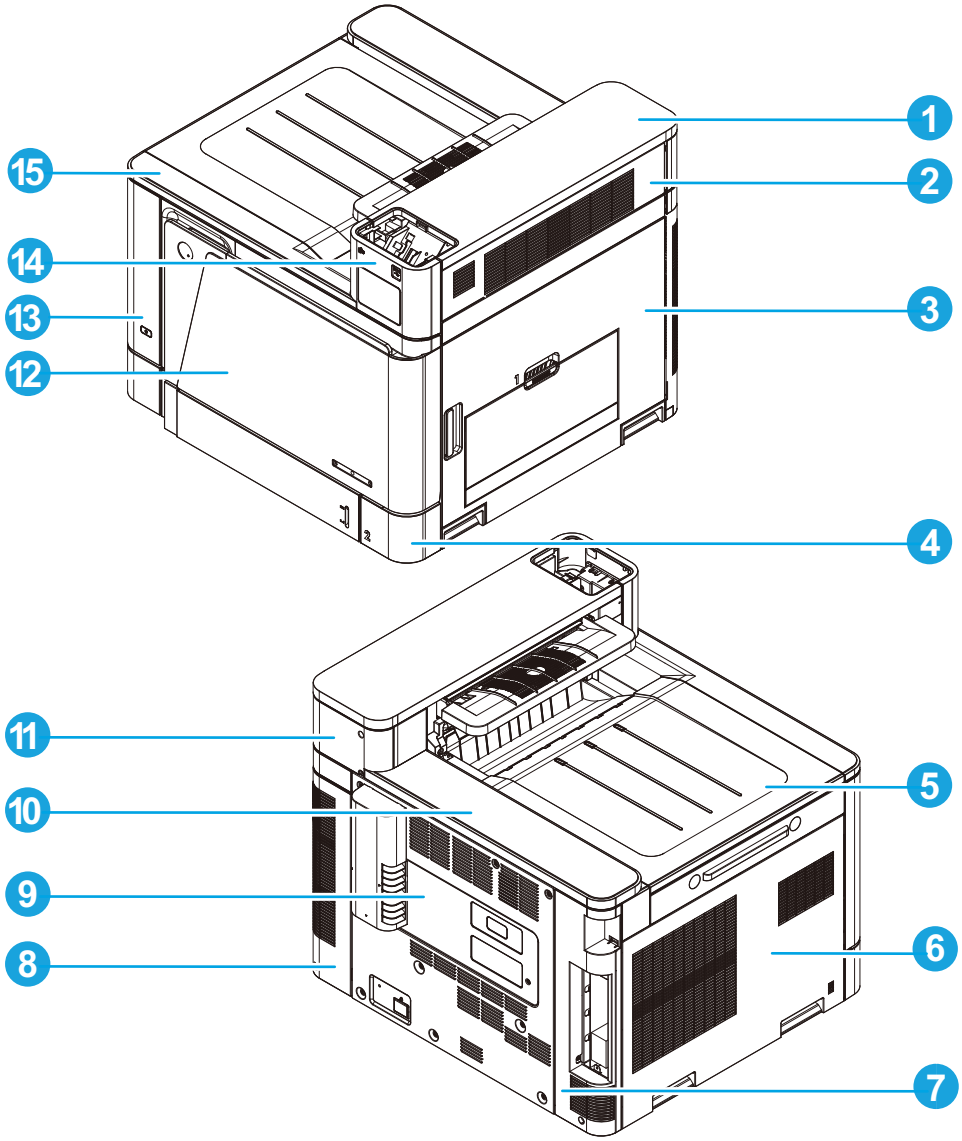


Table 1-6 M855 base product covers and doors (2 of 2)

Item	Description	Item	Description
1	Right upper cover	9	Rear cover
2	Switch back cover	10	Rear top cover
3	Right door assembly	11	Right upper rear cover
4	Lower right cover	12	Front door assembly
5	Face-down bin	13	Left front cover
6	Left cover	14	Right upper front cover
7	Left rear cover	15	Front top cover
8	Right rear cover		

Figure 1-112 M880 base product covers and doors (1 of 2)

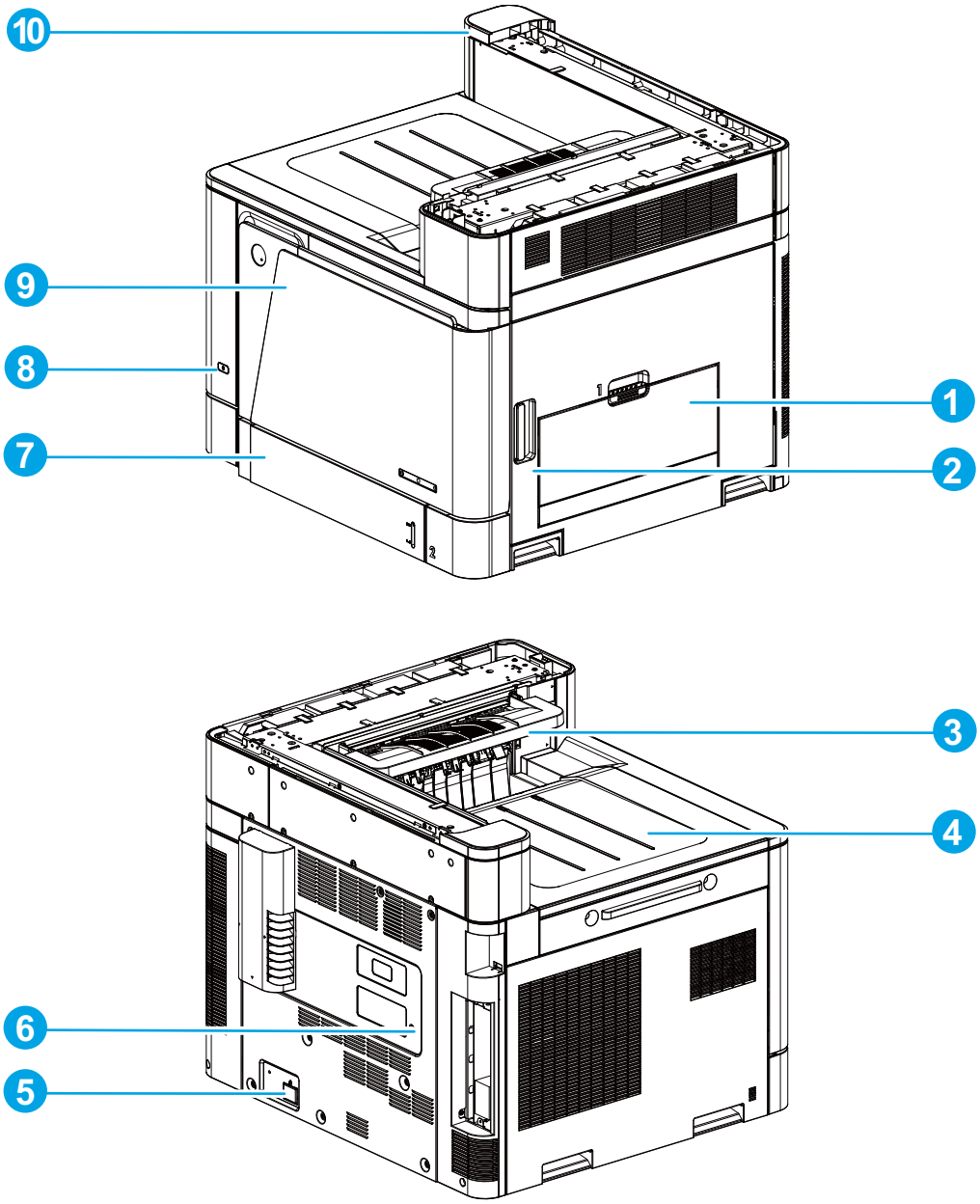


Table 1-7 M880 base product covers and doors (1 of 2)

Item1	Description	Item	Description
1	Tray 1	6	Engine test button
2	Right door	7	Tray 2
3	Switch back tray	8	Power switch
4	Face-down bin	9	Front door
5	Power receptacle	10	Rear upper MFP cover

Figure 1-113 M880 base product covers and doors (2 of 2)

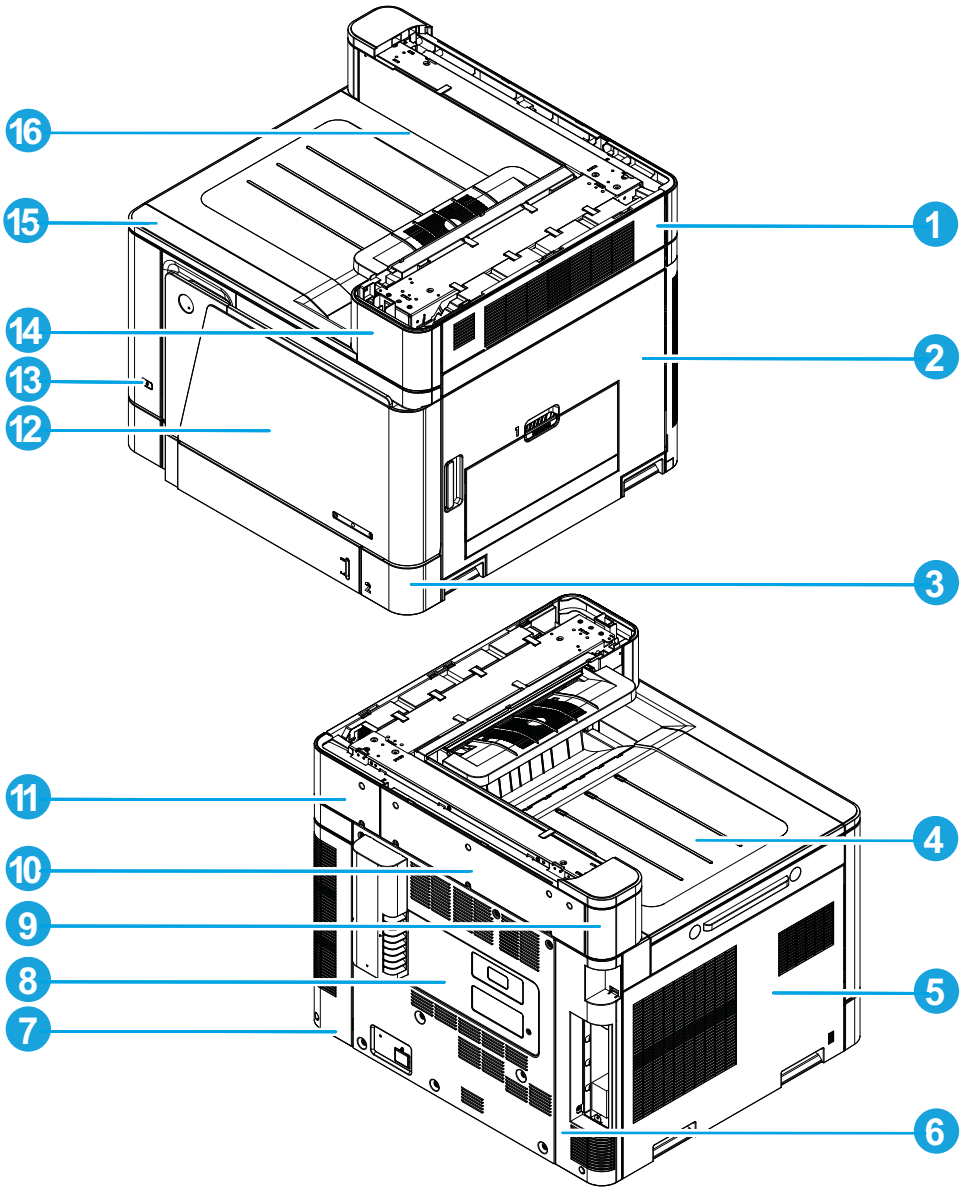


Table 1-8 M880 base product covers and doors (2 of 2)

Item	Description	Item	Description
1	Switch back cover	9	Left upper rear cover
2	Right door assembly	10	Rear upper rear cover
3	Lower right cover	11	Right upper rear cover
4	Face-down bin	12	Front door assembly
5	Left cover	13	Left front cover
6	Left rear cover	14	Right upper front cover
7	Right rear cover	15	Front top cover
8	Rear cover	16	Rear upper front cover

Scanner back cover (M880)

1. Remove two screws.

Figure 1-114 Remove the scanner back cover (M880; 1 of 2)

2. Remove the cover.

Figure 1-115 Remove the scanner back cover (M880; 2 of 2)

Scanner left cover (M880)

Before proceeding, remove the following assemblies:

- Scanner back cover (M880). See Scanner back cover (M880) on page 88.

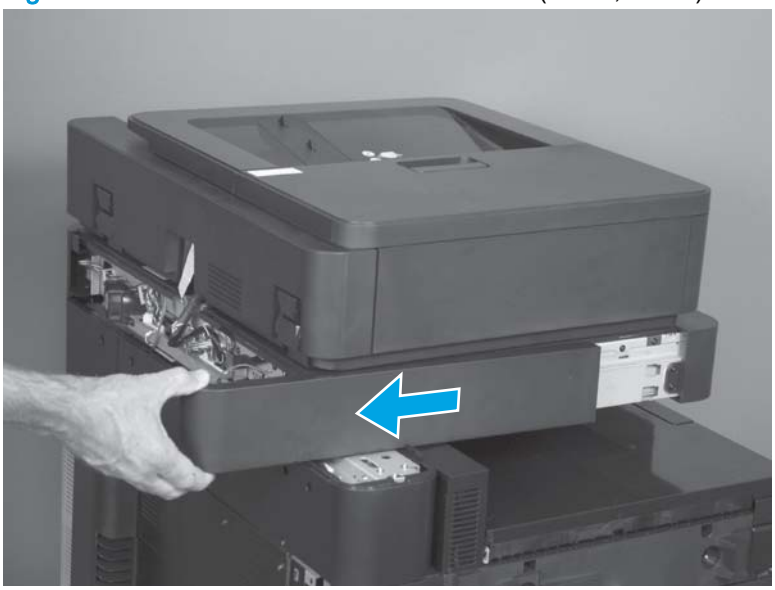
Remove the scanner left cover (M880)

1. Remove two screws.

Figure 1-116 Remove the scanner left cover (M880; 1 of 2)

2. Slide the cover towards the rear of the product to release it, and then remove the cover.

Figure 1-117 Remove the scanner left cover (M880; 2 of 2)



Scanner right cover (M880)

Before proceeding, remove the following assemblies:

- Scanner back cover (M880). See Scanner back cover (M880) on page 88.

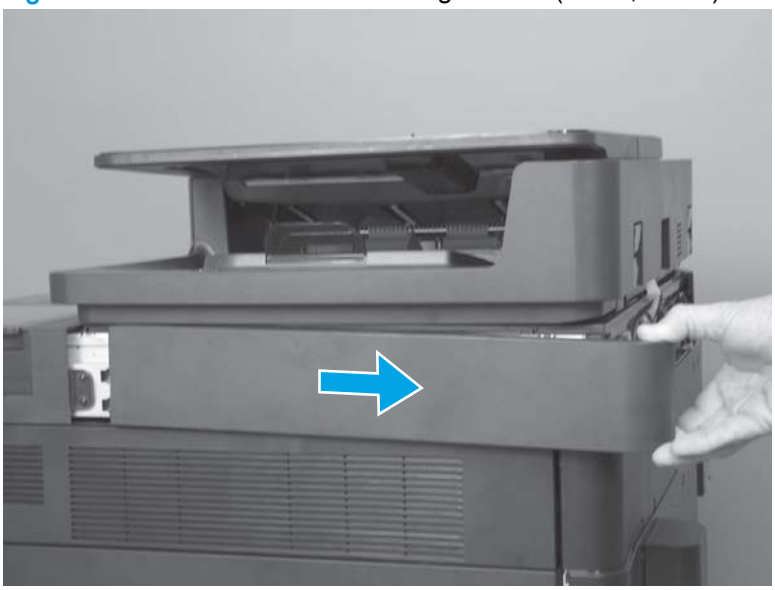
Remove the scanner right cover (M880)

1. Remove two screws.

Figure 1-118 Remove the scanner right cover (M880; 1 of 2)

2. Slide the cover towards the rear of the product to remove it.

Figure 1-119 Remove the scanner right cover (M880; 2 of 2)



Scanner front cover (M880)

Before proceeding, remove the following assemblies:

- Hardware integration pocket (HIP) cover (M880). See Hardware integration pocket (HIP) cover (M880) on page 98.
- Control panel assembly (M880). See Control panel assembly (M880) on page 53.
- Scanner back cover (M880). See Scanner back cover (M880) on page 88.
- Scanner left cover (M880). See Scanner left cover (M880) on page 89.
- Scanner right cover (M880). See Scanner right cover (M880) on page 90.

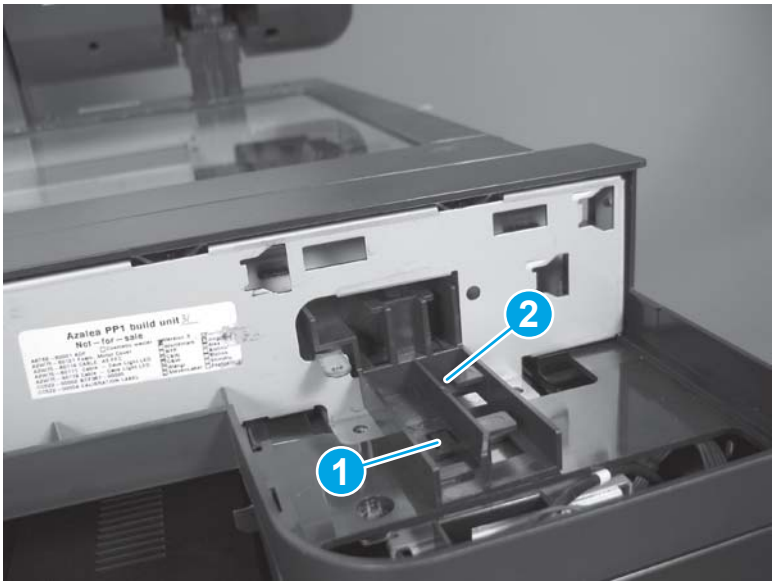
Remove the scanner front cover (M880)

1. Raise the document feeder to the open position.

   Figure 1-120 Remove the scanner front cover (M880; 1 of 8)

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

Figure 1-121 Remove the scanner front cover (M880; 2 of 8)



3. Remove two screws.

Figure 1-122 Remove the scanner front cover (M880; 3 of 8)

4. Remove one screw.

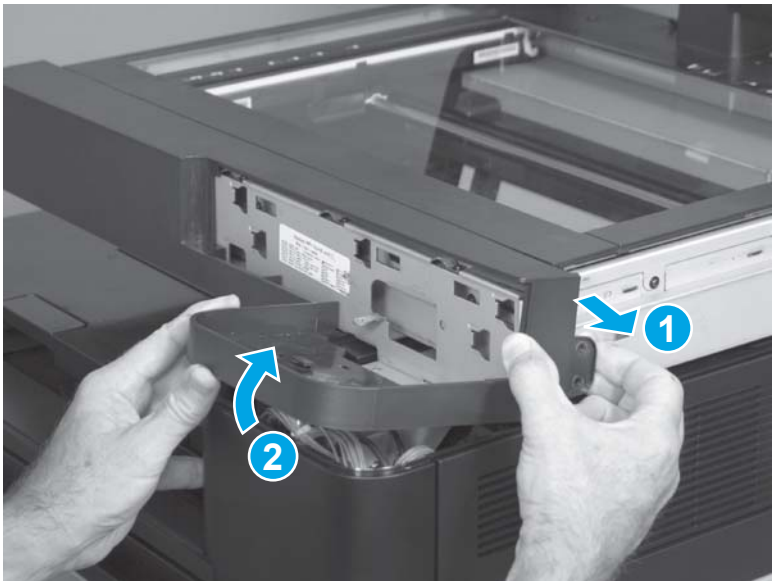
Figure 1-123 Remove the scanner front cover (M880; 4 of 8)

5. Remove two screws.

Figure 1-124 Remove the scanner front cover (M880; 5 of 8)

6. Carefully flex the corner of the cover away from the scanner (callout 1), and then slightly rotate the bottom of the cover up and off of the scanner (callout 2).

Figure 1-125 Remove the scanner front cover (M880; 6 of 8)



7. Carefully flex the corner of the cover away from the scanner (callout 1), and then rotate the bottom of the cover up (callout 2).

Figure 1-126 Remove the scanner front cover (M880; 7 of 8)

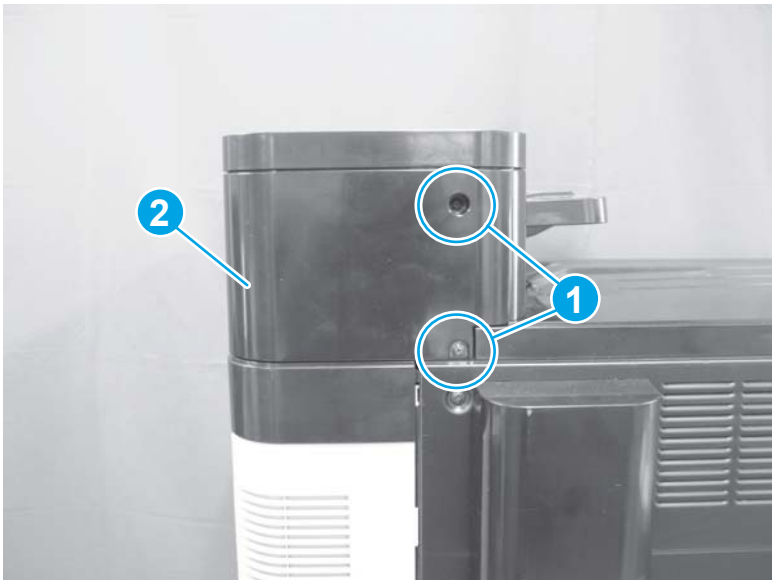
8. Continue to rotate the cover up and away from the product to remove it.

Figure 1-127 Remove the scanner front cover (M880; 8 of 8)

Right upper rear cover (M855)

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

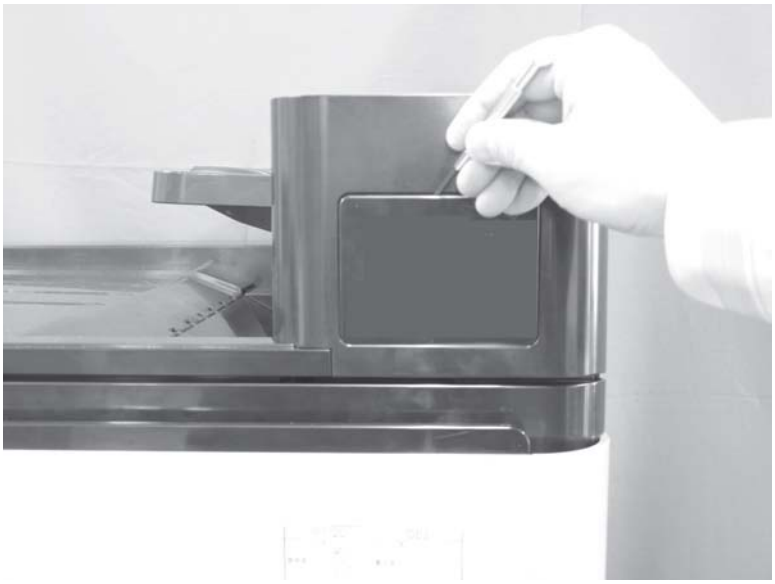
Figure 1-128 Remove the right upper rear cover (M855)



Hardware integration pocket (HIP) cover (M855)

Use a small flat blade screwdriver to carefully release the cover, and then remove it.

Figure 1-129 Remove the hardware integration pocket (HIP) cover (M855)



Hardware integration pocket (HIP) cover (M880)

1. Note the location of four tabs under the HIP cover.

Figure 1-130 Remove the HIP cover (M880; 1 of 3)

2. Release two tabs on the side of the HIP cover toward the control panel screen.

Figure 1-131 Remove the HIP cover (M880; 2 of 3)

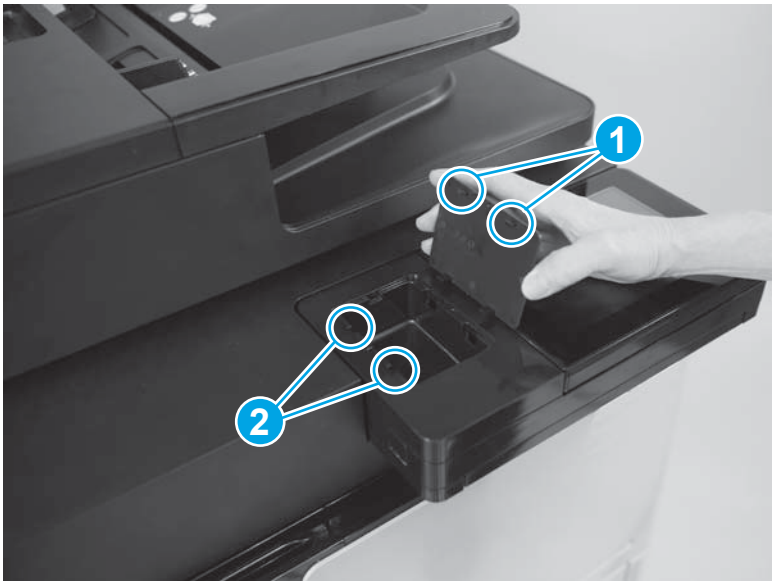
3. Remove the HIP cover.

Figure 1-132 Remove the HIP cover (M880; 3 of 3)

Reinstall the HIP cover (M880)

1. Align the tabs (callout 1) on the cover with the slots in the product (callout 2).

Figure 1-133 Reinstall the HIP cover (M880; 1 of 2)



2. Lower the HIP cover until it snaps into place.

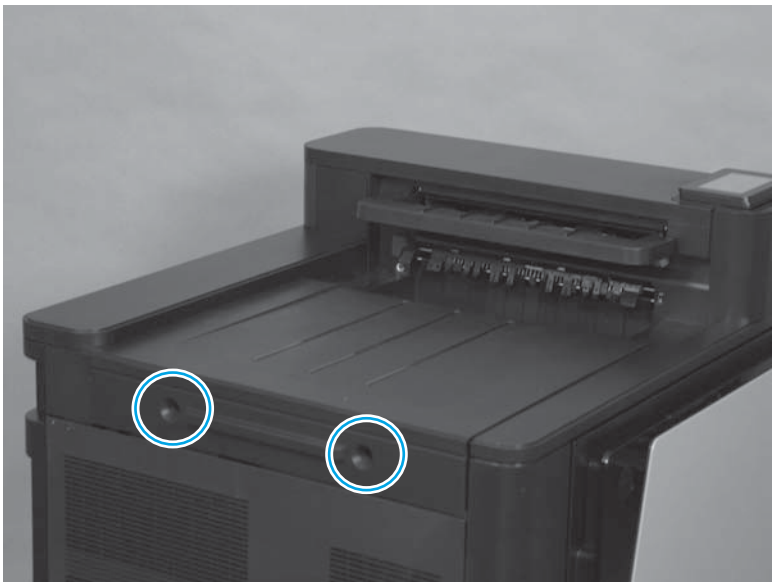
Figure 1-134 Reinstall the HIP cover (M880; 2 of 2)

Face-down bin

NOTE: The M855 is pictured in the figures below. The same face-down bin part is used on the M855 and the M880. On the M880, the face-down bin is located in the cavity under the scanner assembly.

1. Remove two screws.

Figure 1-135 Remove the face-down bin (1 of 2)



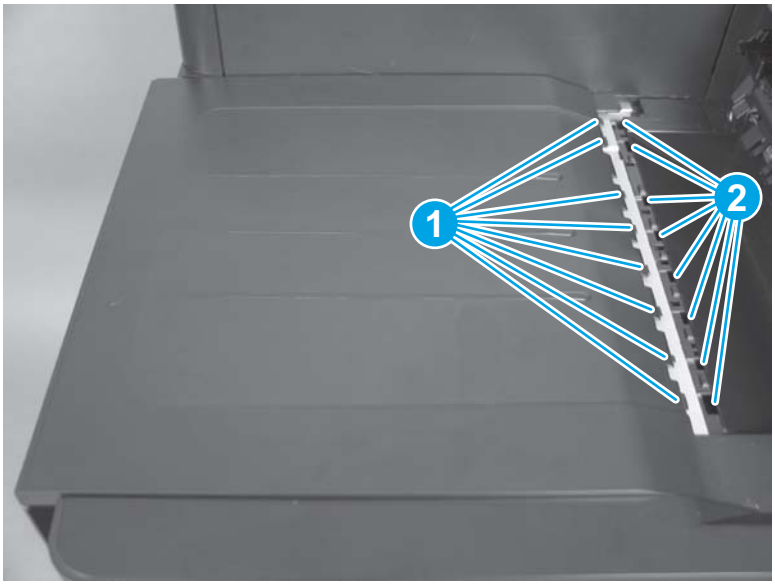
2. Lift up, and then remove the face-down bin.

Figure 1-136 Remove the face-down bin (2 of 2)

Reinstall the face-down bin

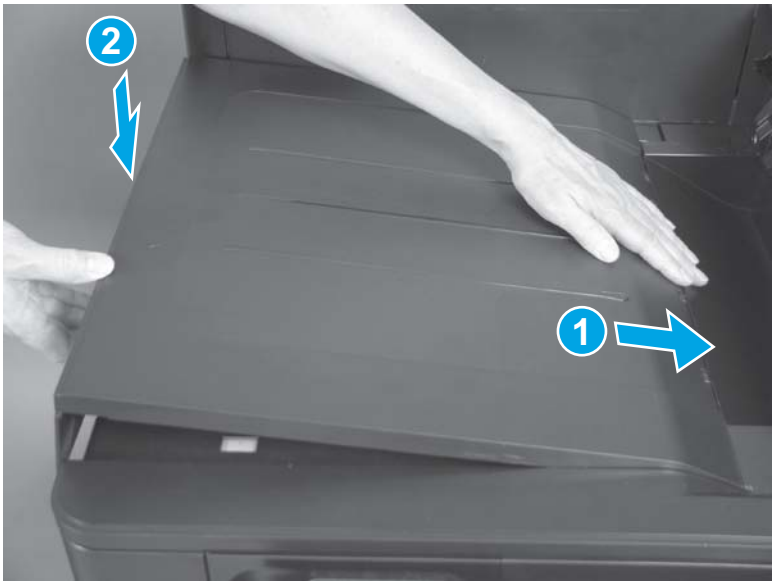
1. Make sure that the tabs (callout 1) on the bin are aligned with the slots (callout 2) in the product.

Figure 1-137 Reinstall the face-down bin (1 of 2)



2. Press downward and toward the right door (callout 1) to fully seat the tabs, and then lower the bin into position (callout 2).

Figure 1-138 Remove the face-down bin (2 of 2)



3. Check to make sure that the cover is installed correctly and that no tabs are visible.

IMPORTANT: Incorrect installation might cause paper jams.

NOTE: The scanner assembly on the M880 obscures the view of this portion of the face-down bin. Slide your fingers across the edge between the face-down bin and the product to make sure that all the tabs are seated properly.

Figure 1-139 Correct installation of face-down bin.

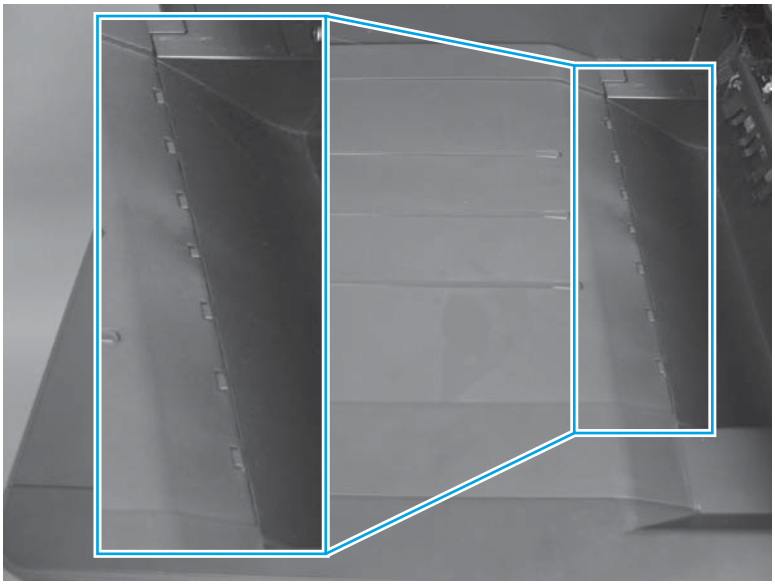
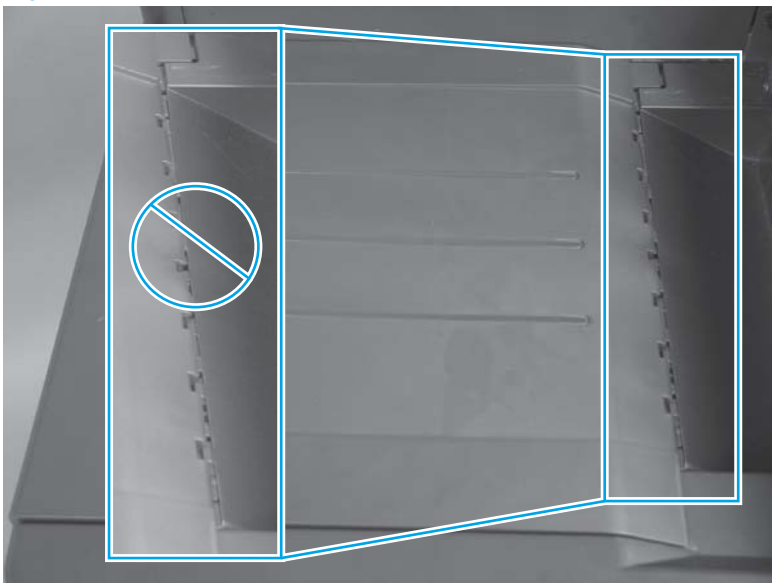


Figure 1-140 Incorrect installation of face-down bin.



Left rear cover

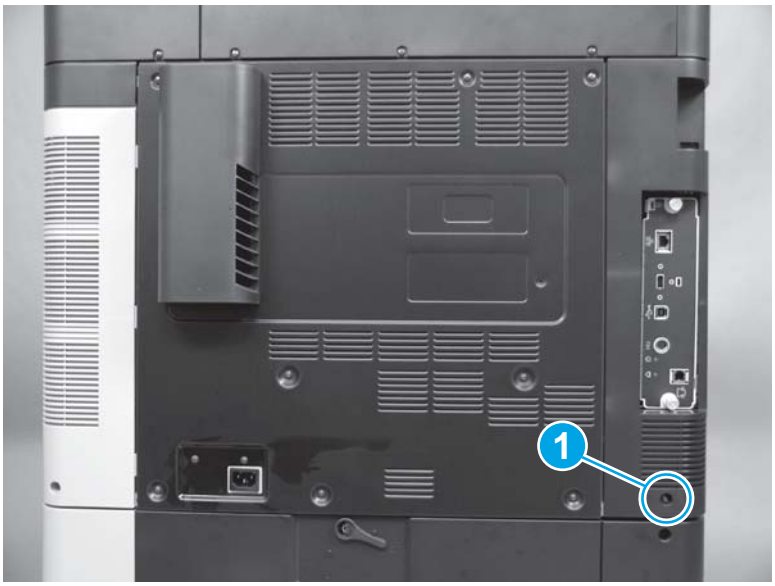
Before proceeding, remove the following assemblies:

- Intermediate paper transport unit (IPTU), if it is installed. See IPTU assembly on page 437.

Remove the left rear cover

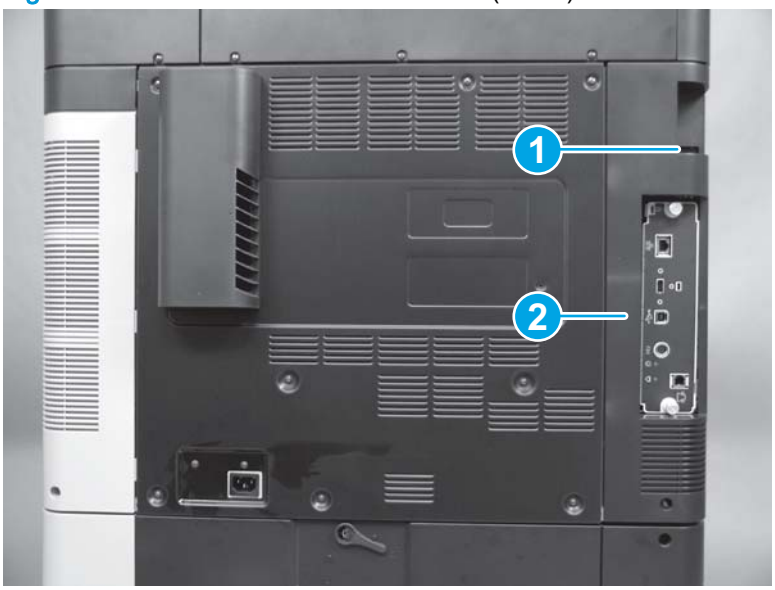
1. Remove one screw (callout 1).

Figure 1-141 Remove the left rear cover (1 of 2)



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

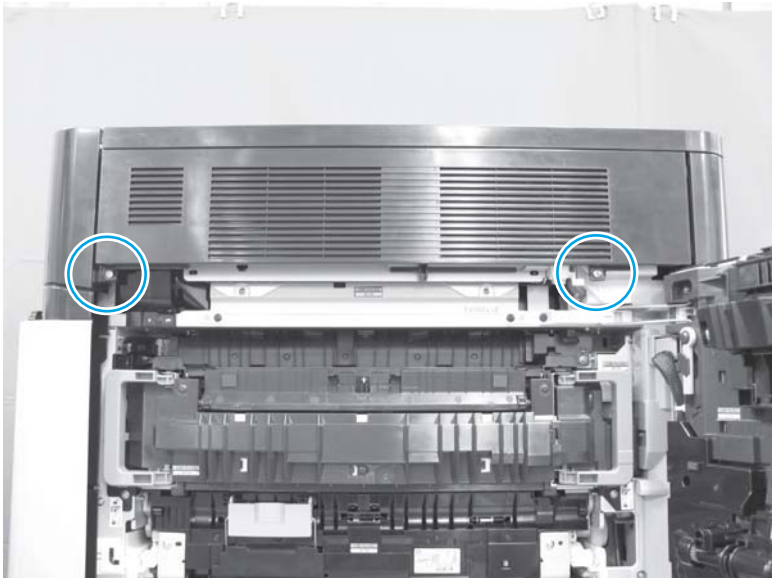
Figure 1-142 Remove the left rear cover (2 of 2)



Switch back cover

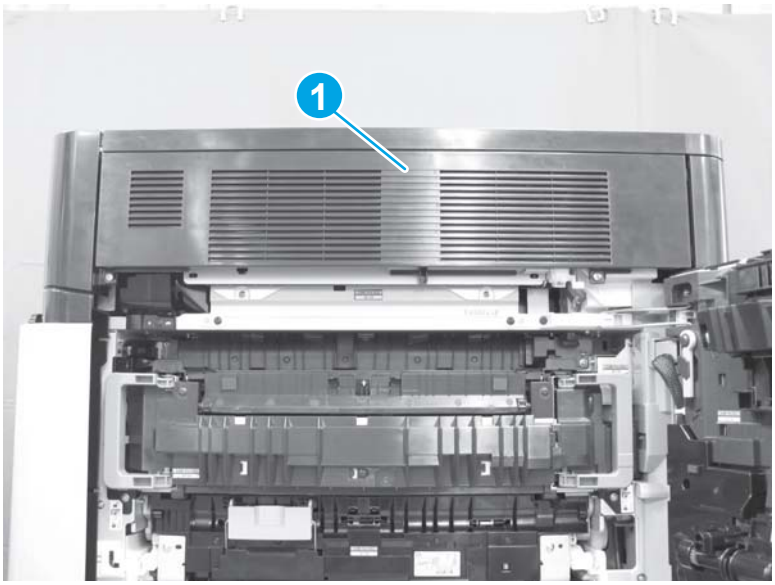
1. Open the right door, and then remove two screws.

Figure 1-143 Remove the switch back cover (1 of 2)



2. Remove the cover (callout 1).

Figure 1-144 Remove the switch back cover (2 of 2)



Lower right cover

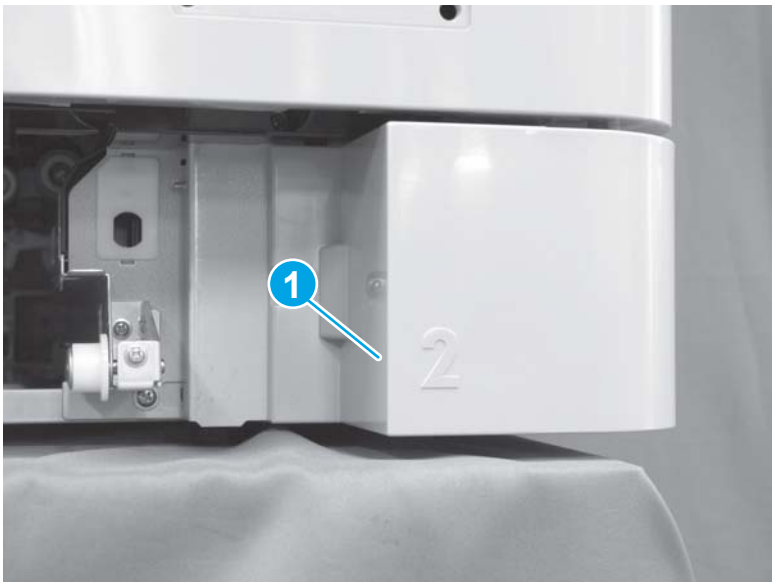
NOTE: If the Tray 2 is not already removed for servicing, remove it now.

1. Remove one screw.

Figure 1-145 Remove the lower right cover (1 of 2)

2. Remove the cover (callout 1).

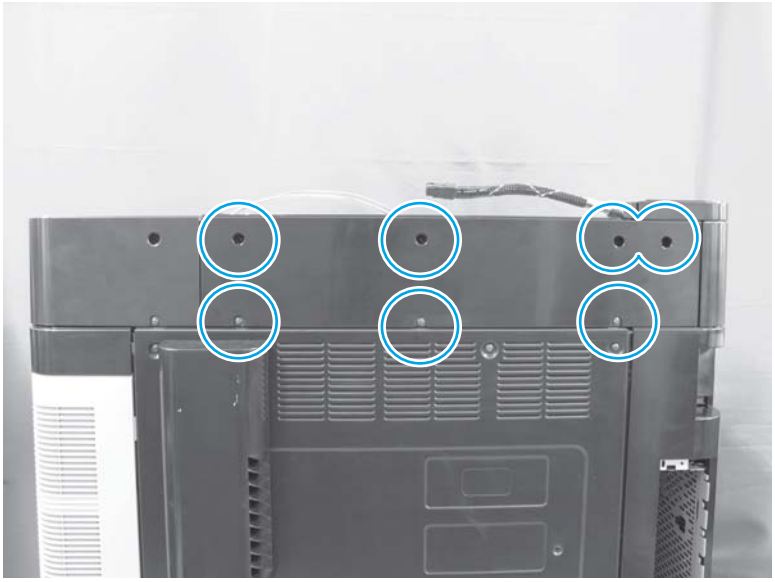
Figure 1-146 Remove the lower right cover (2 of 2)



Rear upper rear cover (M880)

1. Remove seven screws.

Figure 1-147 Remove the rear upper rear cover (M880; 1 of 2)



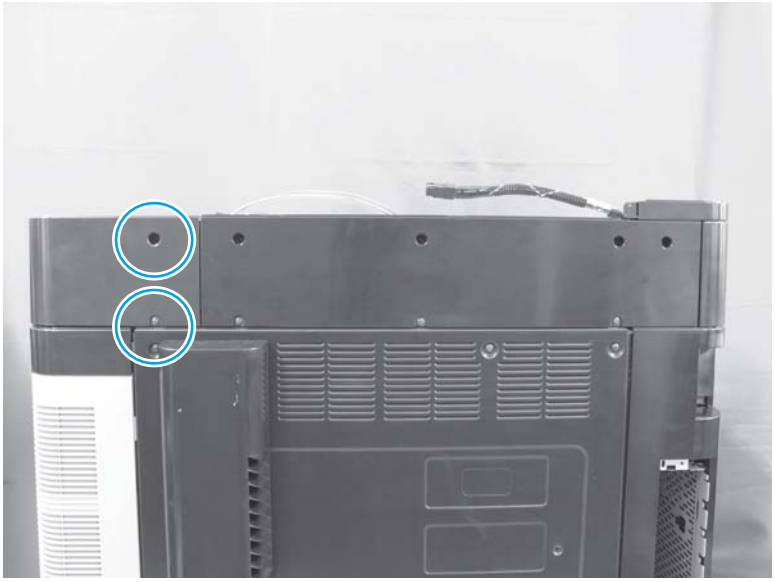
2. Remove the cover (callout 1).

Figure 1-148 Remove the rear upper rear cover (M880; 2 of 2)

Right upper rear cover (M880)

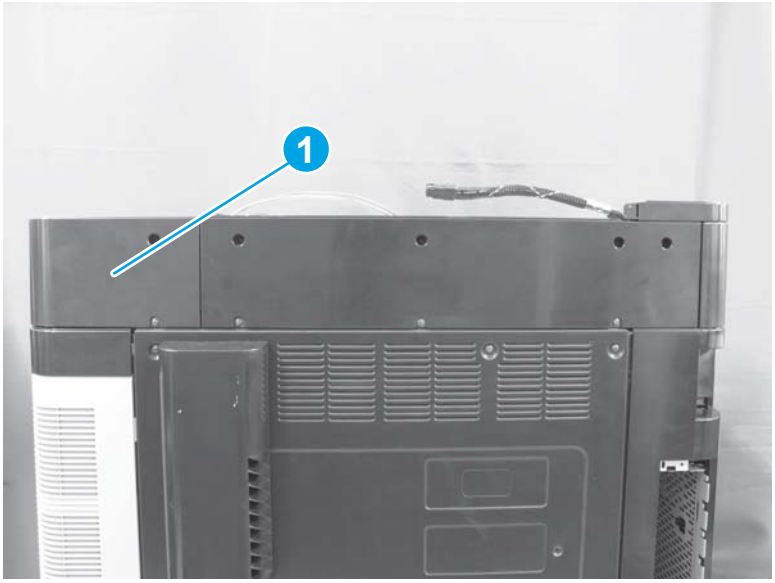
1. Remove two screws.

Figure 1-149 Remove the right upper rear cover (M880; 1 of 2)



2. Remove the cover (callout 1).

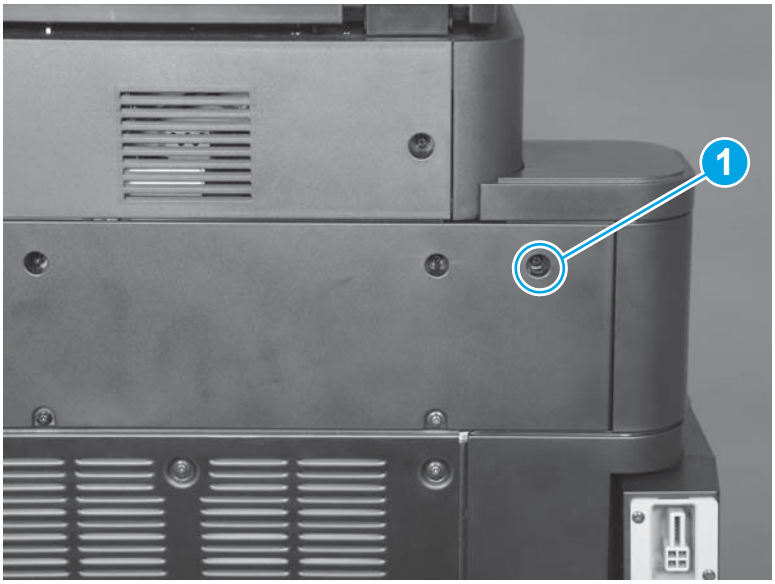
Figure 1-150 Remove the right upper rear cover (M880; 2 of 2)



Rear upper MFP cover (M880)

1. Remove one screw (callout 1).

Figure 1-151 Remove the rear upper MFP cover (M880; 1 of 2)



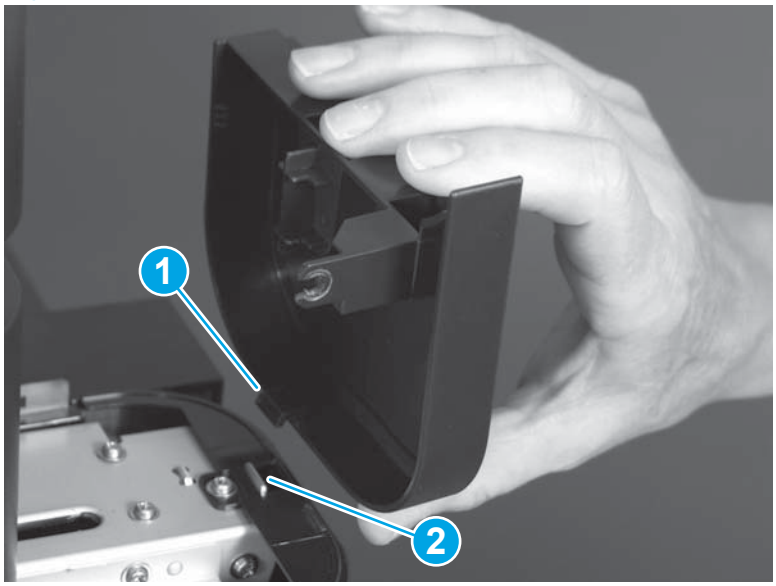
2. Remove the cover.

Figure 1-152 Remove the rear upper MFP cover (M880; 2 of 2)

Reinstall the rear upper MFP cover (M880)

Install the tab (callout 1) on the cover into the slot (callout 2) on the product, and then lower the cover into place.

Figure 1-153 Reinstall the rear upper MFP cover (M880)



Left upper rear cover and rear upper B cover (M880)

Before proceeding, remove the following assemblies:

- Remove one of the following, depending upon product configuration:
  - Face-down bin. See Face-down bin on page 101.
  - Intermediate paper transport unit (IPTU). See IPTU assembly on page 437.
- Rear upper MFP cover (M880). See Rear upper MFP cover (M880) on page 109.

NOTE: The figures below show the document feeder and scanner removed for clarity. It is not necessary to remove these parts before removing the left upper rear cover and rear upper B cover.

Remove the left upper rear cover and rear upper B cover (M880)

1. Remove one screw.

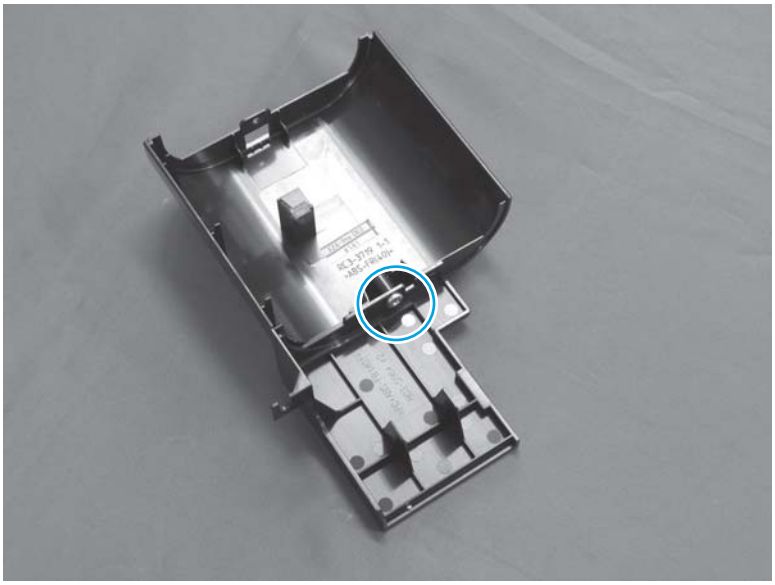
Figure 1-154 Remove the left upper rear cover and rear upper B cover (M880; 1 of 3)

2. Remove the cover (callout 1).

Figure 1-155 Remove the left upper rear cover and rear upper B cover (M880; 2 of 3)

3. Remove one screw, and then separate the rear upper B cover from the left upper rear cover.

Figure 1-156 Remove the left upper rear cover and rear upper B cover (M880; 3 of 3)



Rear upper front cover (M880)

Before proceeding, remove the following assemblies:

- Remove one of the following, depending upon product configuration:
  - Face-down bin. See Face-down bin on page 101.
  - Intermediate paper transport unit (IPTU). See IPTU assembly on page 437.
- Rear upper MFP cover (M880). See Rear upper MFP cover (M880) on page 109.
- Left upper rear cover (M880). See Left upper rear cover and rear upper B cover (M880) on page 111.
- Document feeder (M880). See Document feeder assembly (M880) on page 154.
- Scanner assembly (M880). See Scanner assembly (M880) on page 162.

Remove the rear upper front cover (M880)

1. Release one tab.

Figure 1-157 Remove the rear upper front cover (M880; 1 of 2)

2. Slide the cover away from the product to remove it.

Figure 1-158 Remove the rear upper front cover (M880; 2 of 2)

Front top cover

Before proceeding, remove the following assemblies:

- Remove one of the following, depending upon product configuration:
  - Face-down bin. See Face-down bin on page 101.
  - Intermediate paper transport unit (IPTU). See IPTU assembly on page 437.

Remove the front top cover

1. Remove one screw (callout 1).

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

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

Figure 1-160 Remove the front top cover (2 of 2)

Rear top cover (M855)

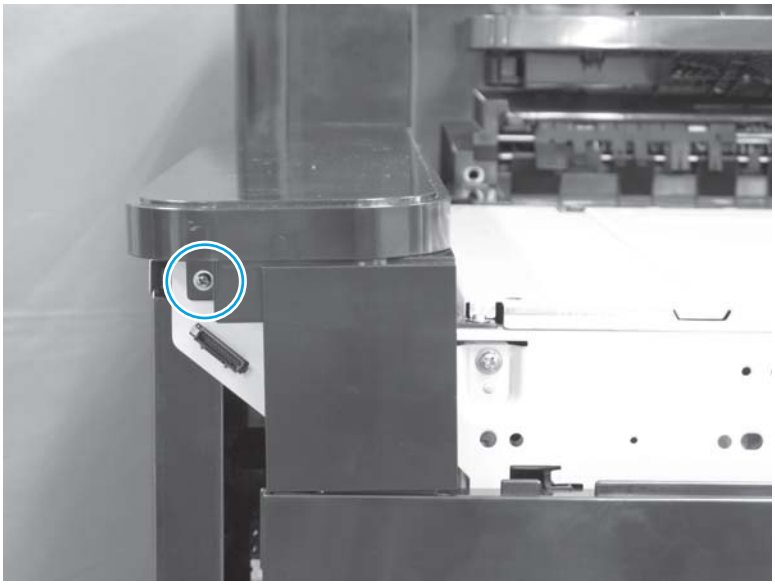
Before proceeding, remove the following assemblies:

- Remove one of the following, depending upon product configuration:
  - Face-down bin. See Face-down bin on page 101.
  - Intermediate paper transport unit (IPTU). See IPTU assembly on page 437.
- Left rear cover. See Left rear cover on page 104.

Remove the rear top cover (M855)

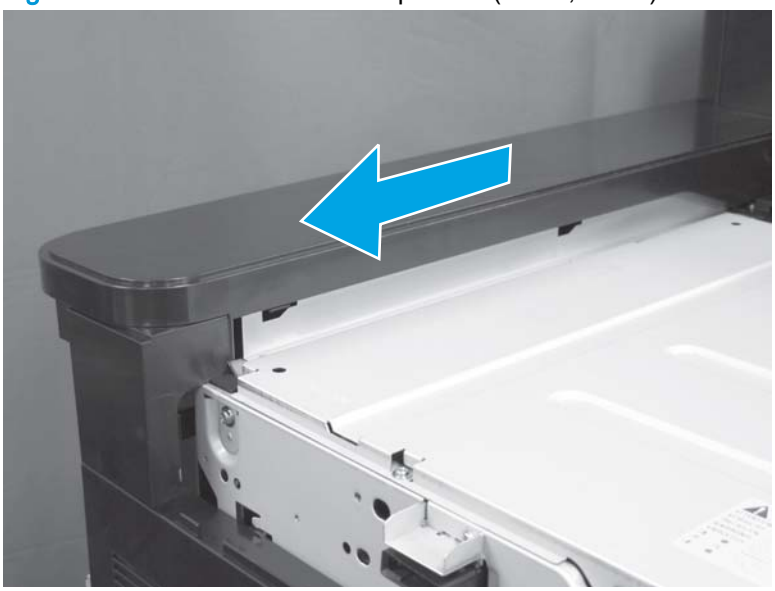
1. Remove one screw.

Figure 1-161 Remove the rear top cover (M855; 1 of 3)



2. Slide the cover away from the product to remove it.

Figure 1-162 Remove the rear top cover (M855; 2 of 3)



3. **Optional step**: If necessary, remove one screw, and then separate the cover assembly.

Figure 1-163 Remove the rear top cover (M855; 3 of 3)

Left cover

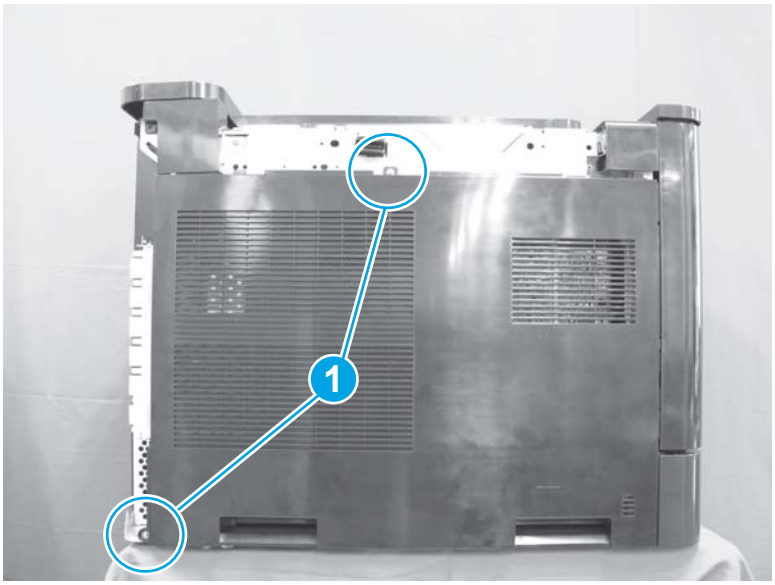
Before proceeding, remove the following assemblies:

- Remove one of the following, depending upon product configuration:
  - Face-down bin. See Face-down bin on page 101.
  - Intermediate paper transport unit (IPTU). See IPTU assembly on page 437.
- Left rear cover. See Left rear cover on page 104.

Remove the left cover

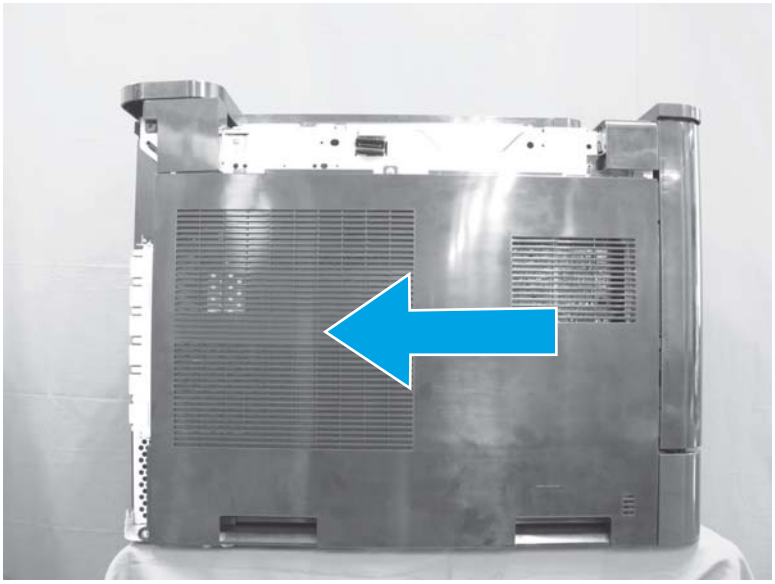
1. Remove two screws (callout 1).

Figure 1-164 Remove the left cover (1 of 2)



2. Slide the cover away from the product to remove it.

Figure 1-165 Remove the left cover (2 of 2)



Right upper front cover (M855)

Before proceeding, remove the following assemblies:

- Remove one of the following, depending upon product configuration:
  - Face-down bin. See Face-down bin on page 101.
  - Intermediate paper transport unit (IPTU). See IPTU assembly on page 437.
- Hardware integration pocket (HIP) cover (M855). See Hardware integration pocket (HIP) cover (M855) on page 97.
- Control panel (M855). See Control panel assembly (M855) on page 47
- Front top cover. See Front top cover on page 115.

Remove the right upper front cover (M855)

1. Remove one screw.

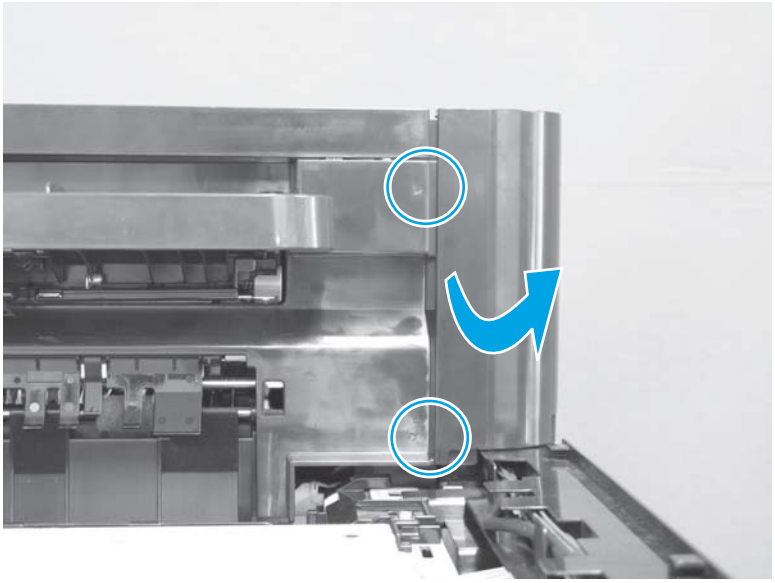
Figure 1-166 Remove the right upper front cover (M855; 1 of 2)

2. Release two tabs, and then rotate the cover away from the product to remove it.

NOTE: Do not remove the USB cable from the cover. Release the cable from the product, and then remove it with the cover.

TIP: Use the arrows embossed on the product to locate the tabs.

Figure 1-167 Remove the right upper front cover (M855; 2 of 2)



Right upper front cover (M880)

Before proceeding, remove the following assemblies:

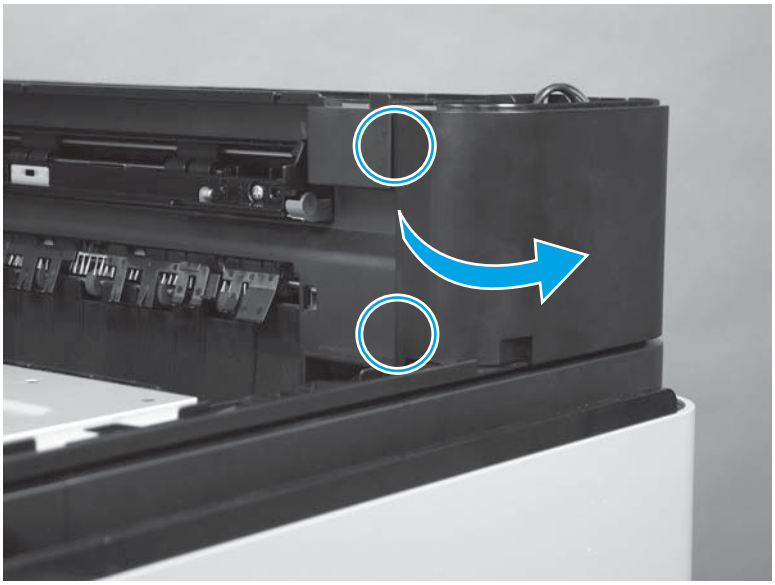
- Remove one of the following, depending upon product configuration:
  - Face-down bin. See Face-down bin on page 101.
  - Intermediate paper transport unit (IPTU). See IPTU assembly on page 437.
- Document feeder (M880). See Document feeder assembly (M880) on page 154.
- Scanner assembly (M880). See Scanner assembly (M880) on page 162
- Front top cover. See Front top cover on page 115.

Remove the right upper front cover (M880)

1. Release two tabs, and then rotate the cover away from the product.

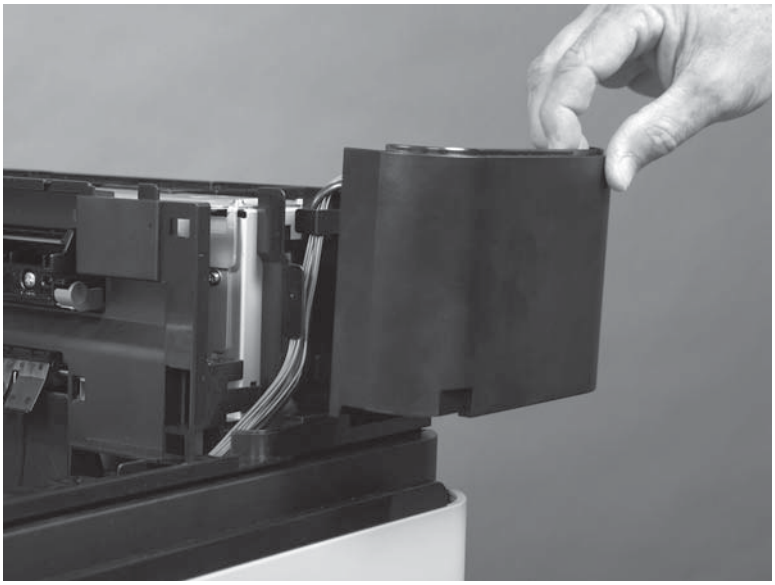
TIP: Use the arrows embossed on the product to locate the tabs.

Figure 1-168 Remove the right upper front cover (M880; 1 of 2)



2. Remove the cover.

Figure 1-169 Remove the right upper front cover (M880; 2 of 2)



Right upper cover (M855)

Before proceeding, remove the following assemblies:

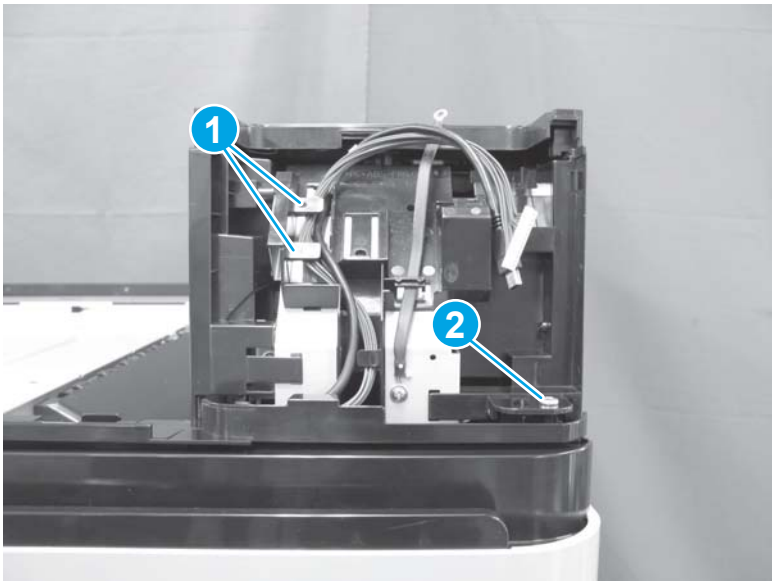
- Optional: Switch back tray. See Switch back tray on page 22.
- Control panel (M855). See Control panel assembly (M855) on page 47
- Right upper rear cover (M855). See Right upper rear cover (M855) on page 96.
- Remove one of the following, depending upon product configuration:
  - Face-down bin. See Face-down bin on page 101.
  - Intermediate paper transport unit (IPTU). See IPTU assembly on page 437.
- Switch back cover. See Switch back cover on page 105.
- Front top cover. See Front top cover on page 115.
- Rear top cover. See Rear top cover (M855) on page 116.
- Right upper front cover (M855). See Right upper front cover (M855) on page 120.

Remove the right upper cover (M855)

1. Release the wire harnesses from the guide (callout 1), and then remove one screw (callout 2).

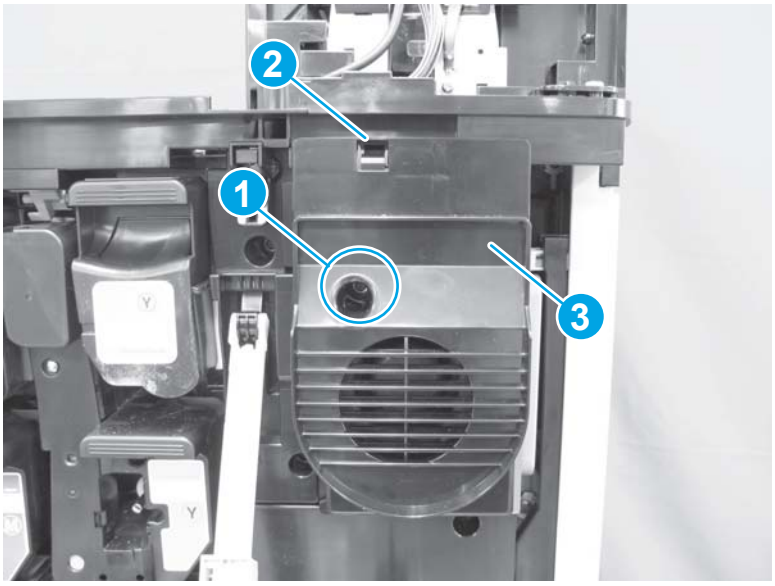
NOTE: Release the control panel cables from the guides as needed.

Figure 1-170 Remove the right upper cover (M855; 1 of 9)



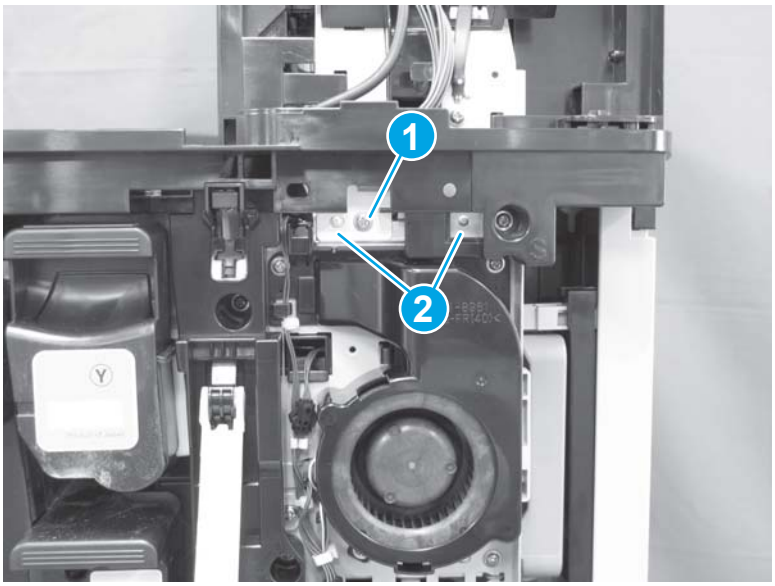
2. Open the front door, remove one screw (callout 1), release one tab (callout 2), and then remove the delivery fan cover (callout 3).

Figure 1-171 Remove the right upper cover (M855; 2 of 9)



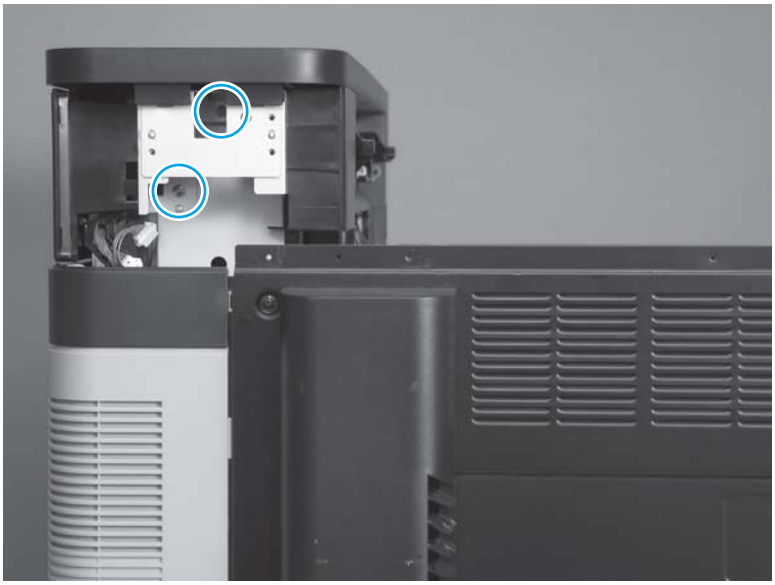
3. Remove one screw (callout 1), and then push up on the assembly to release two sheet-metal tabs (callout 2).

Figure 1-172 Remove the right upper cover (M855; 3 of 9)



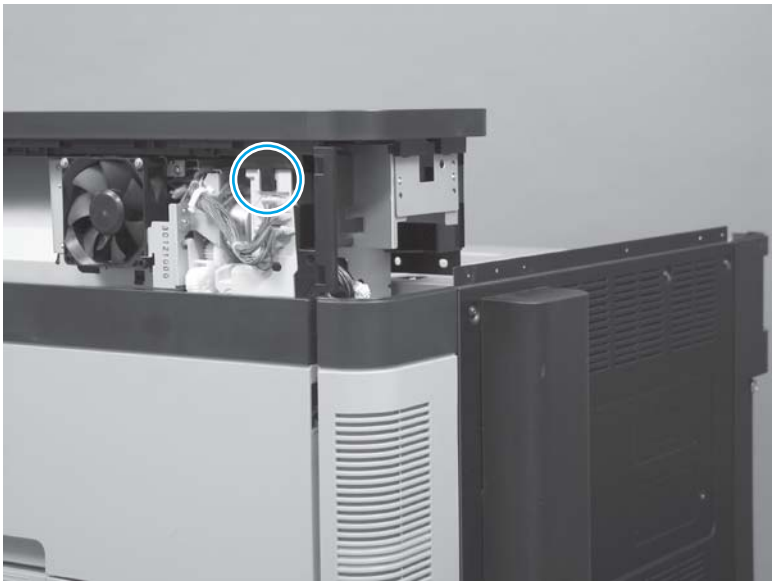
4. From the rear side of the product, remove two screws.

Figure 1-173 Remove the right upper cover (M855; 4 of 9)



5. From the right-rear side of the product, release one tab.

Figure 1-174 Remove the right upper cover (M855; 5 of 9)

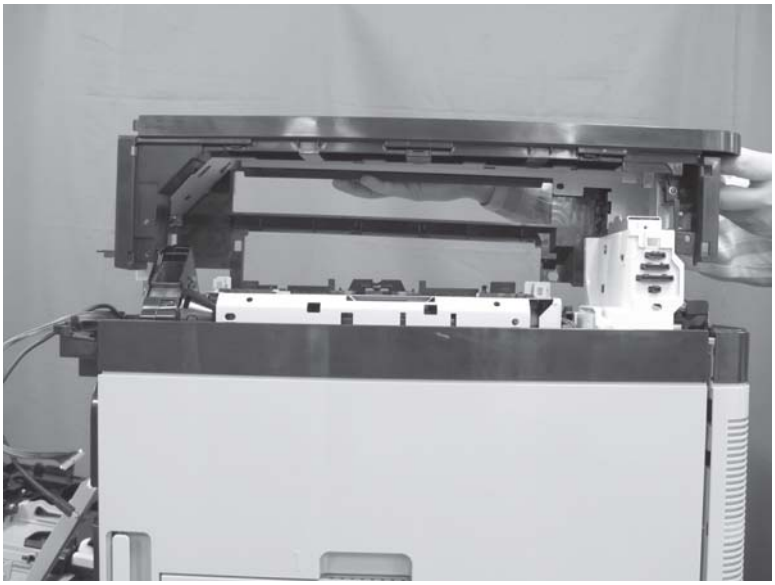


6. Carefully remove the cover assembly.

CAUTION: Release the control panel cables from the guides as needed to remove the assembly. Make sure that the control-panel cables are correctly routed and are not pinched when the assembly is reinstalled.

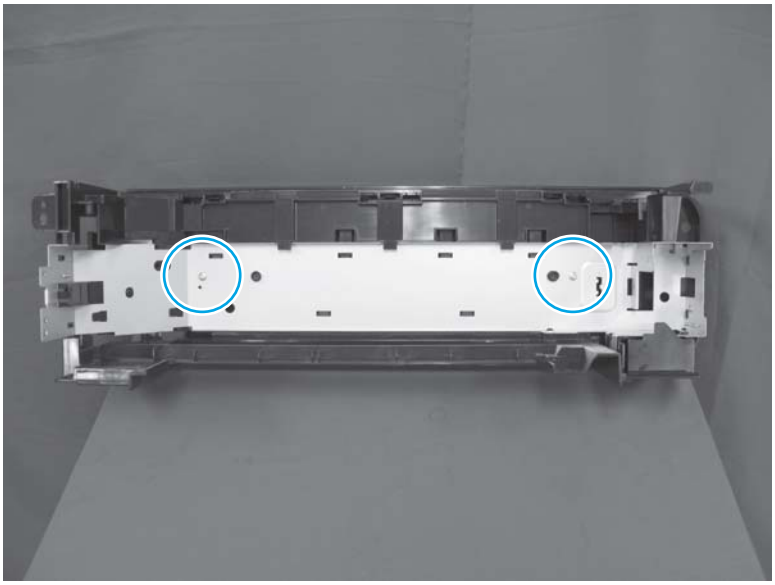
NOTE: The cover is still attached to a sheet-metal bracket.

Figure 1-175 Remove the right upper cover (M855; 6 of 9)



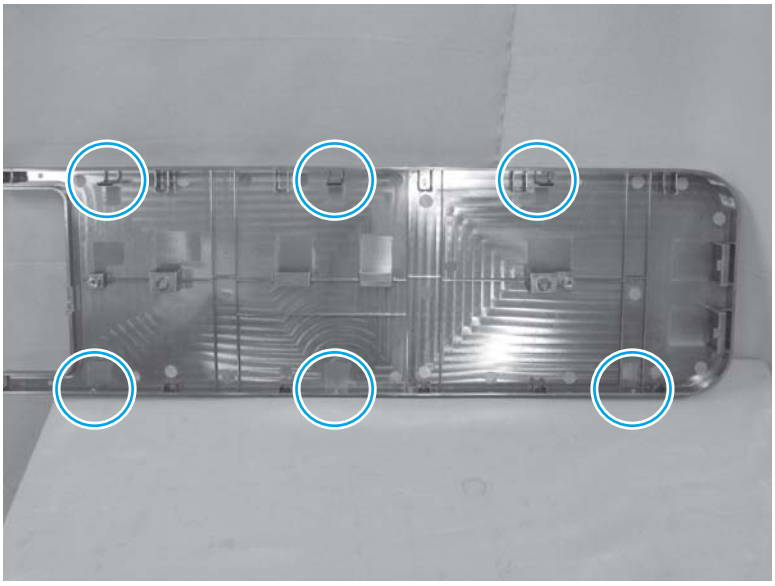
7. **Optional step**: To remove the cover from the sheet-metal bracket, remove two screws.

Figure 1-176 Remove the right upper cover (M855; 7 of 9)



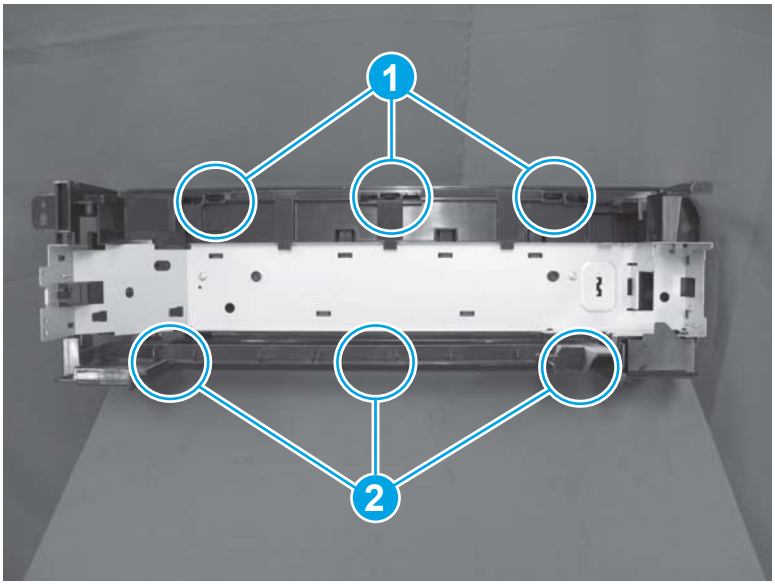
8. **Optional step**: To remove the cover from the sheet-metal bracket, before proceeding, note the location of the six tabs that secure the right upper cover to the assembly.

Figure 1-177 Remove the right upper cover (M855; 8 of 9)



9. **Optional step**: To remove the cover from the sheet-metal bracket, release three tabs (callout 1), release three additional tabs (callout 2), and then separate the cover from the assembly.

Figure 1-178 Remove the right upper cover (M855; 9 of 9)



Right door assembly

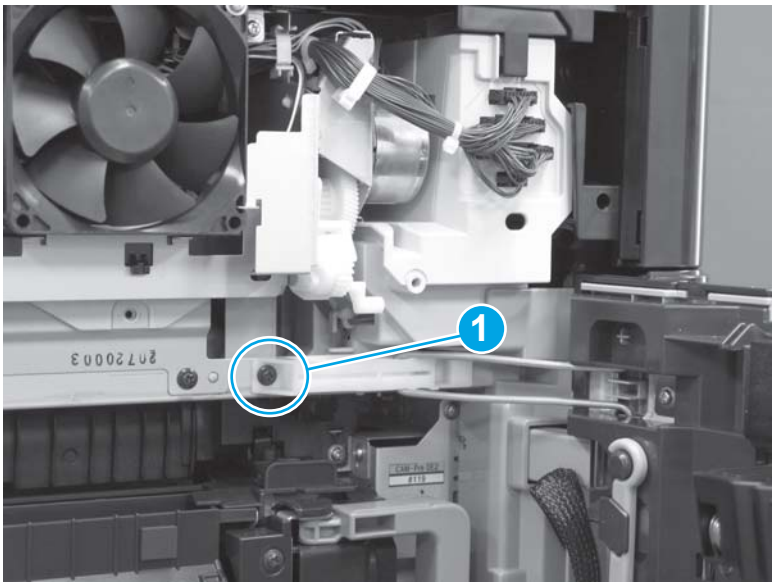
Before proceeding, remove the following assemblies:

- Switch back cover. See Switch back cover on page 105.

Remove the right door assembly

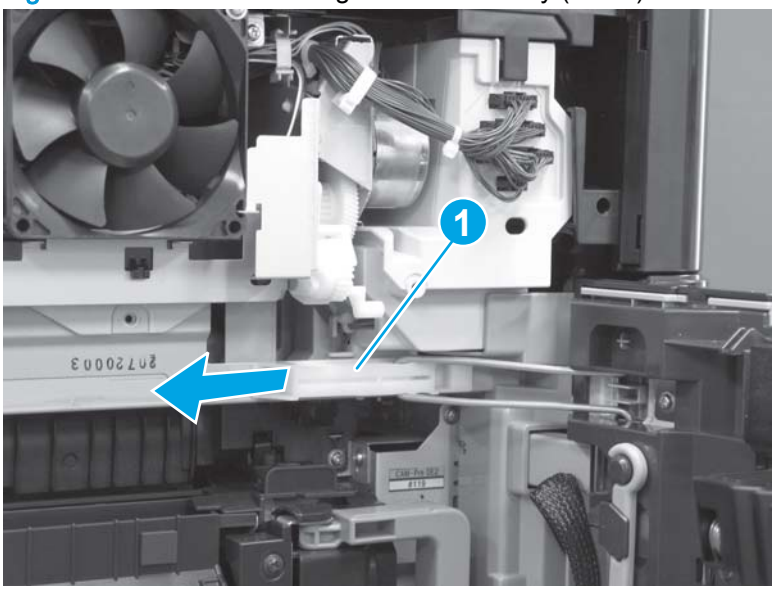
1. Open the right door, and then remove one screw (callout 1).

Figure 1-179 Remove the right door assembly (1 of 7)



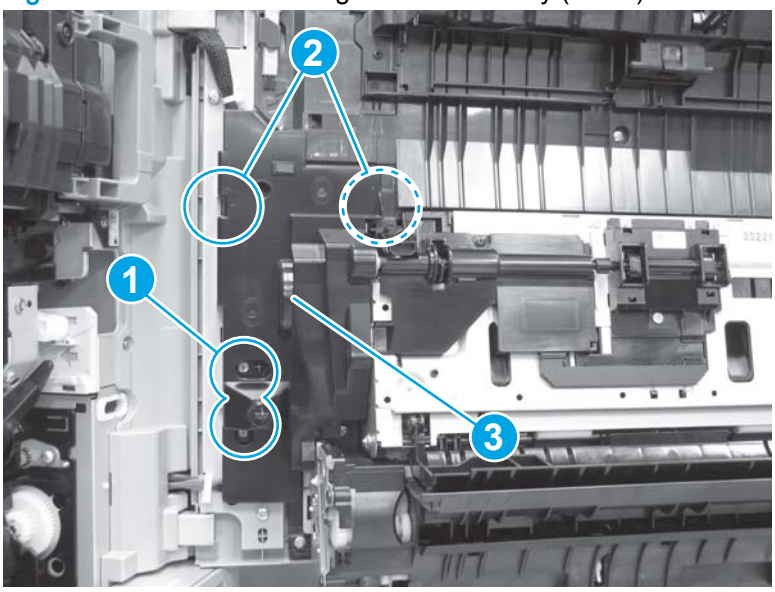
2. Slide the retainer arm and guide (callout 1) to the left to disengage it from the product.

Figure 1-180 Remove the right door assembly (2 of 7)



3. On the door assembly, remove two self-tapping screws (callout 1), release two tabs (callout 2), and then remove the motor cover (callout 3).

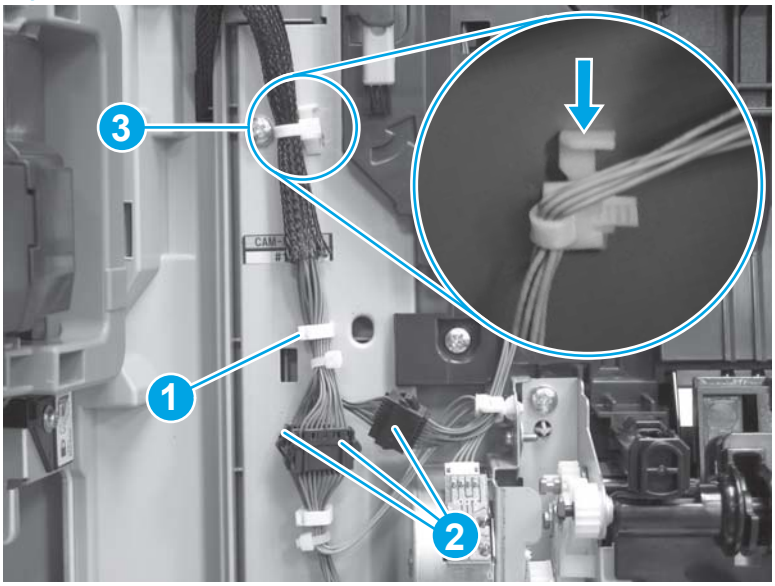
Figure 1-181 Remove the right door assembly (3 of 7)



4. Release the wire harness from the retainer (callout 1), disconnect three connectors (callout 2), and then release one wire tie (callout 3) .

TIP: To release the wire tie (callout 3), push in on the tab, and then remove the wire tie from the door.

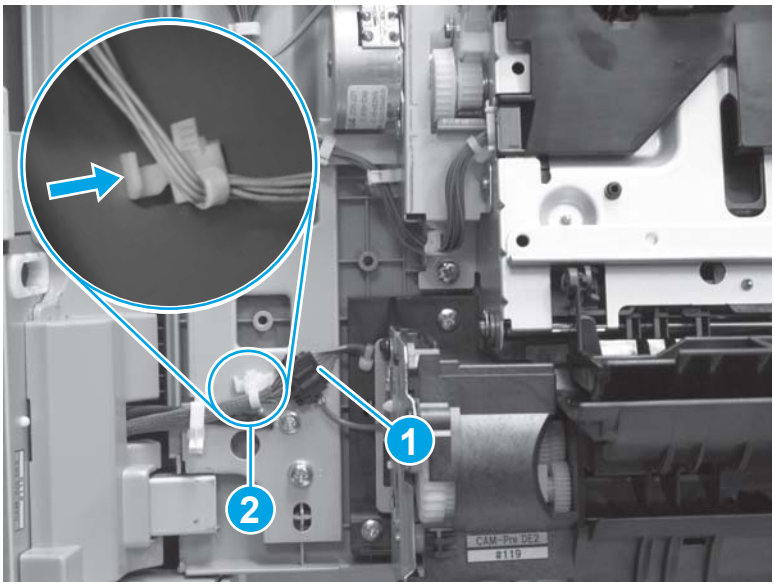
Figure 1-182 Remove the right door assembly (4 of 7)



5. Disconnect one connector (callout 1), and then release one wire tie (callout 2).

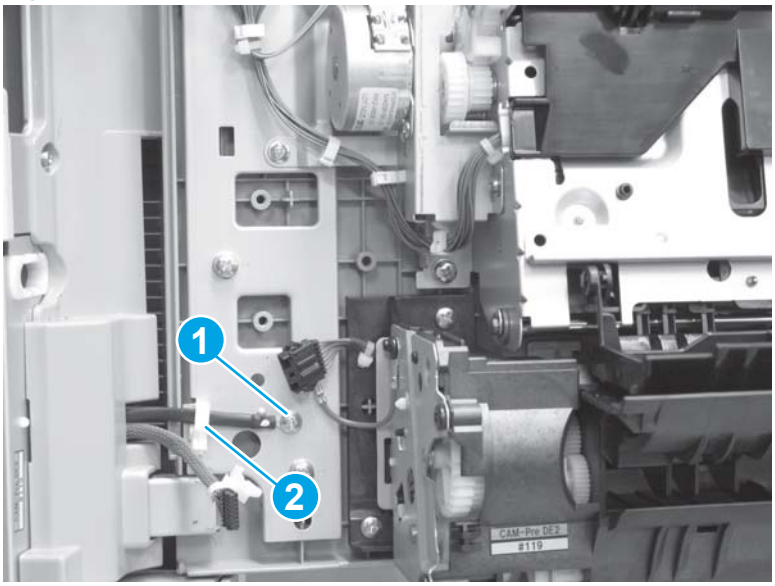
TIP: To release the wire tie (callout 2), push in on the tab, and then remove the wire tie from the door.

Figure 1-183 Remove the right door assembly (5 of 7)



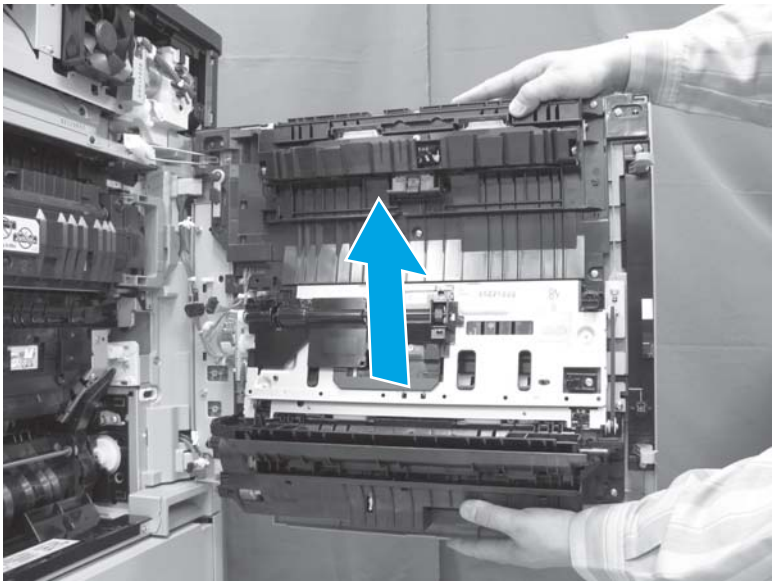
6. Remove one screw (callout 1), and then release the wire harness from the retainer (callout 2).

Figure 1-184 Remove the right door assembly (6 of 7)



7. Carefully lift up the door assembly to remove it.

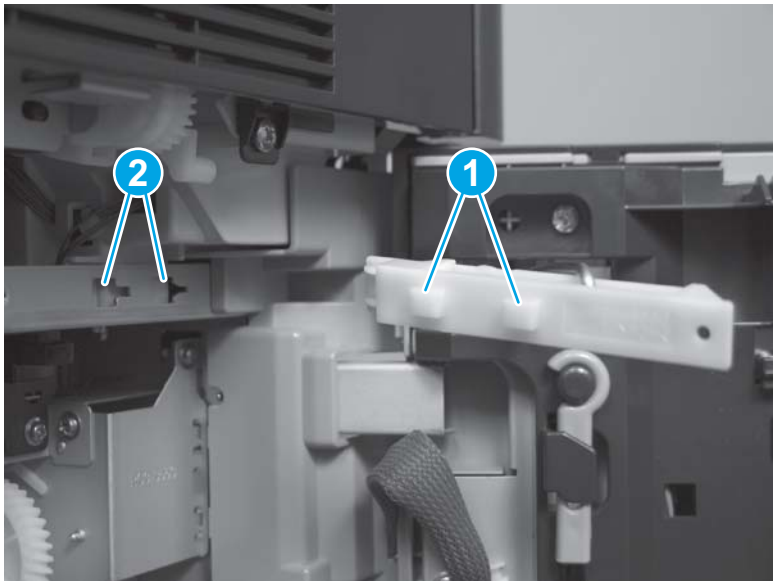
Figure 1-185 Remove the right door assembly (7 of 7)



Reinstall the right door assembly

When reinstalling the retainer arm, make sure that the tabs on the arm (callout 1) are installed in the slots in the product (callout 2).

Figure 1-186 Reinstall the right door assembly



Left front cover

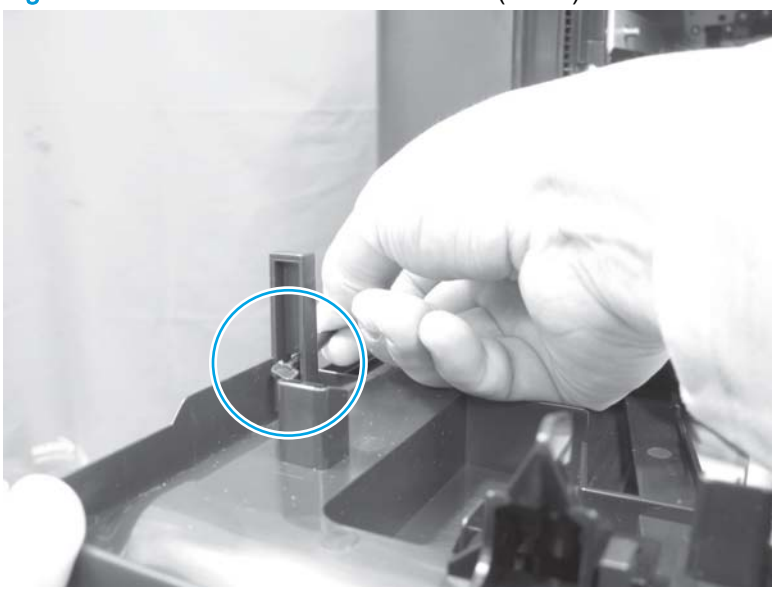
Before proceeding, remove the following assemblies:

- Remove one of the following, depending upon product configuration:
  - Face-down bin. See Face-down bin on page 101.
  - Intermediate paper transport unit (IPTU). See IPTU assembly on page 437.
- Left rear cover. See Left rear cover on page 104.
- Front top cover. See Front top cover on page 115.
- Left cover. See Left cover on page 118.

Remove the left front cover

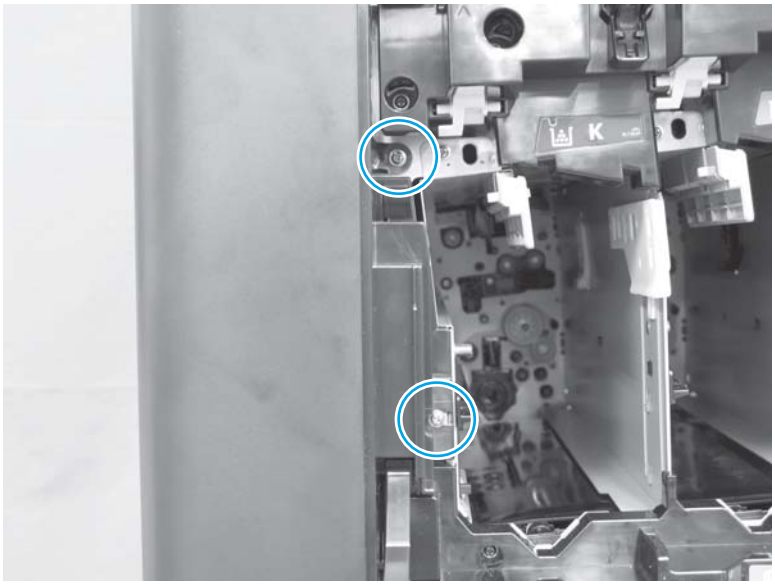
1. Open the front door
2. At the left side of the door, rotate the end of the retaining strap until it aligns with the hole in the bracket, and then push the strap through the hole to release it.

Figure 1-187 Remove the left front cover (1 of 5)



3. Remove two screws.

Figure 1-188 Remove the left front cover (2 of 5)

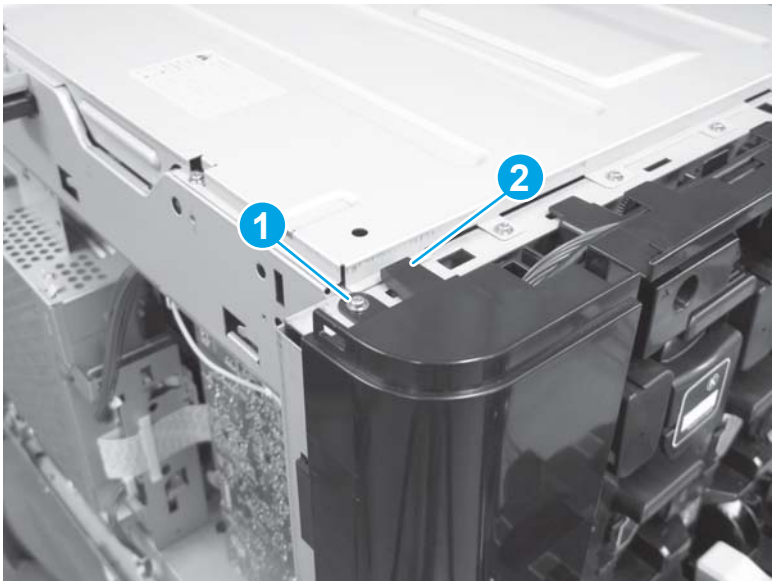


4. At the front of the product near the power switch, remove one screw.

Figure 1-189 Remove the left front cover (3 of 5)

5. At the top of the product, remove one screw (callout 1), and then release one tab (callout 2).

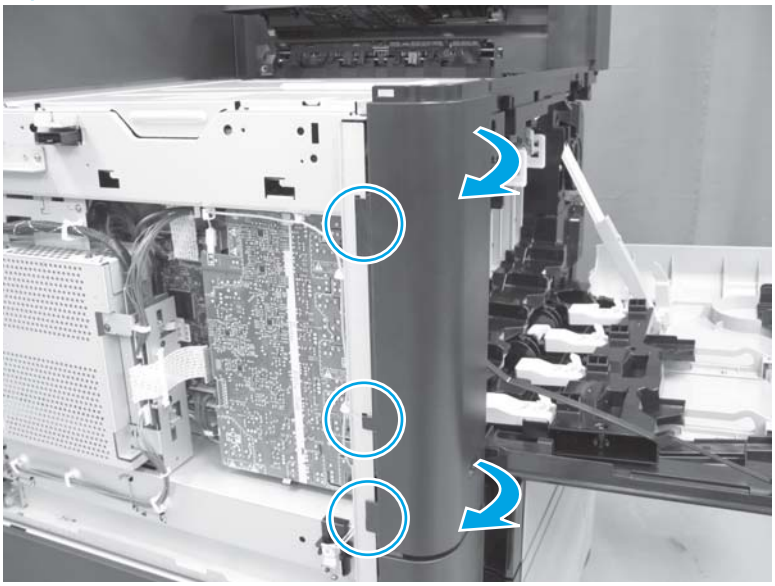
Figure 1-190 Remove the left front cover (4 of 5)



6. Rotate the edge of the cover near the front door away from the product to release three tabs, and then remove the cover.

NOTE: The front door must be open to remove the cover.

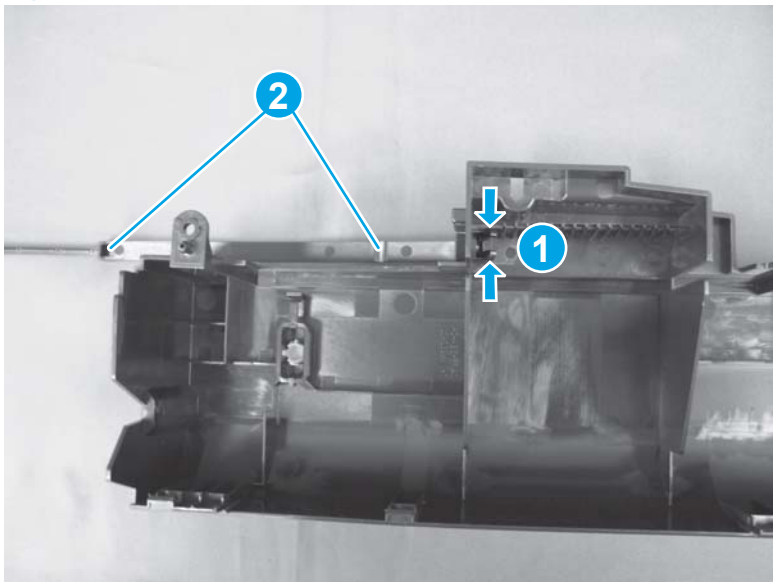
Figure 1-191 Remove the left front cover (5 of 5)



Install a replacement left front cover

If a replacement cover is installed, release two tabs on each side of the clip (callout 1), and then remove the retaining strap (callout 2) from the discarded cover and install it on the replacement cover.

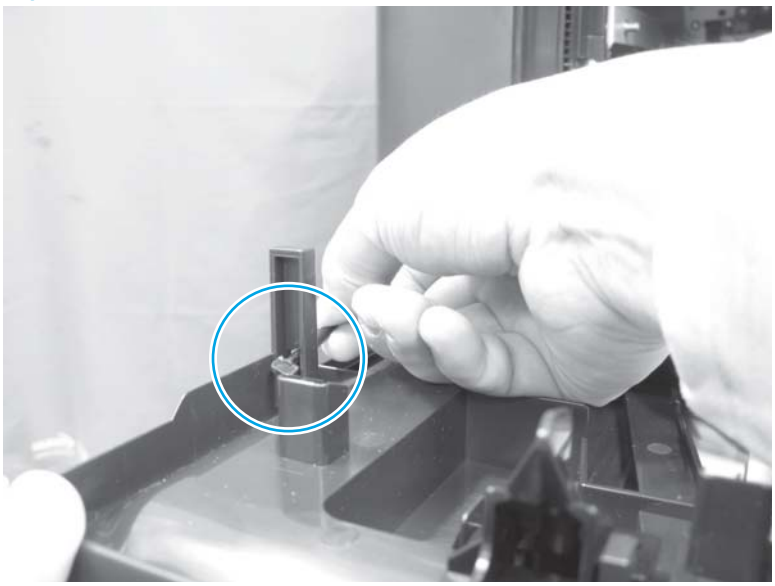
Figure 1-192 Install a replacement left front cover



Front door

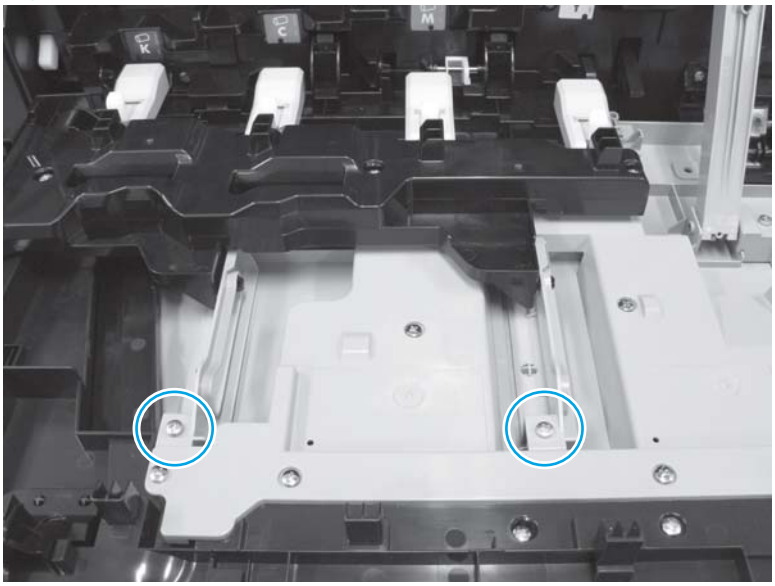
1. Open the front door
2. At the left side of the door, rotate the end of the retaining strap until it aligns with the hole in the bracket, and then push the strap through the hole to release it.

Figure 1-193 Remove the front door (1 of 9)



3. Remove two screws that fasten the two plastic rails to the door.

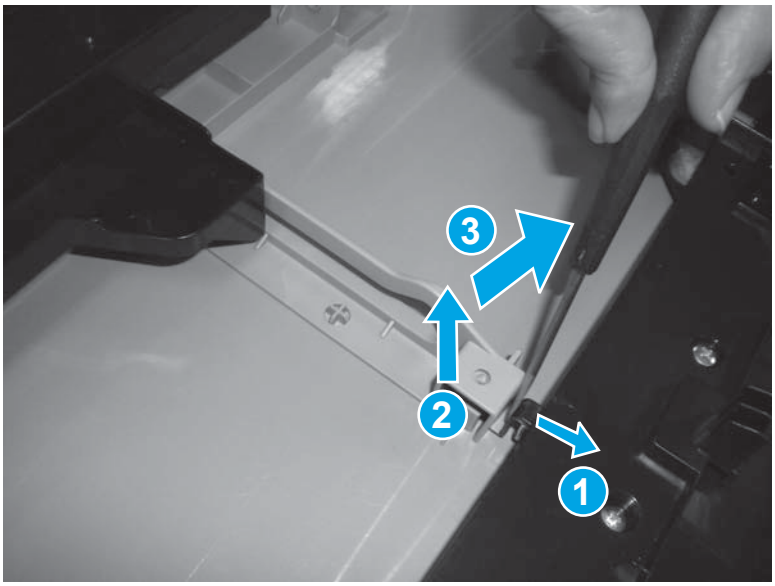
Figure 1-194 Remove the front door (2 of 9)



4. Use a small flat blade screwdriver to release a tab (callout 1), slightly raise the plastic rail (callout 2), and then slide the rail to the right (callout 3) to release and remove it.

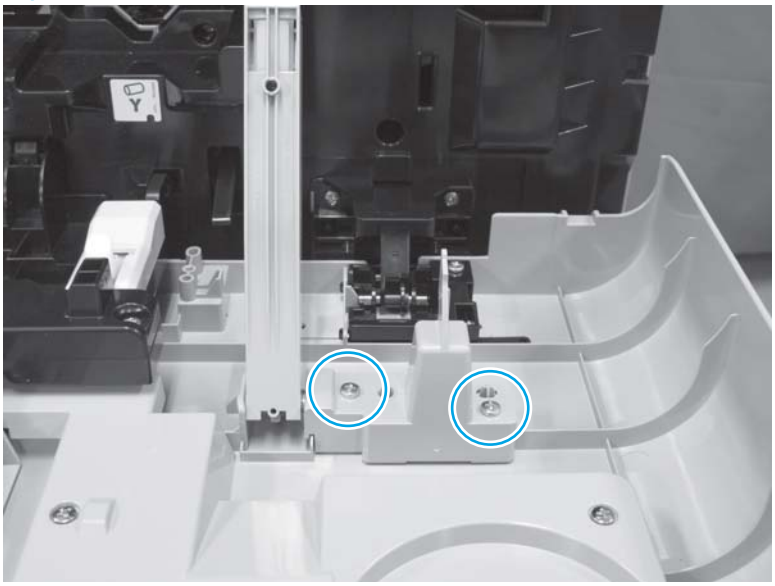
NOTE: Repeat this step for the remaining rail.

Figure 1-195 Remove the front door (3 of 9)



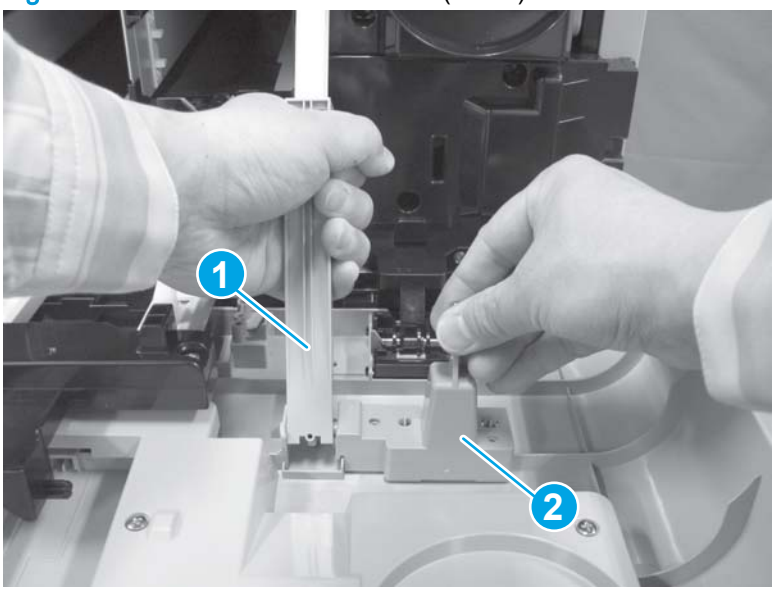
5. At the right side of the door, remove two screws.

Figure 1-196 Remove the front door (4 of 9)



6. Support the interlock-switch arm (callout 1), and then remove the switch lever (callout 2).

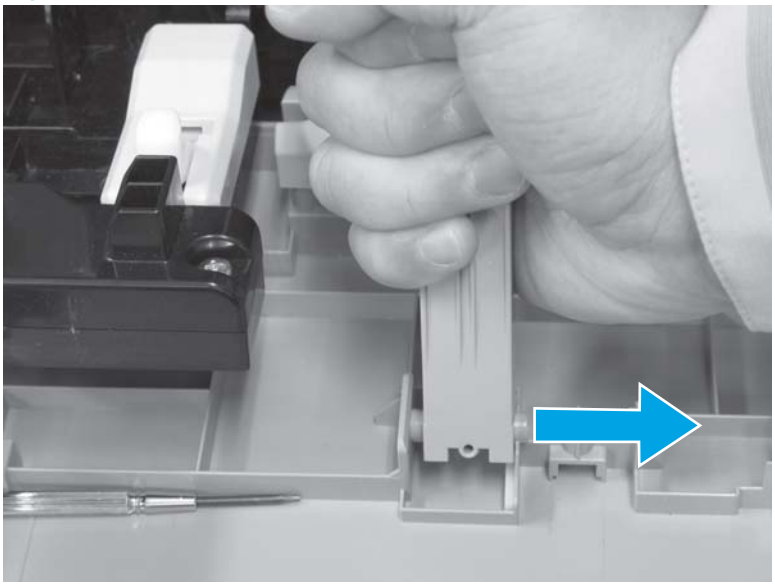
Figure 1-197 Remove the front door (5 of 9)



7. Slide the interlock-switch arm to the right to release it.

⚠ CAUTION: The interlock-switch arm is spring loaded. Firmly grasp the arm when it is removed to prevent it from retracting.

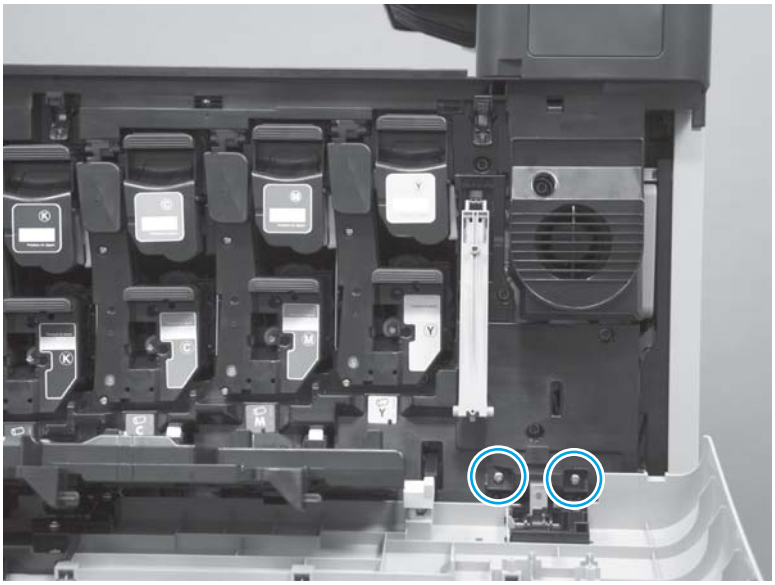
Figure 1-198 Remove the front door (6 of 9)



8. At the right side of the door, remove two screws.

NOTE: Support the door.

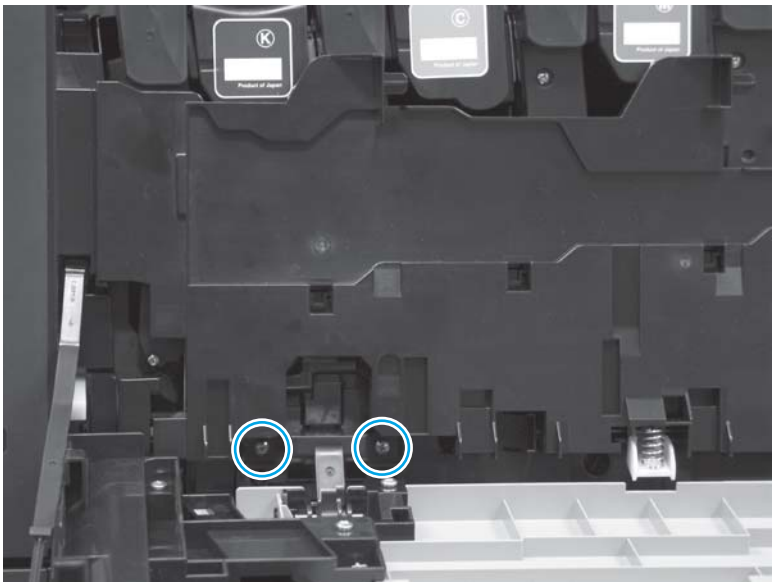
Figure 1-199 Remove the front door (7 of 9)



9. At the left side of the door, remove two screws.

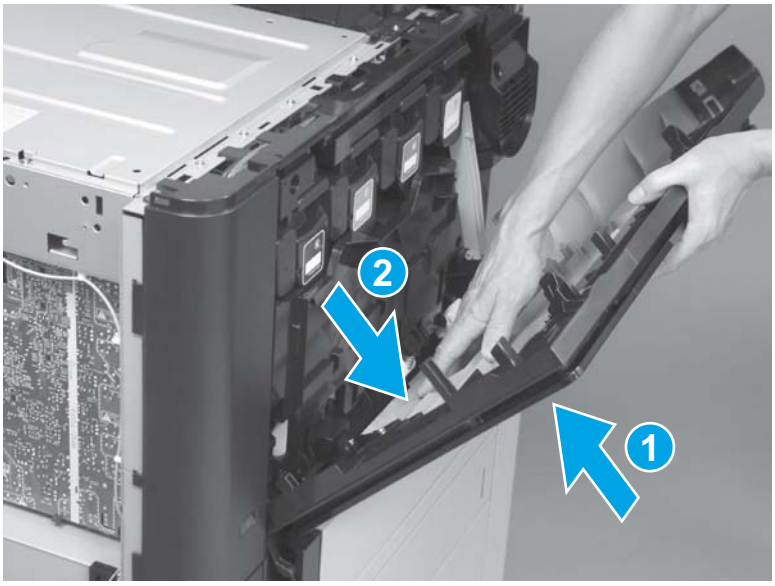
NOTE: Support the door.

Figure 1-200 Remove the front door (8 of 9)



10. Raise the door until it is about one-half of the way open (callout 1), push down on the door (callout 2) to release it, and then remove the door.

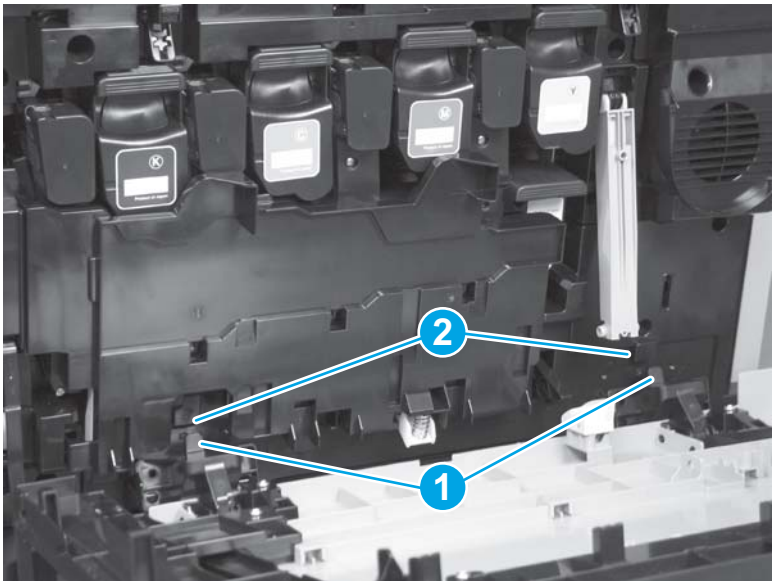
Figure 1-201 Remove the front door (9 of 9)



Reinstall the front door

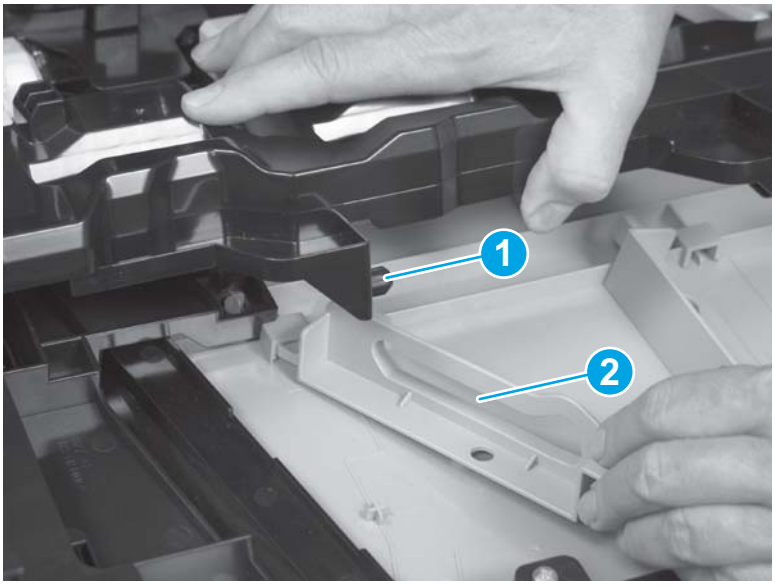
1. When reinstalling the door, make sure that the pins (callout 1) on the door are positioned in the slots (callout 2) on the product.

Figure 1-202 Reinstall the front door (1 of 2)



2. When reinstalling the rails, make sure that the pin (callout 1) on the inner door is positioned inside the slot (callout 2) on the rail before reinstalling the screws.

Figure 1-203 Reinstall the front door (2 of 2)



Rear cover

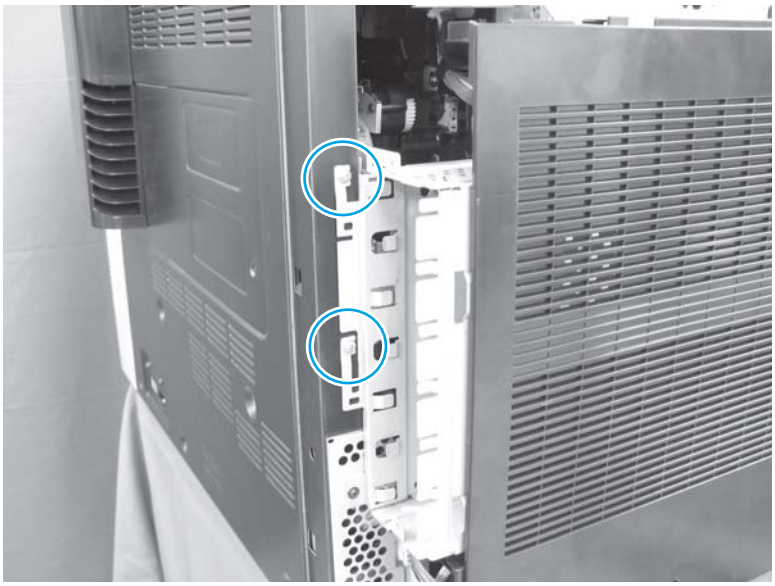
Before proceeding, remove the following assemblies:

- Left rear cover. See Left rear cover on page 104.

Remove the rear cover

1. Remove two screws.

Figure 1-204 Remove the rear cover (1 of 3)

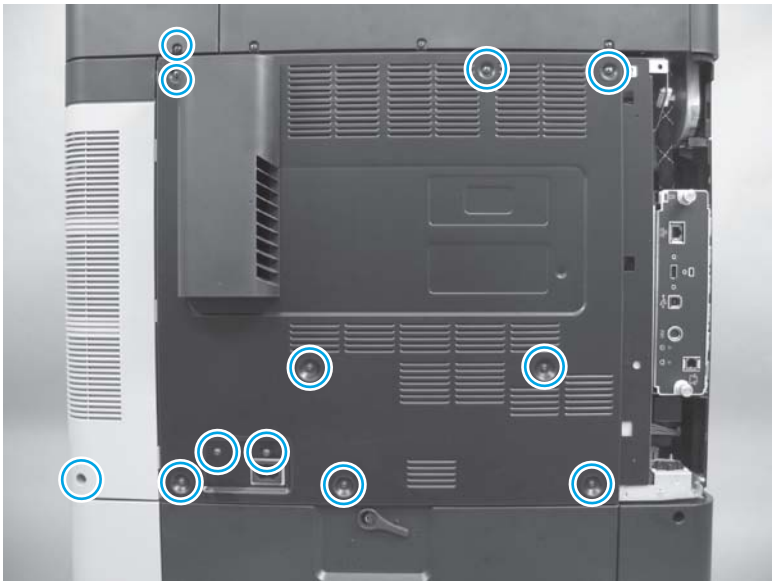


2. **M880 only**: Remove three screws.

Figure 1-205 Remove the rear cover (2 of 3)

3. Remove twelve screws, and then remove the cover.

Figure 1-206 Remove the rear cover (3 of 3)



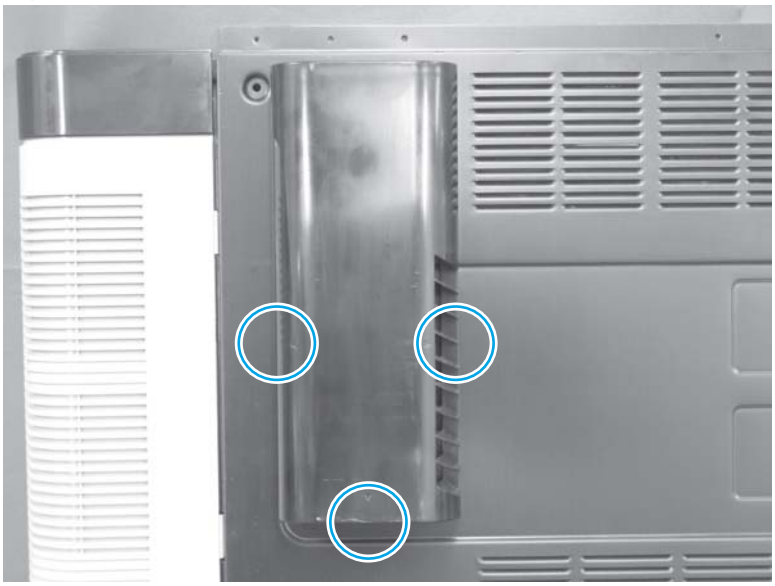
Install a replacement rear cover

If a replacement cover is installed, remove the fuser fan cover and the right rear cover, and then install them on the replacement cover.

1. Release three tabs, and then remove the fuser fan cover.

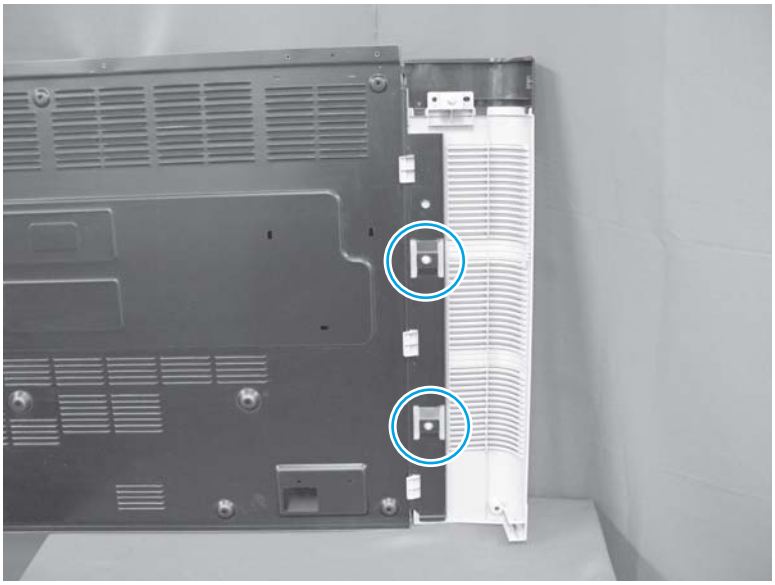
TIP: Look for the arrows embossed on the cover to locate the tabs.

Figure 1-207 Install a replacement rear cover (1 of 2)



2. Remove two screws, and then separate the right rear cover from the rear cover.

Figure 1-208 Install a replacement rear cover (2 of 2)



Right rear cover

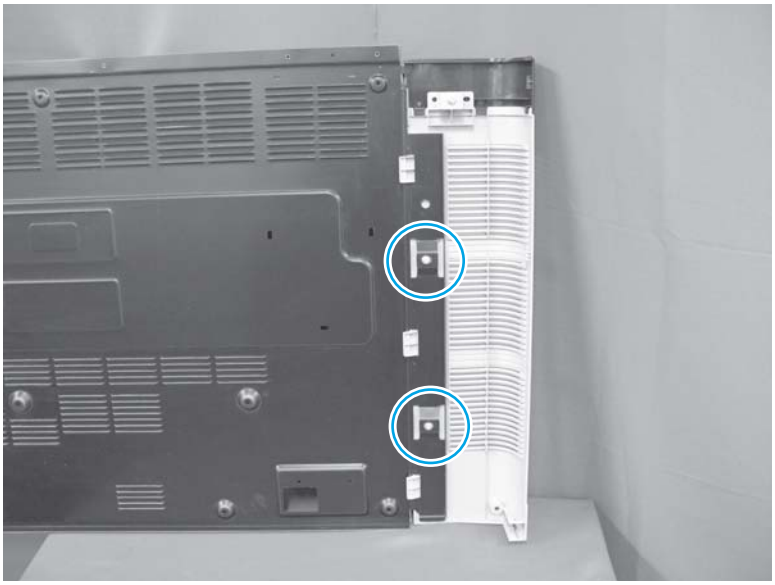
Before proceeding, remove the following assemblies:

- Left rear cover. See Left rear cover on page 104.
- Rear cover. See Rear cover on page 143.

Remove the right rear cover

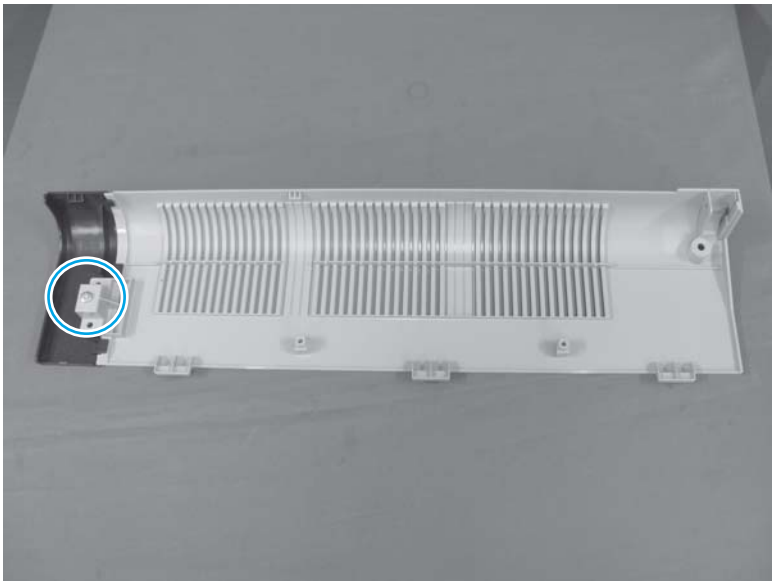
1. Remove two screws, and then separate the right rear cover from the rear cover.

Figure 1-209 Remove the right rear cover (1 of 2)



2. **Optional step**: If necessary, remove one screw, and then separate the small upper cover from the right rear cover.

Figure 1-210 Remove the right rear cover (2 of 2)



Front inner cover

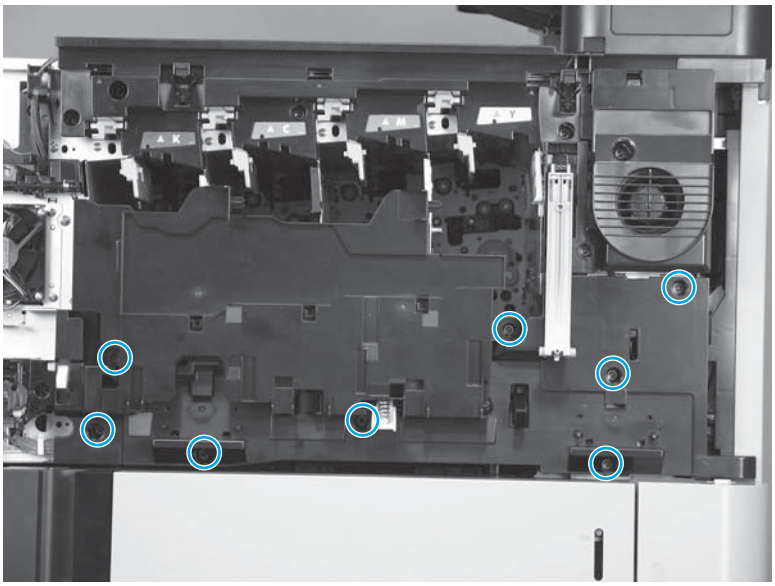
Before proceeding, remove the following assemblies:

- Remove one of the following, depending upon product configuration:
  - Face-down bin. See Face-down bin on page 101.
  - Intermediate paper transport unit (IPTU). See IPTU assembly on page 437.
- Front top cover. See Front top cover on page 115.
- Left cover. See Left cover on page 118.
- Left front cover. See Left front cover on page 133.
- Front door assembly. See Front door on page 137.

Remove the front inner cover

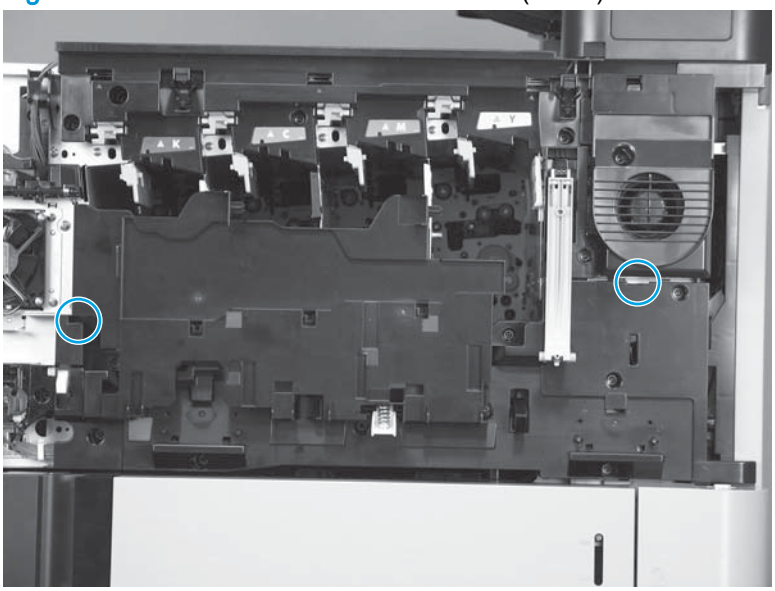
1. Remove eight screws.

Figure 1-211 Remove the front inner cover (1 of 2)



2. Release two tabs, and then remove the front inner cover.

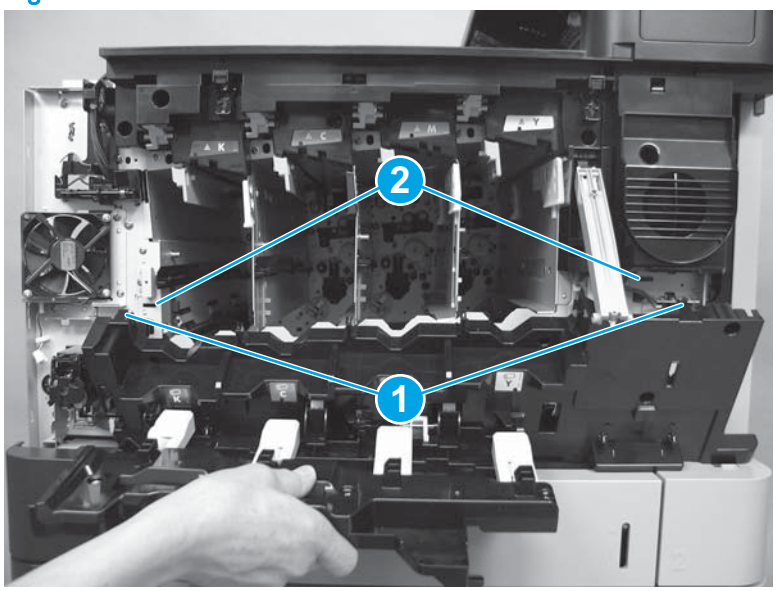
Figure 1-212 Remove the front inner cover (2 of 2)



Reinstall the front inner cover

Make sure that the tabs (callout 1) on the cover are inserted in the slots (callout 2) in the product.

Figure 1-213 Reinstall the front inner cover



Main assemblies

TIP: For clarity, some figures in this chapter show assemblies removed that are not required to be removed to service the product (for example, the scanner and document feeder assemblies). The procedures in this manual are correct for your product.

- Location of major components
- Document feeder assembly (M880)
- Scanner control board (SCB) (M880)
- Scanner assembly (M880)
- Interlock switch assembly
- Front-door open detection switch
- Main switch assembly
- Secondary transfer assembly
- Multipurpose tray (Tray 1) drive assembly
- Multipurpose tray (Tray 1) guide assembly
- Tray 2 pickup unit
- Fuser home position sensor
- Shutter gear holder assembly
- Fuser-edge area cooling fan FM10 (front)
- Fuser-edge area cooling fan FM9 (rear)
- Fuser fan FM2
- Fuser fan duct
- Cartridge fan FM3 (yellow and magenta)
- Cartridge fan FM4 (cyan and black)
- Laser/scanner fan FM1
- Delivery fan FM8
- Cartridge front area cooling fan FM7
- Memory tag PCA
- Image-drum motor
- Fuser power supply
- Primary transfer-roller disengagement motor
- Intermediate transfer belt (ITB) alienation-drive assembly
- Fuser motor

- Intermediate transfer belt (ITB) motor
- Toner-cartridge feed motor (black)
- Toner-cartridge feed motor (yellow, magenta, and cyan)
- Environmental sensor
- Interconnect PCA (M855)
- Interconnect PCA (M880)
- Formatter case
- Formatter, formatter case, and interconnect board (ICB)
- High-voltage power supply (HVPS) B
- DC controller PCA
- Color-plane registration (CPR) sensor assembly
- Low-voltage power supply (LVPS)
- High-voltage power supply (HVPS) A (first transfer)
- Lifter-drive assembly
- Toner-cartridge drive assembly (yellow and magenta)
- Toner-cartridge drive assembly (cyan and black)
- Cartridge interface PCA (cyan and black)
- Cartridge interface PCA (yellow and magenta)
- Main drive assembly
- Replace or reinstall the toner-cartridge drive assemblies or the main drive assembly
- Fuser drive assembly
- Scanner cover
- Laser/scanner assembly (yellow and magenta)
- Laser/scanner assembly (cyan and black)
- Duplex reverse assembly (M855)
- Duplex reverse assembly (M880)
- VOC fan (M855)
- VOC fan (M880)
- Face-down delivery assembly(M855)
- Face-down delivery assembly (M880)
- Face-down cover

- Duplexing feed assembly
- Multipurpose tray (Tray 1) pickup assembly

Location of major components

Figure 1-214 Base product main assemblies (1 of 2)

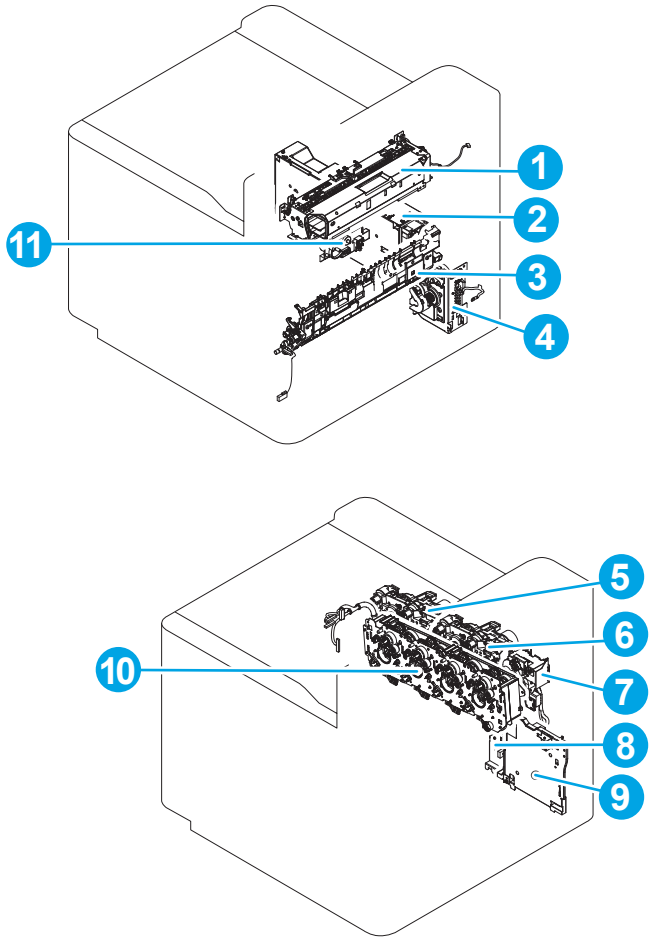


Table 1-9 Base product main assemblies (1 of 2)

Item	Description	Item	Description
1	Face-down delivery assembly	7	Fuser drive assembly
2	Low-voltage power supply (LVPS)	8	ITB alienation drive assembly
3	Secondary transfer (T2) assembly	9	Fuser PCA
4	Multipurpose tray (Tray 1) drive assembly	10	Main drive assembly
5	Toner cartridge drive assembly (C/K)	11	Shutter gear holder assembly
6	Toner cartridge drive assembly (Y/M)		

Figure 1-215 Base product main assemblies (2 of 2)

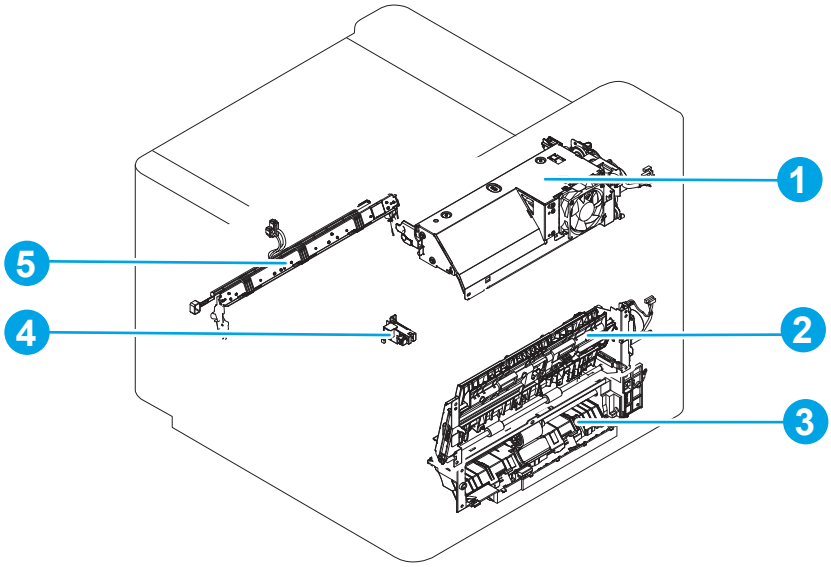


Table 1-10 Base product main assemblies (2 of 2)

Item	Description	Item	Description
1	Duplex reverse assembly	4	Fuser home position sensor assembly
2	Duplexing feed assembly (assembly is attached to the right door)	5	Color-plane registration (CPR) sensor assembly
3	Multipurpose tray (Tray 1) pickup assembly (assembly is attached to the right door)		

Document feeder assembly (M880)

Before proceeding, remove the following assemblies:

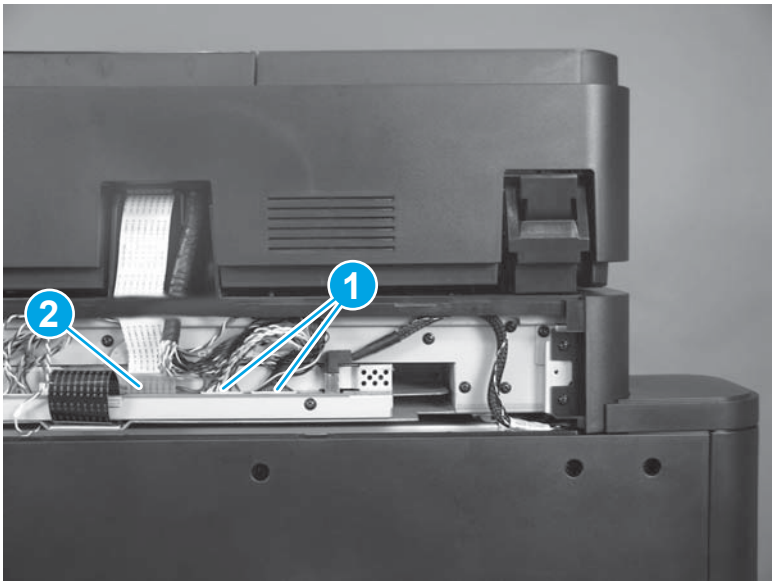
- Scanner back cover (M880). See Scanner back cover (M880) on page 88.

Remove the document feeder assembly (M880)

IMPORTANT: If you are installing a replacement ADF assembly, you must use the Service menu to set the Document feeder Kit Interval and ADF Count values to zero. See Reinstall the document feeder assembly (M880) on page 159.

1. Disconnect two connectors (callout 1), and one flat cable (callout 2).

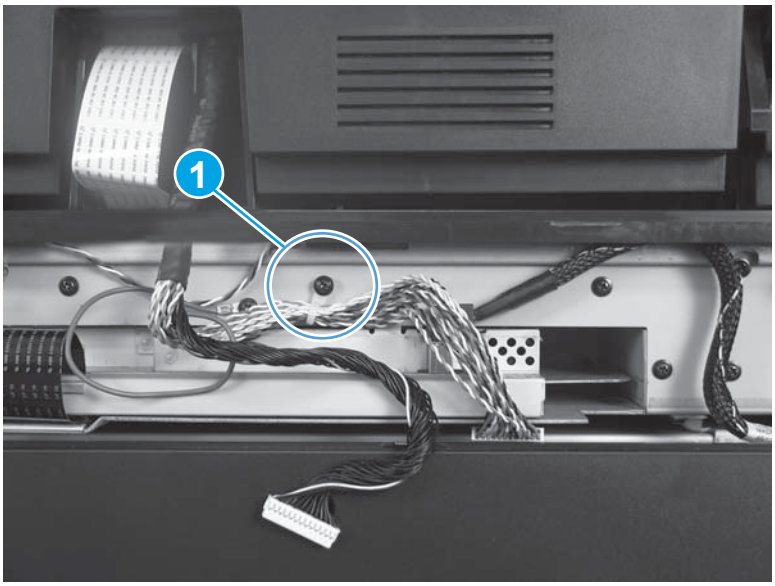
Figure 1-216 Remove the document feeder assembly (M880; 1 of 9)



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

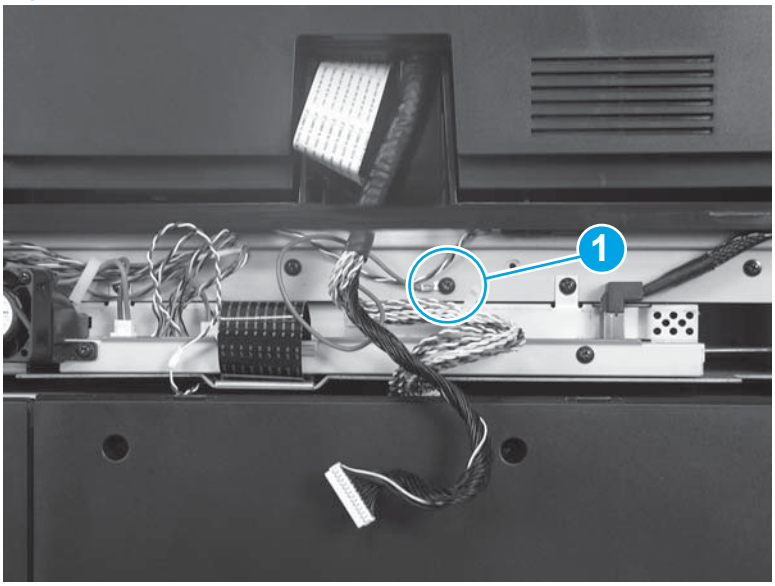
NOTE: The screw (callout 1) that secures the wire retainer is longer than other screws used in the product. Make sure that you use this screw when the retainer is reinstalled.

Figure 1-217 Remove the document feeder assembly (M880; 2 of 9)



3. Remove one screw (callout 1) to release one ground wire.

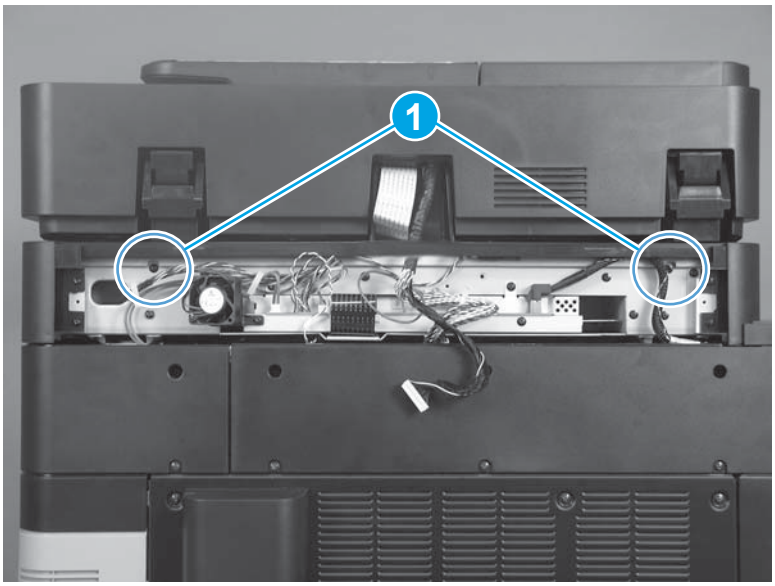
Figure 1-218 Remove the document feeder assembly (M880; 3 of 9)



4. Remove two screws (callout 1) to release the document feeder hinges.

NOTE: These screws (callout 1) are longer than other screws used in the product. Make sure that you use these screws when the document feeder assembly is reinstalled.

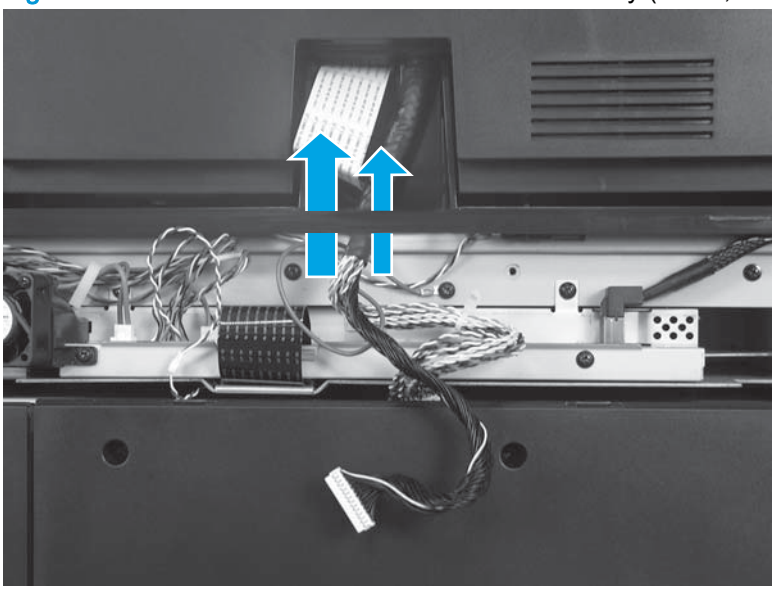
Figure 1-219 Remove the document feeder assembly (M880; 4 of 9)



5. Carefully push the document feeder wire harness and flat cable up through the opening in the scanner bezel.

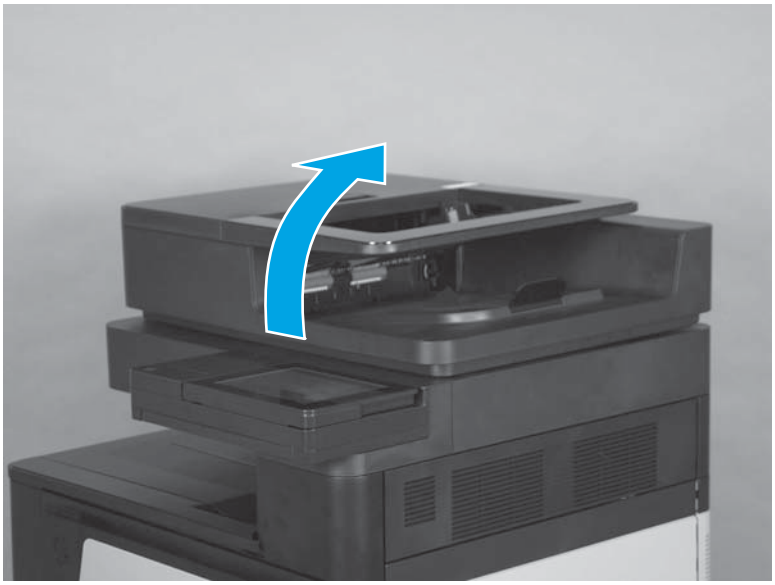
Reinstallation tip When the document feeder is reinstalled, make sure that the wire harness and flat cable are behind the scanner bezel, or the scanner back cover will not fit properly.

Figure 1-220 Remove the document feeder assembly (M880; 5 of 9)



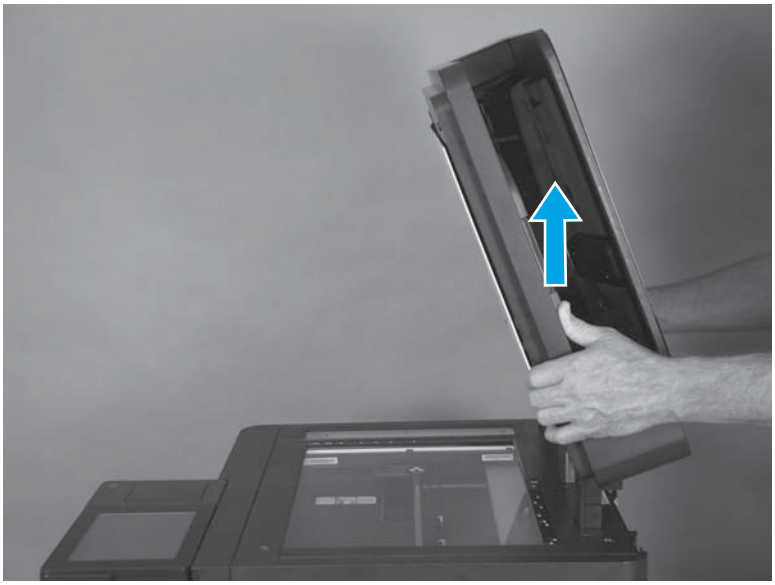
6. Raise the document feeder to the open position.

Figure 1-221 Remove the document feeder assembly (M880; 6 of 9)



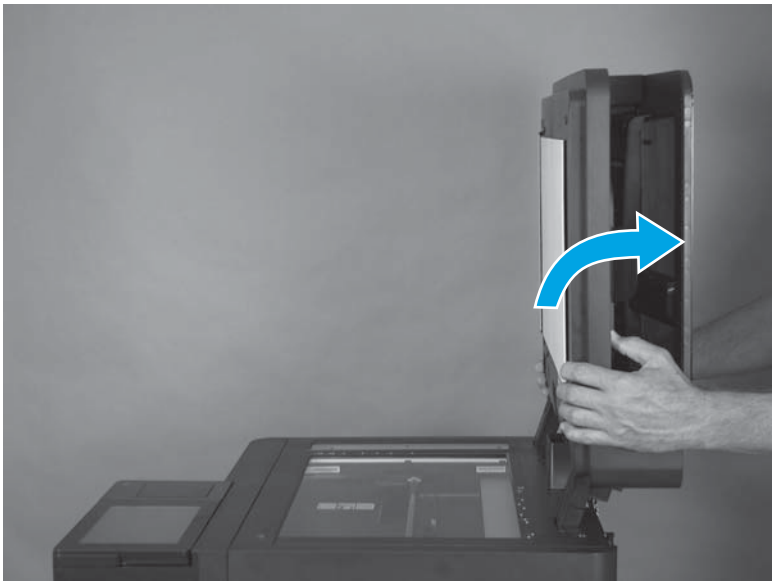
7. Lift the document feeder up until it stops.

Figure 1-222 Remove the document feeder assembly (M880; 7 of 9)



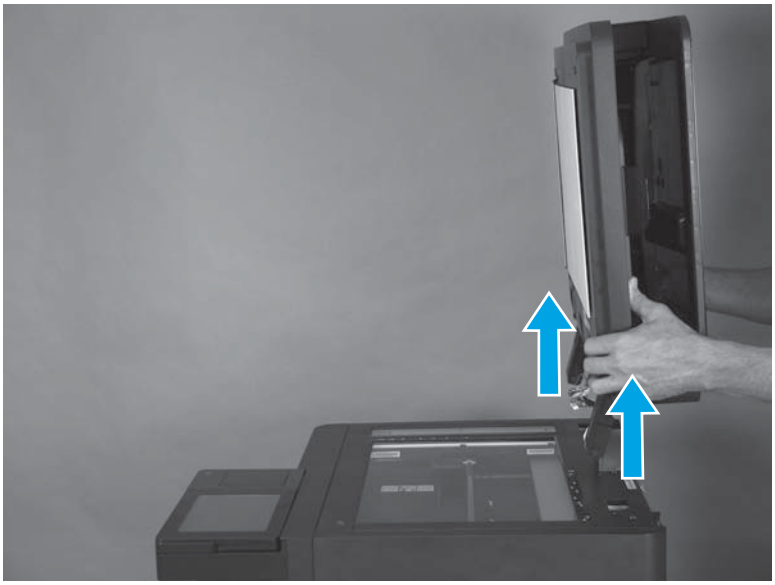
8. Tilt the assembly towards the rear of the product to release the hinges.

Figure 1-223 Remove the document feeder assembly (M880; 8 of 9)



9. Lift the assembly up and off of the product.

Figure 1-224 Remove the document feeder assembly (M880; 9 of 9)



Reinstall the document feeder assembly (M880)

IMPORTANT: If a replacement document feeder is installed, you must follow the instructions below to reset the counter. Failure to follow these instructions might result in more frequent paper jams.

NOTE: If a replacement document feeder or scanner assembly is installed, you must install a replacement white backing on the document feeder. See Document feeder white backing (M880) on page 39.

Installing a replacement document feeder assembly

If a replacement document feeder is installed, do the following:

1. From the Home screen on the control panel, scroll to and touch the Device Maintenance button.
2. Open the Service menu.
3. On the sign-in screen, select the Service Access Code option from the drop-down list.
4. Enter the following service access code for this product: 11088013.
5. Reset the following values:
   - Document Feeder Kit Interval; set to zero
   - ADF Count; set to zero

Scanner control board (SCB) (M880)

Before proceeding, remove the following assemblies:

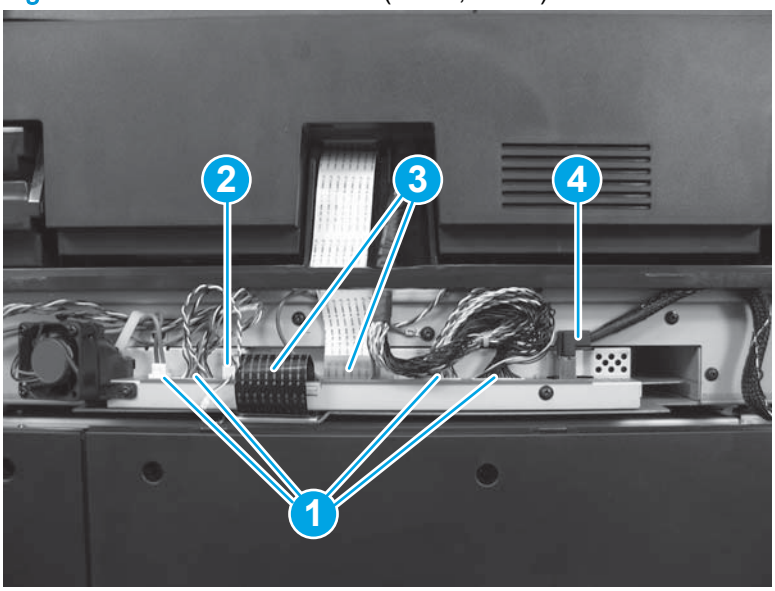
- Scanner back cover (M880). See Scanner back cover (M880) on page 88.

Remove the SCB (M880)

1. Disconnect four wire harness connectors (callout 1), one inline connector (callout 2), two flat cables (callout 3), and one USB connector (callout 4).

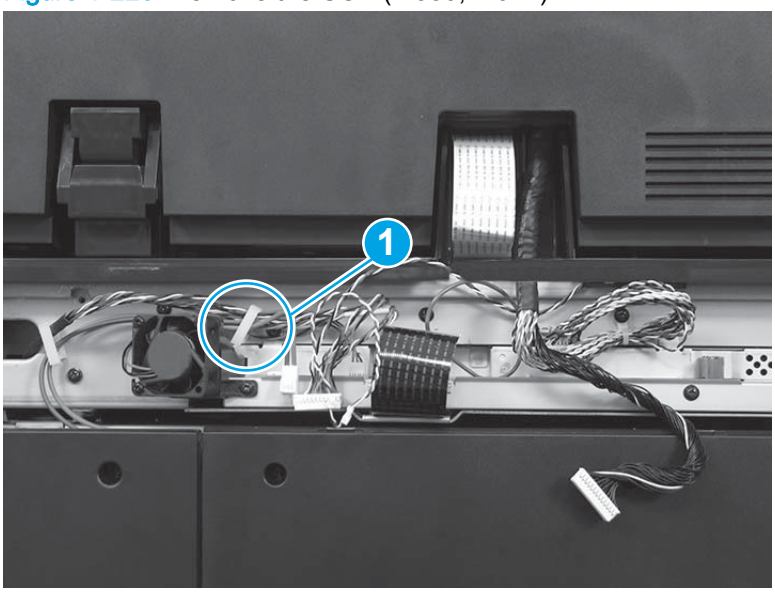
NOTE: The scanner control board (SCB) fan connector does not need to be disconnected.

Figure 1-225 Remove the SCB (M880; 1 of 4)



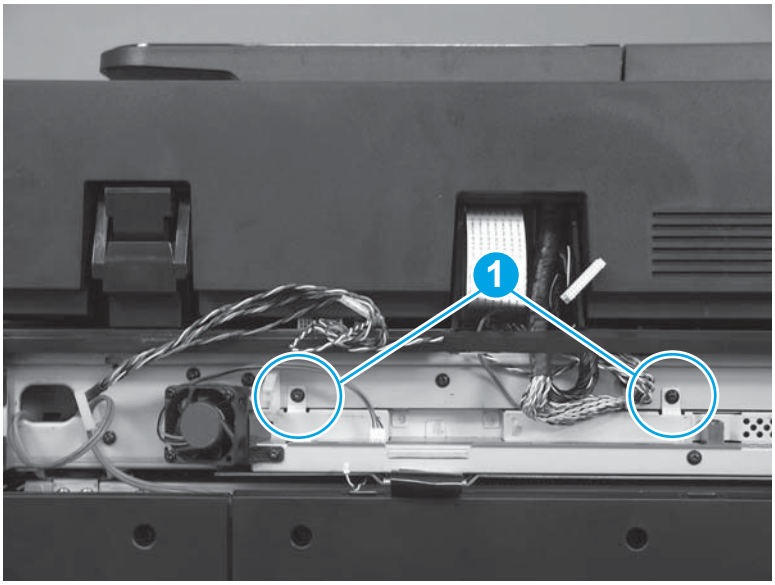
2. Release the wire harnesses from the retainer (callout 1).

Figure 1-226 Remove the SCB (M880; 2 of 4)



3. Remove two screws (callout 1).

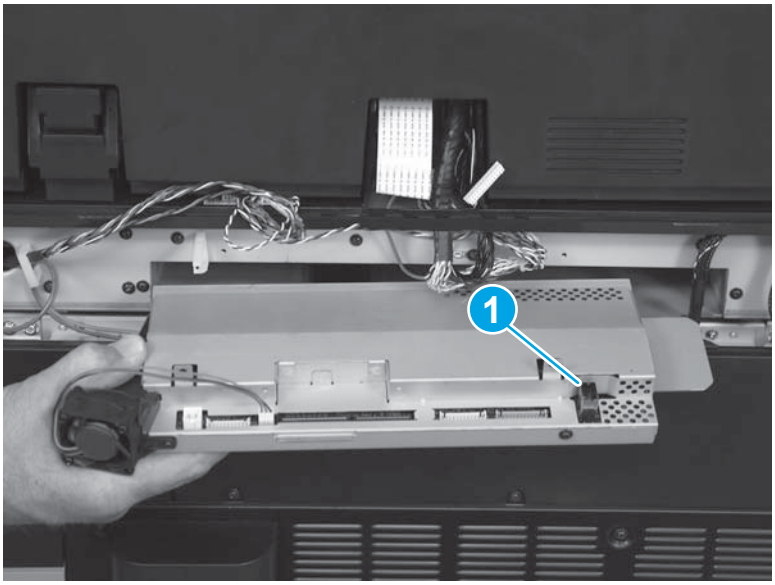
Figure 1-227 Remove the SCB (M880; 3 of 4)



4. Carefully remove the SCB.

Reinstallation tip If you are installing a replacement SCB, make sure to remove the protective cover from the USB connector (callout 1) on the replacement SCB before installing it in the product.

Figure 1-228 Remove the SCB (M880; 4 of 4)



Scanner assembly (M880)

WARNING! The scanner assembly weighs approximately 26.3 kg (58.0 lbs). HP recommends that two people lift the assembly off of the product.

Before proceeding, remove the following assemblies:

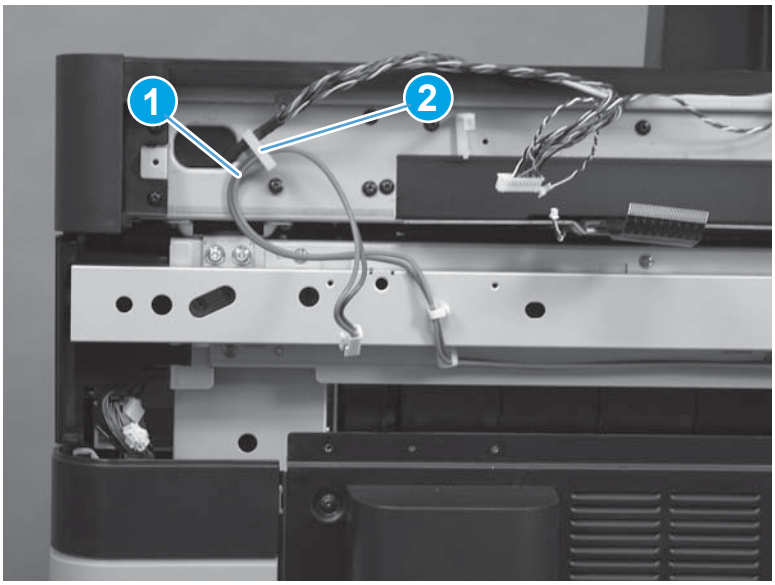
- Control panel assembly (M880). See Control panel assembly (M880) on page 53.
- Scanner back cover (M880). See Scanner back cover (M880) on page 88.
- Document feeder assembly (M880). See Document feeder assembly (M880) on page 154.
- Scanner control board (M880). See Scanner control board (SCB) (M880) on page 160.
- Rear upper MFP cover (M880). See Rear upper MFP cover (M880) on page 109.
- Rear upper rear cover (M880). See Rear upper rear cover (M880) on page 107.
- Right upper rear cover (M880). See Right upper rear cover (M880) on page 108.

Remove the scanner assembly (M880)

IMPORTANT: If you are installing a replacement scanner assembly, you must use the Service menu to set the Flatbed Count value to zero. See Reinstall the scanner assembly (M880) on page 166.

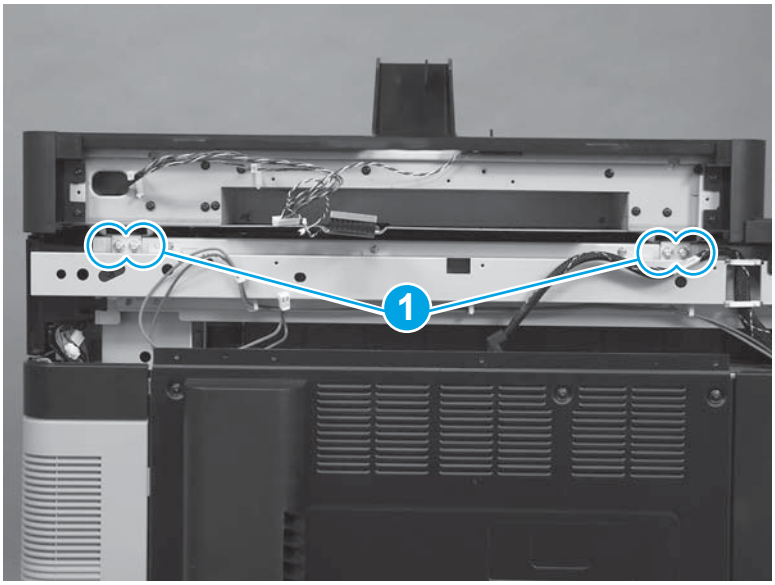
1. At the rear of the product, release the wire harness (callout 1) from the retainer (callout 2).

Figure 1-229 Remove the scanner assembly (M880; 1 of 7)



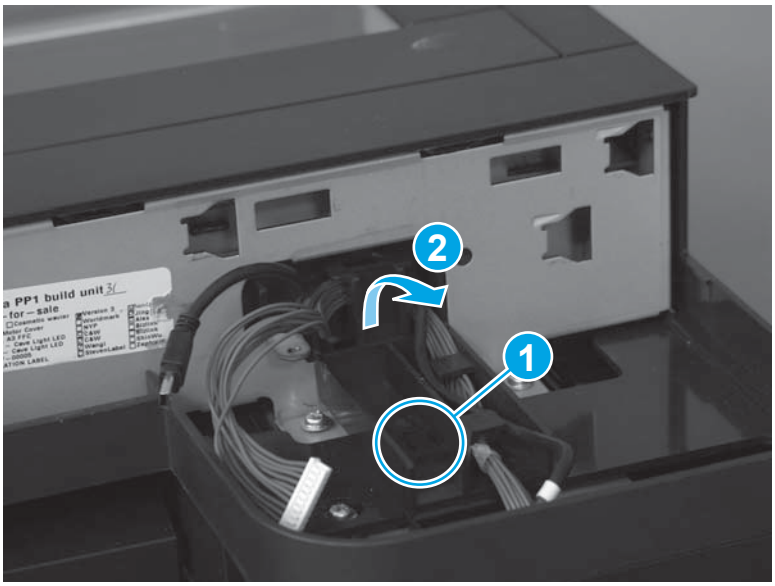
2. Remove four screws (callout 1).

Figure 1-230 Remove the scanner assembly (M880; 2 of 7)



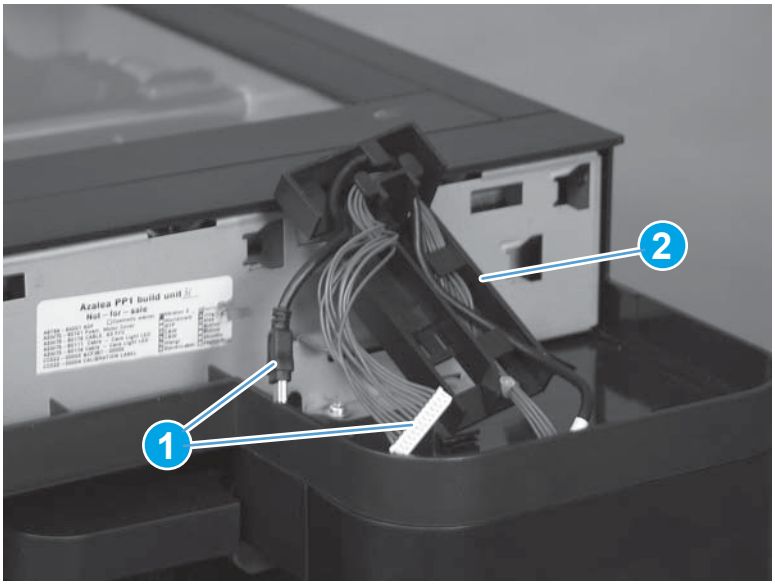
3. At the front of the product (where the control panel was removed), release one tab (callout 1), and then separate the wire guide from the product (callout 2).

Figure 1-231 Remove the scanner assembly (M880; 3 of 7)



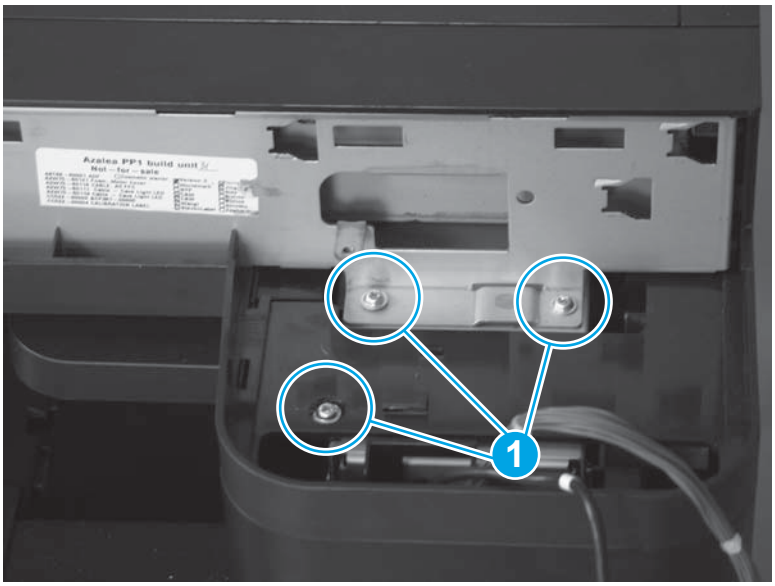
4. Release the USB cable and wire harness (callout 1) from the guide (callout 2), and then remove the guide.

Figure 1-232 Remove the scanner assembly (M880; 4 of 7)



5. Remove three screws (callout 1).

Figure 1-233 Remove the scanner assembly (M880; 5 of 7)



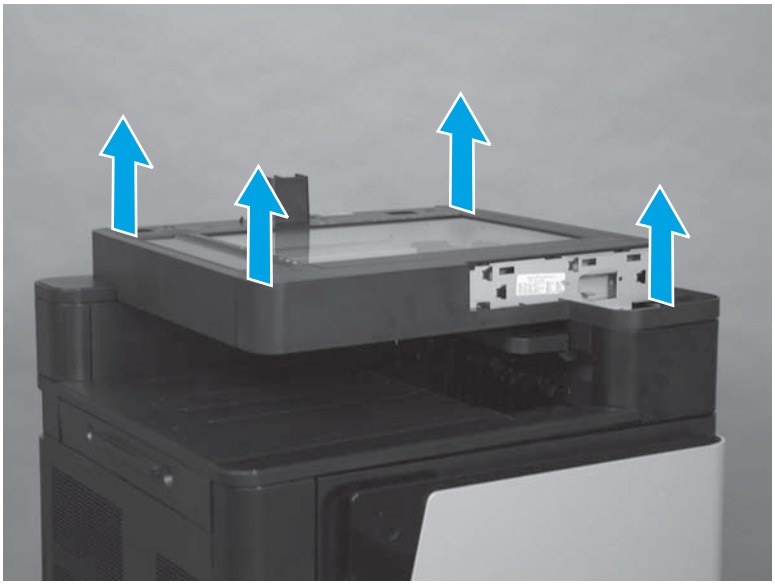
6. Carefully place the USB cable and wire harness in the cavity below the control panel mounting bracket to keep them out of the way when the scanner is removed.

Figure 1-234 Remove the scanner assembly (M880; 6 of 7)

7. Carefully lift the scanner assembly up and off of the product.

⚠ **WARNING!** The scanner assembly weighs approximately 26.3 kg (58.0 lbs). HP recommends that two people lift the assembly off of the product.

Figure 1-235 Remove the scanner assembly (M880; 7 of 7)



Reinstall the scanner assembly (M880)

IMPORTANT: If a replacement scanner assembly is installed, you must follow the instructions below to reset the counter. Failure to follow these instructions might result in more frequent paper jams.

NOTE: If a replacement document feeder or scanner assembly is installed, you must install a replacement white backing on the document feeder. See Document feeder white backing (M880) on page 39.

Installing a replacement scanner assembly

If a replacement scanner assembly is installed, do the following:

1. From the Home screen on the control panel, scroll to and touch the Device Maintenance button.
2. Open the Service menu.
3. On the sign-in screen, select the Service Access Code option from the drop-down list.
4. Enter the following service access code for this product: 11088013.
5. Reset the following value:
   - Flatbed Count; set to zero

Interlock switch assembly

Before proceeding, remove the following assemblies:

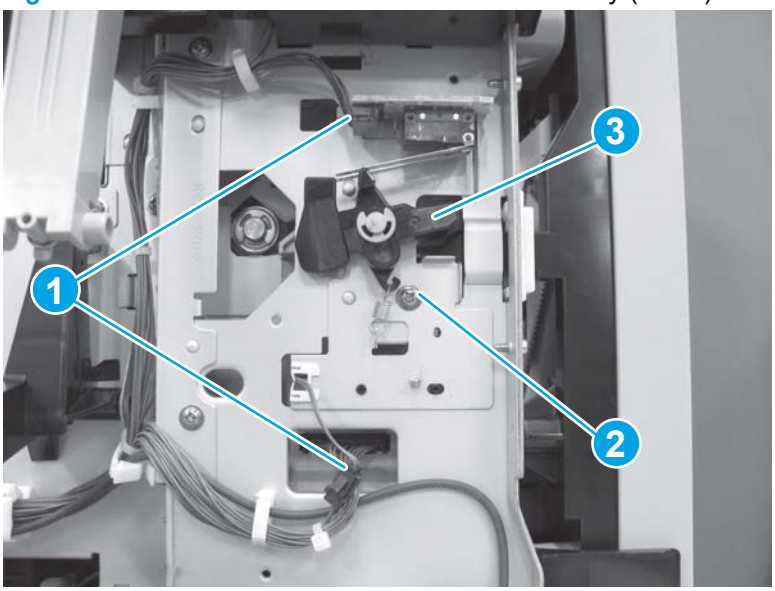
- Front door. See Front door on page 137.
- Front inner cover. See Front inner cover on page 147.

Remove the interlock switch assembly

If the toner cartridges have not already been removed for servicing the product, remove them now.

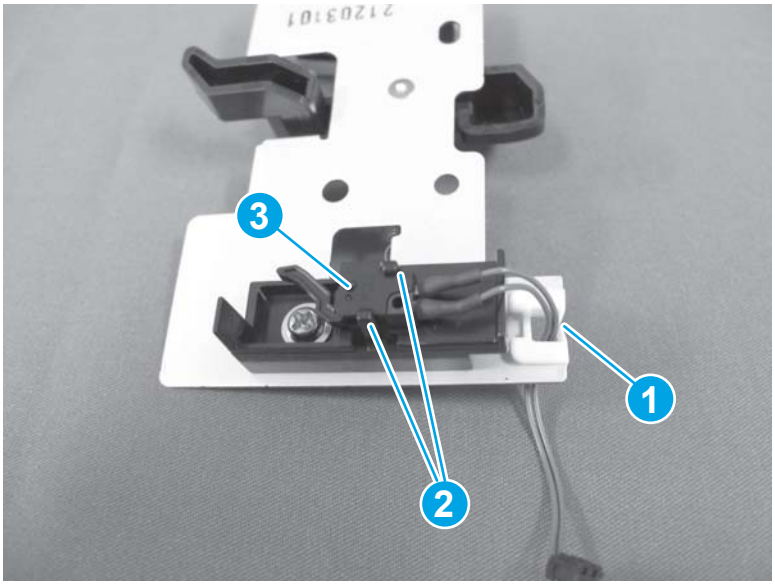
1. Disconnect two connectors (callout 1), remove one screw (callout 2), and then remove the interlock switch assembly (callout 3).

Figure 1-236 Remove the interlock switch assembly (1 of 2)



2. Release the wire harness from the retainer (callout 1), release two tabs (callout 2), and then remove the right-door open detection switch (callout 3) from the assembly.

Figure 1-237 Remove the interlock switch assembly (2 of 2)



Front-door open detection switch

Before proceeding, remove the following assemblies:

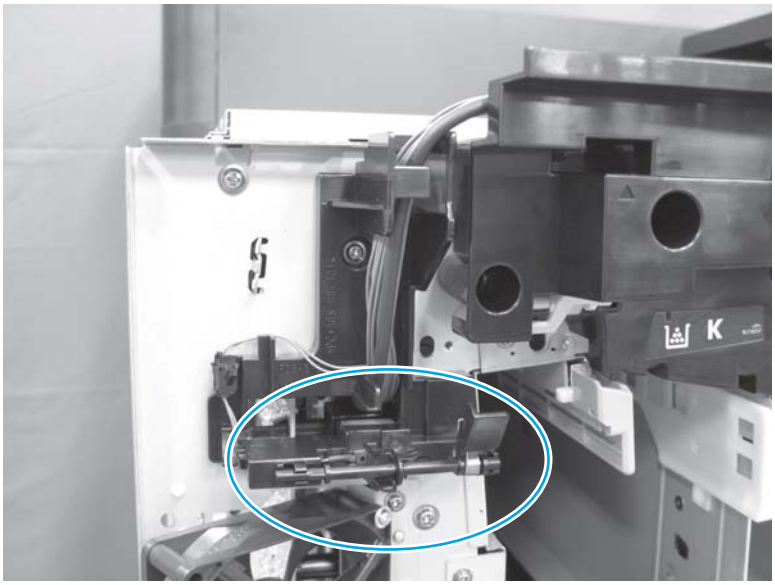
- Remove one of the following, depending upon product configuration:
  - Face-down bin. See Face-down bin on page 101.
  - Intermediate paper transport unit (IPTU). See IPTU assembly on page 437.
- Left rear cover. See Left rear cover on page 104.
- Front top cover. See Front top cover on page 115.
- Left cover. See Left cover on page 118.
- Left front cover. See Left front cover on page 133.

Remove the front-door open detection switch

1. Carefully release the flag from the holders to remove it.

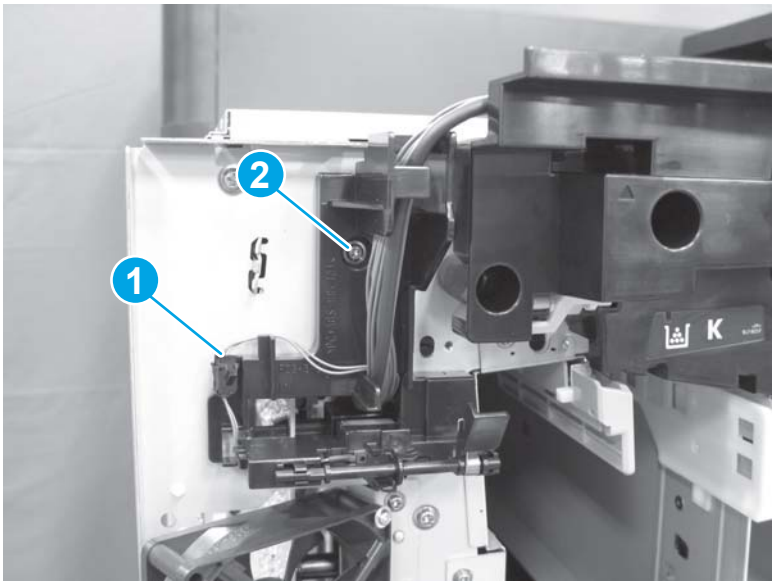
Reinstallation tip Note how the spring at the right end of the flag shaft is installed. If the spring becomes dislodged while removing the flag, you must correctly reinstall it so that the flag will properly function. See Reinstall the front-door-open detection switch on page 171.

Figure 1-238 Remove the front-door open detection switch (1 of 4)



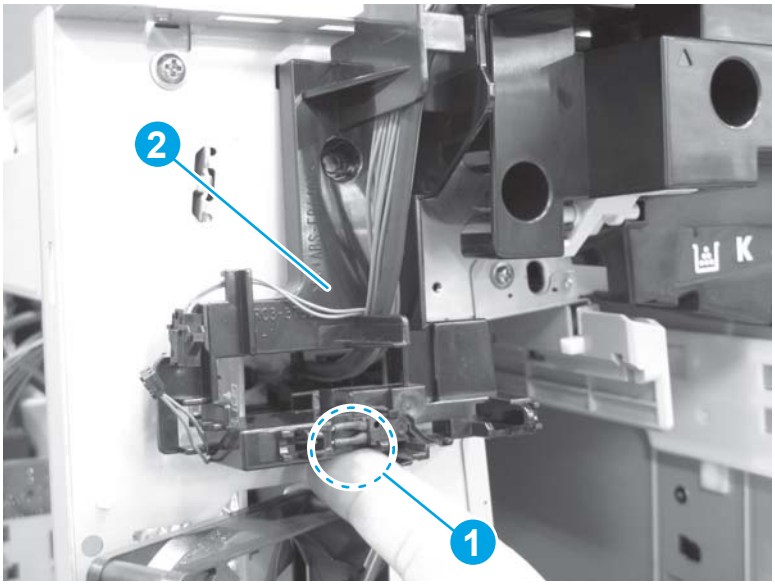
2. Disconnect one connector (callout 1), and then remove one screw (callout 2).

Figure 1-239 Remove the front-door open detection switch (2 of 4)



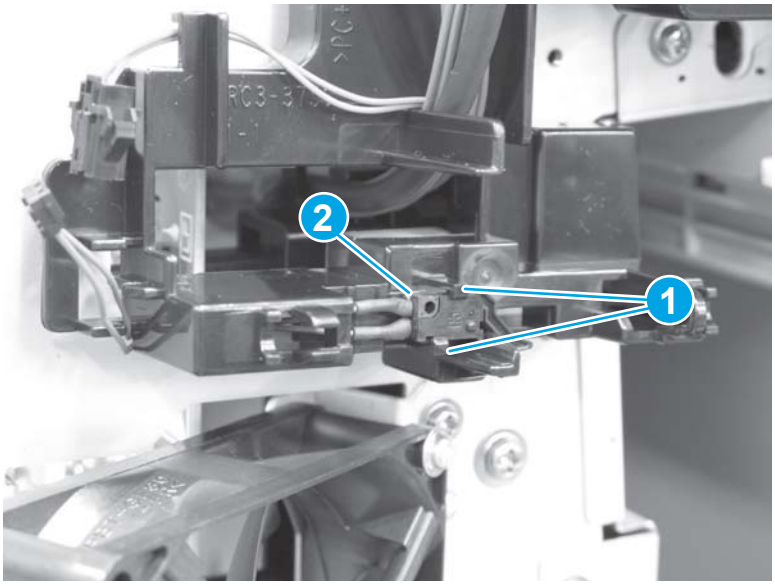
3. Release one tab (callout 1), and then remove the switch holder (callout 2).

Figure 1-240 Remove the front-door open detection switch (3 of 4)



4. Release two tabs (callout 1), and then remove the front-door open detection switch (callout 2) from the assembly.

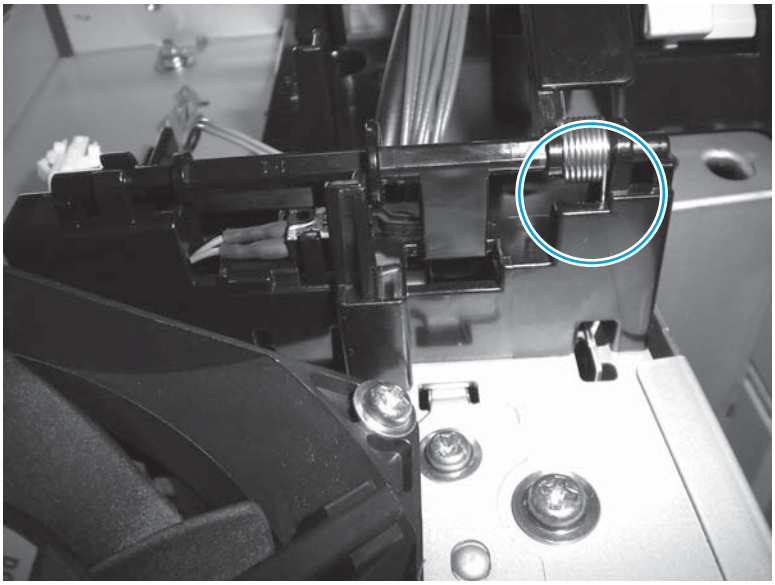
Figure 1-241 Remove the front-door open detection switch (4 of 4)



Reinstall the front-door-open detection switch

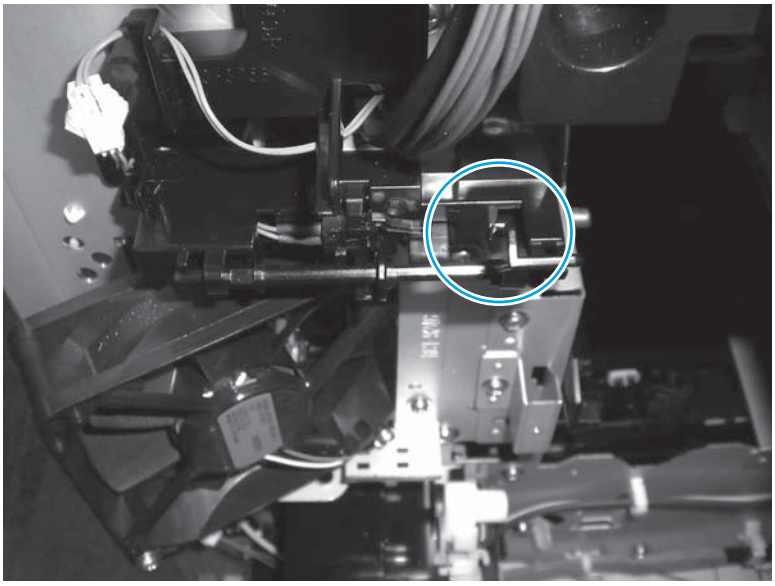
1. When the flag is reinstalled, make sure that the lower end of the spring is behind the holder.

Figure 1-242 Reinstall the front-door-open detection switch (1 of 3)



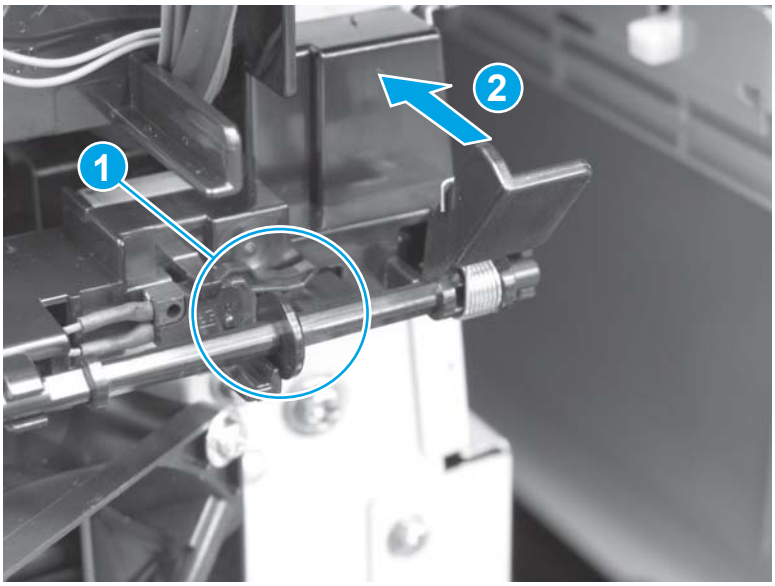
2. When the flag is reinstalled, make sure that the top end of the spring is correctly seated on the flag.

Figure 1-243 Reinstall the front-door-open detection switch (2 of 3)



3. Verify that the switch (callout 1) moves to the up position when the flag is toggled to the door closed position (callout 2).

Figure 1-244 Reinstall the front-door-open detection switch (3 of 3)



Main switch assembly

Before proceeding, remove the following assemblies:

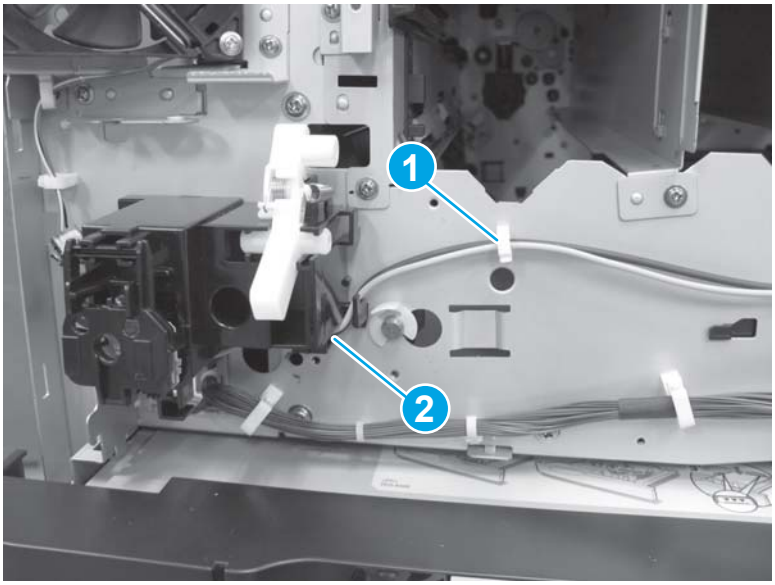
- Remove one of the following, depending upon product configuration:
  - Face-down bin. See Face-down bin on page 101.
  - Intermediate paper transport unit (IPTU). See IPTU assembly on page 437.
- Left rear cover. See Left rear cover on page 104.
- Front top cover. See Front top cover on page 115.
- Left cover. See Left cover on page 118.
- Left front cover. See Left front cover on page 133.
- Front door assembly. See Front door on page 137.
- Front inner cover. See Front inner cover on page 147.

Remove the main switch assembly

If the toner cartridges have not already been removed for servicing the product, remove them now.

1. Release the wire harness from one retainer (callout 1), and then from the guide (callout 2).

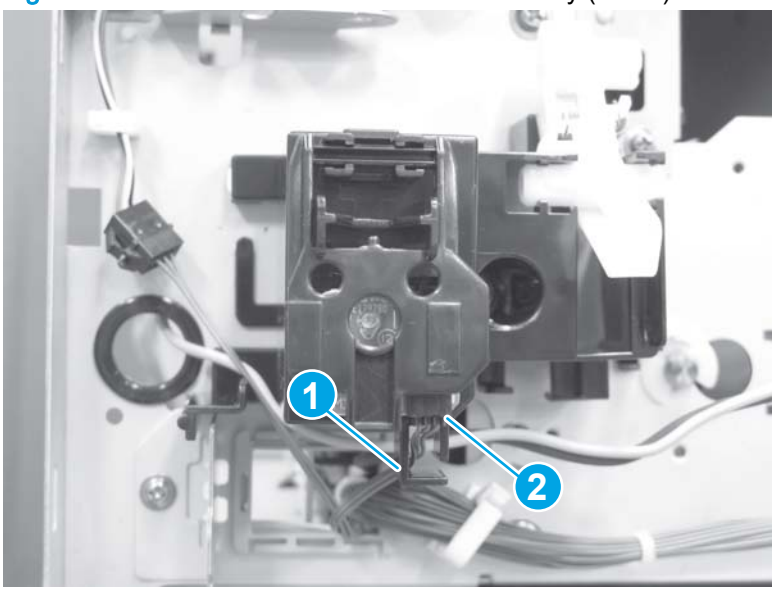
Figure 1-245 Remove the main switch assembly (1 of 3)



2. Release the wire harness from one guide (callout 1), and then disconnect one connector (callout 2).

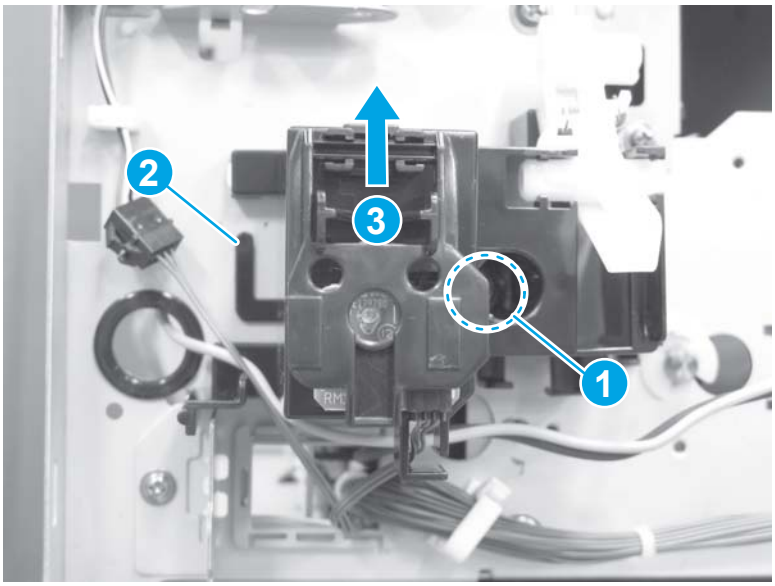
TIP: It is easier to disconnect the connector if the harness is first released from the guide.

Figure 1-246 Remove the main switch assembly (2 of 3)



3. Remove one screw (callout 1), release one tab (callout 2), and then slide the switch assembly upward (callout 3) to remove it.

Figure 1-247 Remove the main switch assembly (3 of 3)



Secondary transfer assembly

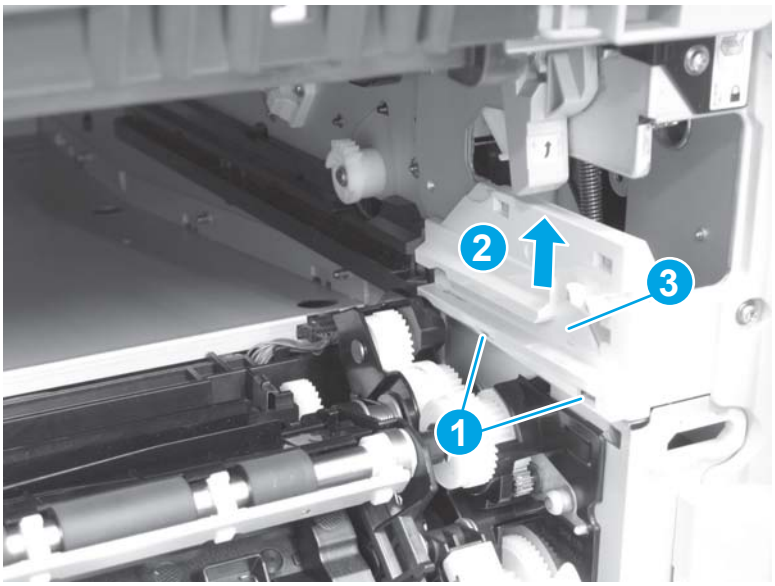
Before proceeding, remove the following assemblies:

- Secondary transfer roller. See Secondary transfer roller on page 16
- Intermediate transfer belt. See Intermediate transfer belt (ITB) on page 19.

Remove the secondary transfer assembly

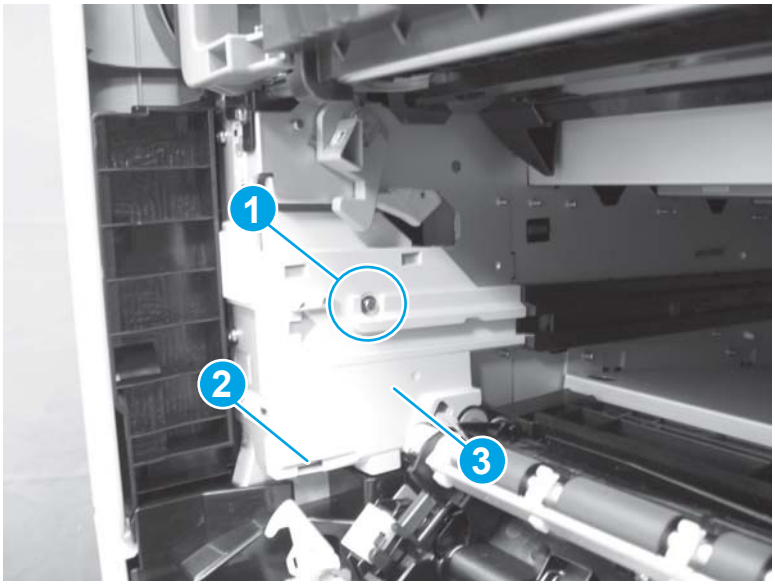
1. Open the right door to access the assemblies in the following steps.
2. Release two tabs (callout 1), and then lift up (callout 2) to remove the right ITB guide (callout 3).

Figure 1-248 Remove the secondary transfer assembly (1 of 10)



3. Remove one screw (callout 1), release one tab (callout 2), and then remove the left ITB guide (callout 3).

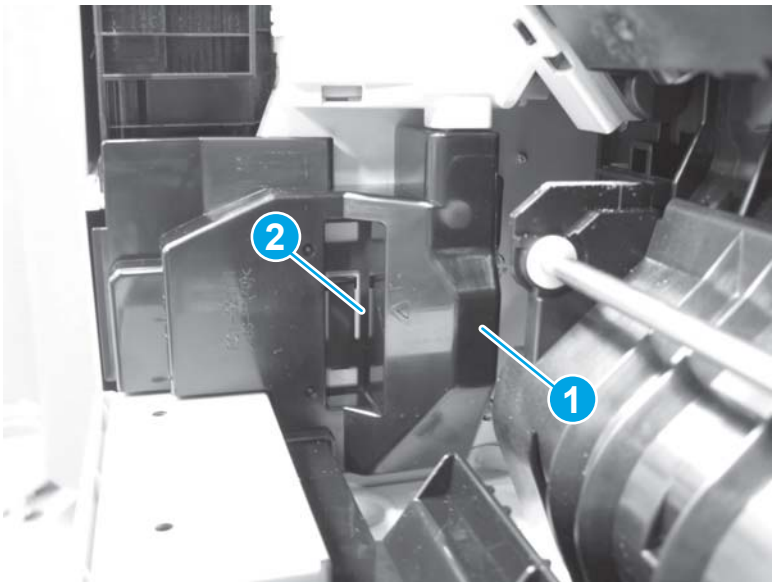
Figure 1-249 Remove the secondary transfer assembly (2 of 10)



4. Grasp the connector cover (callout 1), and then remove the cover by lifting up while releasing the tab (callout 2).

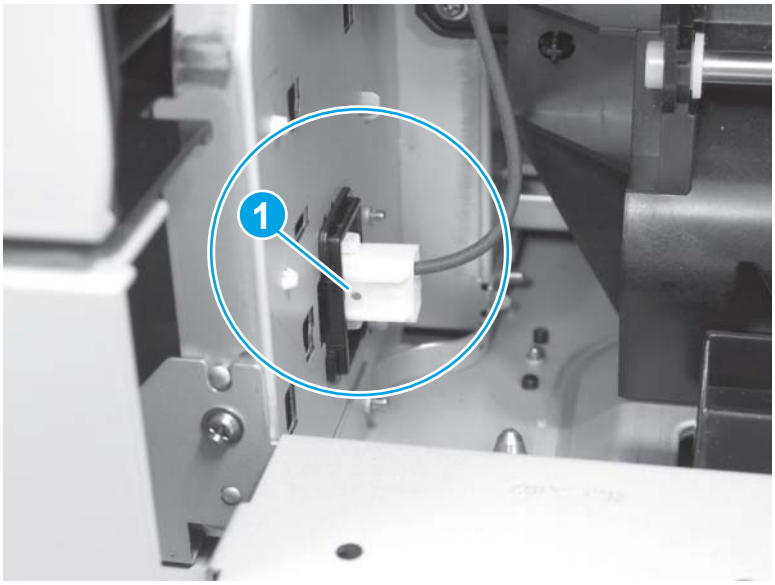
TIP: Use the arrow embossed on the cover to locate the tab.

Figure 1-250 Remove the secondary transfer assembly (3 of 10)



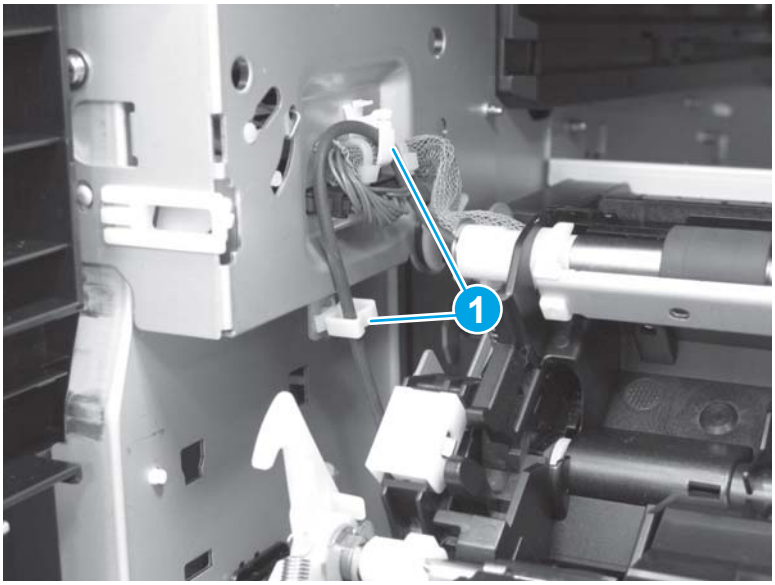
5. Push in on the red mark on the connector (callout 1), and then disconnect the connector.

Figure 1-251 Remove the secondary transfer assembly (4 of 10)



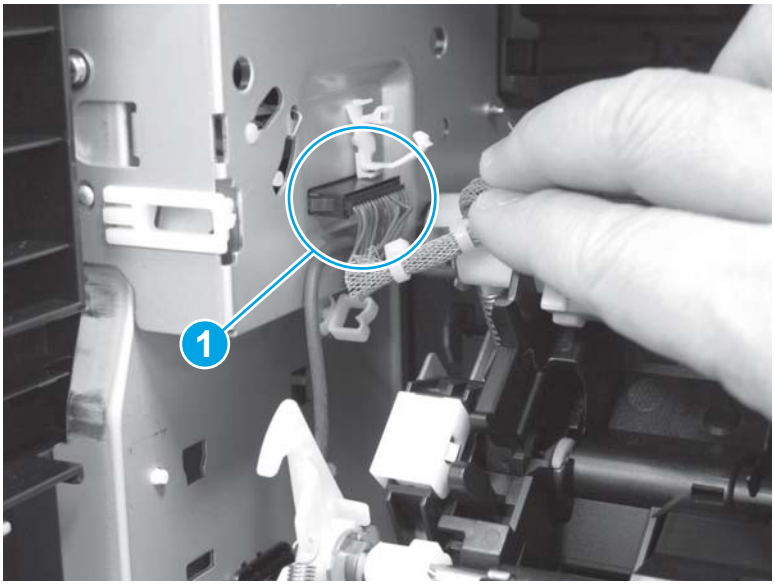
6. Release the wire harness from two cable retainers (callout 1).

Figure 1-252 Remove the secondary transfer assembly (5 of 10)



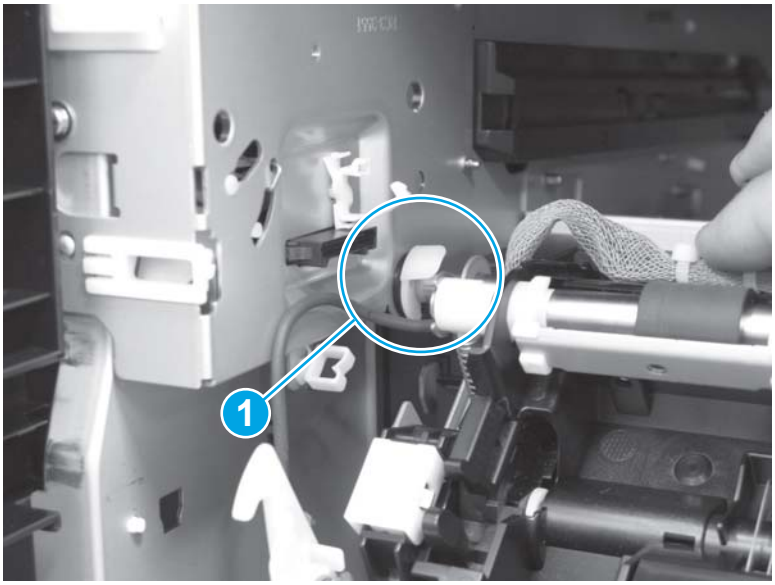
7. Disconnect one connector (callout 1).

Figure 1-253 Remove the secondary transfer assembly (6 of 10)



8. Remove one white plastic retainer (callout 1).

Figure 1-254 Remove the secondary transfer assembly (7 of 10)



9. Use a small flat-blade screwdriver to slide one black-plastic bushing away from the chassis (callout 1).

TIP: After the assembly is removed later in this procedure, use the clip removed in the step above to secure the bushing to the shaft so it will not be lost.

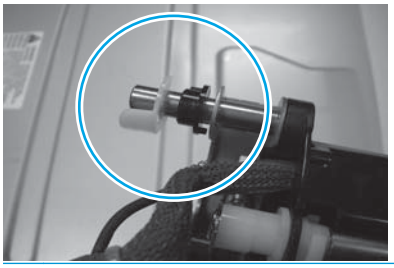
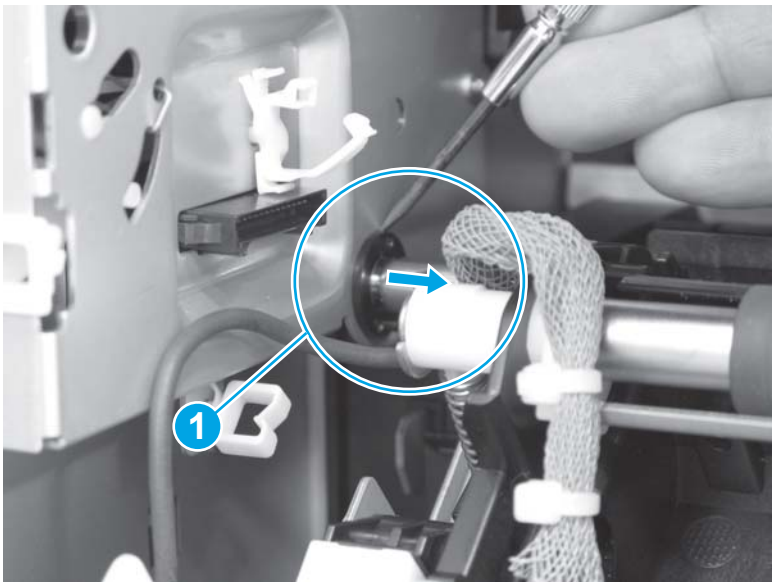


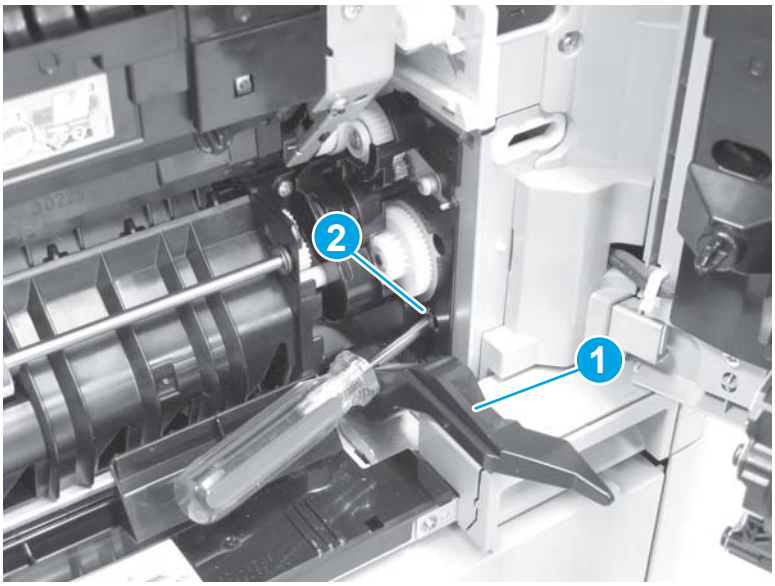
Figure 1-255 Remove the secondary transfer assembly (8 of 10)



10. Press down on the black handle (callout 1), and then Insert a screwdriver into the hole (callout 2) on the Multipurpose tray (Tray 1) drive assembly to hold the black handle in place.

TIP: Using this method to hold the black handle in place will allow you to use both hands to remove the assembly, and will also make reinstalling the assembly easier.

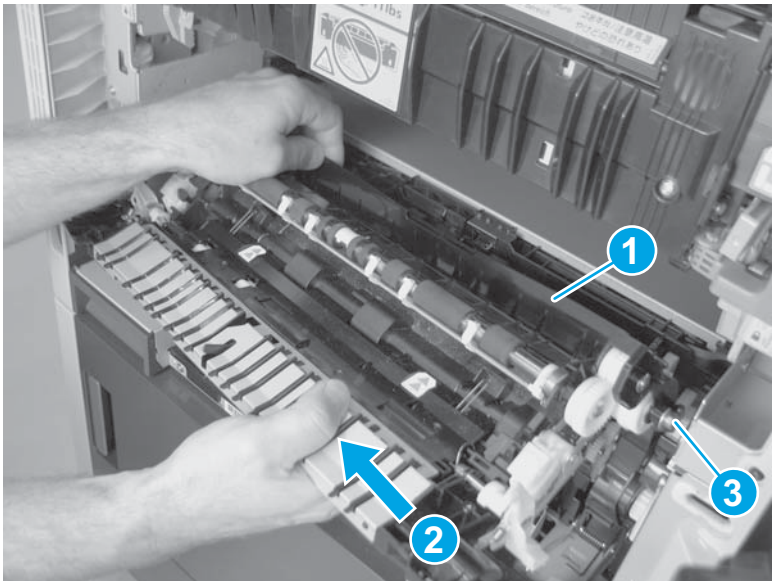
Figure 1-256 Remove the secondary transfer assembly (9 of 10)



11. Carefully press the feed guide (callout 1) toward the back of the product. Grasp the secondary transfer assembly and slide it toward the left (callout 2) to release the shaft (callout 3), and then remove the assembly.

NOTE: Handle the assembly carefully. The registration assembly tension springs and spring mounting blocks at each end of the secondary transfer assembly can be easily dislodged. See Figure 1-258 Reinstall the secondary transfer assembly (1 of 3) on page 181.

Figure 1-257 Remove the secondary transfer assembly (10 of 10)

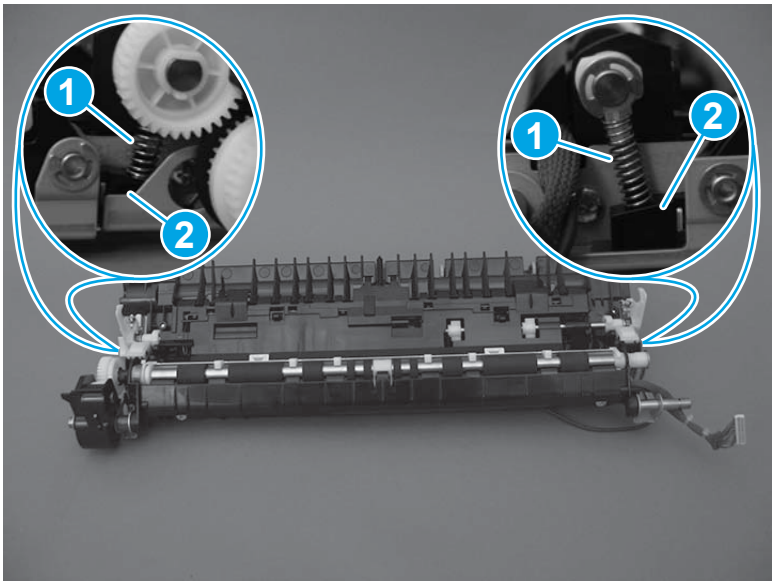


Reinstall the secondary transfer assembly

1. Before reinstalling the secondary transfer assembly, make sure that the registration assembly tension springs (callout 1) and spring mounting blocks (callout 2) at each end of the secondary transfer assembly are correctly positioned.

NOTE: The springs should be straight (as shown below), and not bent or curved.

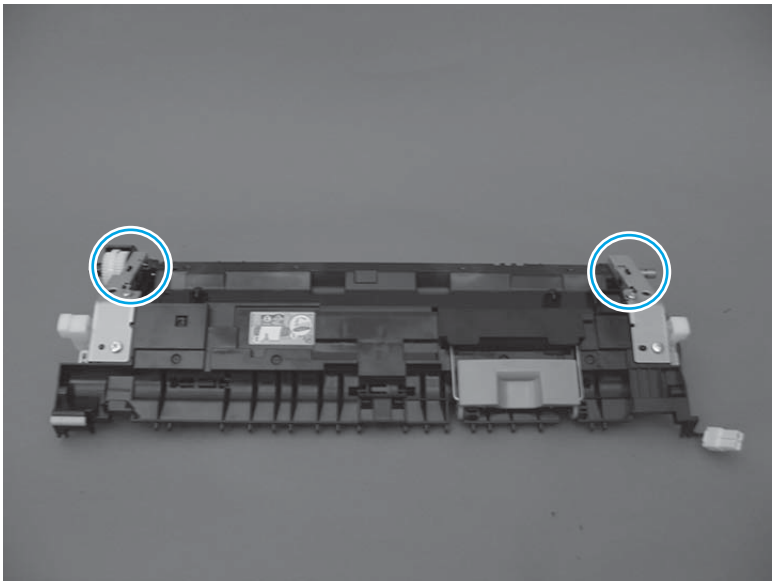
Figure 1-258 Reinstall the secondary transfer assembly (1 of 3)



2. Carefully turn the assembly over, and then make sure that the tabs on the spring mounting blocks are fully seated in the assembly sheet metal.

NOTE: If the secondary transfer assembly is removed or replaced while servicing the product and a **13.B2.DD** error message appears on the control-panel display, remove the assembly and make sure that the registration tension springs and spring mounting blocks are correctly installed.

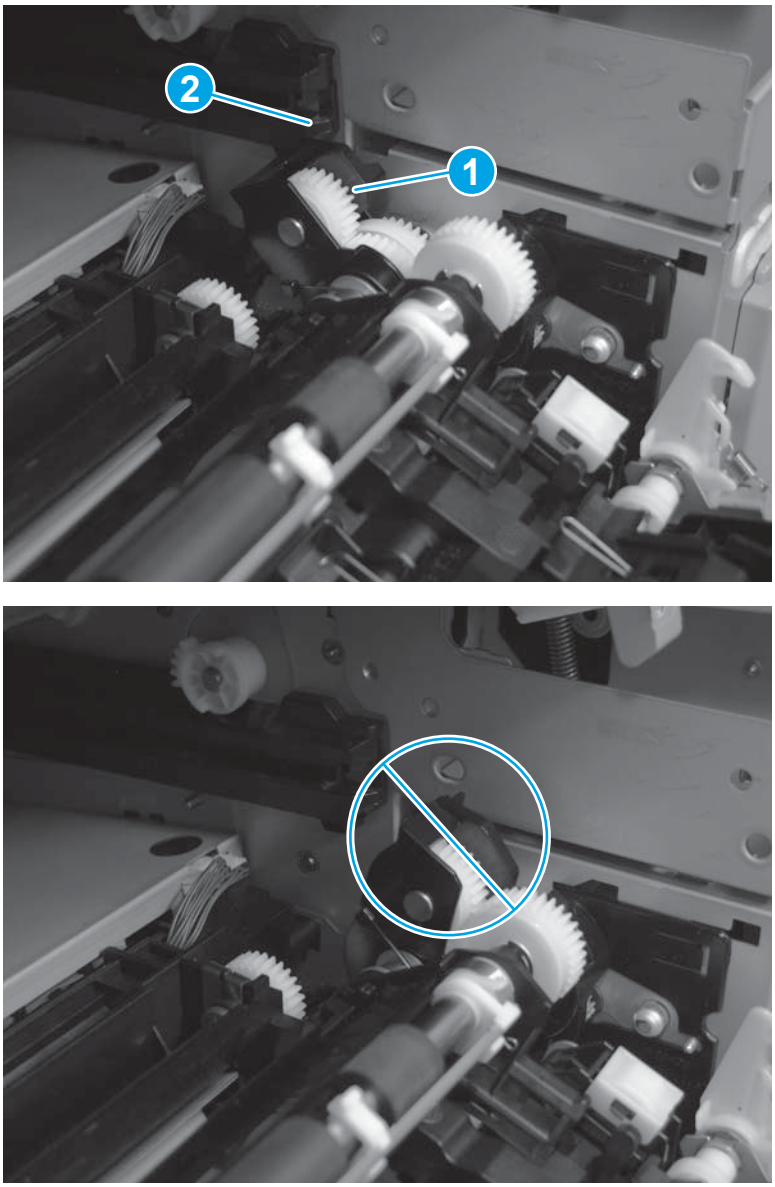
Figure 1-259 Reinstall the secondary transfer assembly (2 of 3)



3. When the secondary transfer assembly is reinstalled, make sure that the gear assembly (callout 1) is placed under the ITB rail (callout 2).

NOTE: To make reinstalling the assembly easier, insert a screwdriver into the hole on the Multipurpose tray (Tray 1) drive assembly to hold the black handle in place. See Figure 1-256 Remove the secondary transfer assembly (9 of 10) on page 180.

Figure 1-260 Reinstall the secondary transfer assembly (3 of 3)



Multipurpose tray (Tray 1) drive assembly

Before proceeding, remove the following assemblies:

- Intermediate transfer belt (ITB). See Intermediate transfer belt (ITB) on page 19.
- Fuser. See Fuser on page 21.
- Secondary transfer assembly. See Secondary transfer assembly on page 175.

Remove the multipurpose tray (Tray 1) drive assembly

1. At the right side of the product, near the lower right corner of the right door, remove one small cover (callout 1).

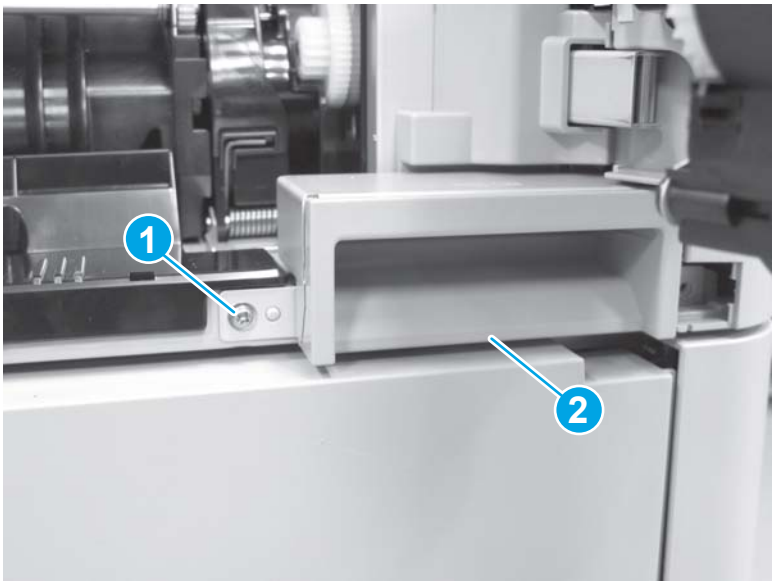
   Figure 1-261 Remove the multipurpose tray (Tray 1) drive assembly (1 of 13)

2. Remove one screw (callout 1).

Figure 1-262 Remove the multipurpose tray (Tray 1) drive assembly (2 of 13)

3. Open the right door, remove one screw (callout 1), and then remove the handle (callout 2).

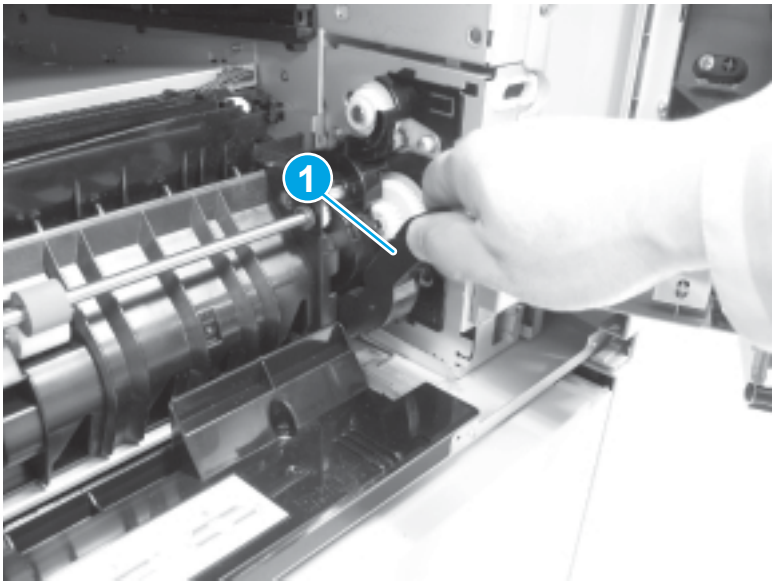
Figure 1-263 Remove the multipurpose tray (Tray 1) drive assembly (3 of 13)



4. Press down on the black handle (callout 1) to release it, and then pull it forward to remove it.

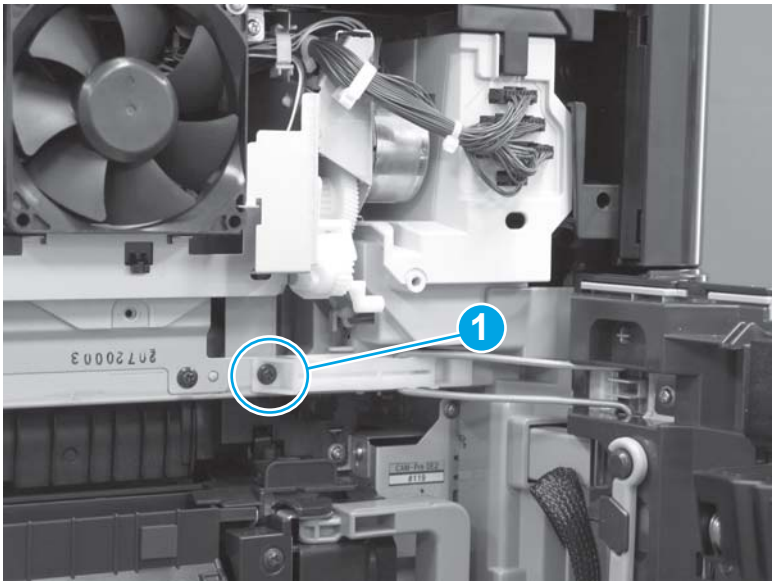
NOTE: The handle is spring loaded. Firmly grasp the handle when it is removed.

Figure 1-264 Remove the multipurpose tray (Tray 1) drive assembly (4 of 13)



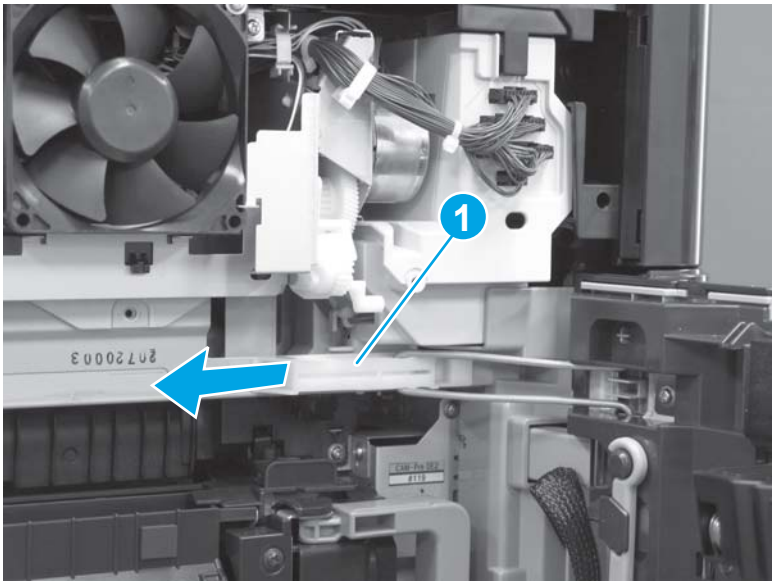
5. Open the right door, and then remove one screw (callout 1).

Figure 1-265 Remove the multipurpose tray (Tray 1) drive assembly (5 of 13)



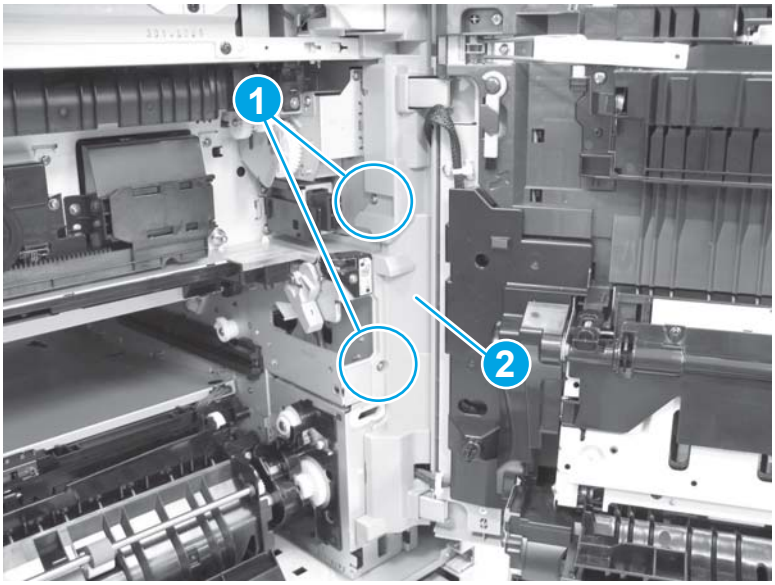
6. Slide the retainer arm and guide (callout 1) to the left to disengage it from the chassis.

Figure 1-266 Remove the multipurpose tray (Tray 1) drive assembly (6 of 13)



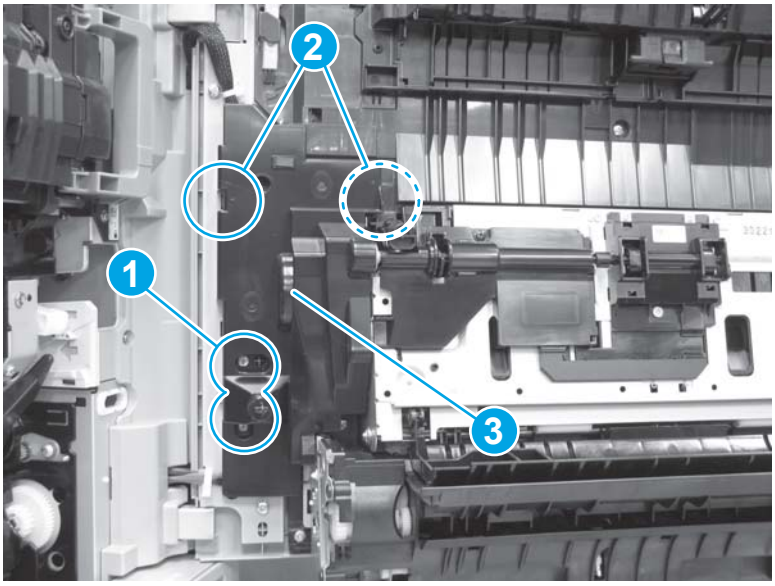
7. Remove two screws (callout 1), and then remove the right-inner cover (callout 2).

Figure 1-267 Remove the multipurpose tray (Tray 1) drive assembly (7 of 13)



8. On the door assembly, remove two self-tapping screws (callout 1), release two tabs (callout 2), and then remove the motor cover (callout 3).

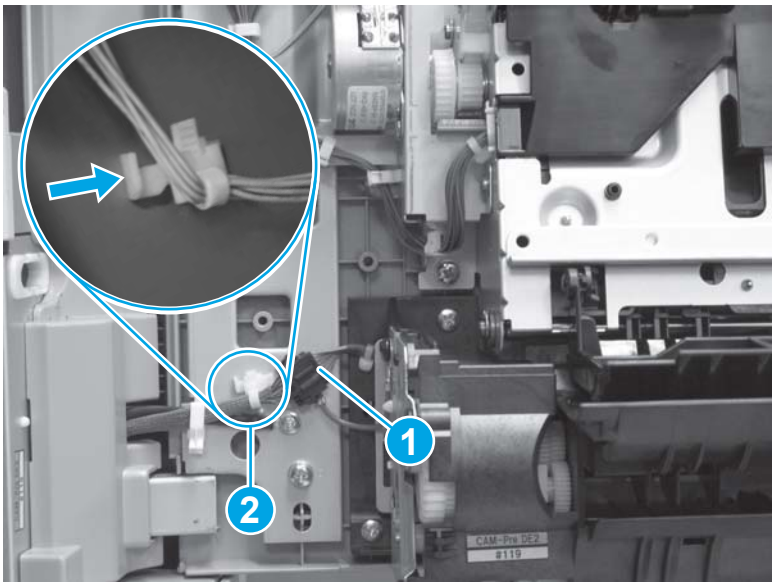
Figure 1-268 Remove the multipurpose tray (Tray 1) drive assembly (8 of 13)



9. Disconnect one connector (callout 1), and then release one wire tie (callout 2).

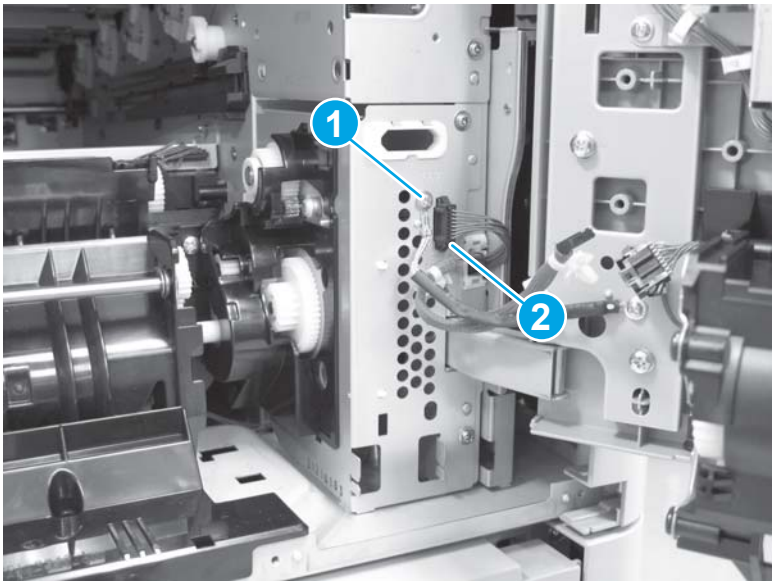
TIP: To release the wire tie (callout 2), push in on the tab, and then remove the wire tie from the door.

Figure 1-269 Remove the multipurpose tray (Tray 1) drive assembly (9 of 13)



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

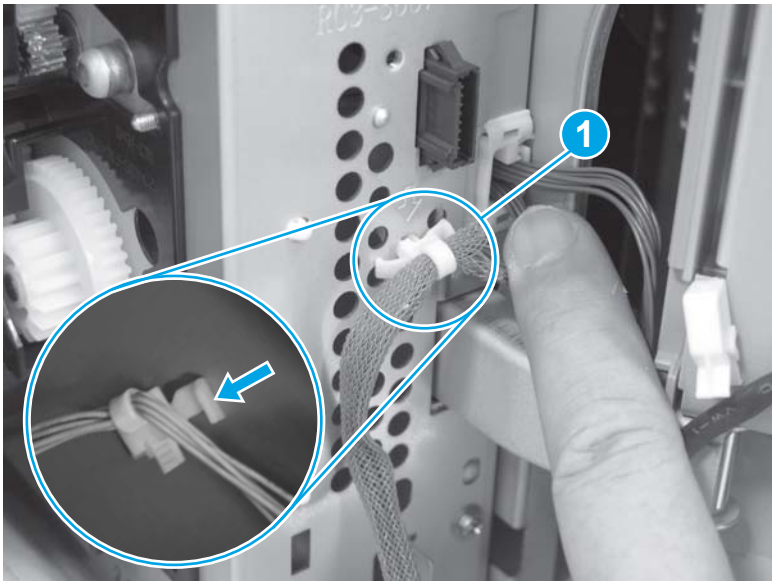
Figure 1-270 Remove the multipurpose tray (Tray 1) drive assembly (10 of 13)



11. Release one wire tie (callout 1).

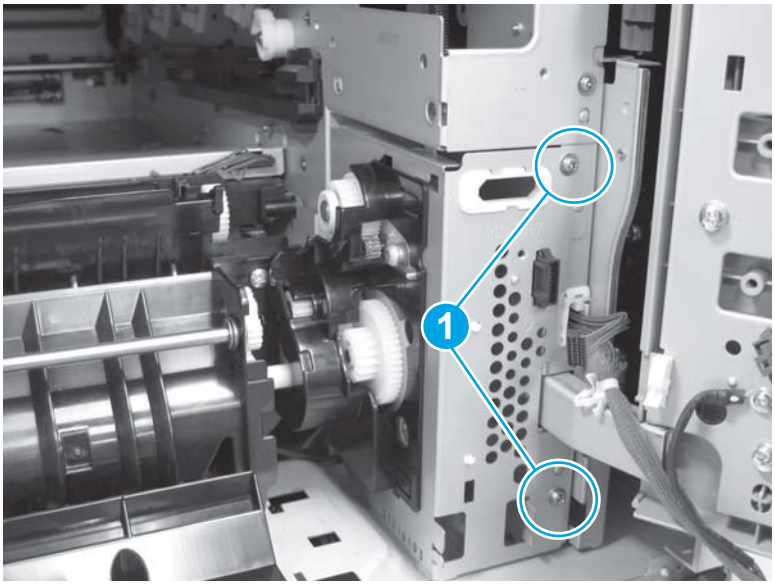
TIP: To release the wire tie, push in on the tab, and then remove the wire tie from the chassis.

Figure 1-271 Remove the multipurpose tray (Tray 1) drive assembly (11 of 13)



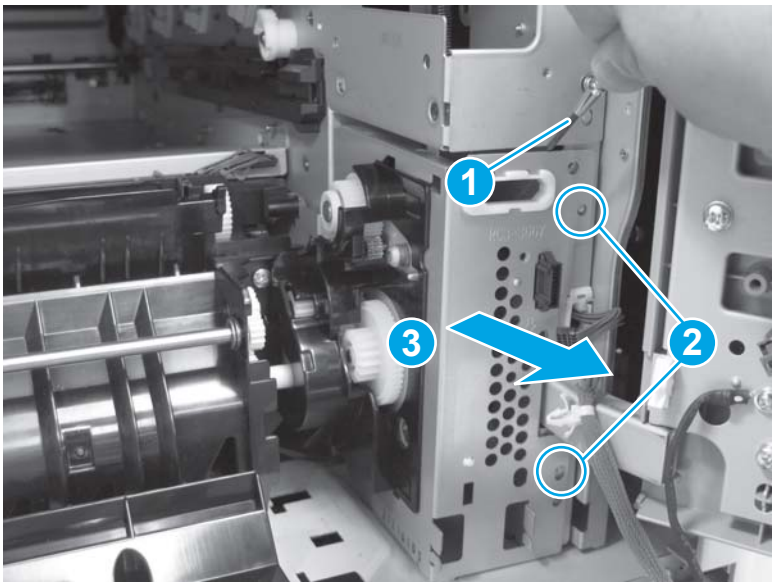
12. Remove two screws (callout 1).

Figure 1-272 Remove the multipurpose tray (Tray 1) drive assembly (12 of 13)



13. Use a small flat-blade screwdriver (callout 1) to carefully release the assembly and two sheet-metal tabs (callout 2), and then remove the assembly (callout 3).

Figure 1-273 Remove the multipurpose tray (Tray 1) drive assembly (13 of 13)



Multipurpose tray (Tray 1) guide assembly

Before proceeding, remove the following assemblies:

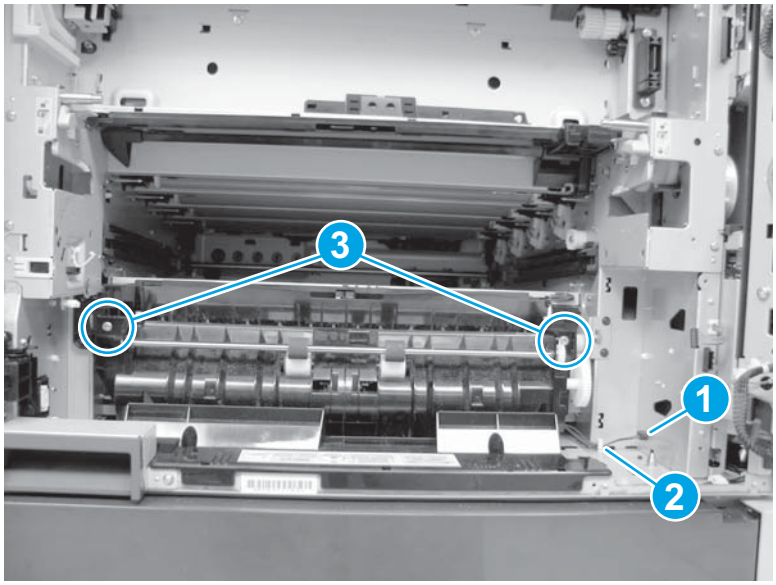
- Secondary transfer roller. See Secondary transfer roller on page 16
- Intermediate transfer belt. See Intermediate transfer belt (ITB) on page 19.
- Fuser. See Fuser on page 21.
- Secondary transfer assembly. See Secondary transfer assembly on page 175.
- Multipurpose tray (Tray 1) drive assembly. See Multipurpose tray (Tray 1) drive assembly on page 183.

Remove the multipurpose tray guide assembly

Disconnect one connector (callout 1), release one wire retainer (callout 2), remove two screws (callout 3), and then remove the multipurpose-tray guide (Tray 1) assembly.

Reinstallation tip Make sure that the connector (callout 1) is securely in place when the assembly is reinstalled.

Figure 1-274 Remove the multipurpose tray guide assembly



Tray 2 pickup unit

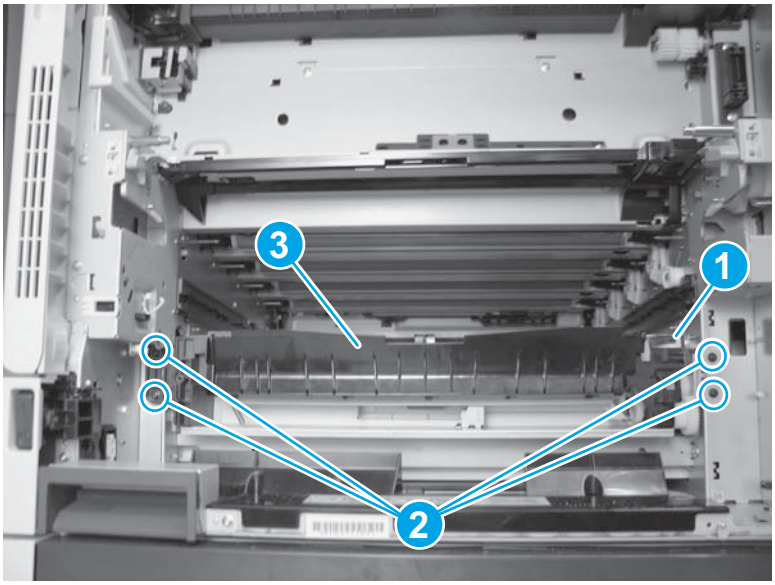
Before proceeding, remove the following assemblies:

- Secondary transfer roller. See Secondary transfer roller on page 16
- Tray 2. See Tray 2, 1x500 Tray 3, 3x500 Tray 3, 3x500 Tray 4, and 3x500 Tray 5 on page 18.
- Intermediate transfer belt. See Intermediate transfer belt (ITB) on page 19.
- Fuser. See Fuser on page 21.
- Secondary transfer assembly. See Secondary transfer assembly on page 175.
- Multipurpose tray (Tray 1) drive assembly. See Multipurpose tray (Tray 1) drive assembly on page 183.
- Multipurpose tray (Tray 1) guide assembly. See Multipurpose tray (Tray 1) guide assembly on page 190.

Remove the Tray 2 pickup assembly

Disconnect one connector (callout 1), remove four screws (callout 2), and then remove the Tray 2 pickup assembly (callout 3).

Figure 1-275 Remove the Tray 2 pickup assembly



Fuser home position sensor

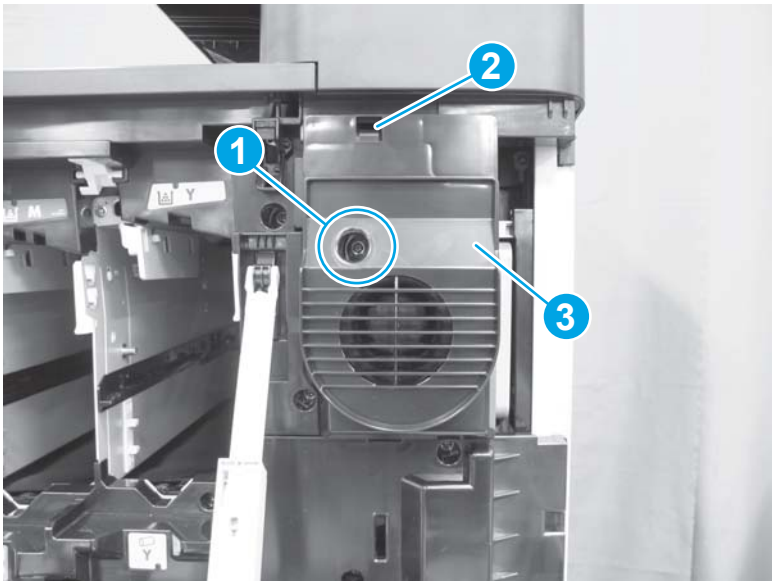
Before proceeding, remove the following assemblies:

- Fuser. See Fuser on page 21.

Remove the fuser home position sensor

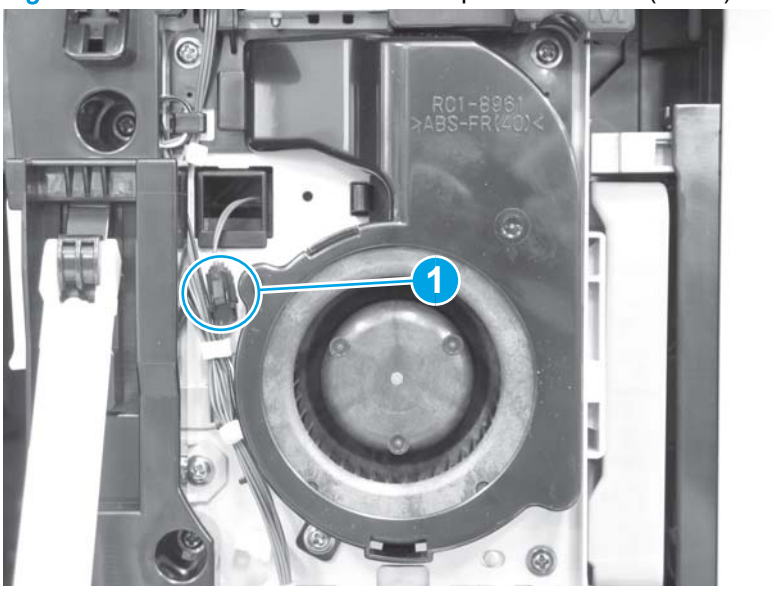
1. Open the front door, remove one screw (callout 1), release one tab (callout 2), and then remove the delivery fan cover (callout 3).

   Figure 1-276 Remove the fuser home position sensor (1 of 3)

2. Disconnect one connector (callout 1).

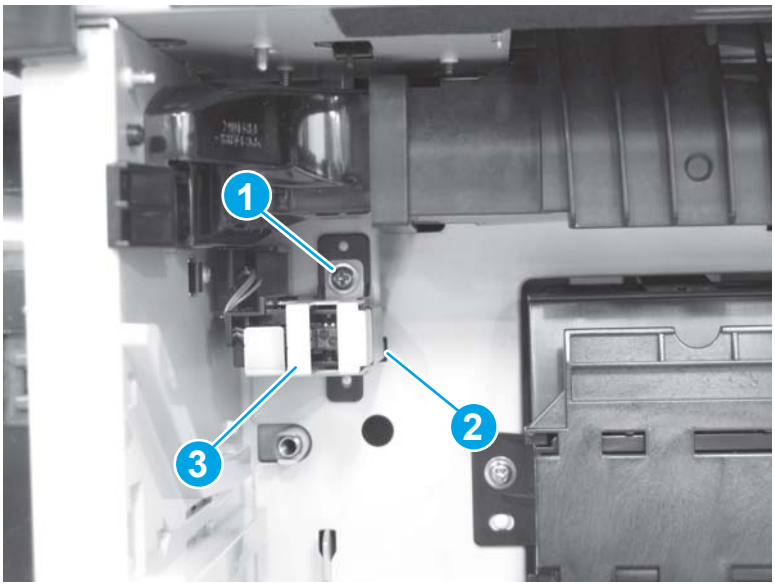
   Figure 1-277 Remove the fuser home position sensor (2 of 3)

3. Open the right door, remove one screw (callout 1), release one tab (callout 2), and then remove the sensor assembly (callout 3).

CAUTION: As the assembly is removed, guide the wire harness through the opening in the chassis from the front of the product.

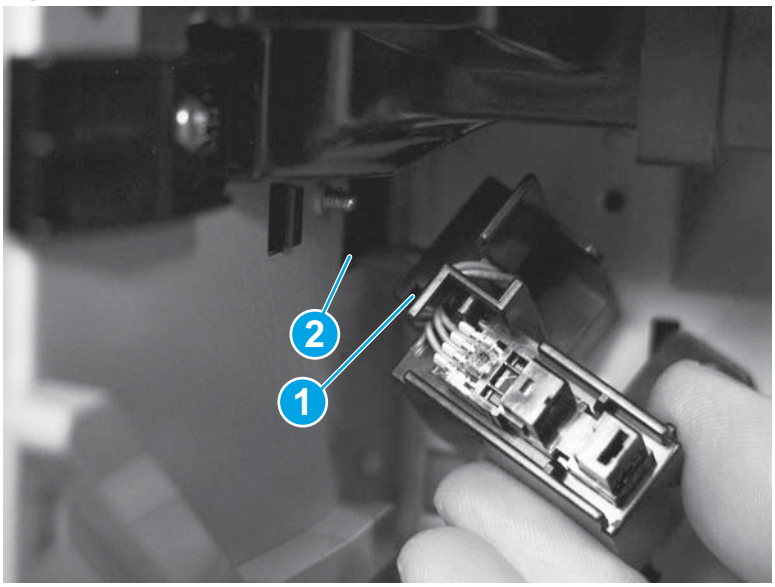
Figure 1-278 Remove the fuser home position sensor (3 of 3)



Reinstall the fuser home position sensor

As the assembly is reinstalled, guide the wire harness through the opening in the chassis to the front of the product, and then make sure that the tab on the sensor (callout 1) is installed in the opening (callout 2) in the chassis.

Figure 1-279 Reinstall the fuser home position sensor



Shutter gear holder assembly

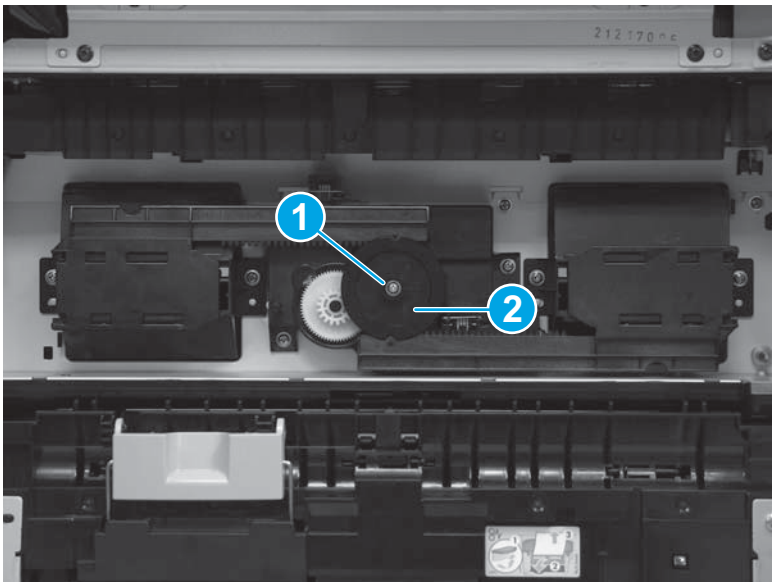
Before proceeding, remove the following assemblies:

- Fuser. See Fuser on page 21.

Remove the shutter gear holder assembly

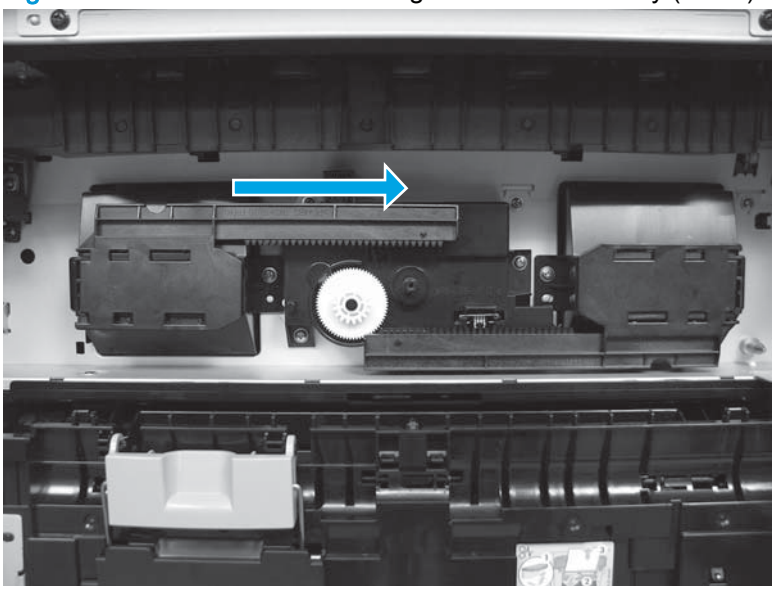
1. Open the right door, remove one screw (callout 1), and then remove one gear (callout 2).

Figure 1-280 Remove the shutter gear holder assembly (1 of 5)



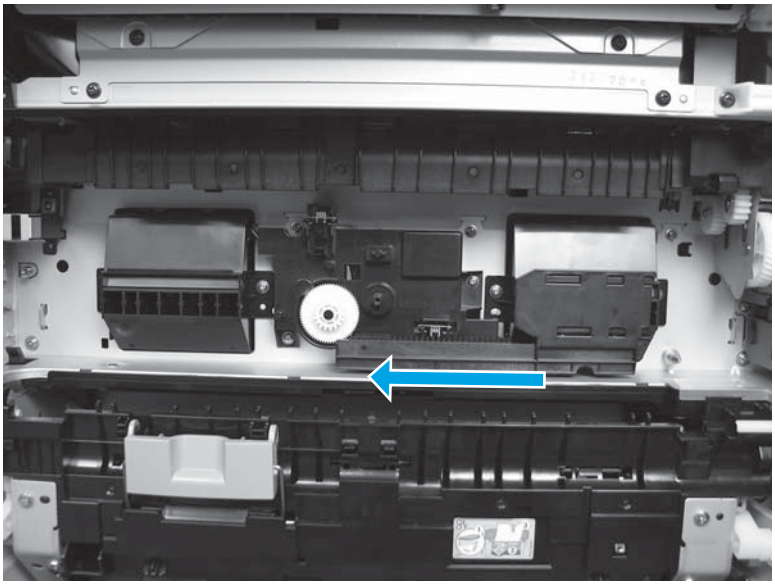
2. Slide the left shutter toward the back of the product to remove it.

Figure 1-281 Remove the shutter gear holder assembly (2 of 5)



3. Slide the right shutter toward the front of the product to remove it.

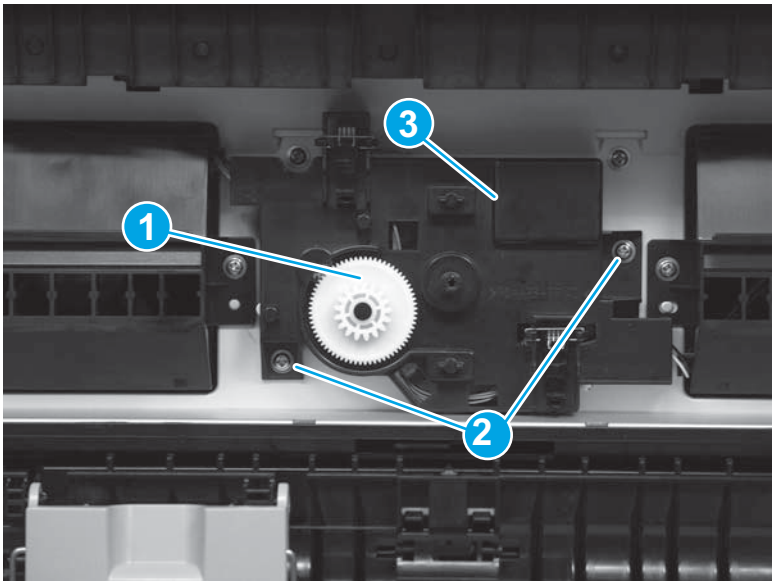
Figure 1-282 Remove the shutter gear holder assembly (3 of 5)



4. Remove one gear (callout 1), remove two screws (callout 2), and then separate the gear assembly (callout 3) from the chassis.

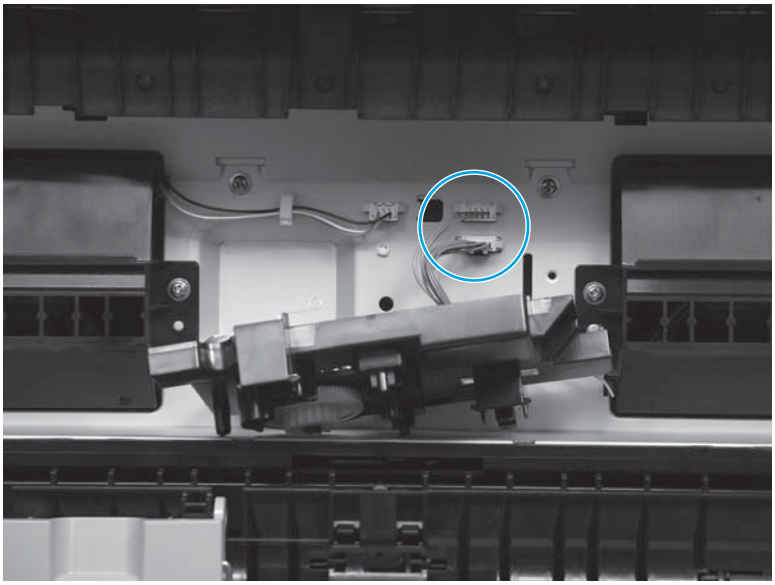
⚠ CAUTION: The assembly is still connected to the product by a wire harness. Do not attempt to completely remove the assembly.

Figure 1-283 Remove the shutter gear holder assembly (4 of 5)



5. Disconnect two connectors.

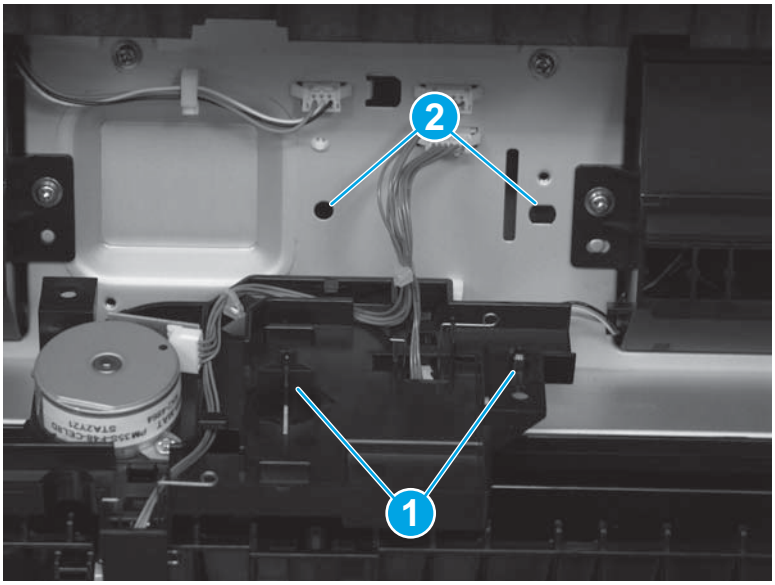
Figure 1-284 Remove the shutter gear holder assembly (5 of 5)



Reinstall the shutter gear holder assembly

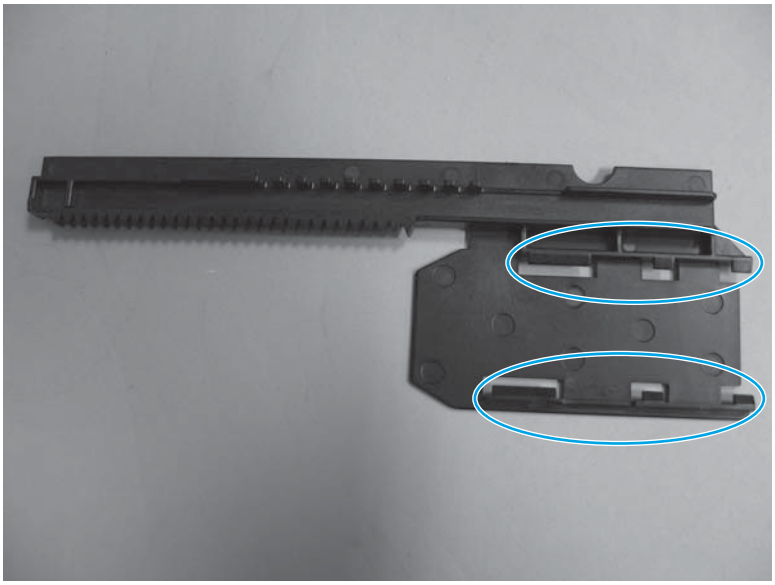
1. Align the round tabs (callout 1) on the back of the shutter gear holder assembly with the slots (callout 2) in the chassis.

Figure 1-285 Reinstall the shutter gear holder assembly (1 of 6)



2. Note the location of the guides on the back of the shutters.

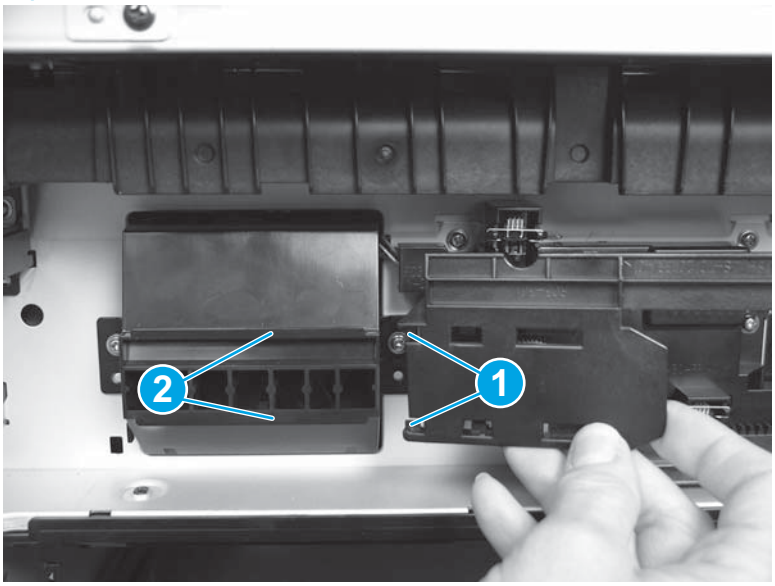
Figure 1-286 Reinstall the shutter gear holder assembly (2 of 6)



3. Make sure that the guides (callout 1) on the shutters align with the rails (callout 2) so that they slide freely.

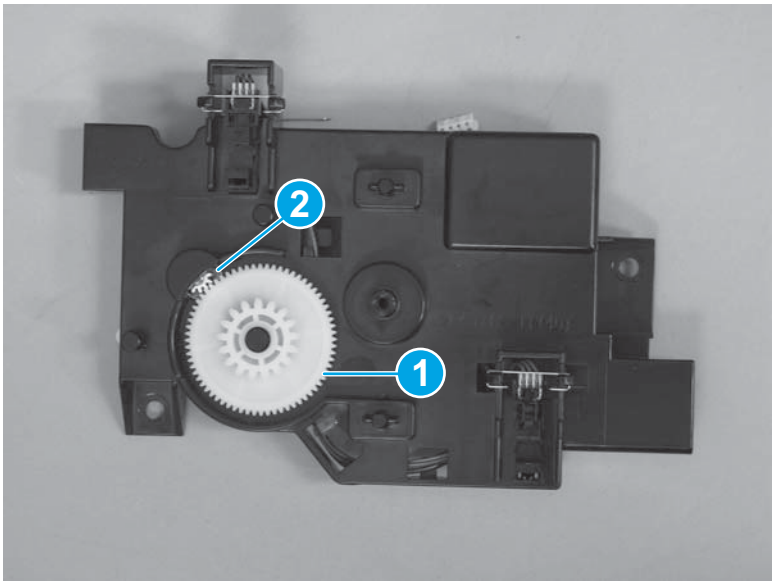
NOTE: The left shutter is shown below. The procedure is the same for the right shutter.

Figure 1-287 Reinstall the shutter gear holder assembly (3 of 6)



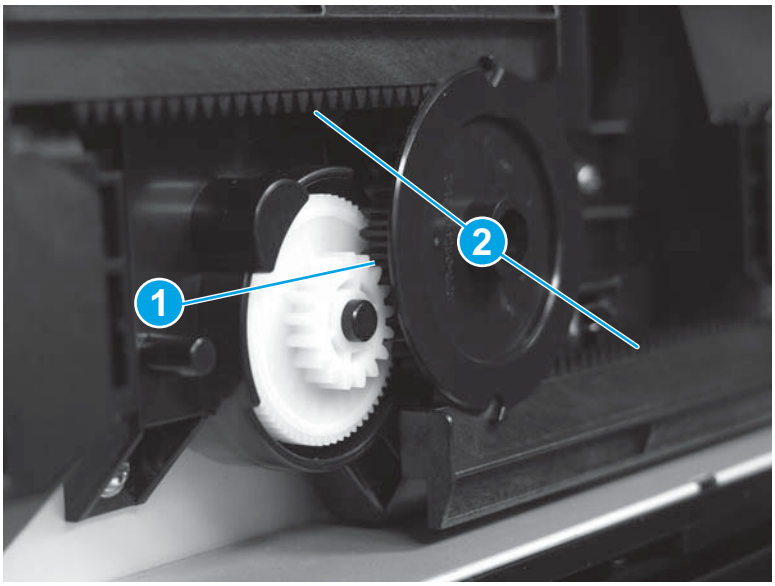
4. When the white gear (callout 1) is reinstalled, position the gear back in the assembly so that the teeth on the white gear align with the teeth on the smaller gear (callout 2).

Figure 1-288 Reinstall the shutter gear holder assembly (4 of 6)



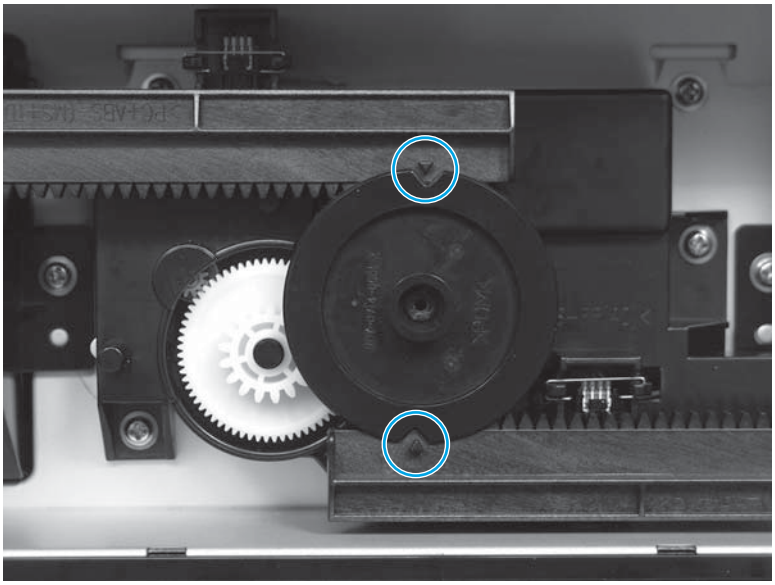
5. When replacing the black gear, make sure that the teeth on the black gear align with the teeth on the white gear (callout 1). Also make sure that the teeth on the shutters (callout 2) align with the teeth on the black gear.

Figure 1-289 Reinstall the shutter gear holder assembly (5 of 6)



6. Make sure that the arrows on the shutters align with the notches in the gear.

Figure 1-290 Reinstall the shutter gear holder assembly (6 of 6)



Fuser-edge area cooling fan FM10 (front)

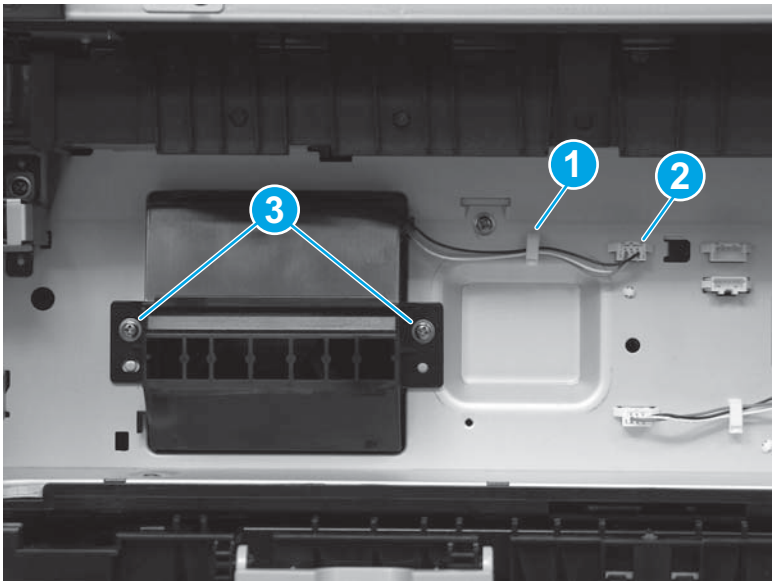
Before proceeding, remove the following assemblies:

- Fuser. See Fuser on page 21.
- Shutter gear holder assembly. See Shutter gear holder assembly on page 194.

Remove the fuser-edge area cooling fan FM10 (front)

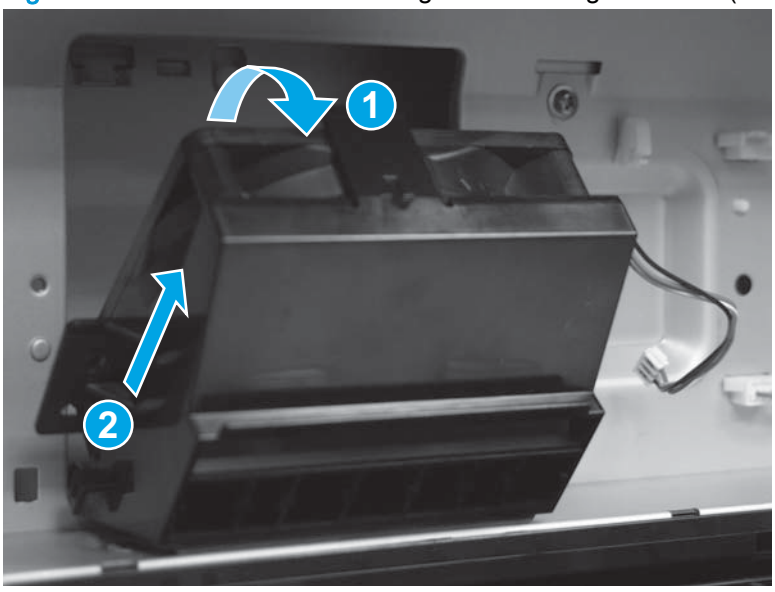
1. Release the wire harness from one retainer (callout 1), disconnect one connector (callout 2), and then remove two screws (callout 3).

   Figure 1-291 Remove the fuser-edge area cooling fan FM10 (front; 1 of 3)

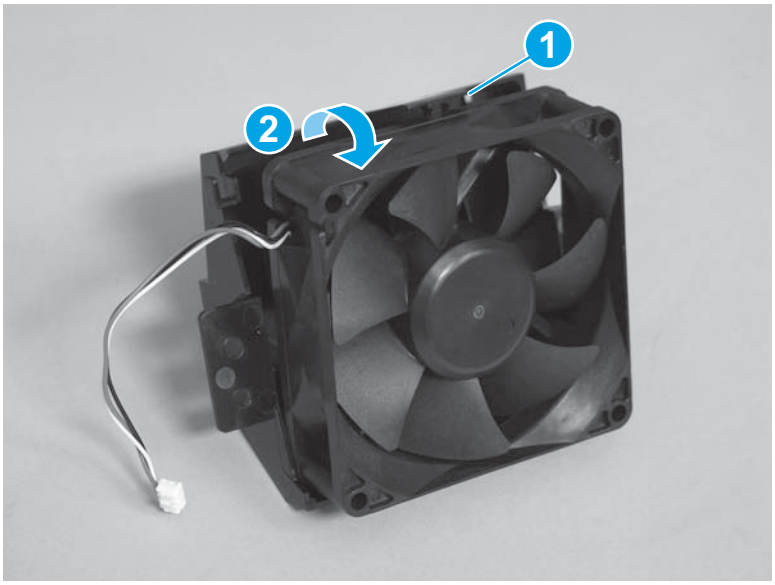
2. Rotate the top of the fan away from the chassis (callout 1), and then lift it up and away from the product (callout 2) to remove it.

   Figure 1-292 Remove the fuser-edge area cooling fan FM10 (front; 2 of 3)

3. To remove the fan from the holder, release one tab (callout 1) and then rotate the top of the fan (callout 2) out of the holder to remove it.

Figure 1-293 Remove the fuser-edge area cooling fan FM10 (front; 3 of 3)

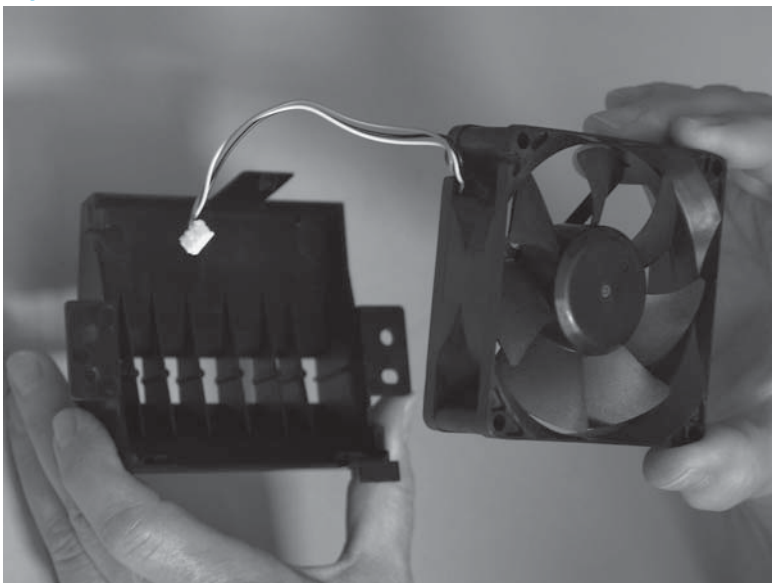


Reinstall the fuser-edge area cooling fan FM10 (front)

1. Make sure that the fan is oriented as shown below when reinstalling it in the holder.

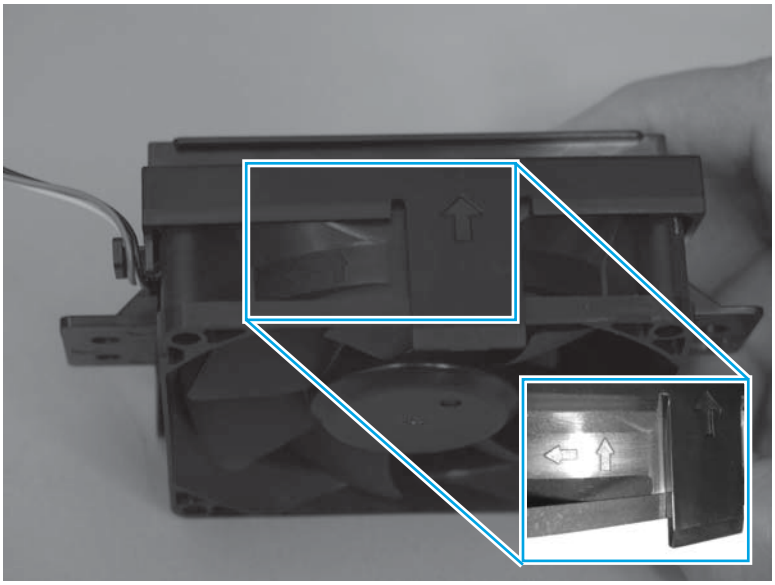
NOTE: The label in the center of the fan should be facing inward, toward the holder.

Figure 1-294 Reinstall the fuser-edge area cooling fan FM10 (front; 1 of 3)



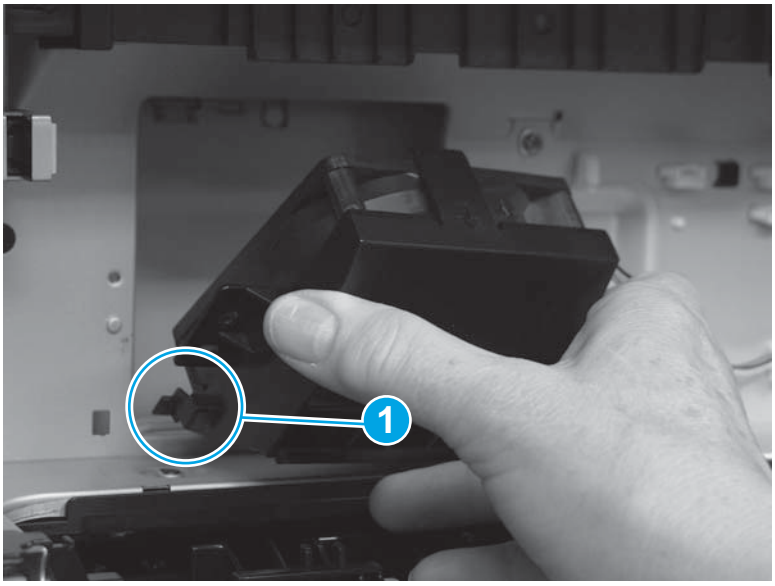
2. The embossed arrows on the fan must point into the chassis and to the left (toward the wire harness) when the fan and holder are installed in the product.

Figure 1-295 Reinstall the fuser-edge area cooling fan FM10 (front; 2 of 3)



3. When reinstalling the fan, make sure that the tab is installed first and that it fits behind the sheet metal (callout 1).

Figure 1-296 Reinstall the fuser-edge area cooling fan FM10 (front; 3 of 3)



Fuser-edge area cooling fan FM9 (rear)

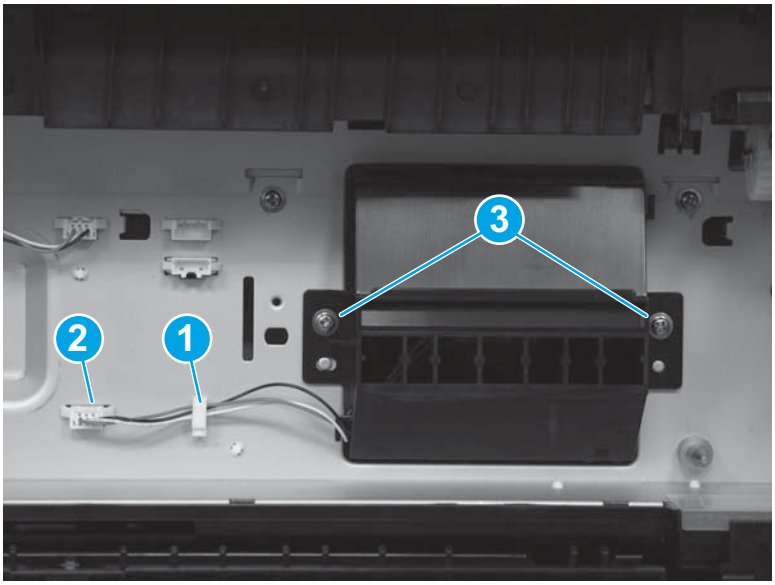
Before proceeding, remove the following assemblies:

- Fuser. See Fuser on page 21.
- Shutter gear holder assembly. See Shutter gear holder assembly on page 194.

Remove the fuser-edge area cooling fan FM9 (rear)

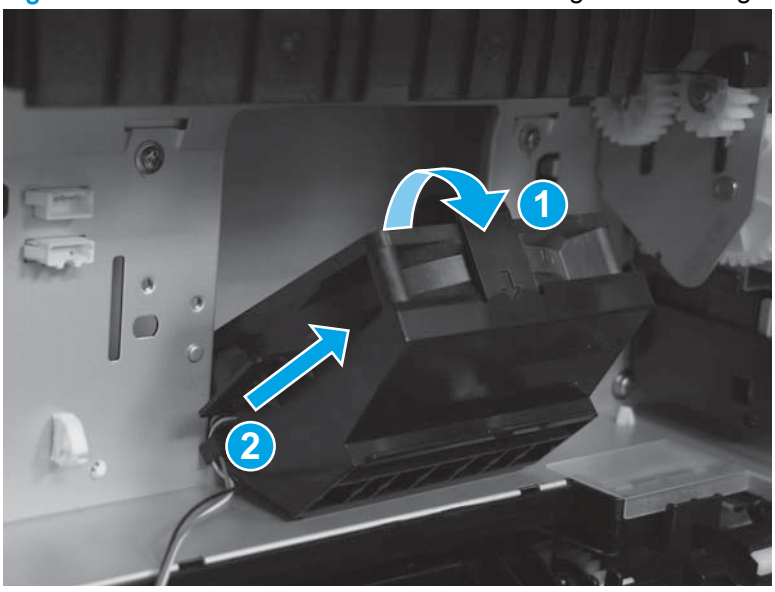
1. Release the wire harness from one retainer (callout 1), disconnect one connector (callout 2), and then remove two screws (callout 3).

   Figure 1-297 Remove the fuser-edge area cooling fan FM9 (rear; 1 of 3)

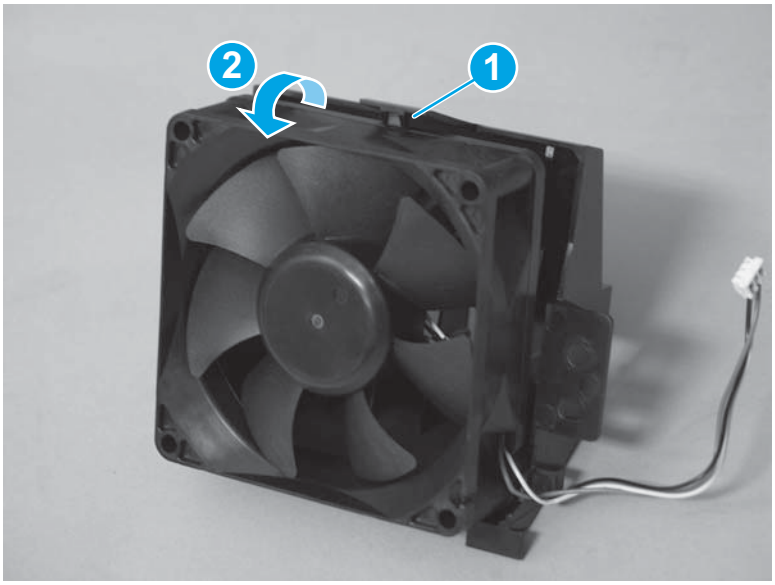
2. Rotate the top of the fan away from the chassis (callout 1), and then lift it up and away from the product (callout 2) to remove it.

   Figure 1-298 Remove the Remove the fuser-edge area cooling fan FM9 (rear; 2 of 3)

3. To remove the fan from the holder, release one tab (callout 1) and then rotate the top of the fan out of the holder (callout 2) to remove it.

Figure 1-299 Remove the fuser-edge area cooling fan FM9 (rear; 3 of 3)

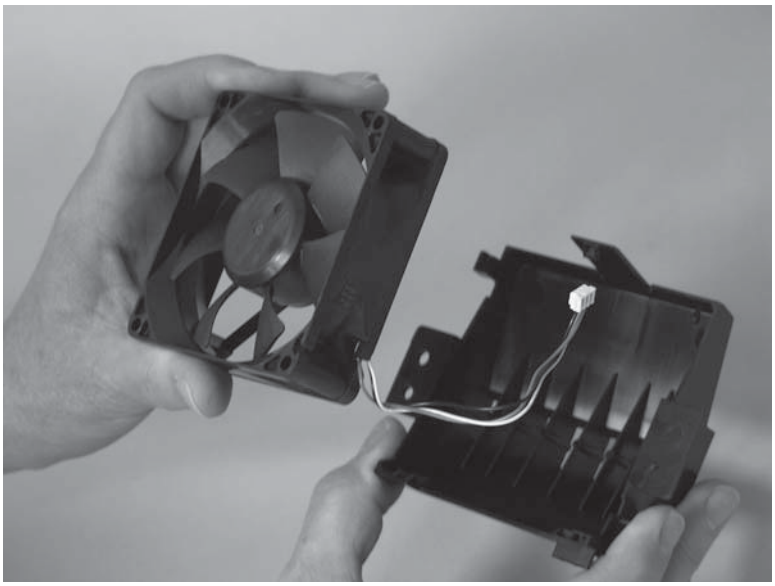


Reinstall the fuser-edge area cooling fan FM9 (rear)

1. Make sure that the fan is oriented as shown below when reinstalling it in the holder.

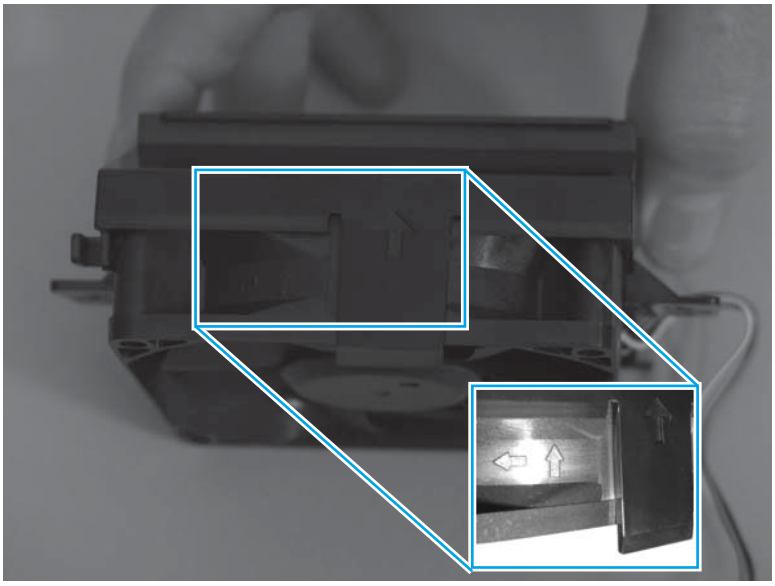
NOTE: The label in the center of the fan should be facing inward, toward the holder.

Figure 1-300 Reinstall the fuser-edge area cooling fan FM9 (rear; 1 of 3)



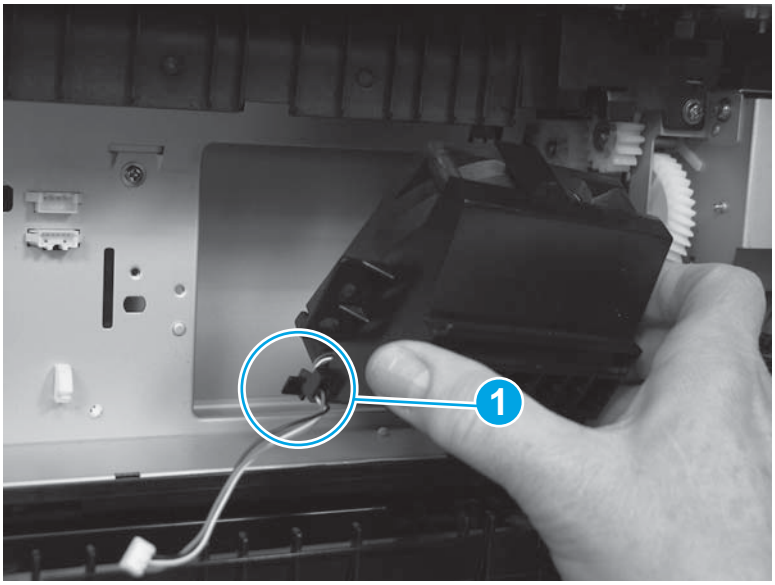
2. The embossed arrows on the fan must point into the chassis and to the left (away from the wire harness) when the fan and holder are installed in the product.

Figure 1-301 Reinstall the fuser-edge area cooling fan FM9 (rear; 2 of 3)



3. When reinstalling the left fuser cooling fan, make sure that the tab is installed first and that it fits behind the sheet metal (callout 1).

Figure 1-302 Reinstall the fuser-edge area cooling fan FM9 (rear; 3 of 3)



Fuser fan FM2

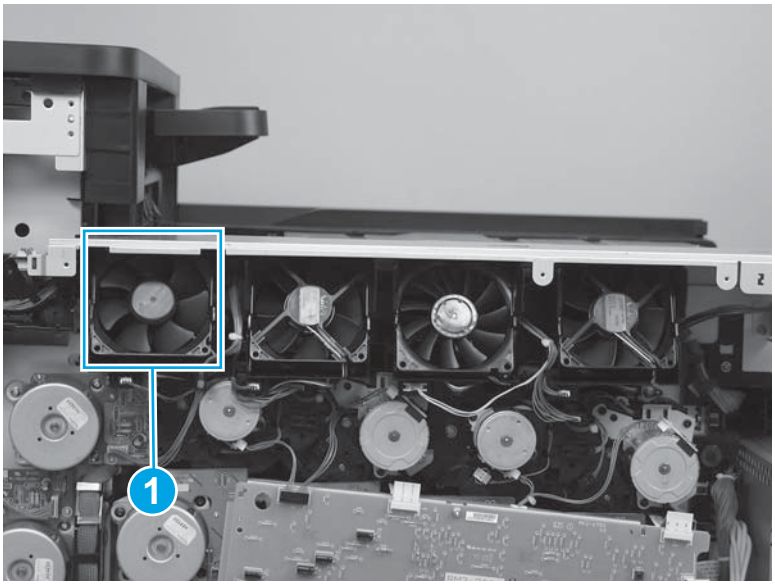
Before proceeding, remove the following assemblies:

- Left rear cover. See Left rear cover on page 104.
- Rear cover. See Rear cover on page 143.

Remove the fuser fan FM2

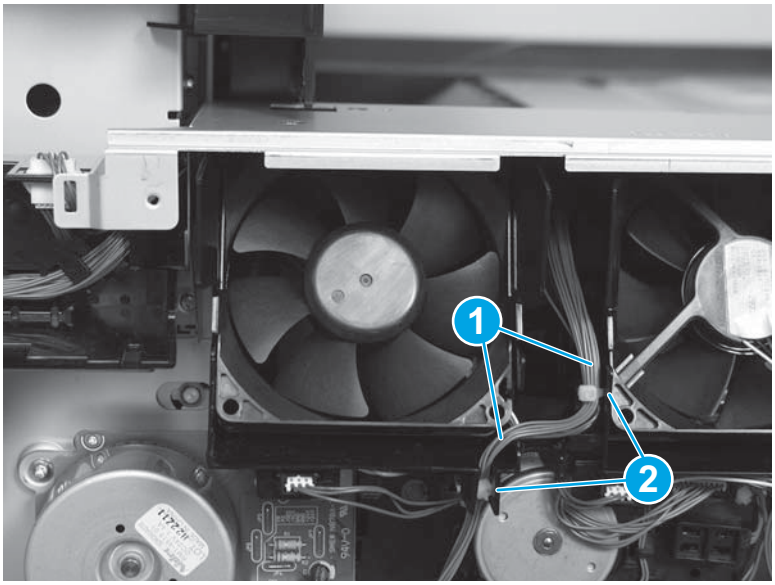
1. Locate the fuser fan (callout 1).

Figure 1-303 Remove the fuser fan FM2 (1 of 5)



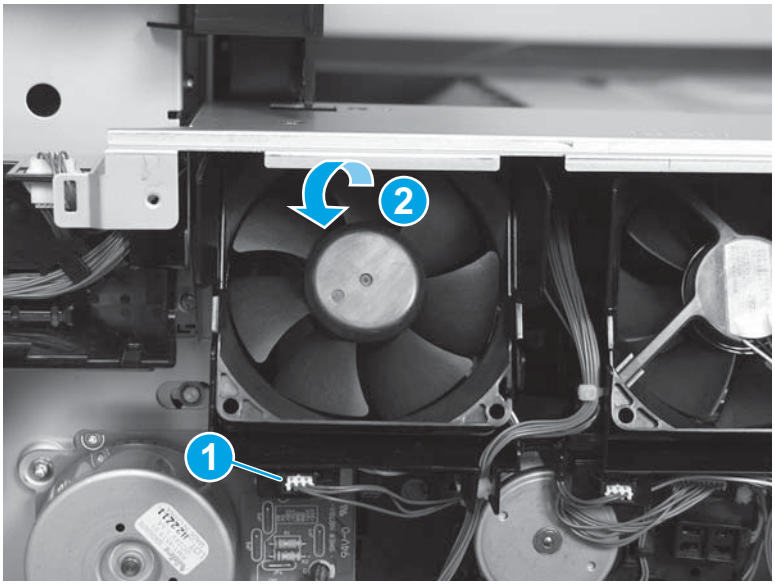
2. Release the wire harness (callout 1) from the guides (callout 2).

Figure 1-304 Remove the fuser fan FM2 (2 of 5)



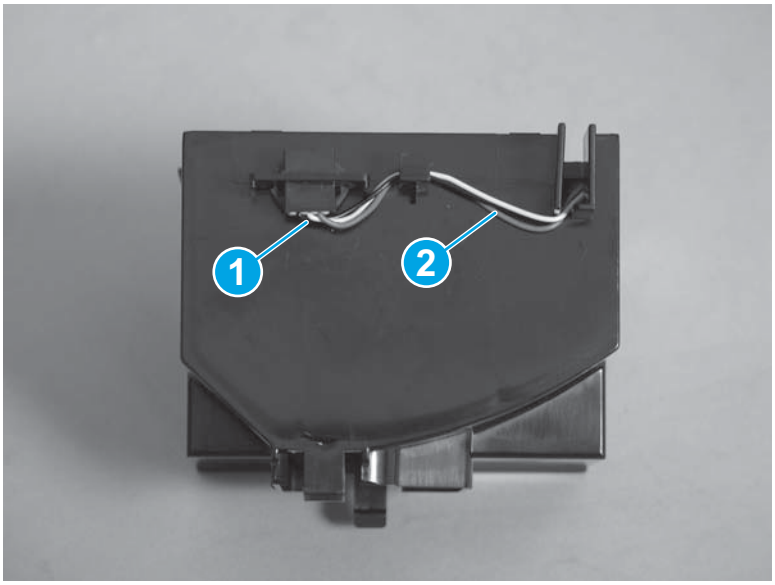
3. Disconnect one connector (callout 1), and then rotate the fan assembly out and down (callout 2) to remove it.

Figure 1-305 Remove the fuser fan FM2 (3 of 5)



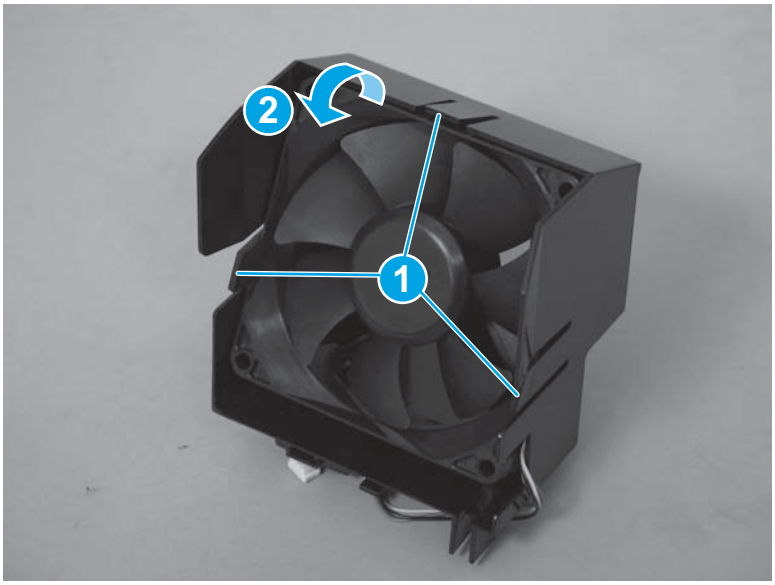
4. Disconnect one connector (callout 1) on the fan holder, and then release the wire harness (callout 2) from the guides.

Figure 1-306 Remove the fuser fan FM2 (4 of 5)



5. Release three tabs (callout 1), and then rotate the fuser fan (callout 2) out of the fan holder.

Figure 1-307 Remove the fuser fan FM2 (5 of 5)

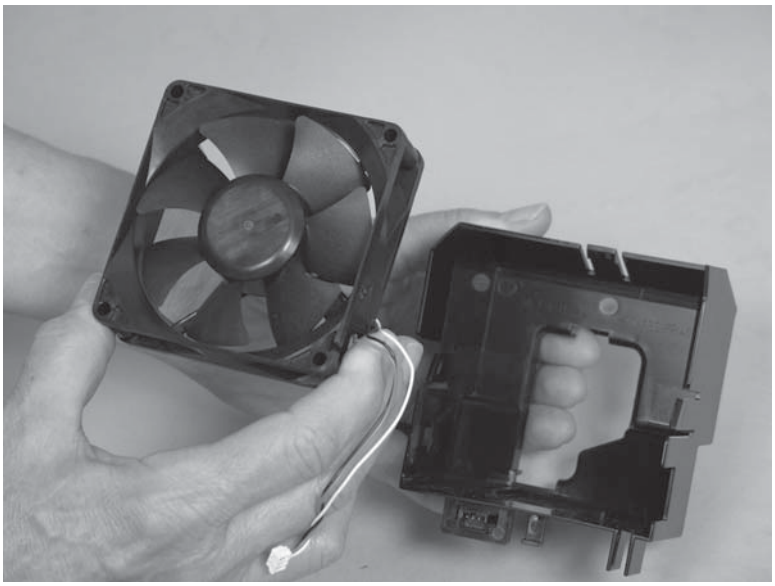


Reinstall the fuser fan FM2

1. Make sure that the fan is oriented as shown below when reinstalling it in the holder.

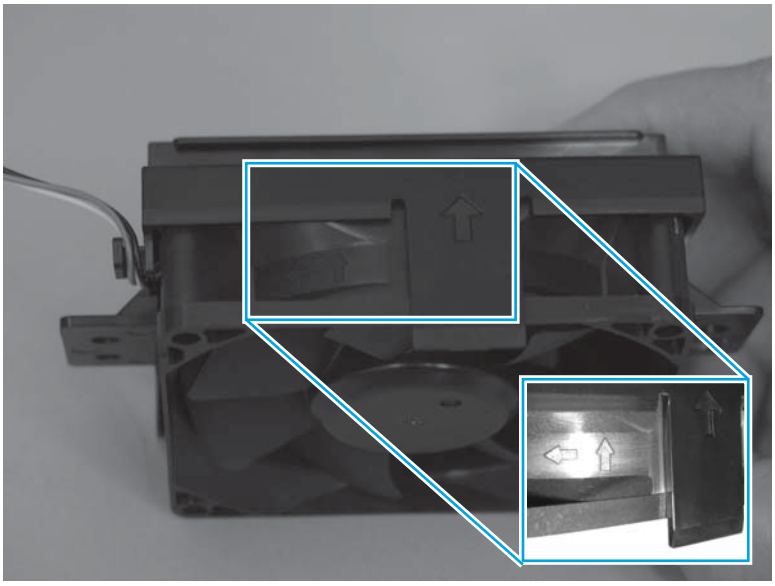
NOTE: The label in the center of the fan should be facing inward, toward the holder.

Figure 1-308 Reinstall the fuser fan FM2 (1 of 3)



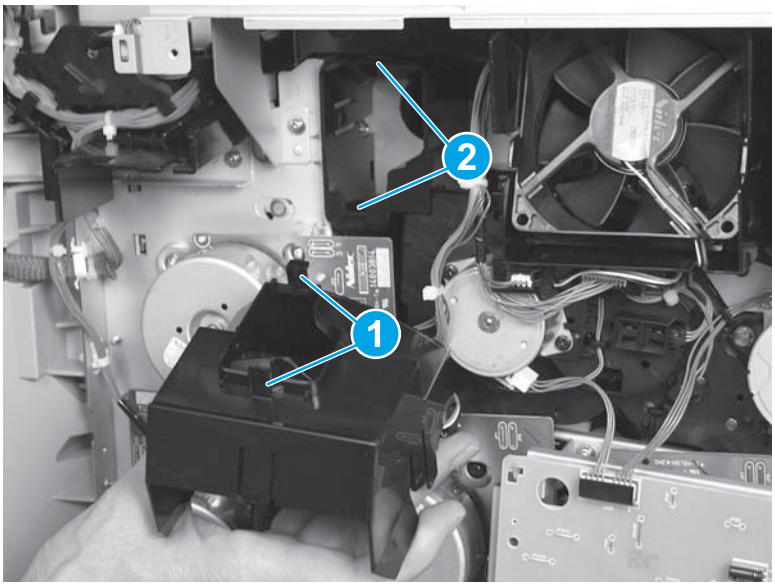
2. The embossed arrows on the fan must point into the chassis and to the left (toward the wire harness) when the fan and holder are installed in the product.

Figure 1-309 Reinstall the fuser fan FM2 (2 of 3)



3. When reinstalling the fuser fan assembly, make sure that the tabs (callout 1) on the holder are installed in the slots (callout 2) on the chassis.

Figure 1-310 Reinstall the fuser fan FM2 (3 of 3)



Fuser fan duct

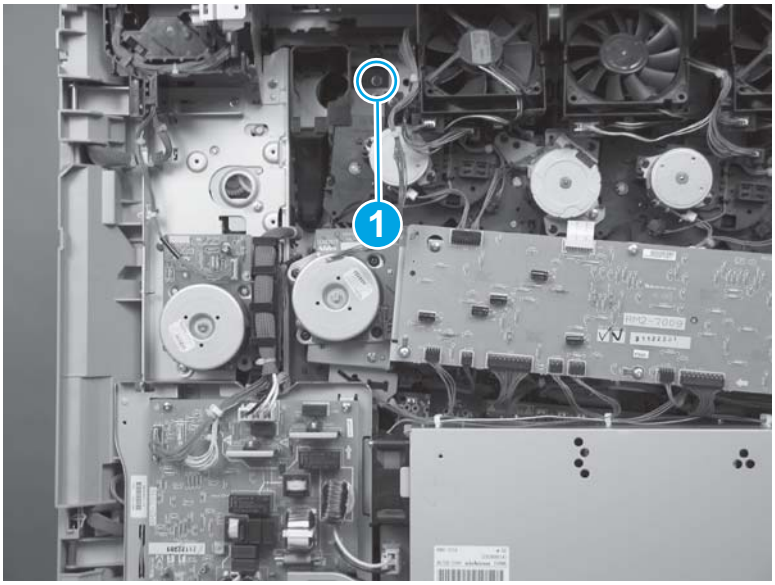
Before proceeding, remove the following assemblies:

- Left rear cover. See Left rear cover on page 104.
- Rear cover. See Rear cover on page 143.
- Fuser fan FM2. See Fuser fan FM2 on page 207.
- Fuser motor. See Fuser motor on page 242.

Remove the fuser fan duct

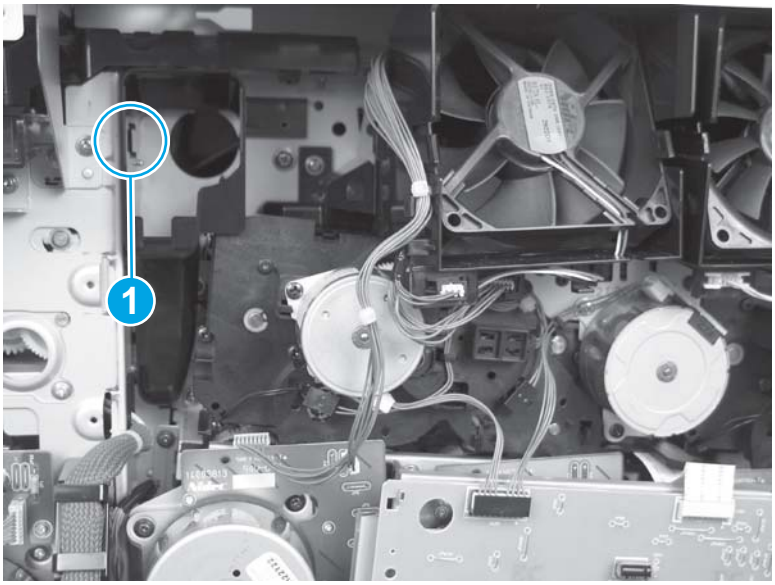
1. Remove one screw (callout 1).

Figure 1-311 Remove the fuser fan duct (1 of 3)



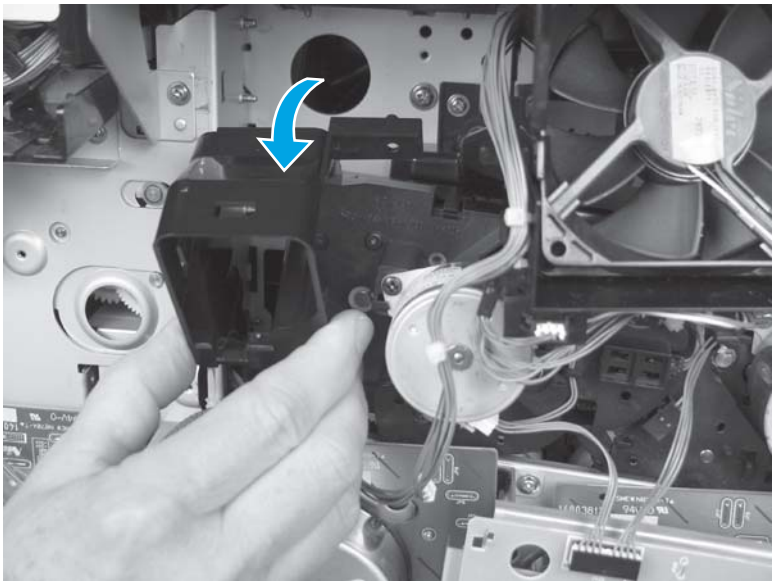
2. Release one tab (callout 1).

Figure 1-312 Remove the fuser fan duct (2 of 3)



3. Rotate the top of the fuser fan duct away from the product to remove it.

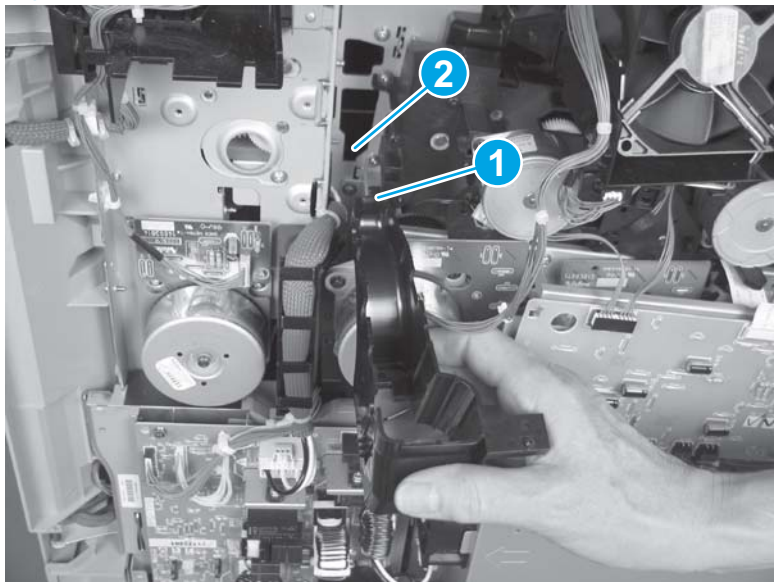
Figure 1-313 Remove the fuser fan duct (3 of 3)



Reinstall the fuser fan duct

Insert the tab (callout 1) on the duct into the slot (callout 2) on the chassis before rotating the duct into position.

Figure 1-314 Reinstall the fuser fan duct



Cartridge fan FM3 (yellow and magenta)

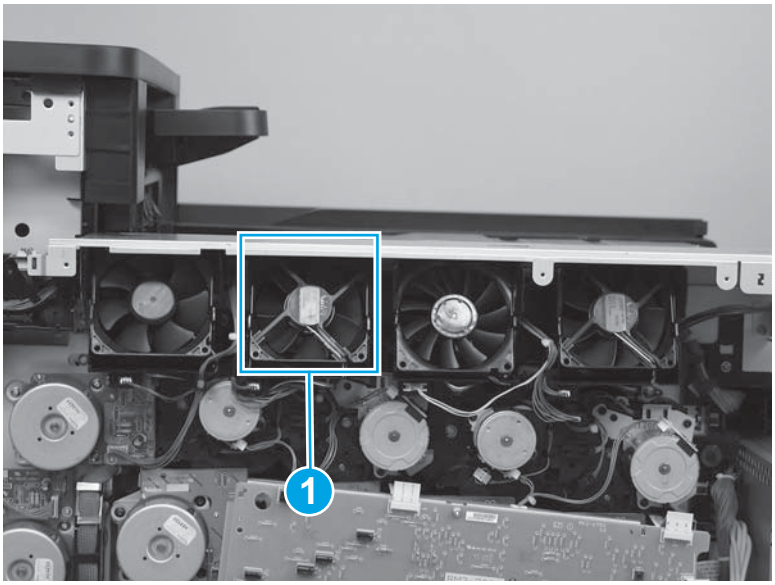
Before proceeding, remove the following assemblies:

- Left rear cover. See Left rear cover on page 104.
- Rear cover. See Rear cover on page 143.

Remove the cartridge fan FM3 (yellow and magenta)

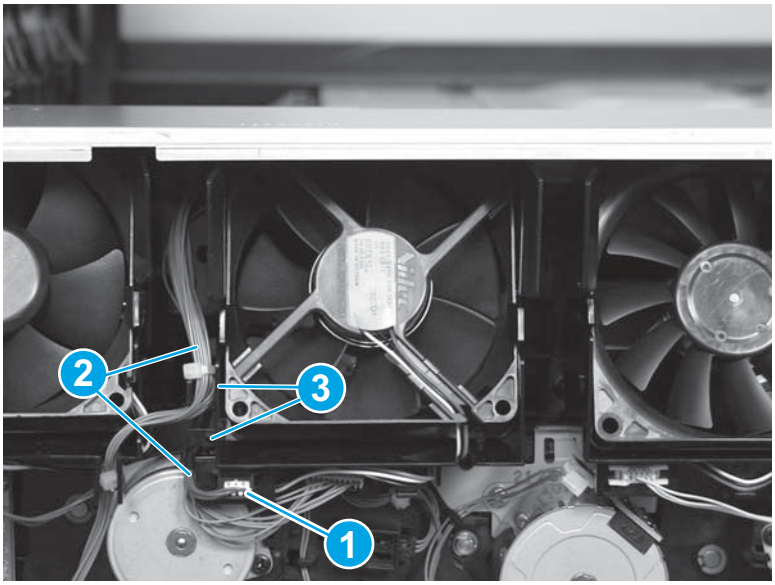
1. Locate the cartridge fan (yellow and magenta; callout 1).

   Figure 1-315 Remove the cartridge fan FM3 (yellow and magenta; 1 of 5)

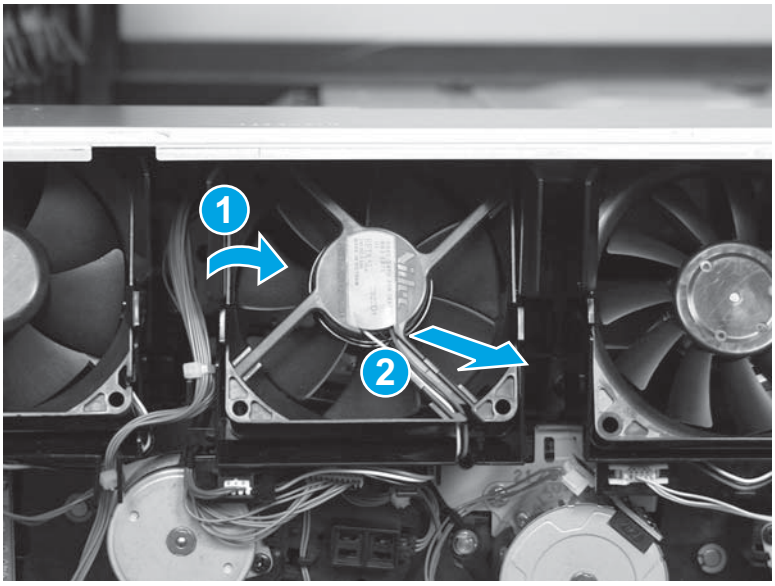
2. Disconnect one connector (callout 1), and then release the wire harnesses (callout 2) from the guides (callout 3).

   Figure 1-316 Remove the cartridge fan FM3 (yellow and magenta; 2 of 5)

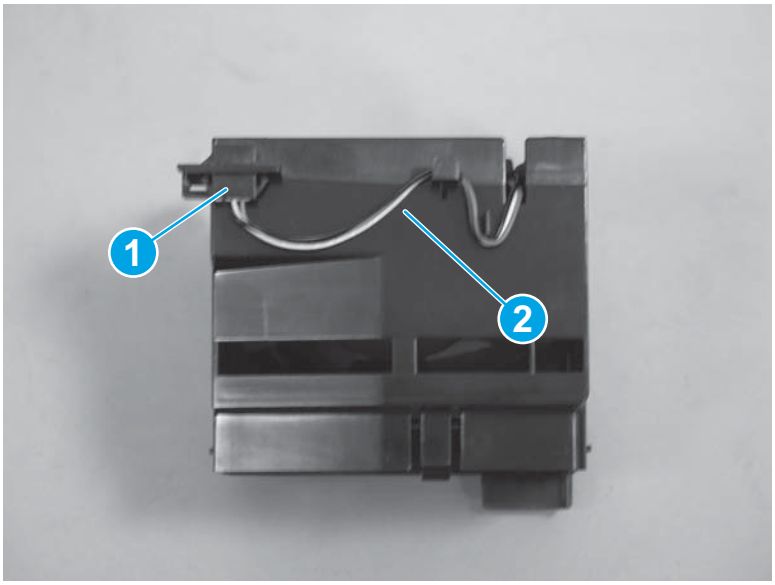
3. Rotate the fan assembly to the right (callout 1), while pulling the assembly away from the product (callout 2) to remove it.

Figure 1-317 Remove the cartridge fan FM3 (yellow and magenta; 3 of 5)



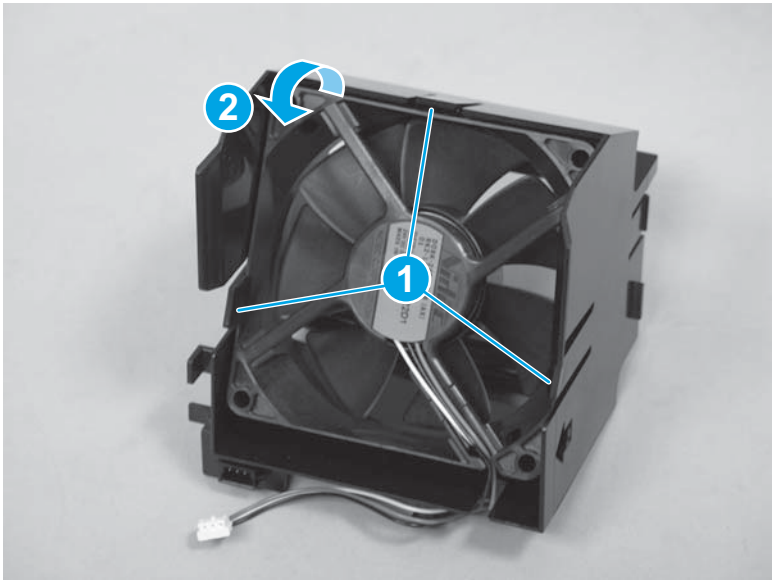
4. Disconnect one connector (callout 1) on the fan holder, and then release the wire harness (callout 2) from the guides.

Figure 1-318 Remove the cartridge fan FM3 (yellow and magenta; 4 of 5)



5. Release three tabs (callout 1), and then rotate the fan (callout 2) out of the fan holder.

Figure 1-319 Remove the cartridge fan FM3 (yellow and magenta; 5 of 5)

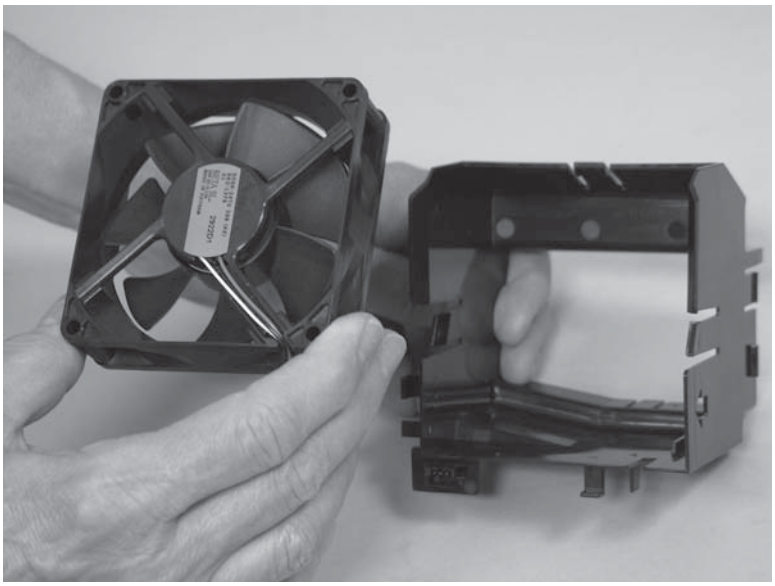


Reinstall the cartridge fan FM3 (yellow and magenta)

1. Make sure that the fan is oriented as shown below when reinstalling it in the holder.

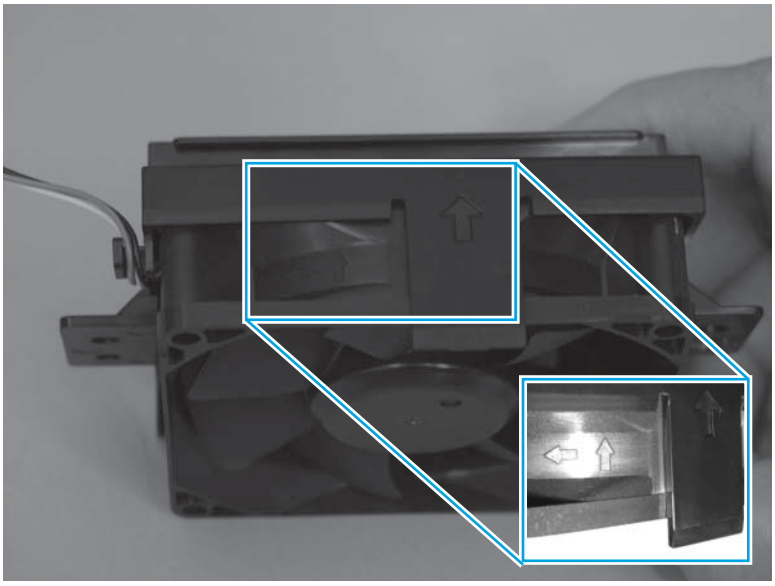
NOTE: The label in the center of the fan should be facing outward, away from the holder.

Figure 1-320 Reinstall the cartridge fan FM3 (yellow and magenta; 1 of 3)



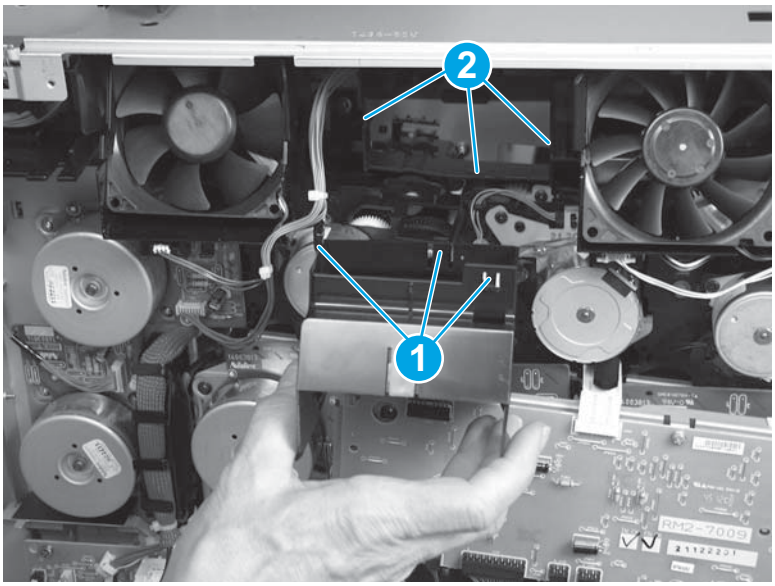
2. The embossed arrows on the fan must point away from the chassis and to the left (toward the wire harness) when the fan and holder are installed in the product.

Figure 1-321 Reinstall the cartridge fan FM3 (yellow and magenta; 2 of 3)



3. When reinstalling the cartridge fan (yellow and magenta) assembly, make sure that the tabs (callout 1) on the holder are installed in the slots (callout 2) on the product.

Figure 1-322 Reinstall the cartridge fan FM3 (yellow and magenta; 3 of 3)



Cartridge fan FM4 (cyan and black)

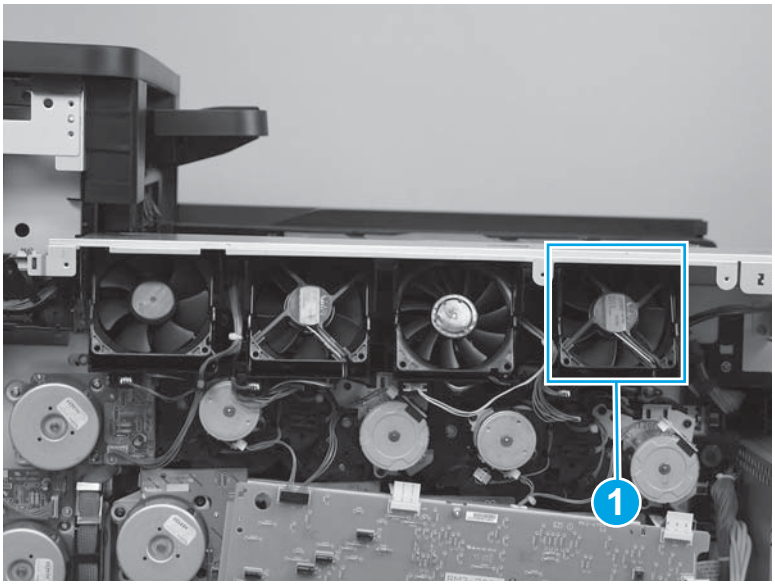
Before proceeding, remove the following assemblies:

- Left rear cover. See Left rear cover on page 104.
- Rear cover. See Rear cover on page 143.

Remove the cartridge fan FM4 (cyan and black)

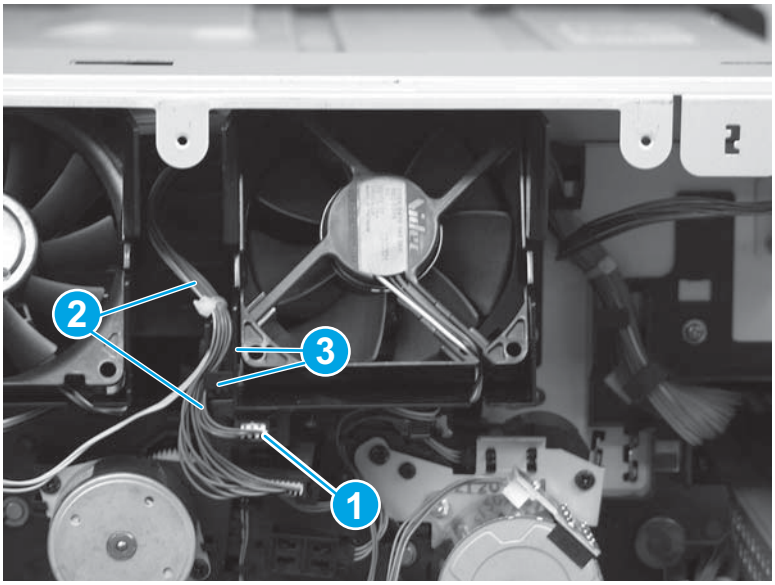
1. Locate the cartridge fan (cyan and black; callout 1).

   Figure 1-323 Remove the cartridge fan FM4 (cyan and black; 1 of 5)

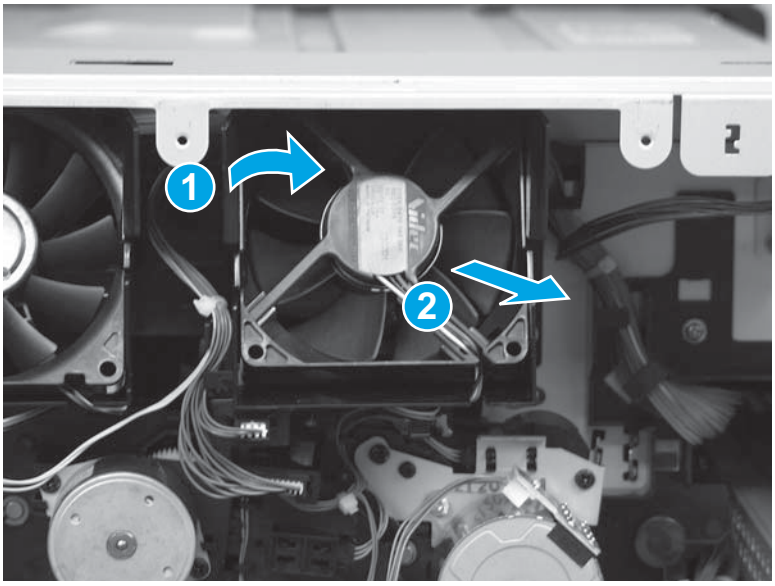
2. Disconnect one connector (callout 1), and then release the wire harnesses (callout 2) from the guides (callout 3).

   Figure 1-324 Remove the cartridge fan FM4 (cyan and black; 2 of 5)

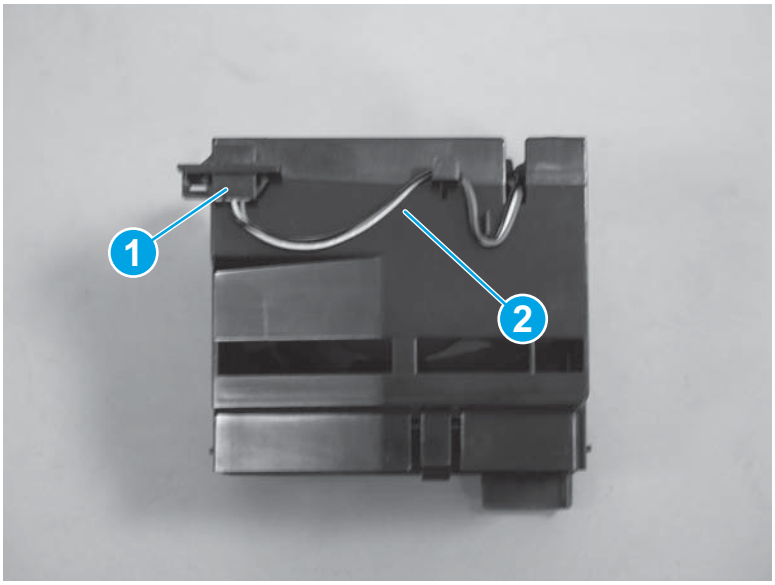
3. Rotate the fan assembly to the right (callout 1), while pulling the assembly away from the product (callout 2) to remove it.

Figure 1-325 Remove the cartridge fan FM4 (cyan and black; 3 of 5)



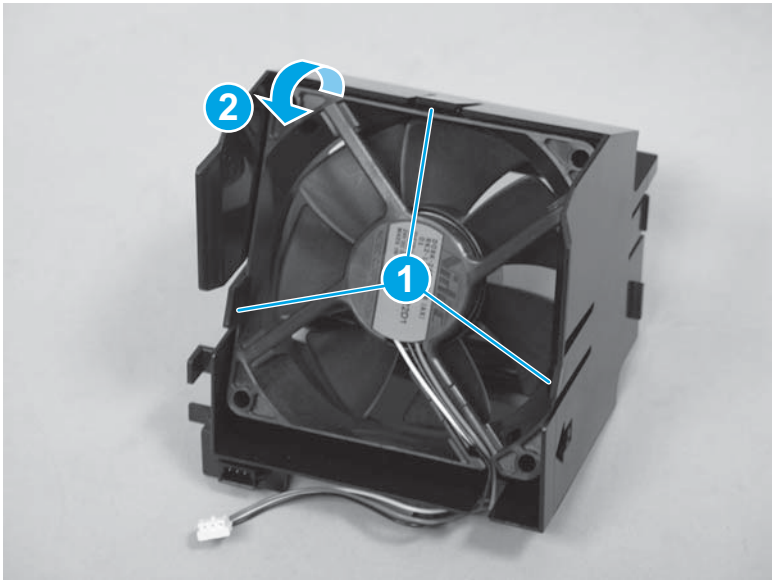
4. Disconnect one connector (callout 1) on the fan holder, and then release the wire harness (callout 2) from the guides.

Figure 1-326 Remove the cartridge fan FM4 (cyan and black; 4 of 5)



5. Release three tabs (callout 1), and then rotate the fan (callout 2) out of the fan holder.

Figure 1-327 Remove the cartridge fan FM4 (cyan and black; 5 of 5)

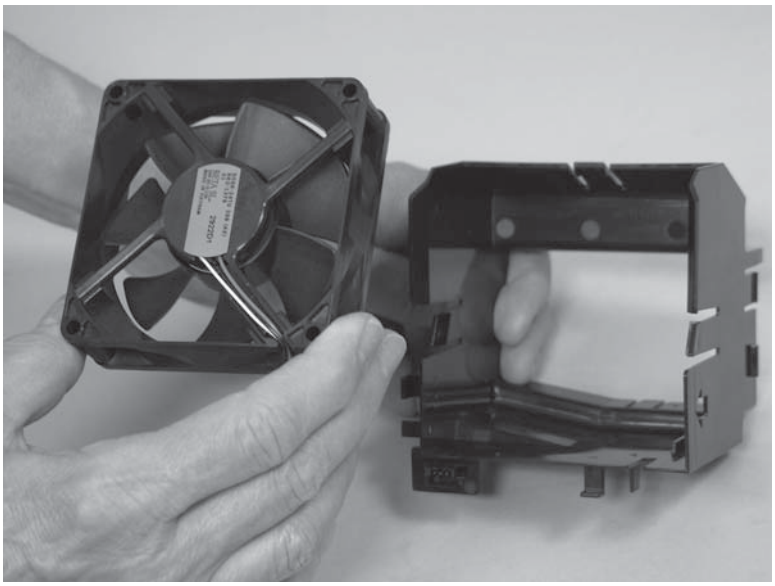


Reinstall the cartridge fan FM4 (cyan and black)

1. Make sure that the fan is oriented as shown below when reinstalling it in the holder.

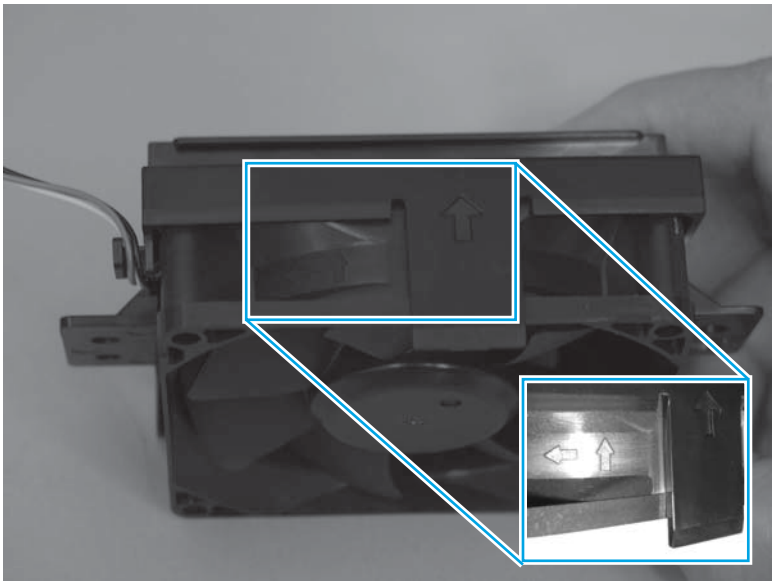
NOTE: The label in the center of the fan should be facing outward, away from the holder.

Figure 1-328 Reinstall the cartridge fan FM4 (cyan and black; 1 of 2)



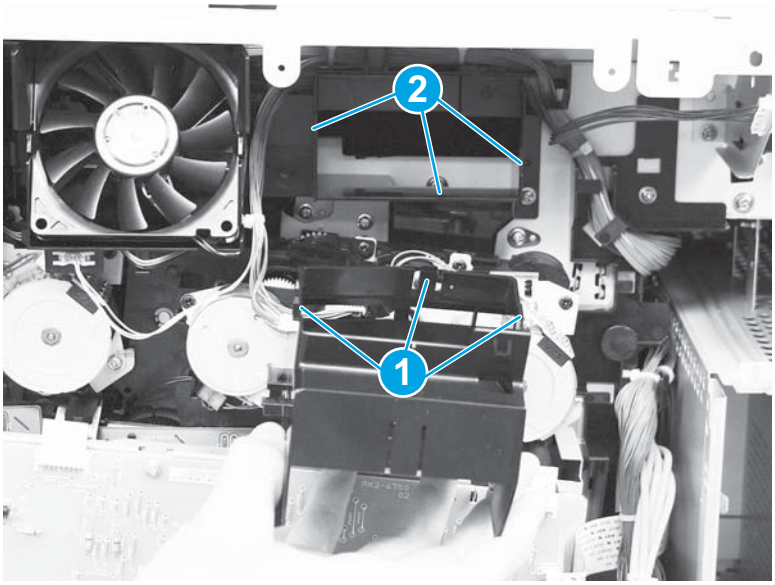
2. The embossed arrows on the fan must point away from the chassis and to the left (toward the wire harness) when the fan and holder are installed in the product.

Figure 1-329 Reinstall the cartridge fan FM4 (cyan and black; 2 of 3)



3. When reinstalling the cartridge fan (cyan and black) assembly, make sure that the tabs (callout 1) on the holder are installed in the slots (callout 2) on the chassis.

Figure 1-330 Reinstall the cartridge fan FM4 (cyan and black; 3 of 3)



Laser/scanner fan FM1

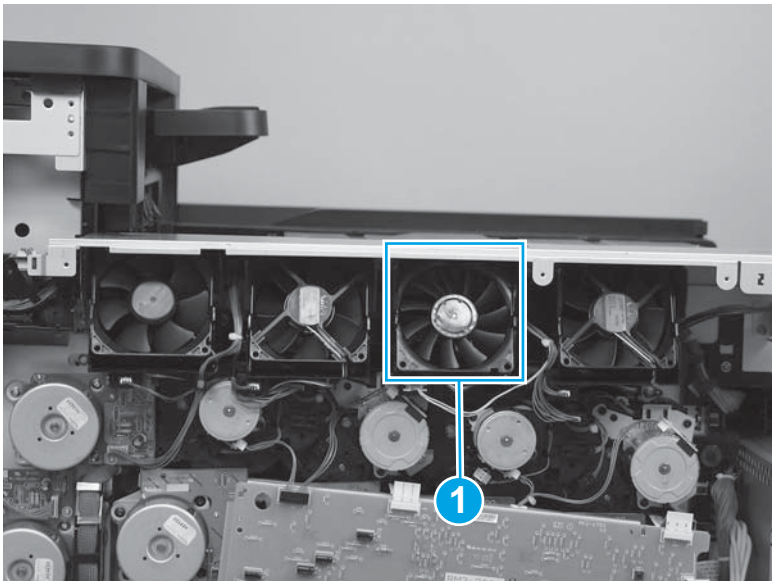
Before proceeding, remove the following assemblies:

- Left rear cover. See Left rear cover on page 104.
- Rear cover. See Rear cover on page 143.

Remove the laser/scanner fan FM1

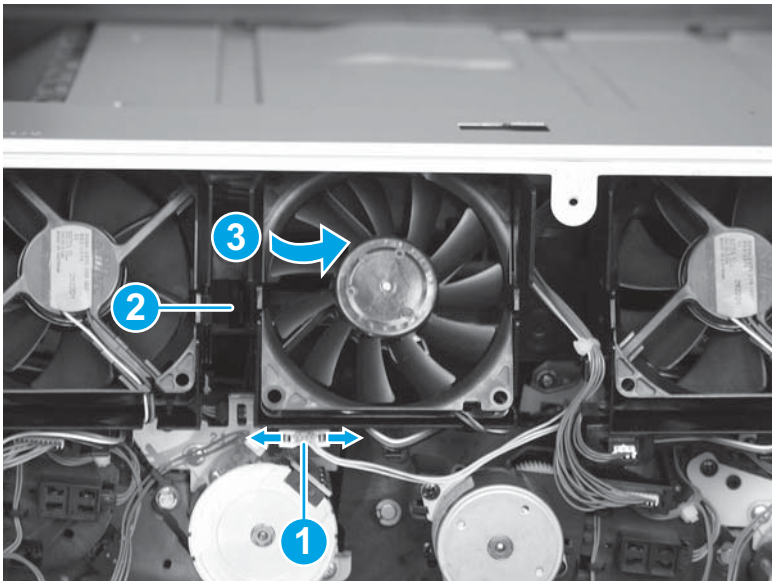
1. Locate the laser/scanner fan (callout 1).

Figure 1-331 Remove the laser/scanner fan FM1 (1 of 4)



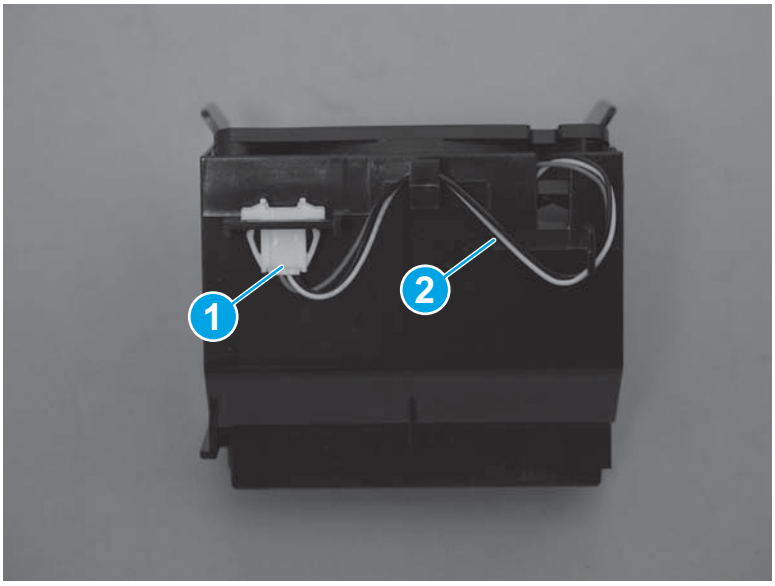
2. Release two locking tabs, and then disconnect one connector (callout 1). Release one tab (callout 2). and then rotate the fan assembly to the right (callout 3) to remove it.

Figure 1-332 Remove the laser/scanner fan FM1 (2 of 4)



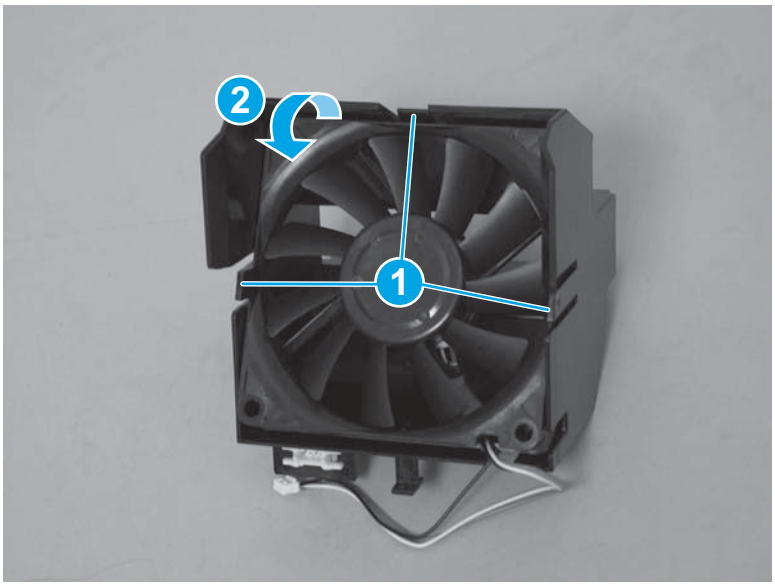
3. Disconnect one connector (callout 1) on the fan holder, and then release the wire harness (callout 2) from the guides.

Figure 1-333 Remove the laser/scanner fan FM1 (3 of 4)



4. Release three tabs (callout 1), and then rotate the laser/scanner fan (callout 2) out of the fan holder.

Figure 1-334 Remove the laser/scanner fan FM1 (4 of 4)

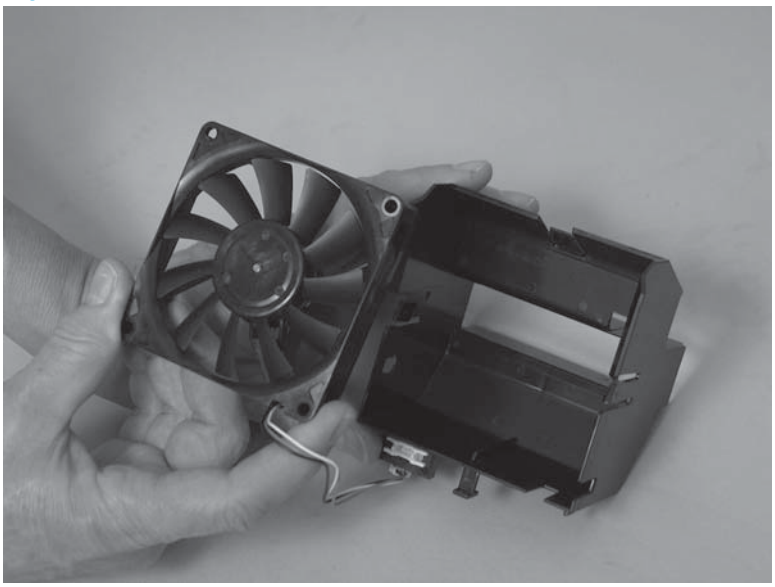


Reinstall the laser/scanner fan FM1

1. Make sure that the fan is oriented as shown below when reinstalling it in the holder.

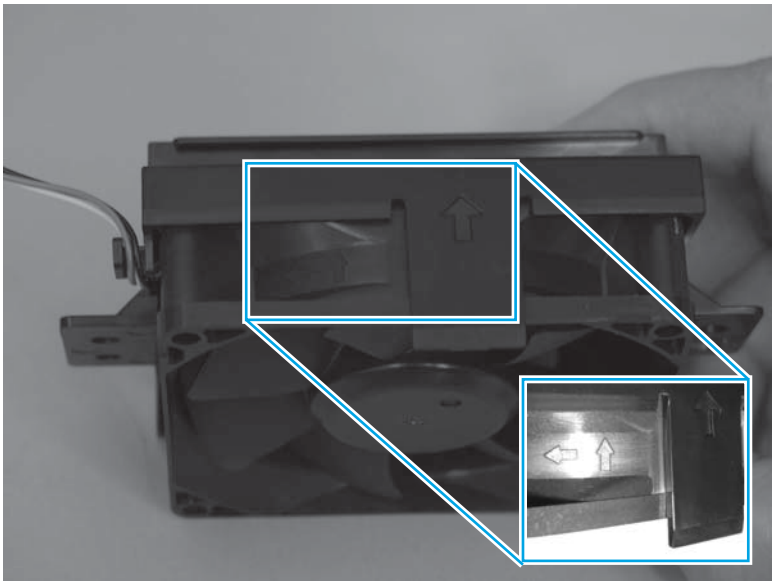
NOTE: The label in the center of the fan should be facing inward, toward the holder.

Figure 1-335 Reinstall the laser/scanner fan FM1 (1 of 3)



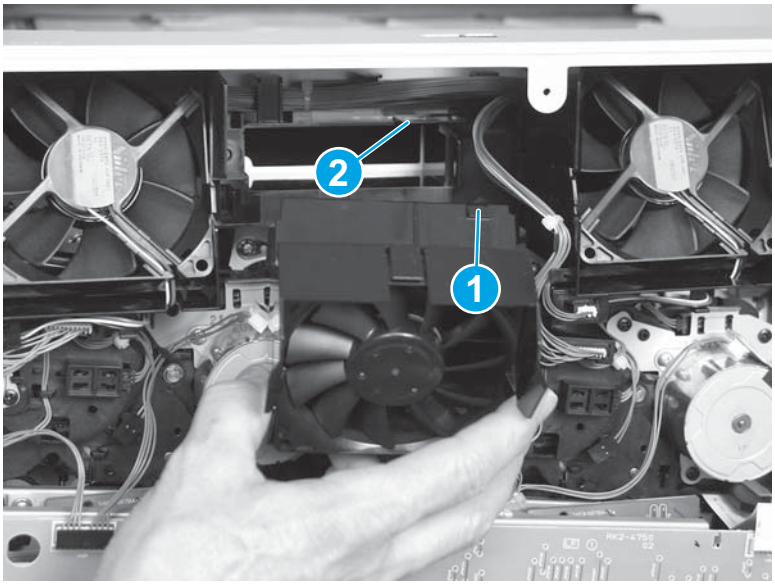
2. The embossed arrows on the fan must point into the chassis and to the left (toward the wire harness) when the fan and holder are installed in the product.

Figure 1-336 Reinstall the laser/scanner fan FM1 (2 of 3)



3. When reinstalling the laser/scanner fan assembly, make sure that the tabs (callout 1) on the holder are installed in the slots (callout 2) on the chassis.

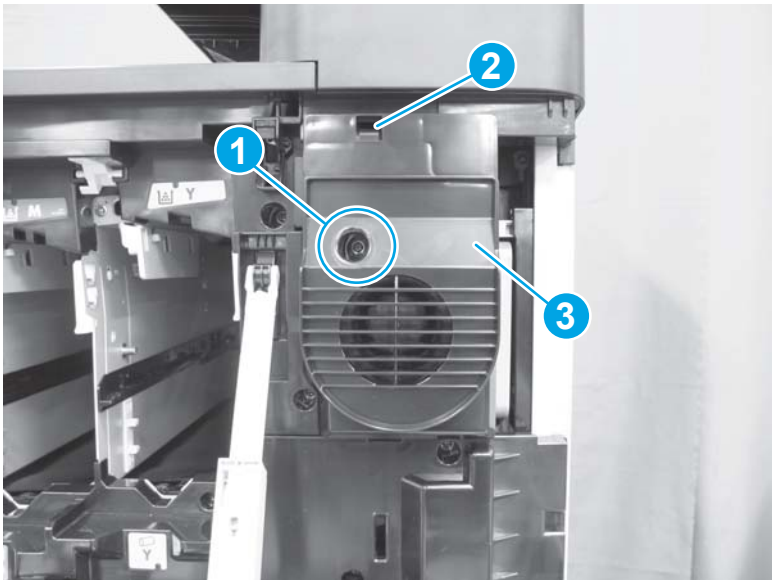
Figure 1-337 Reinstall the laser/scanner fan FM1 (3 of 3)



Delivery fan FM8

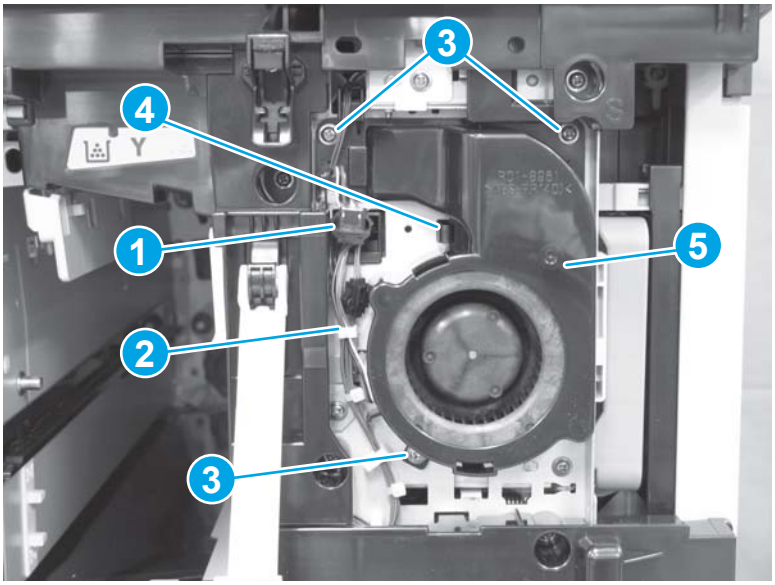
1. Open the front door.
2. Remove one screw (callout 1), release one tab (callout 2), and then remove the delivery fan cover (callout 3).

Figure 1-338 Remove the delivery fan FM8 (1 of 3)



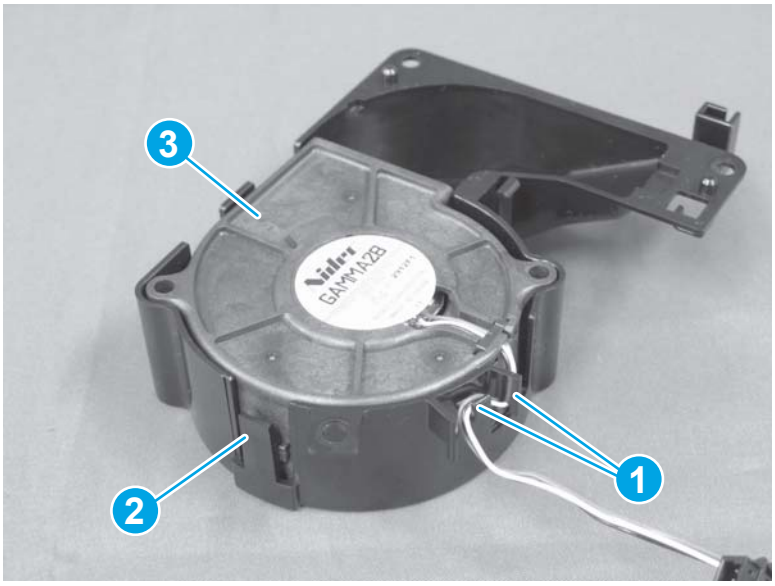
3. Disconnect one connector (callout 1), release the wire harness from the retainer (callout 2), remove three screws (callout 3), release one tab (callout 4), and then remove the delivery fan holder (callout 5).

Figure 1-339 Remove the delivery fan FM8 (2 of 3)



4. Release the wire harness from the guide (callout 1), release one tab (callout 2), and then remove the fan (callout 3).

Figure 1-340 Remove the delivery fan FM8 (3 of 3)



Cartridge front area cooling fan FM7

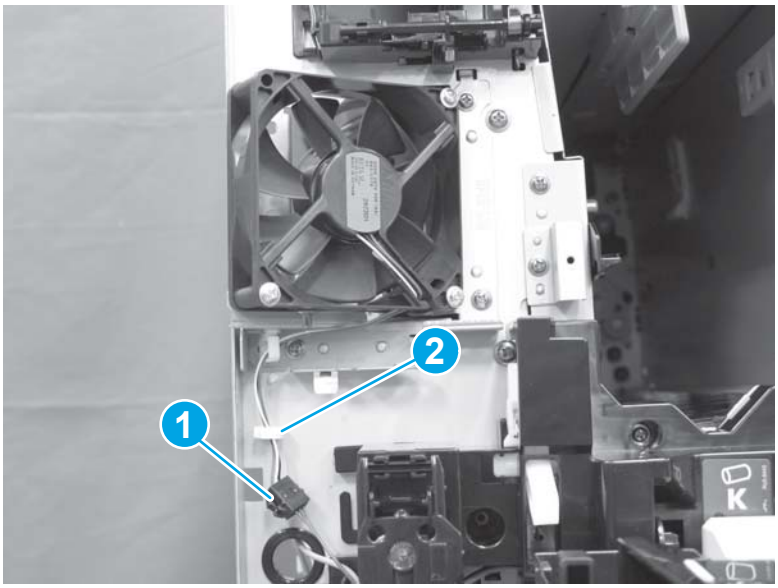
Before proceeding, remove the following assemblies:

- Remove one of the following, depending upon product configuration:
  - Face-down bin. See Face-down bin on page 101.
  - Intermediate paper transport unit (IPTU). See IPTU assembly on page 437.
- Left rear cover. See Left rear cover on page 104.
- Front top cover. See Front top cover on page 115.
- Left front cover. See Left front cover on page 133.

Remove the cartridge front area cooling fan FM7

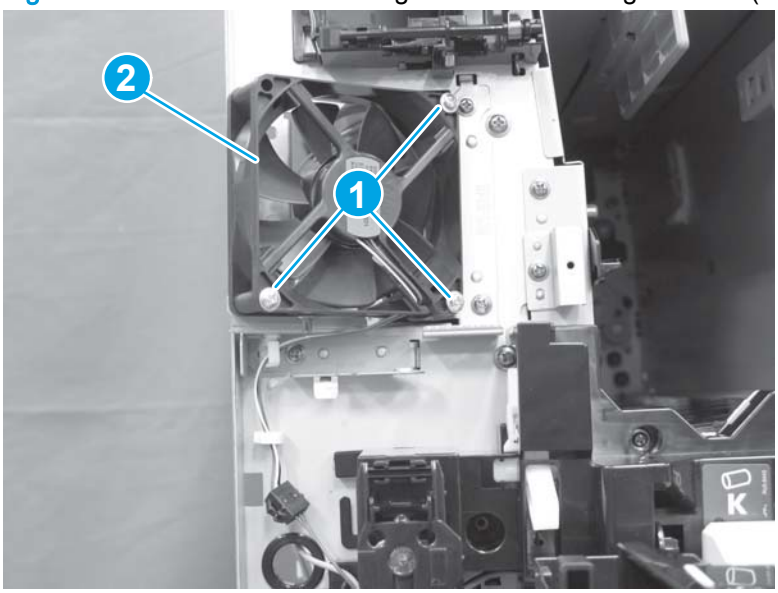
1. Disconnect one connector (callout 1), and then release the wire harness from the retainer (callout 2).

   Figure 1-341 Remove the cartridge front area cooling fan FM7 (1 of 2)

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

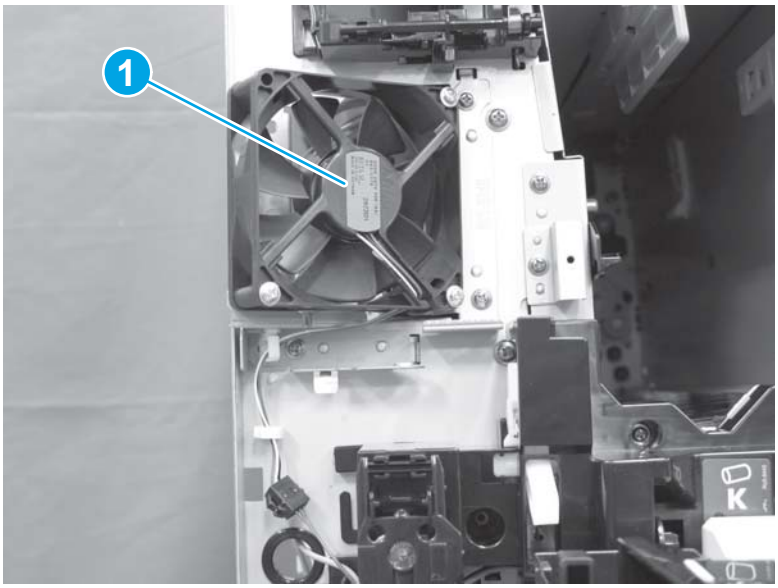
Figure 1-342 Remove the cartridge front area cooling fan FM7 (2 of 2)



Reinstall the cartridge front area cooling fan FM7

When the fan is reinstalled, make sure that the label (callout 1) on the fan is facing out and away from the chassis.

Figure 1-343 Reinstall the cartridge front area cooling fan FM7



Memory tag PCA

⚠ CAUTION: ESD sensitive assembly.

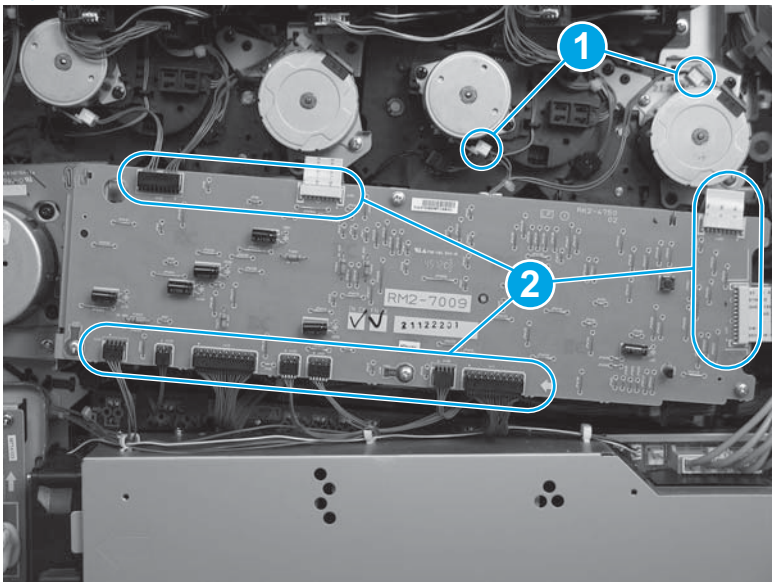
Before proceeding, remove the following assemblies:

- Left rear cover. See Left rear cover on page 104.
- Rear cover. See Rear cover on page 143.

Remove the memory tag PCA

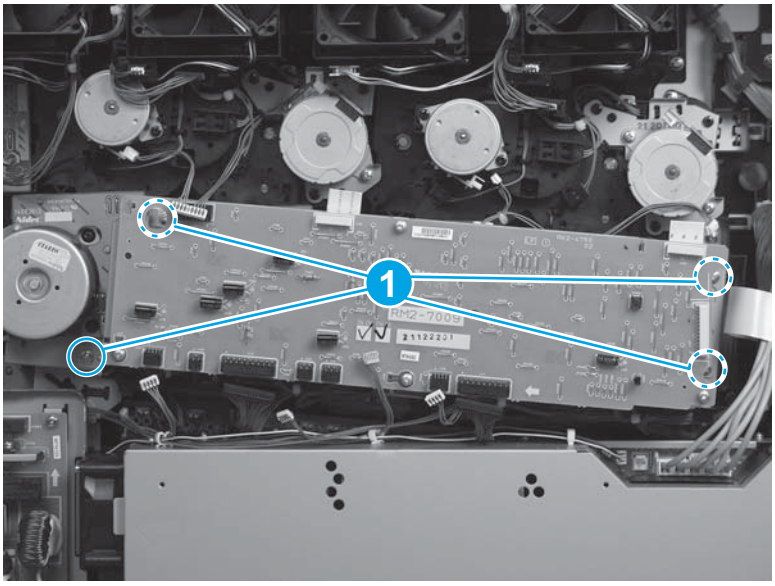
1. Disconnect two connectors (callout 1) on the motors above the memory tag PCA, and then disconnect 11 connectors (callout 2) on the memory tag PCA.

Figure 1-344 Remove the memory tag PCA (1 of 3)



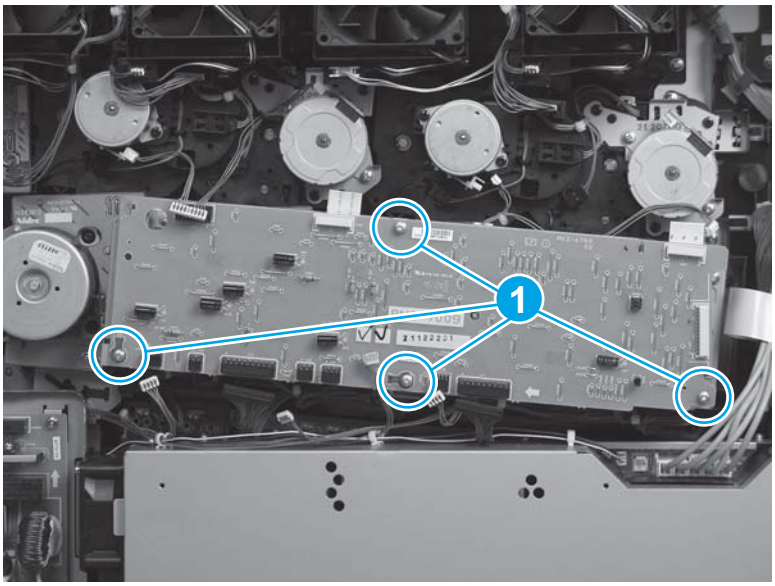
2. **If you are removing the memory tag PCA to gain access to parts behind it**, remove four screws (callout 1), and then remove the memory tag PCA and sheet-metal bracket.

Figure 1-345 Remove the memory tag PCA (2 of 3)



3. **If you are replacing the memory tag PCA**, remove four screws (callout 1), and then remove the memory tag PCA.

Figure 1-346 Remove the memory tag PCA (3 of 3)



Reinstall the memory tag PCA and sheet-metal bracket

Make sure that the tab (callout 1) on the sheet-metal bracket is installed in the slot (callout 2) on the chassis.

Figure 1-347 Reinstall the memory tag PCA

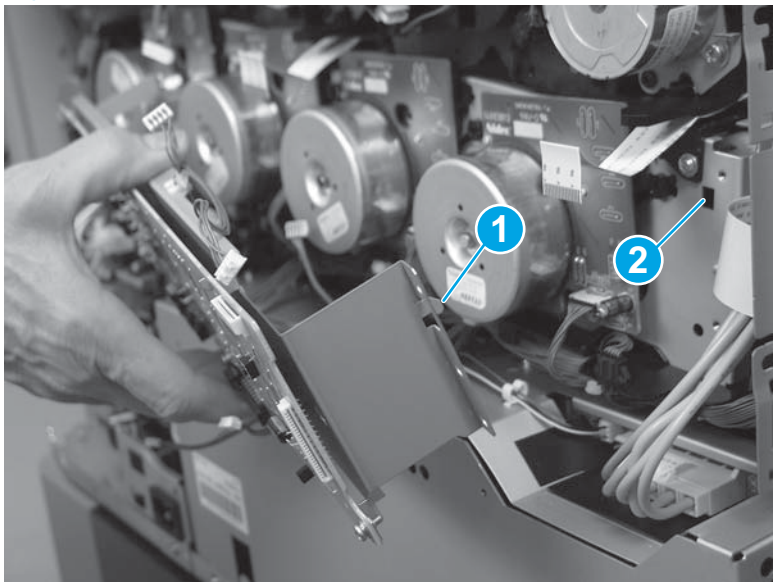


Image-drum motor

Before proceeding, remove the following assemblies:

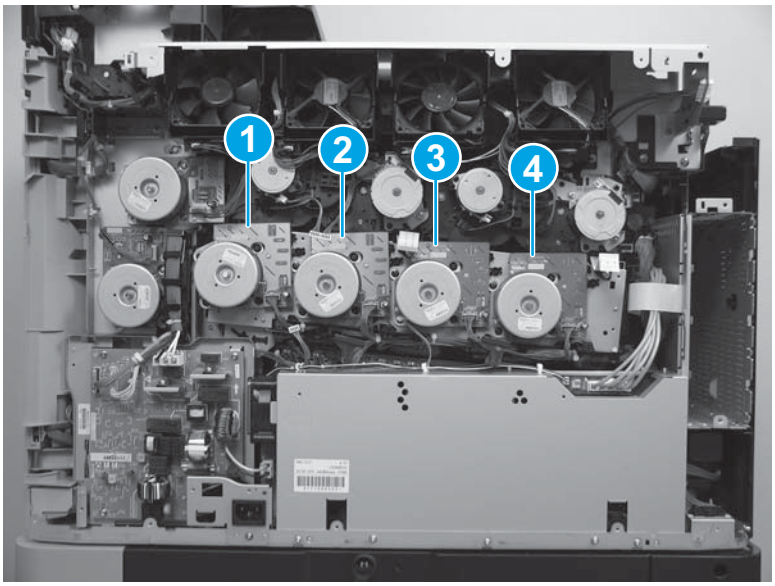
- Left rear cover. See Left rear cover on page 104.
- Rear cover. See Rear cover on page 143.

Remove the image-drum motor

NOTE: All four motors are the same part number.

1. Locate the image-drum motors: yellow (callout 1), magenta (callout 2), cyan (callout 3), and black (callout 4).

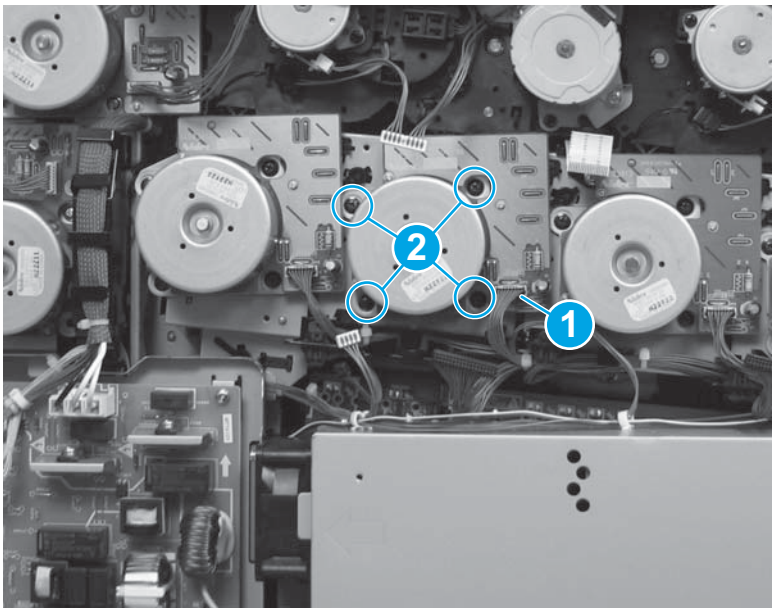
Figure 1-348 Remove the image-drum motor (1 of 2)



2. Disconnect one connector (callout 1), remove four screws (callout 2), and then remove the image-drum motor

NOTE: The following figure shows the magenta image-drum motor. The removal procedure is the same for all four motors.

Figure 1-349 Remove the image-drum motor (2 of 2)



Fuser power supply

CAUTION: ESD sensitive assembly.

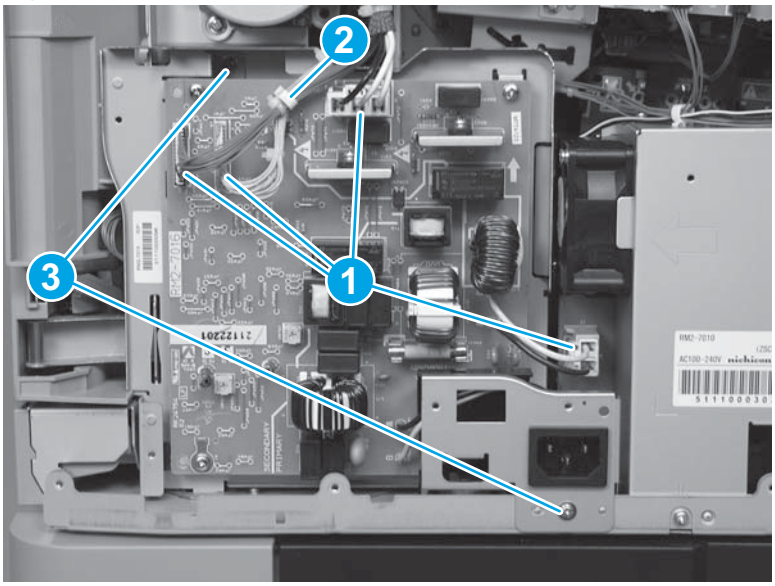
Before proceeding, remove the following assemblies:

- Left rear cover. See Left rear cover on page 104.
- Rear cover. See Rear cover on page 143.

Remove the fuser power supply

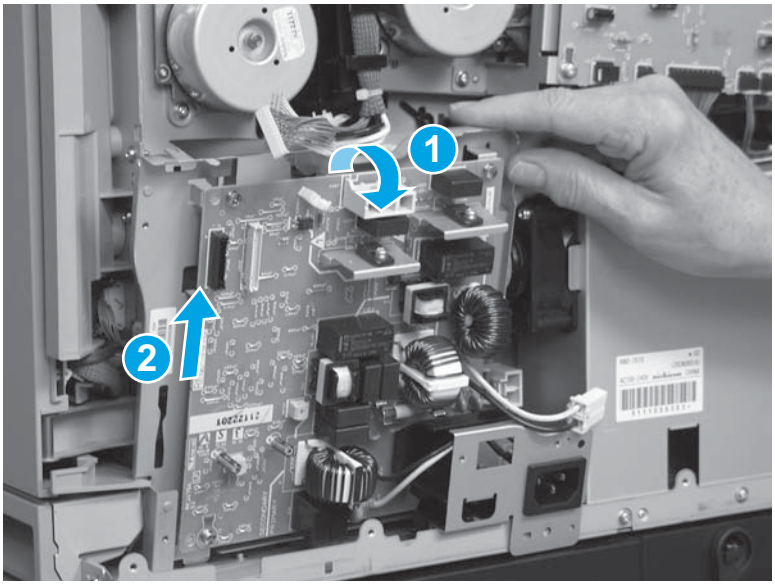
1. Disconnect four connectors (callout 1), release the wire harnesses from one retainer (callout 2), and then remove two screws (callout 3).

Figure 1-350 Remove the fuser power supply (1 of 2)



2. Rotate the top of the fuser power supply away from the chassis (callout 1), and then lift it up (callout 2) to remove it.

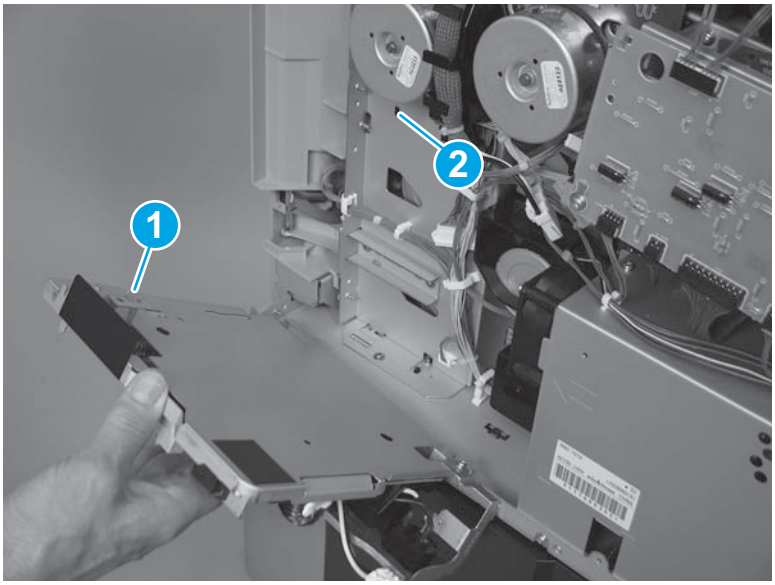
Figure 1-351 Remove the fuser power supply (2 of 2)



Reinstall the fuser power supply

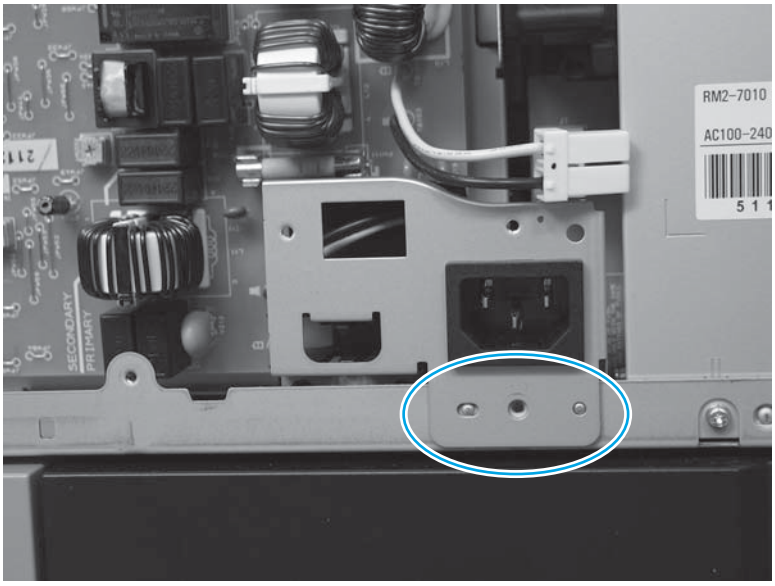
1. Make sure that the tab (callout 1) on the fuser power supply is installed in the slot (callout 2) on the chassis.

Figure 1-352 Reinstall the fuser power supply (1 of 2)



2. Make sure that the sheet-metal tab below the power connector is positioned as shown below. The tab should be outside of the sheet-metal frame.

Figure 1-353 Reinstall the fuser power supply (2 of 2)



Primary transfer-roller disengagement motor

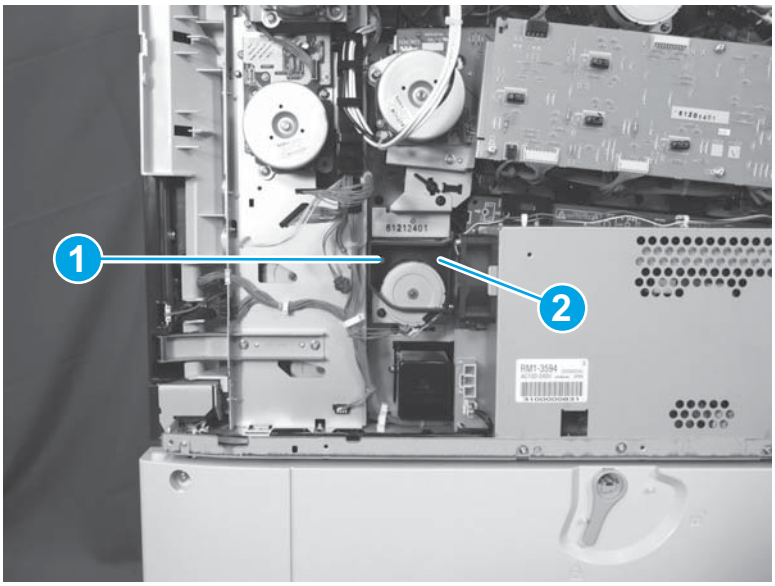
Before proceeding, remove the following assemblies:

- Left rear cover. See Left rear cover on page 104.
- Rear cover. See Rear cover on page 143.
- Fuser power supply. See Fuser power supply on page 235.

Remove the primary transfer-roller disengagement motor

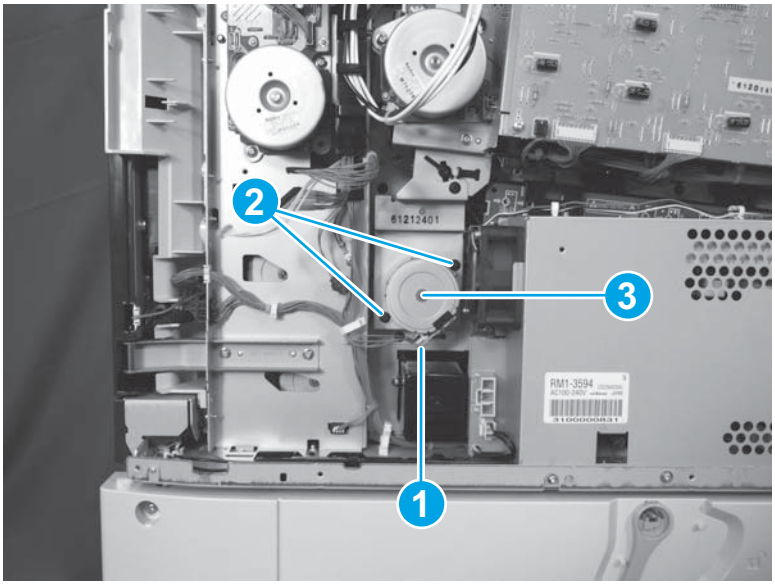
1. Remove one screw (callout 1), and then remove the motor cover (callout 2).

Figure 1-354 Remove the primary transfer-roller disengagement motor (1 of 2)



2. Disconnect one connector (callout 1), remove two screws (callout 2), and then remove the primary-transfer roller disengagement motor (callout 3).

Figure 1-355 Remove the primary transfer-roller disengagement motor (2 of 2)



Intermediate transfer belt (ITB) alienation-drive assembly

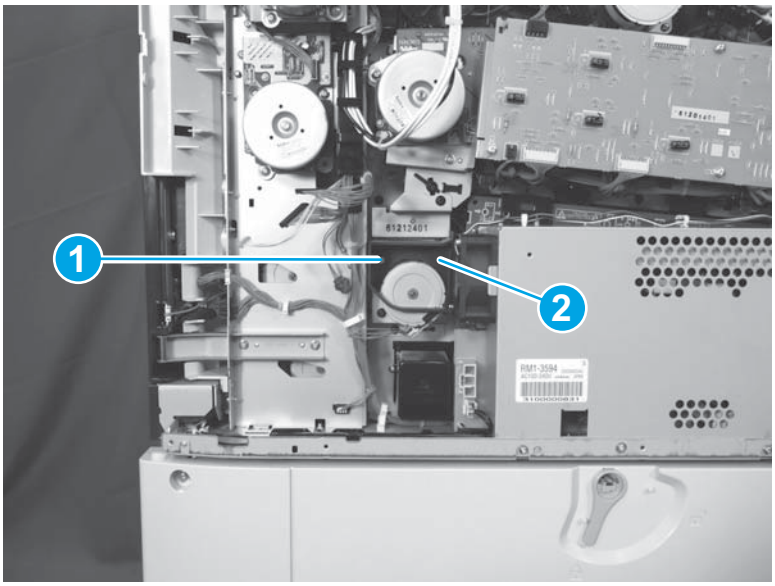
Before proceeding, remove the following assemblies:

- Left rear cover. See Left rear cover on page 104.
- Rear cover. See Rear cover on page 143.
- Fuser power supply. See Fuser power supply on page 235.

Remove the ITB alienation-drive assembly

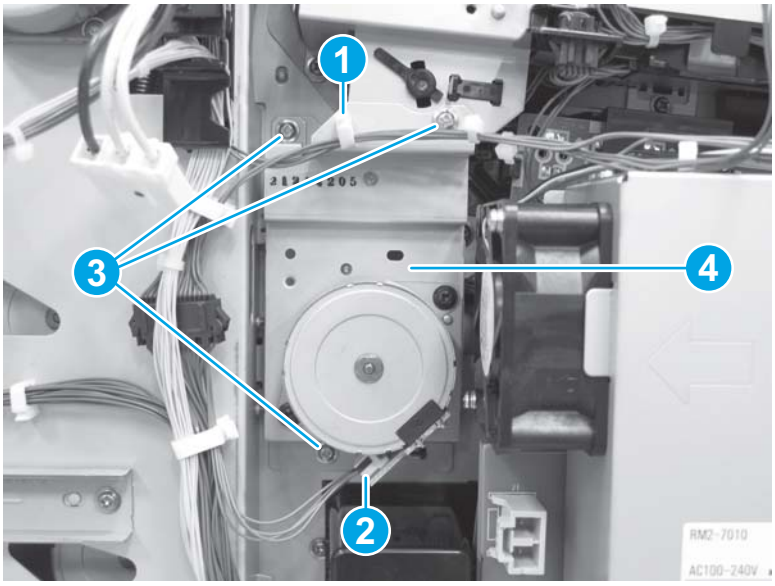
1. Remove one screw (callout 1), and then remove the motor cover (callout 2).

Figure 1-356 Remove the ITB alienation drive assembly (1 of 2)



2. Release one retainer (callout 1), disconnect one connector (callout 2). Remove three screws (callout 3), and then remove the ITB alienation drive assembly (callout 4).

Figure 1-357 Remove the ITB alienation drive assembly (2 of 2)



Fuser motor

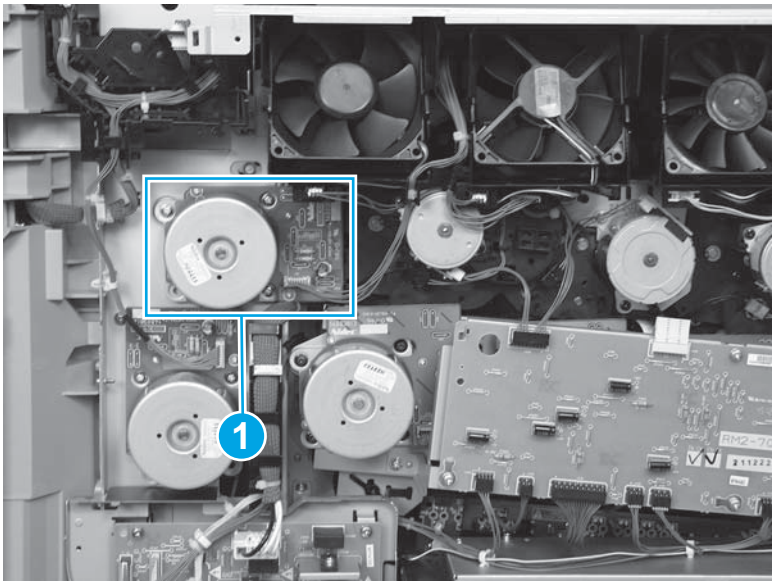
Before proceeding, remove the following assemblies:

- Left rear cover. See Left rear cover on page 104.
- Rear cover. See Rear cover on page 143.

Remove the fuser motor

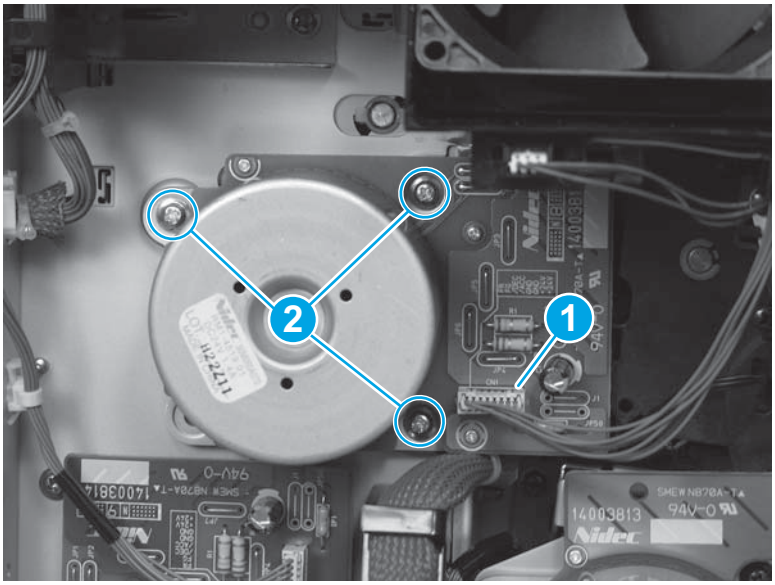
1. Locate the fuser motor (callout 1).

Figure 1-358 Remove the fuser motor (1 of 2)



2. Disconnect one connector (callout 1), remove three screws (callout 2), and then remove the fuser motor.

Figure 1-359 Remove the fuser motor (2 of 2)



Intermediate transfer belt (ITB) motor

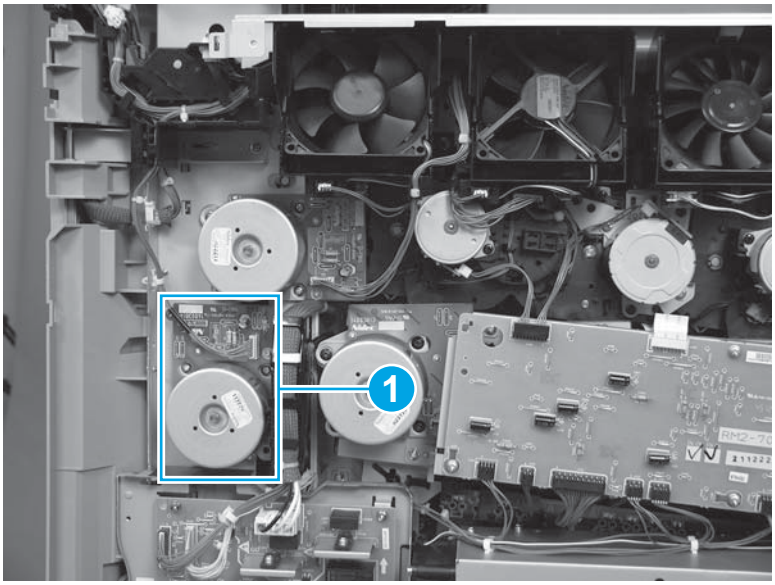
Before proceeding, remove the following assemblies:

- Left rear cover. See Left rear cover on page 104.
- Rear cover. See Rear cover on page 143.

Remove the ITB motor

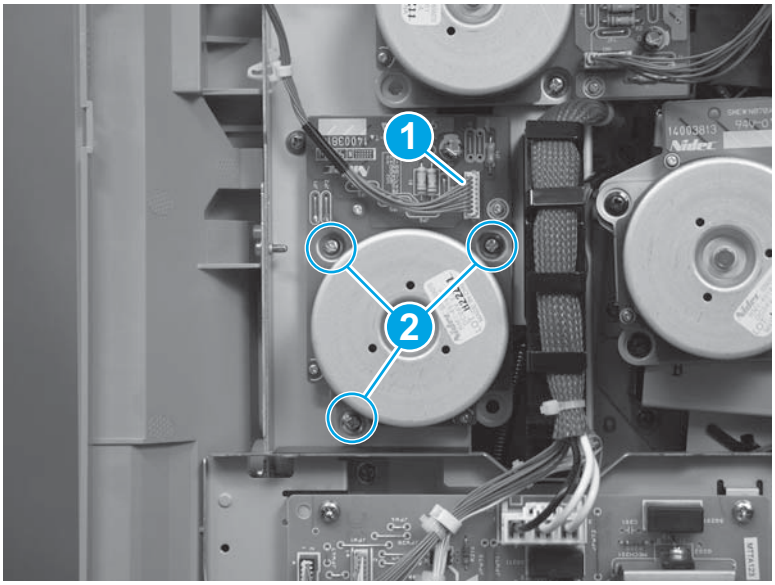
1. Locate the ITB motor (callout 1).

Figure 1-360 Remove the ITB motor (1 of 2)



2. Disconnect one connector (callout 1), remove three screws (callout 2), and then remove the ITB motor.

Figure 1-361 Remove the ITB motor (2 of 2)



Toner-cartridge feed motor (black)

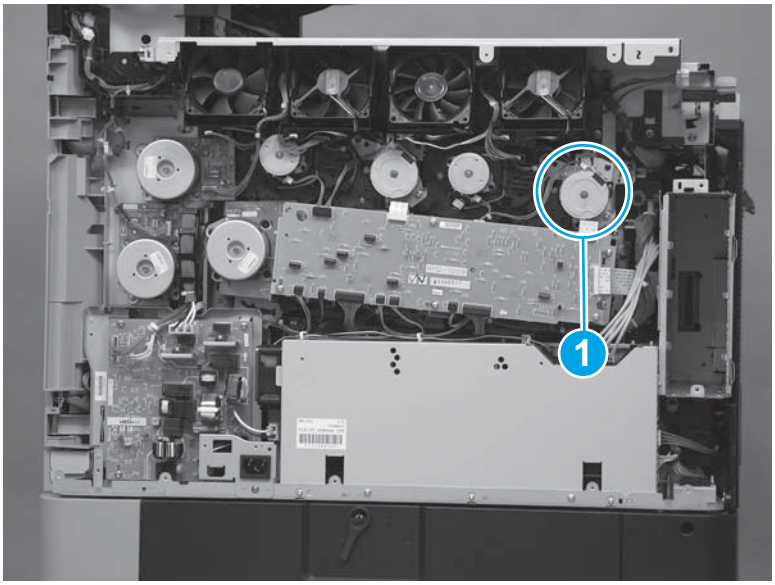
Before proceeding, remove the following assemblies:

- Left rear cover. See Left rear cover on page 104.
- Rear cover. See Rear cover on page 143.

Remove the toner-cartridge feed motor (black)

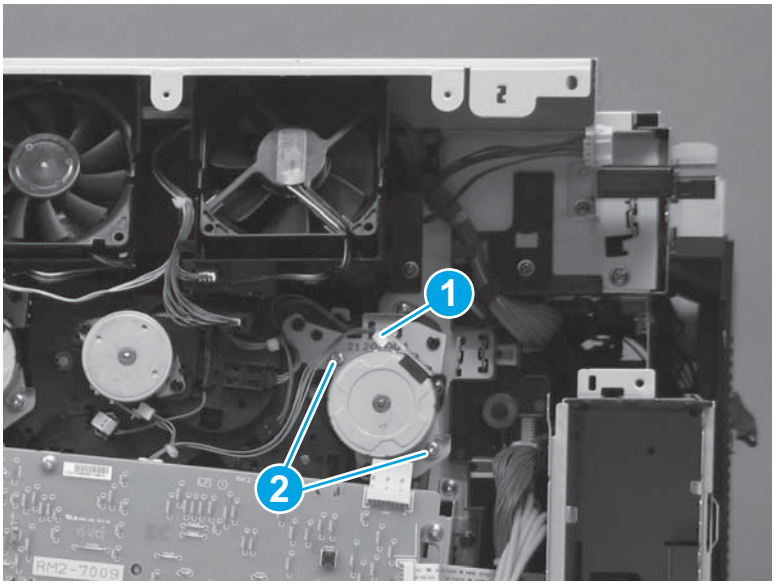
1. Locate the toner-cartridge feed motor (black; callout 1).

   Figure 1-362 Remove the toner-cartridge feed motor (black; 1 of 2)

2. Disconnect one connector (callout 1), remove two screws (callout 2), and then remove the toner-cartridge feed motor (black).

   Figure 1-363 Remove the toner-cartridge feed motor (black; 2 of 2)

Toner-cartridge feed motor (yellow, magenta, and cyan)

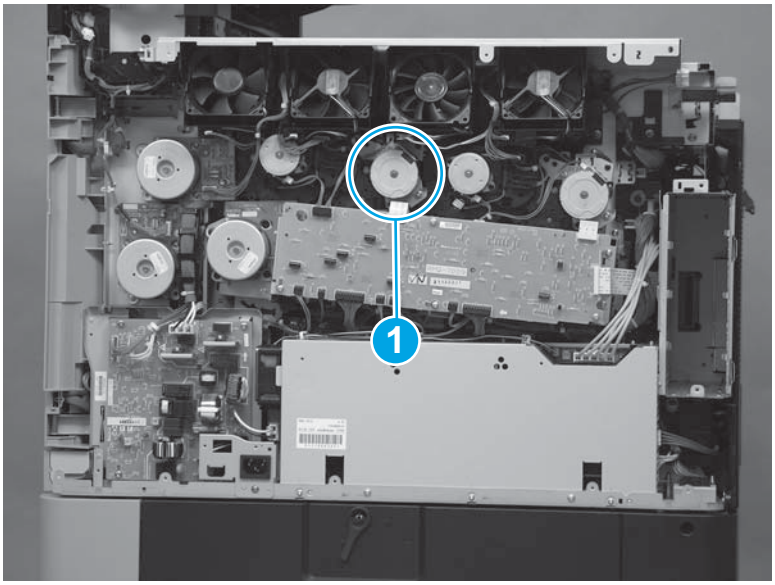
Before proceeding, remove the following assemblies:

- Left rear cover. See Left rear cover on page 104.
- Rear cover. See Rear cover on page 143.

Remove the toner-cartridge feed motor (yellow, magenta, and cyan)

1. Locate the toner-cartridge feed motor (yellow, magenta, and cyan; callout 1).

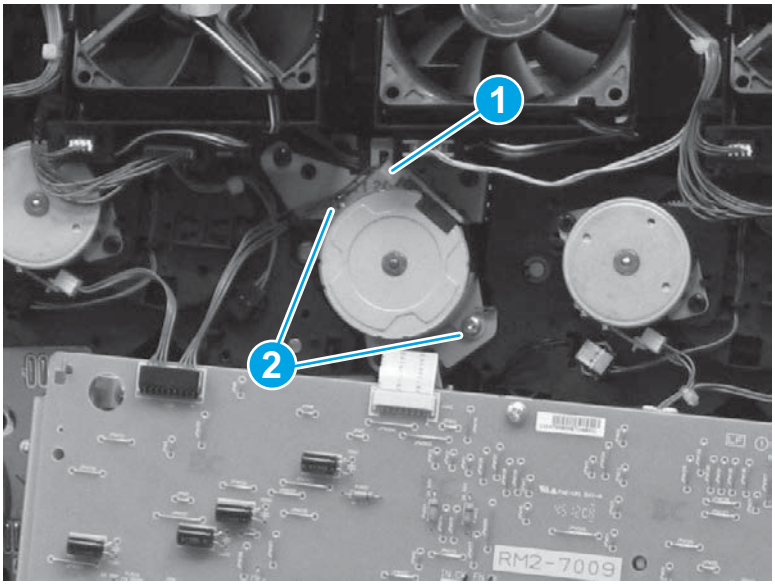
Figure 1-364 Remove the toner-cartridge feed motor (yellow, magenta, and cyan; 1 of 2)



2. Disconnect one connector (callout 1), remove two screws (callout 2), and then remove the toner-cartridge feed motor (yellow, magenta, and cyan).

Reinstallation tip Connect the connector (callout 1) before reinstalling the screws (callout 2).

Figure 1-365 Remove the toner-cartridge feed motor (yellow, magenta, and cyan; 2 of 2)



Environmental sensor

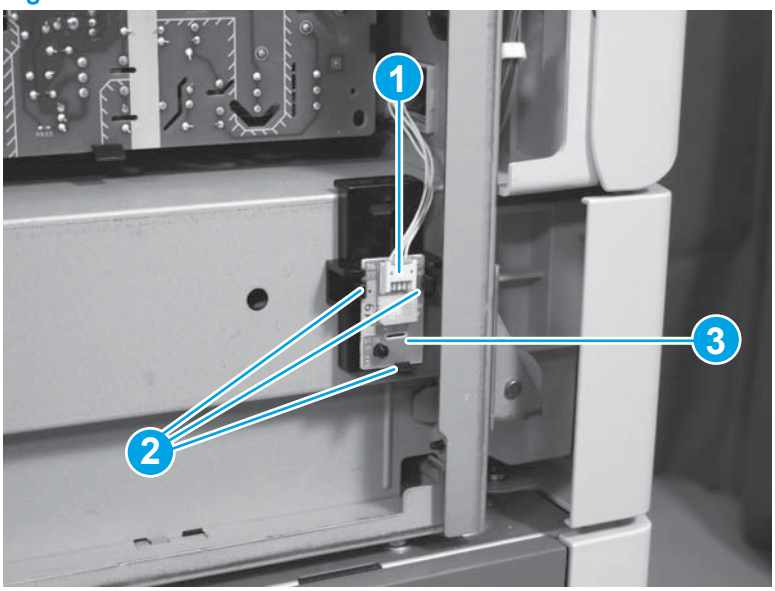
Before proceeding, remove the following assemblies:

- Remove one of the following, depending upon product configuration:
  - Face-down bin. See Face-down bin on page 101.
  - Intermediate paper transport unit (IPTU). See IPTU assembly on page 437.
- Left rear cover. See Left rear cover on page 104.
- Left cover. See Left cover on page 118.

Remove the environmental sensor

Disconnect one connector (callout 1). Release three tabs (callout 2), and then remove the environmental sensor (callout 3).

Figure 1-366 Remove the environmental sensor



Interconnect PCA (M855)

CAUTION: ESD sensitive assembly.

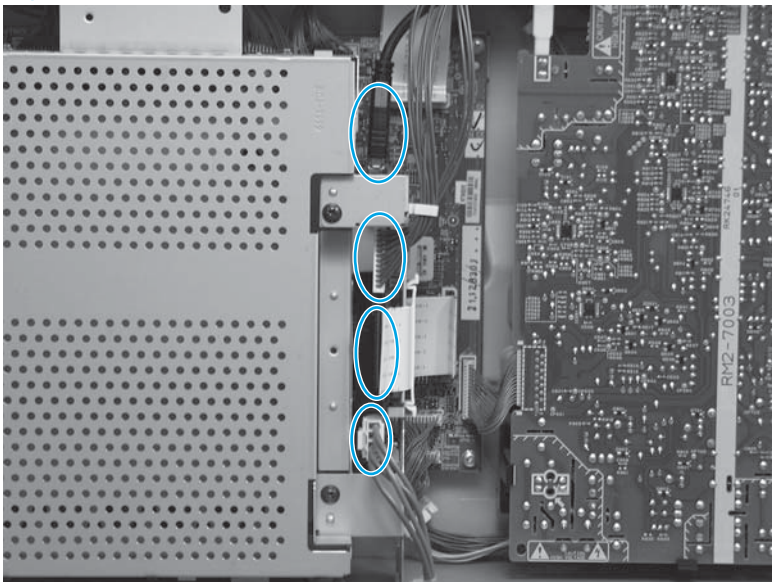
Before proceeding, remove the following assemblies:

- Formatter. See Formatter on page 23.
- Remove one of the following, depending upon product configuration:
  - Face-down bin. See Face-down bin on page 101.
  - Intermediate paper transport unit (IPTU). See IPTU assembly on page 437.
- Left rear cover. See Left rear cover on page 104.
- Left cover. See Left cover on page 118.

Remove the interconnect PCA (M855)

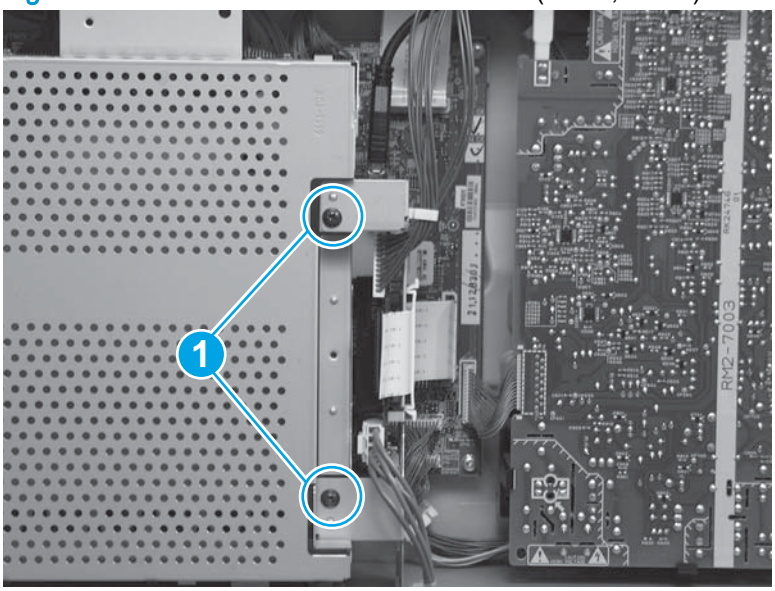
1. Disconnect four connectors.

Figure 1-367 Remove the interconnect PCA (M855; 1 of 4)



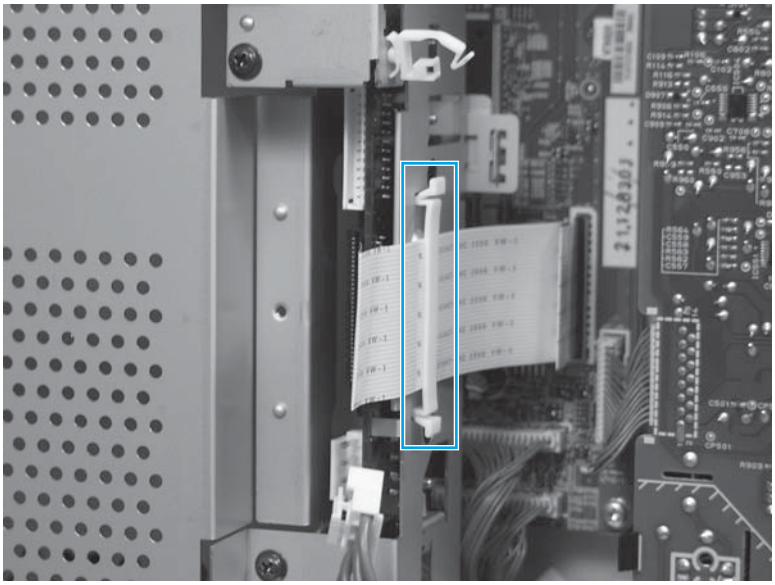
2. Remove two screws (callout 1).

Figure 1-368 Remove the interconnect PCA (M855; 2 of 4)



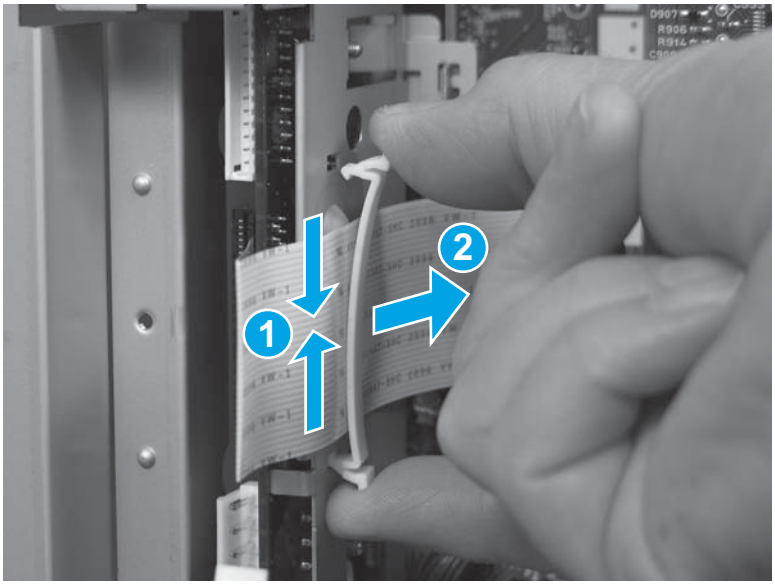
3. Locate one retainer.

Figure 1-369 Remove the interconnect PCA (M855; 3 of 4)



4. Squeeze the ends of the retainer together (callout 1) to release it, and then remove the retainer (callout 2).

Figure 1-370 Remove the interconnect PCA (M855; 4 of 4)

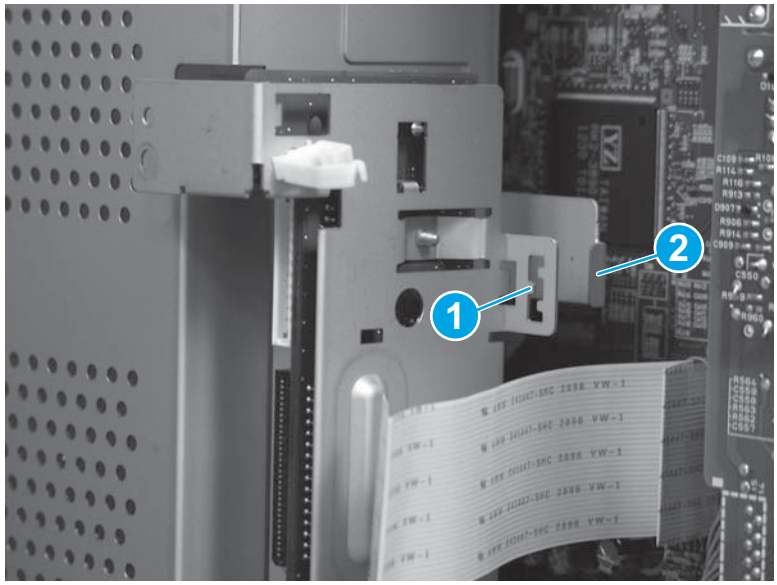


Reinstall the interconnect PCA (M855)

Make sure that the slot (callout 1) on the interconnect PCA is installed over the tab (callout 2) on the chassis.

NOTE: If the formatter was not removed prior to removing the interconnect PCA, remove it before attempting to reinstall the PCA.

Figure 1-371 Reinstall the interconnect PCA (M855)



Interconnect PCA (M880)

CAUTION: ESD sensitive assembly.

Before proceeding, remove the following assemblies:

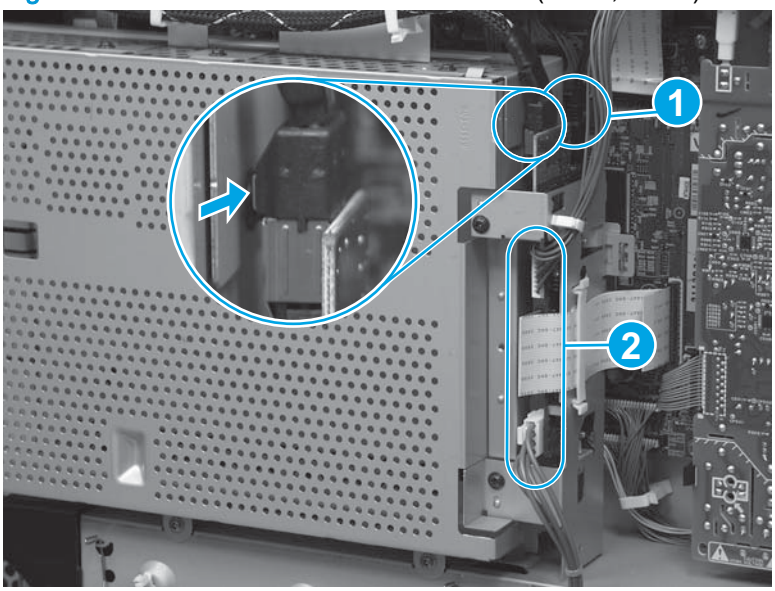
- Formatter. See Formatter on page 23.
- Remove one of the following, depending upon product configuration:
  - Face-down bin. See Face-down bin on page 101.
  - Intermediate paper transport unit (IPTU). See IPTU assembly on page 437.
- Left rear cover. See Left rear cover on page 104.
- Left cover. See Left cover on page 118.

Remove the interconnect PCA (M880)

1. Disconnect two connectors (callout 1) on top of the interconnect PCA and three connectors (callout 2) on the side.

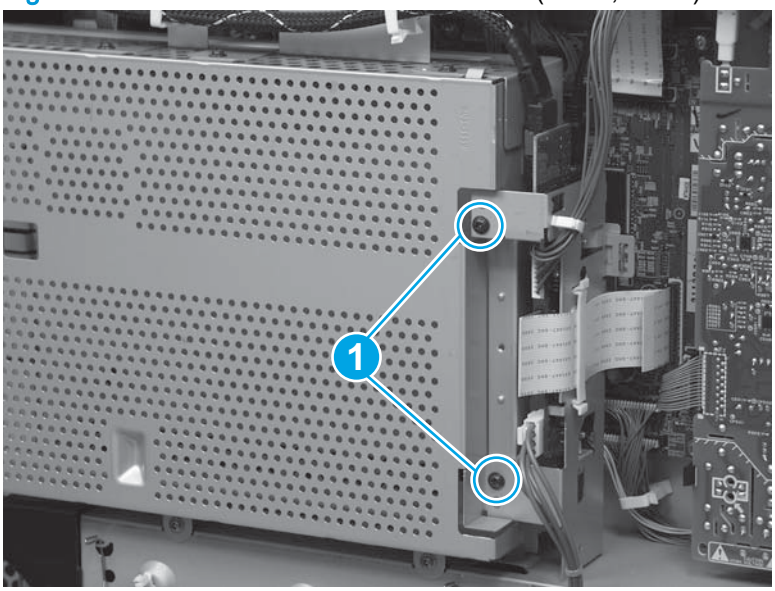
NOTE: Use a small flat-blade screwdriver to press the tab and release one of the top connectors as shown below.

Figure 1-372 Remove the interconnect PCA (M880; 1 of 4)



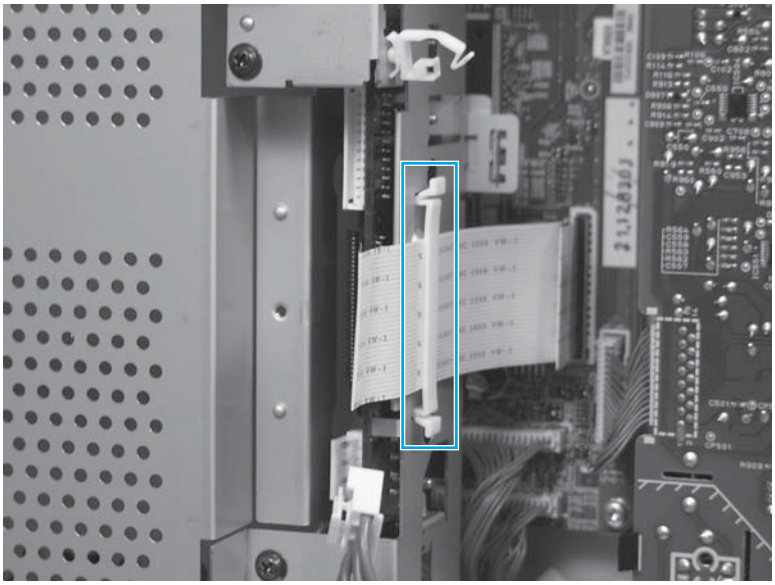
2. Remove two screws.

Figure 1-373 Remove the interconnect PCA (M880; 2 of 4)



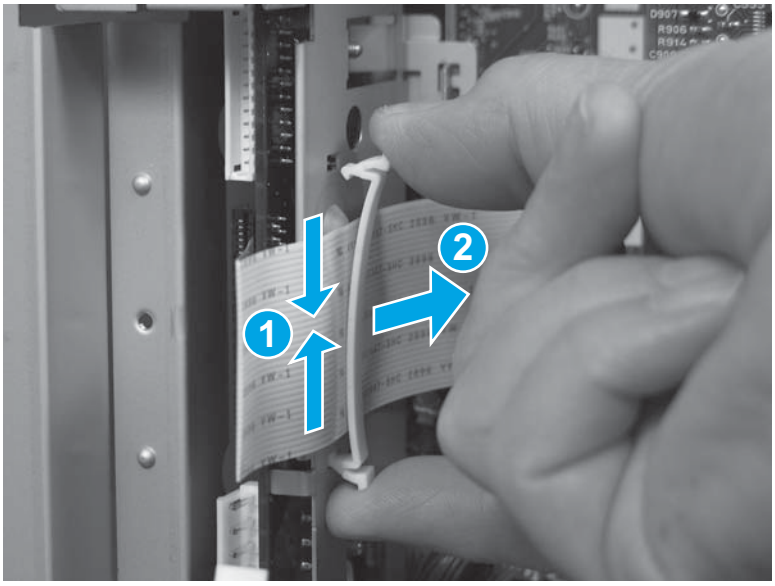
3. Locate one retainer.

Figure 1-374 Remove the interconnect PCA (M880; 3 of 4)



4. Squeeze the ends of the retainer together (callout 1) to release it, and then remove the retainer (callout 2).

Figure 1-375 Remove the interconnect PCA (M880; 4 of 4)

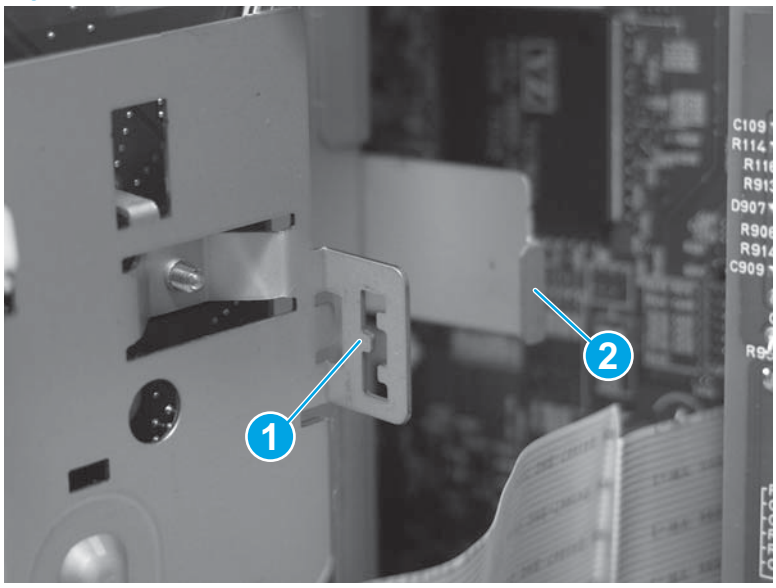


Reinstall the interconnect PCA (M880)

Make sure that the slot (callout 1) on the interconnect PCA is installed over the tab (callout 2) on the chassis.

NOTE: If the formatter was not removed prior to removing the interconnect PCA, remove it before attempting to reinstall the PCA.

Figure 1-376 Reinstall the interconnect PCA (M880)



Formatter case

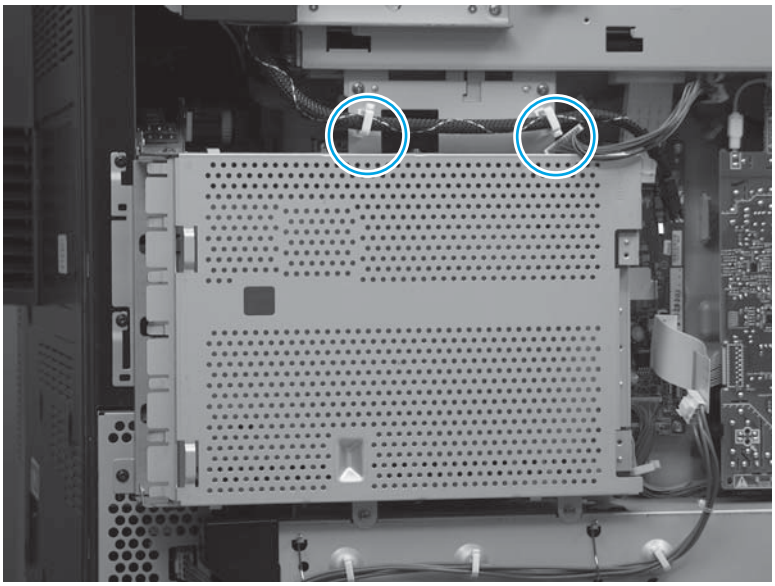
Before proceeding, remove the following assemblies:

- Remove one of the following, depending upon product configuration:
  - Face-down bin. See Face-down bin on page 101.
  - Intermediate paper transport unit (IPTU). See IPTU assembly on page 437.
- Left rear cover. See Left rear cover on page 104.
- Left cover. See Left cover on page 118.
- Interconnect PCA (M855). See Interconnect PCA (M855) on page 248.
- Interconnect PCA (M880). See Interconnect PCA (M880) on page 252.

Remove the formatter case

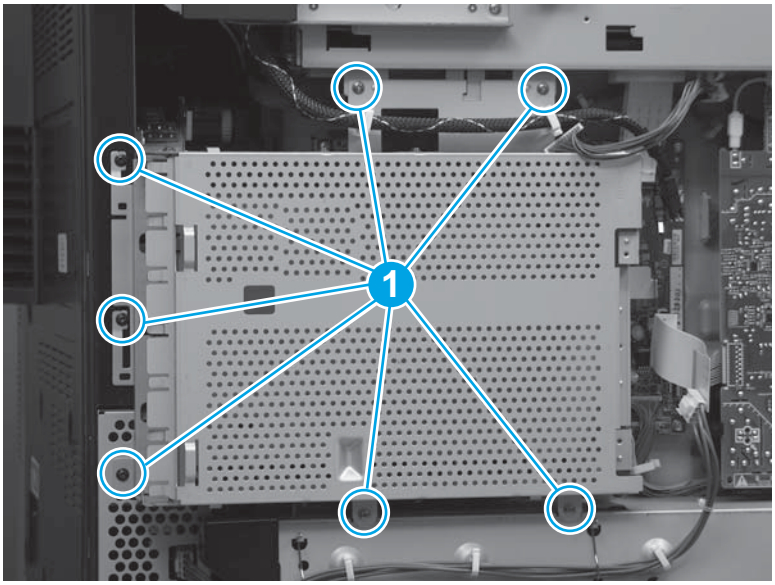
1. **M880 only**: Remove the cable from two retainers.

   Figure 1-377 Remove the formatter case (1 of 2)

2. Remove seven screws (callout 1), and then remove the formatter case.

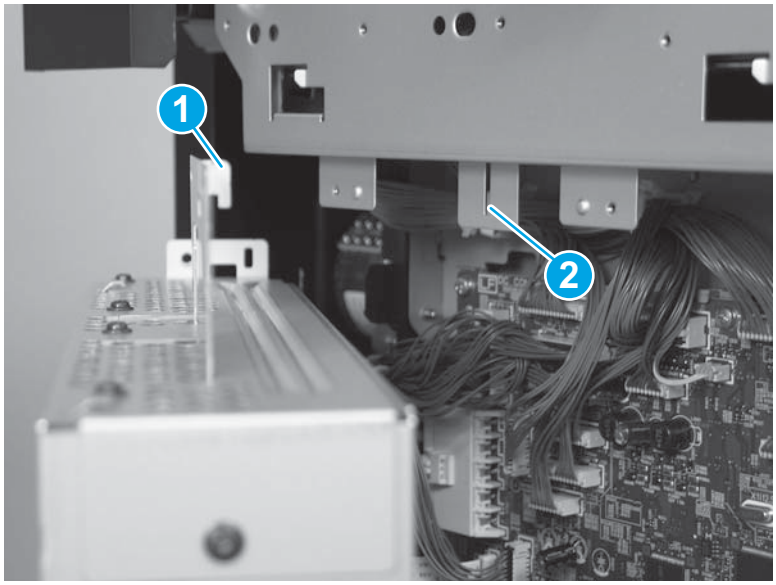
Figure 1-378 Remove the formatter case (2 of 2)



Reinstall the formatter case

Make sure that the tab (callout 1) on the formatter case is installed in the slot (callout 2) on the chassis.

Figure 1-379 Reinstall the formatter case



Formatter, formatter case, and interconnect board (ICB)

NOTE: This procedure can be used to gain access to the DC controller when removing the main drive assembly.

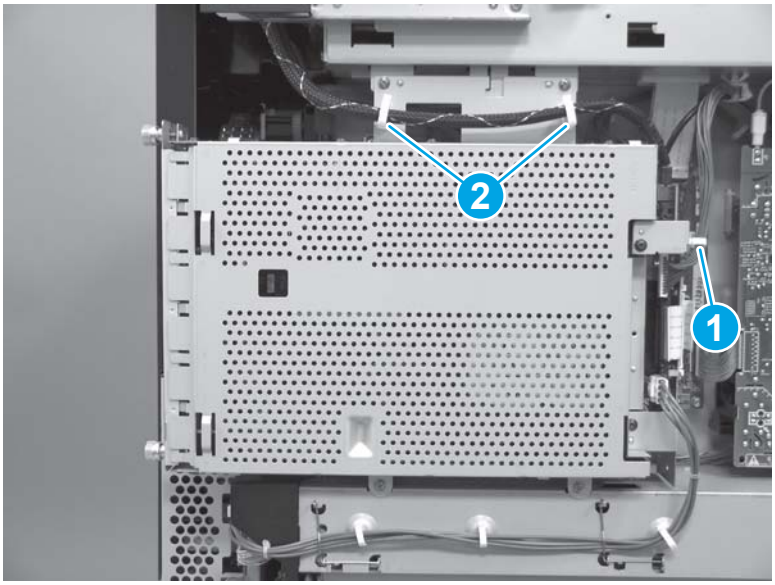
Before proceeding, remove the following assemblies:

- Remove one of the following, depending upon product configuration:
  - Face-down bin. See Face-down bin on page 101.
  - Intermediate paper transport unit (IPTU). See IPTU assembly on page 437.
- Left rear cover. See Left rear cover on page 104.
- Left cover. See Left cover on page 118.

Remove the formatter, formatter case, and ICB

1. Remove the wire harness from one retainer (callout 1). **M880 only**: Remove the cable from two retainers (callout 2).

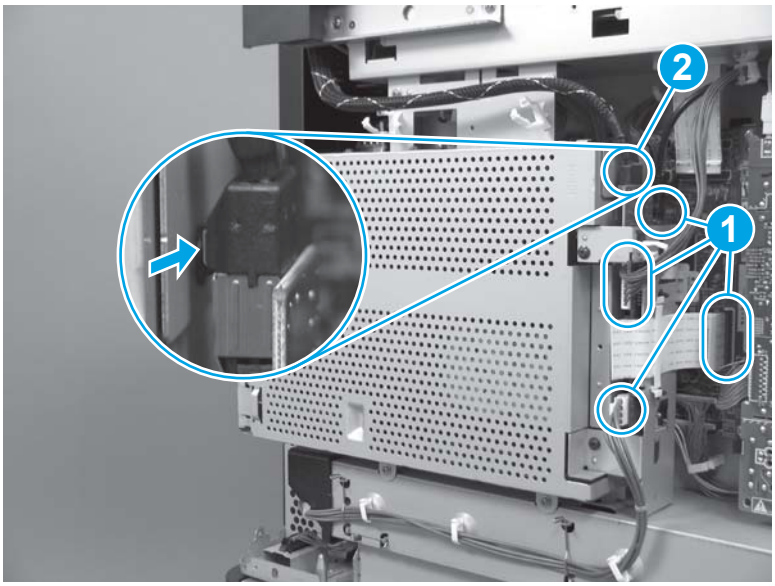
Figure 1-380 Remove the formatter, formatter case, and ICB (1 of 4)



2. Disconnect four connectors (callout 1). **M880 only**: Disconnect one additional connector (callout 2) by pressing one tab while pulling up gently on the cable.

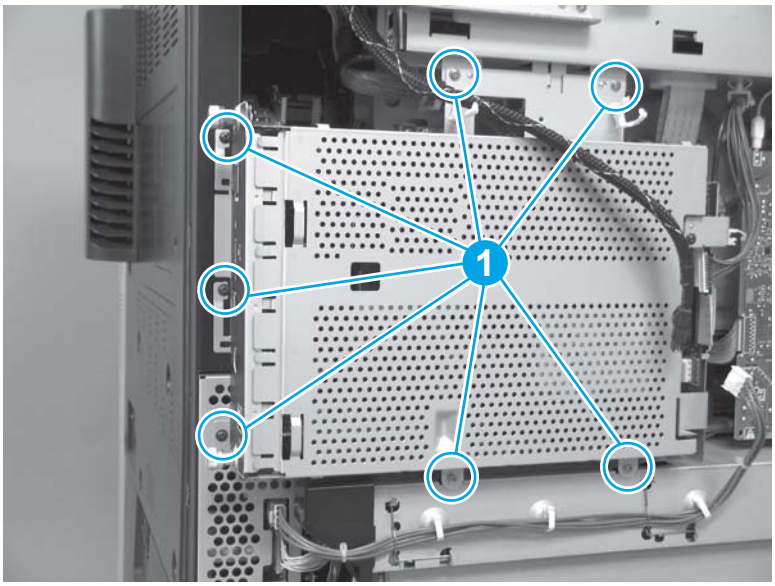
NOTE: Use a small flat-blade screwdriver to press the tab and release the connector (callout 2).

Figure 1-381 Remove the formatter, formatter case, and ICB (2 of 4)



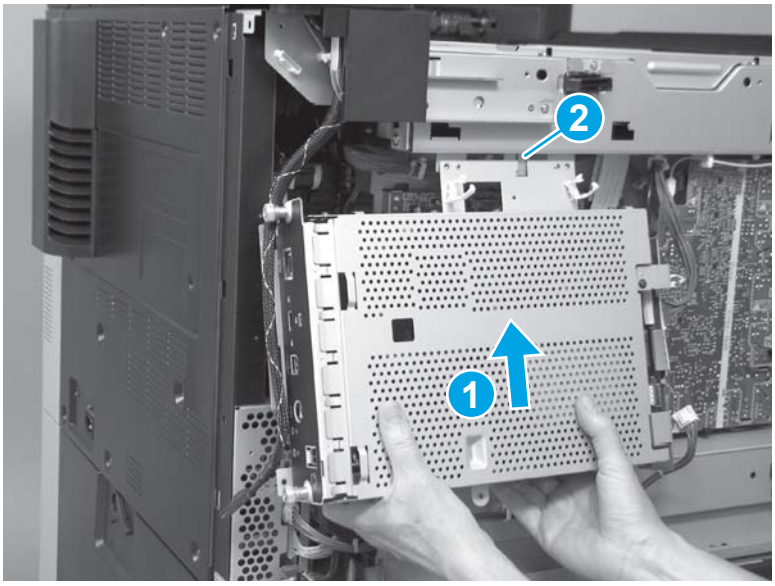
3. Remove seven screws (callout 1).

Figure 1-382 Remove the formatter, formatter case, and ICB (3 of 4)



4. Lift up (callout 1) to release one hook (callout 2), and then remove the formatter, formatter case, and ICB.

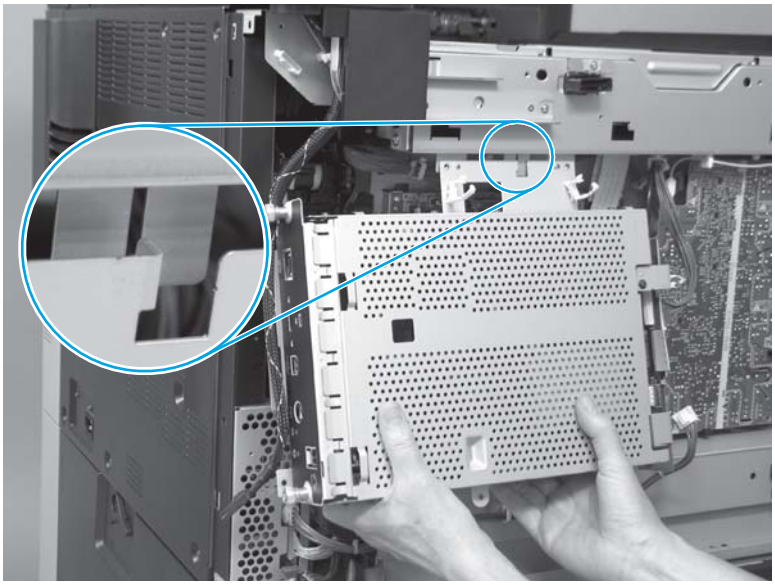
Figure 1-383 Remove the formatter, formatter case, and ICB (4 of 4)



Reinstall the formatter, formatter case, and ICB

Make sure that the hook on the formatter case is installed in the slot on the chassis.

Figure 1-384 Reinstall the formatter, formatter case, and ICB



High-voltage power supply (HVPS) B

⚠ CAUTION: ESD sensitive assembly.

Before proceeding, remove the following assemblies:

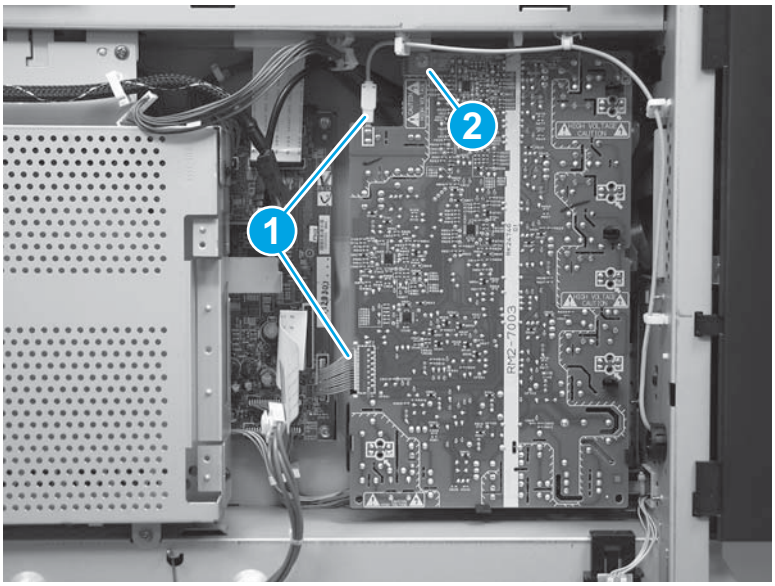
- Remove one of the following, depending upon product configuration:
  - Face-down bin. See Face-down bin on page 101.
  - Intermediate paper transport unit (IPTU). See IPTU assembly on page 437.
- Left rear cover. See Left rear cover on page 104.
- Left cover. See Left cover on page 118.

Remove the HVPS B

1. Disconnect two connectors (callout 1), and then remove one screw (callout 2).

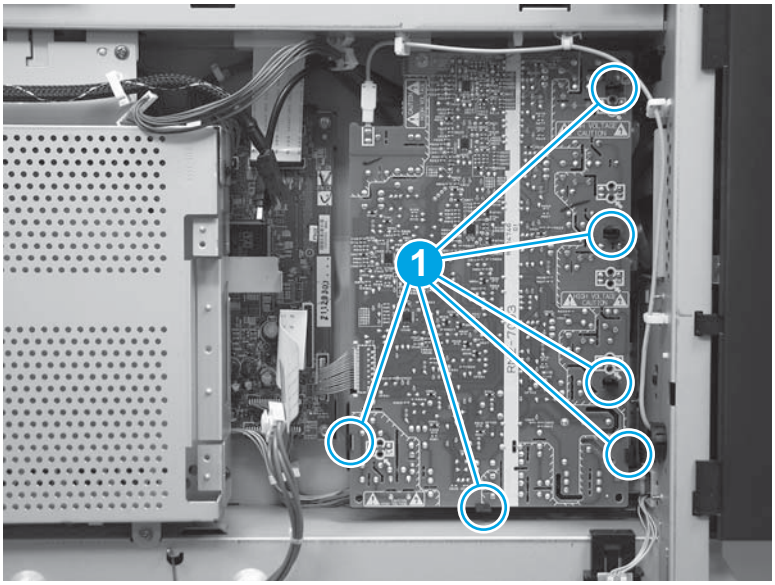
⚠ CAUTION: Use care when disconnecting the white plastic connector at the top of the PCA. It can be easily damaged.

Figure 1-385 Remove the HVPS B (1 of 2)



2. Release six tabs (callout 1) and then remove the HVPS B.

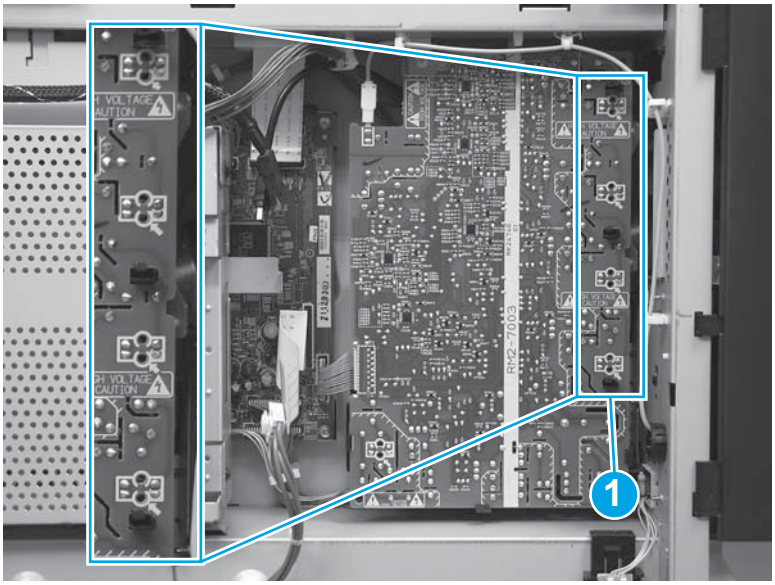
Figure 1-386 Remove the HVPS B (2 of 2)



Reinstall the HVPS B

1. After the HVPS B is installed and all tabs are in place, locate the circular locator windows (callout 1) along the side of the HVPS B.

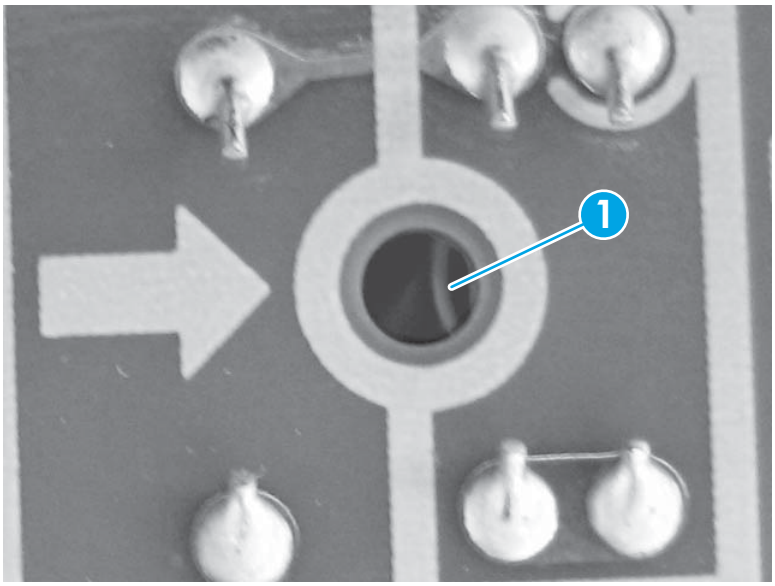
Figure 1-387 Reinstall the HVPS B (1 of 2)



2. Make sure that the contact spring (callout 1) can be seen through the eight locator windows. If the spring cannot be seen, remove and reinstall the HVPS B.

NOTE: No error message is displayed on the control panel if these springs are positioned incorrectly. Poor print quality will be the only indicator.

Figure 1-388 Reinstall the HVPS B (2 of 2)



DC controller PCA

CAUTION: ESD sensitive assembly.

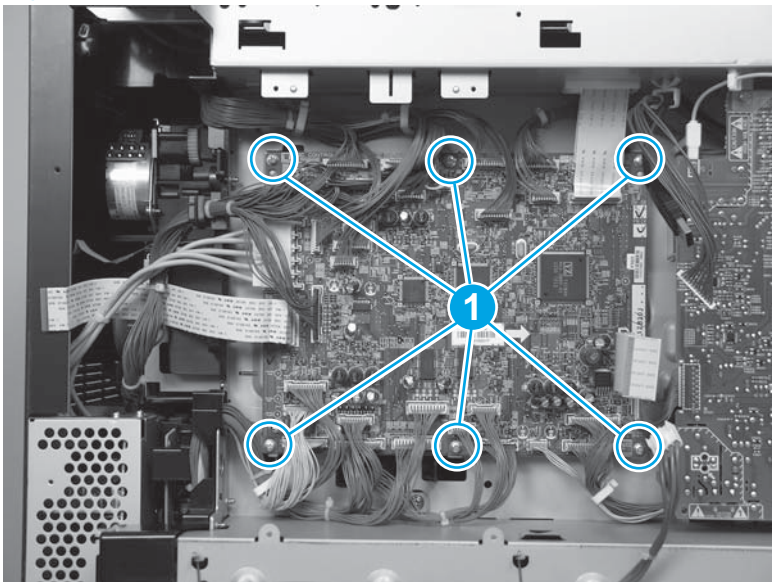
Before proceeding, remove the following assemblies:

- Remove one of the following, depending upon product configuration:
  - Face-down bin. See Face-down bin on page 101.
  - Intermediate paper transport unit (IPTU). See IPTU assembly on page 437.
- Left rear cover. See Left rear cover on page 104.
- Left cover. See Left cover on page 118.
- Formatter case. See Formatter case on page 255.

Remove the DC controller PCA

Disconnect all of the connectors on the DC controller PCA. Remove six screws (callout 1), and then remove the DC controller PCA.

Figure 1-389 Remove the DC controller PCA



Color-plane registration (CPR) sensor assembly

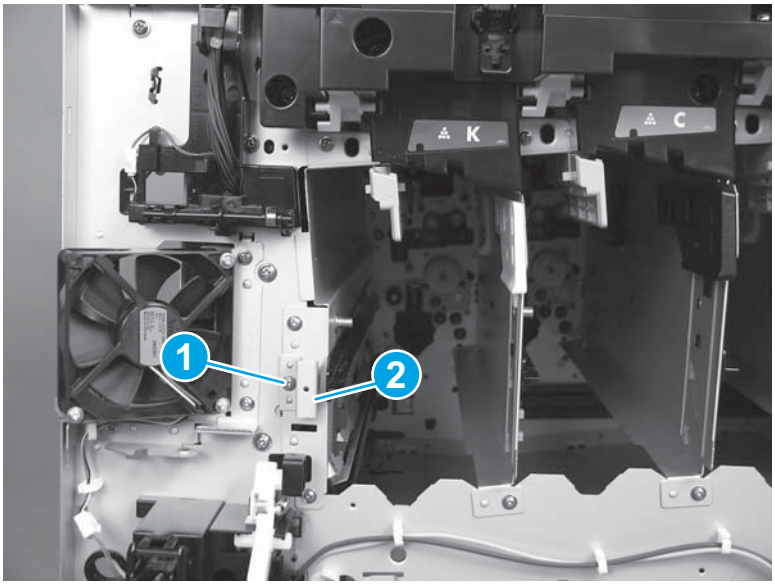
Before proceeding, remove the following assemblies:

- Remove one of the following, depending upon product configuration:
  - Face-down bin. See Face-down bin on page 101.
  - Intermediate paper transport unit (IPTU). See IPTU assembly on page 437.
- Left cover. See Left cover on page 118.
- Front top cover. See Front top cover on page 115.
- Front door assembly. See Front door on page 137.
- Left front cover. See Left front cover on page 133.
- Front inner cover. See Front inner cover on page 147.

Remove the CPR sensor assembly

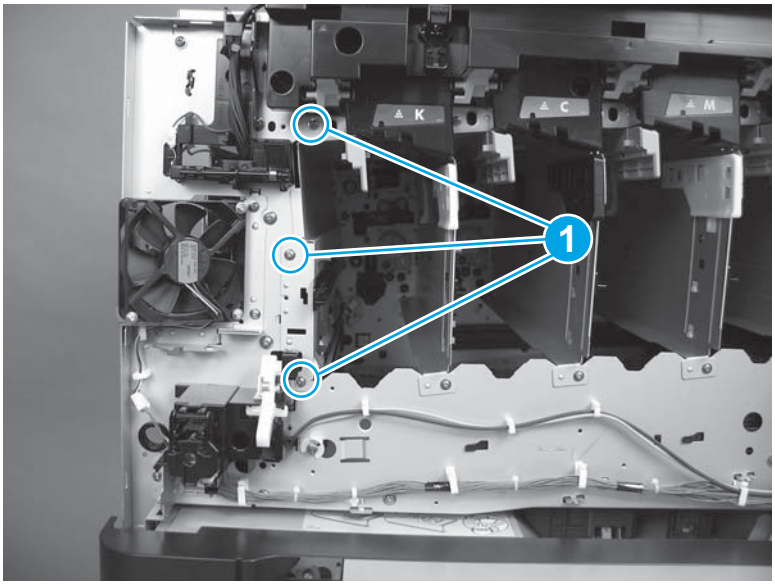
1. Remove one screw (callout 1), and then remove the bracket (callout 2).

Figure 1-390 Remove the CPR sensor assembly (1 of 5)



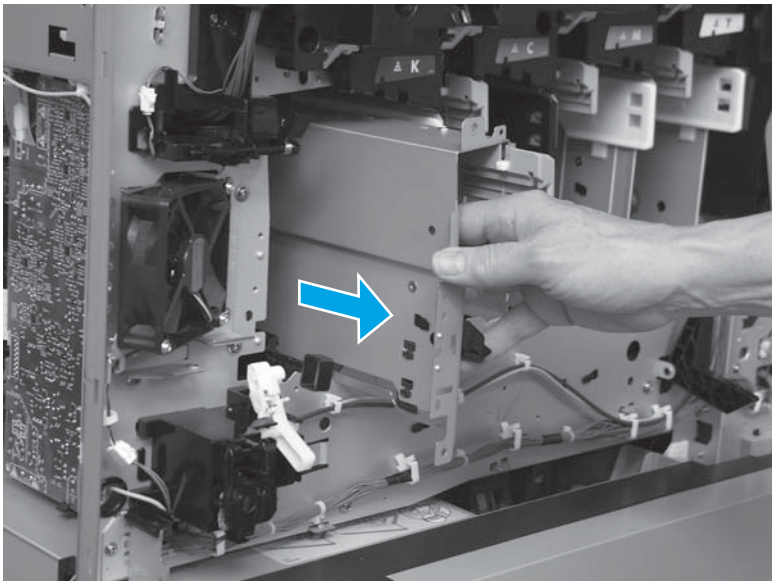
2. Remove three screws (callout 1).

Figure 1-391 Remove the CPR sensor assembly (2 of 5)



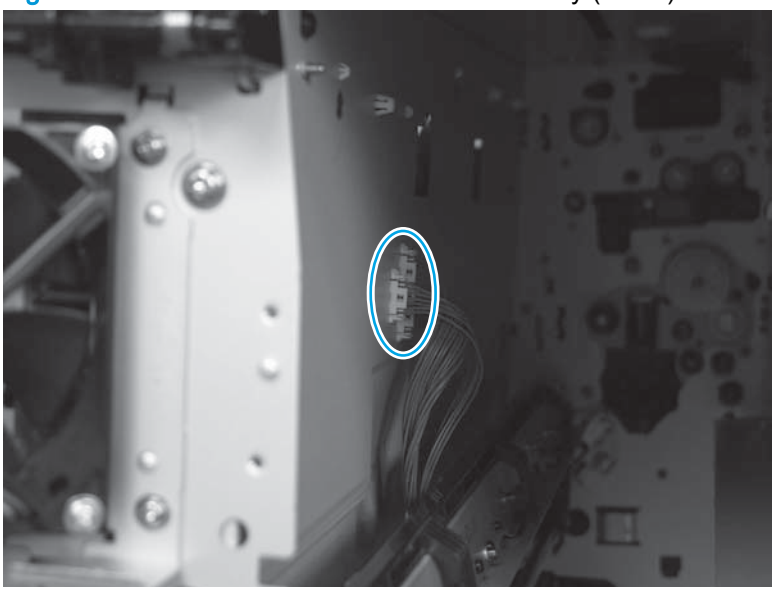
3. Slide the sheet-metal cover out of the product.

Figure 1-392 Remove the CPR sensor assembly (3 of 5)



4. Disconnect two connectors inside the cartridge cavity.

Figure 1-393 Remove the CPR sensor assembly (4 of 5)

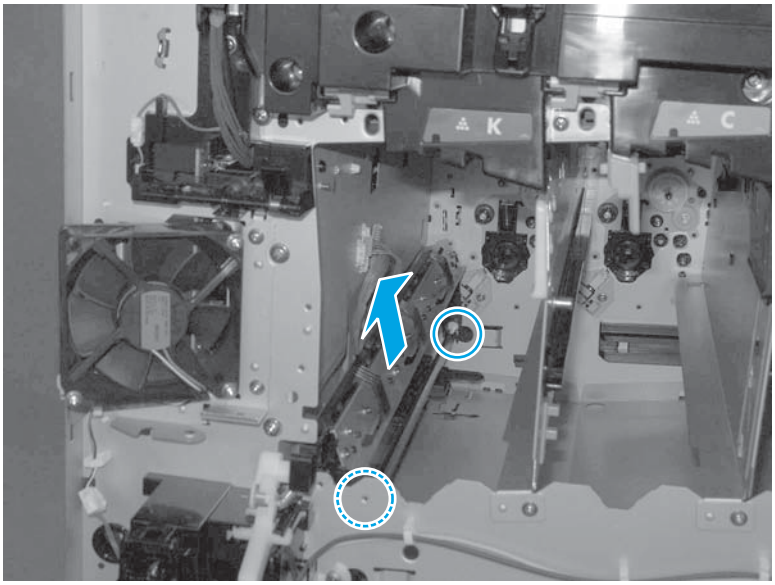


5. Lift the CPR sensor assembly up to release two hooks on the assembly from the metal rod.

NOTE: One clip is located toward the front of the product, and the other clip is located toward the back of the product.

Reinstallation tip Make sure that the clips are snapped into place when reinstalling the CPR sensor assembly.

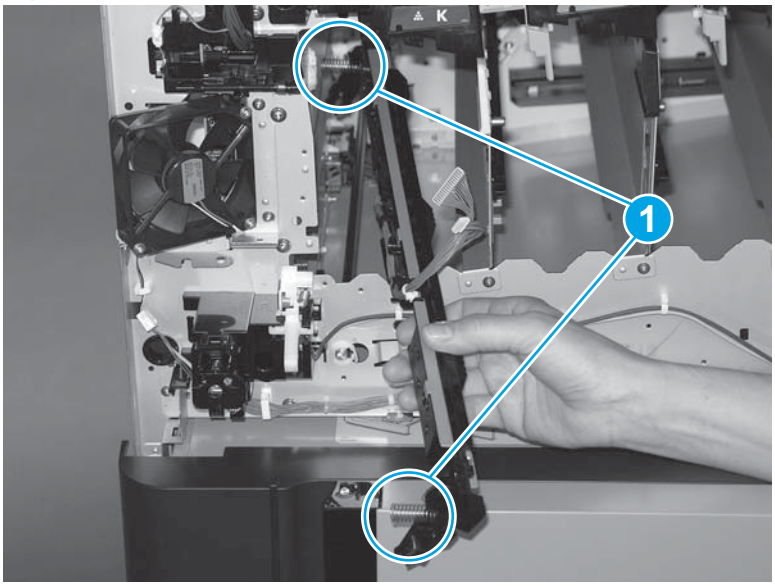
Figure 1-394 Remove the CPR sensor assembly (5 of 5)



Reinstall the CPR sensor assembly

1. Note the location of two springs (callout 1) on the CPR sensor assembly. When reinstalling the CPR sensor assembly, make sure that these springs are positioned between the CPR sensor assembly and the product chassis.

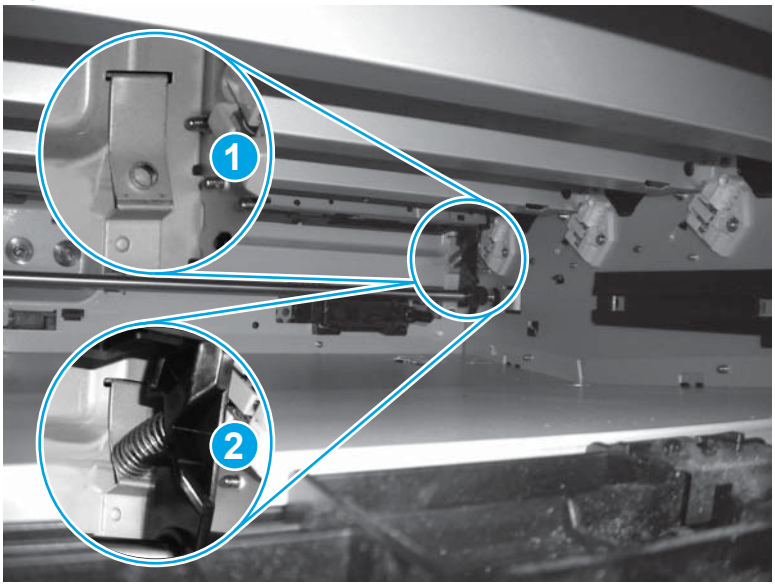
Figure 1-395 Reinstall the CPR sensor assembly (1 of 4)



2. After the CPR sensor assembly is reinstalled, look into the cavity where the ITB would be installed. Locate the spring pedestal (callout 1), and make sure that the CPR spring at the back right-hand corner is correctly positioned (callout 2).

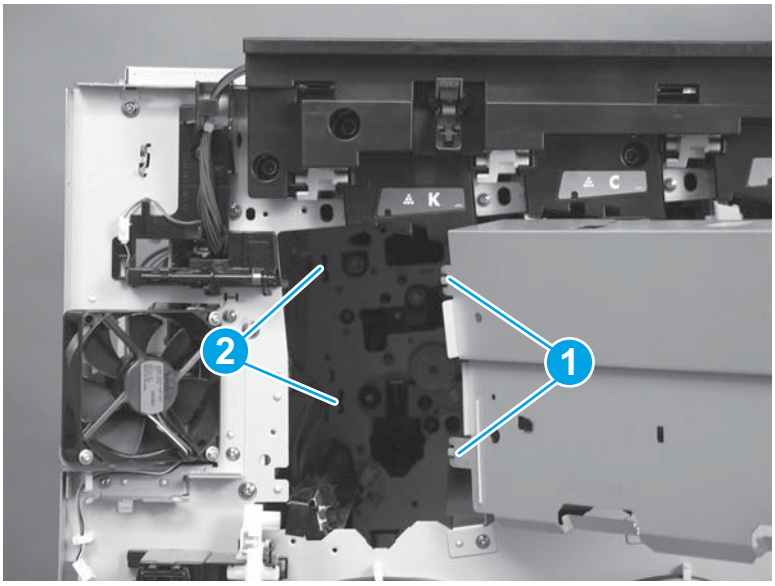
TIP: This spring can also be viewed by looking into the cavity where the black toner cartridge would be installed.

Figure 1-396 Reinstall the CPR sensor assembly (2 of 4)



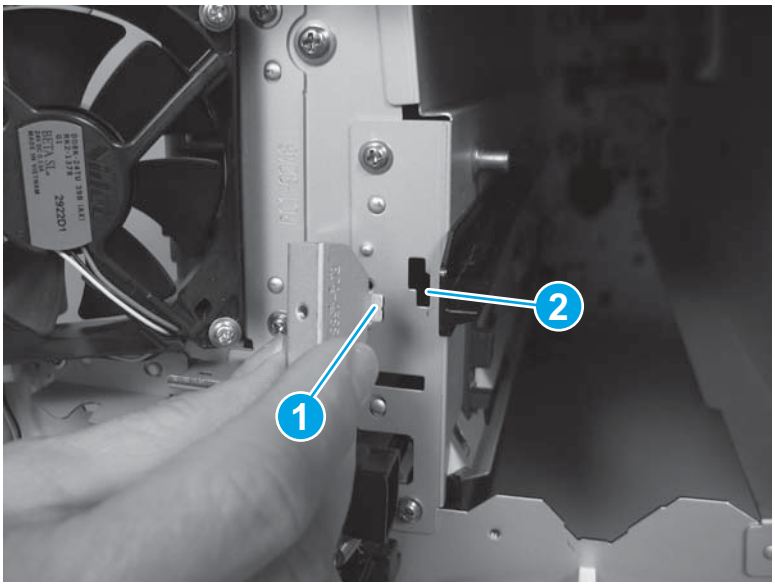
3. Make sure that the tabs (callout 1) on the sheet-metal cover are inserted into the slots (callout 2) inside the product.

Figure 1-397 Reinstall the CPR sensor assembly (3 of 4)



4. Make sure that the tab on the bracket (callout 1) is positioned in the slot in the chassis (callout 2).

Figure 1-398 Reinstall the CPR sensor assembly (4 of 4)



Low-voltage power supply (LVPS)

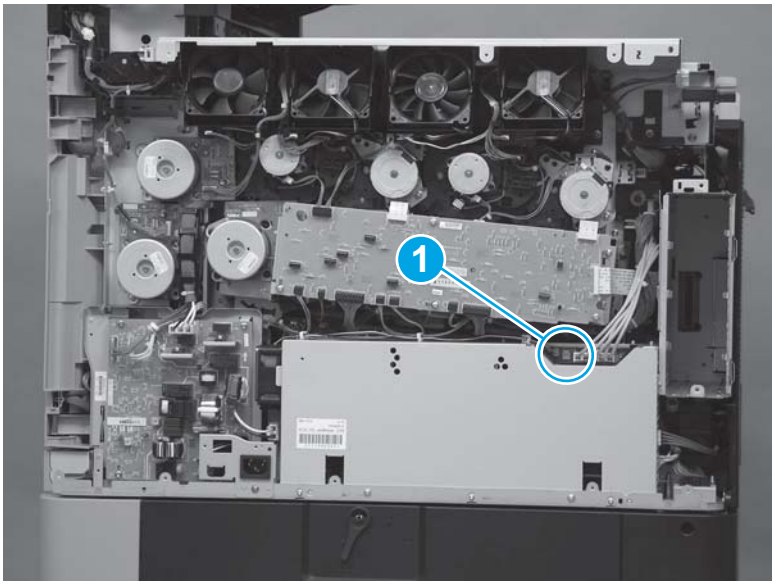
Before proceeding, remove the following assemblies:

- Left rear cover. See Left rear cover on page 104.
- Rear cover. See Rear cover on page 143.

Remove the LVPS

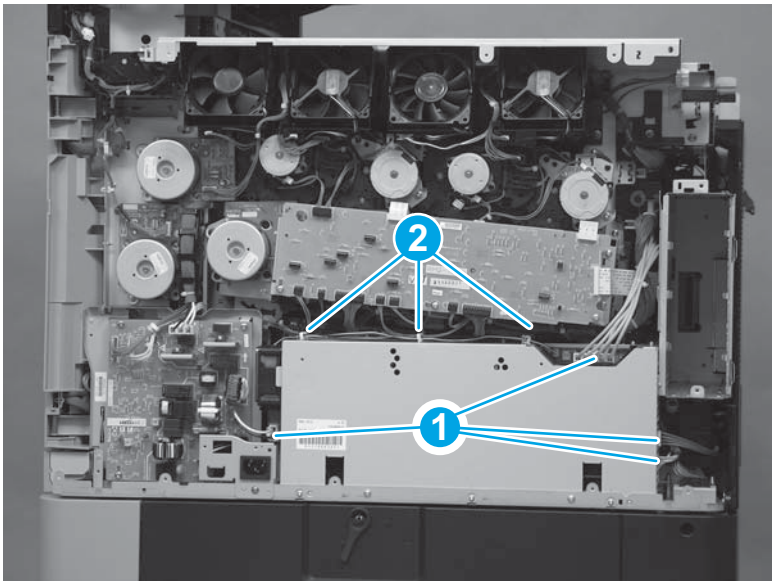
1. **M880 only**: Disconnect one connector (callout 1).

   Figure 1-399 Remove the LVPS (1 of 5)

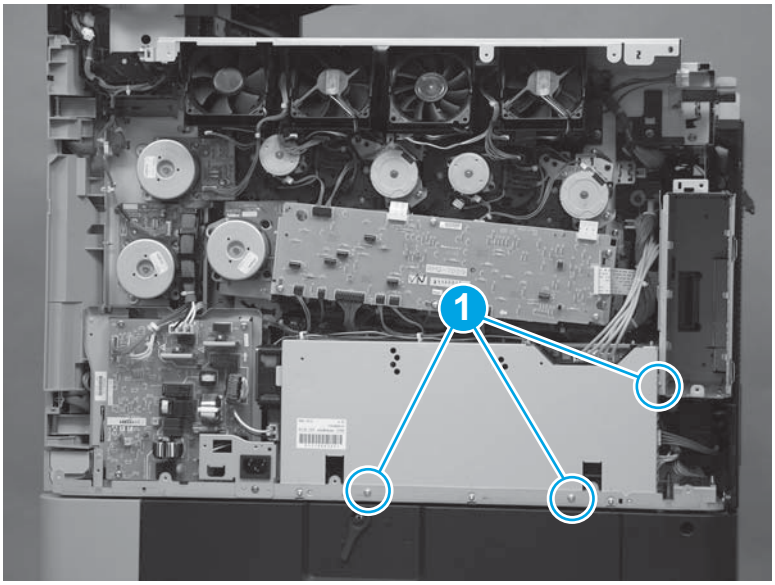
2. Disconnect four connectors (callout 1), and then release the wire harnesses from three retainers (callout 2).

   Figure 1-400 Remove the LVPS (2 of 5)

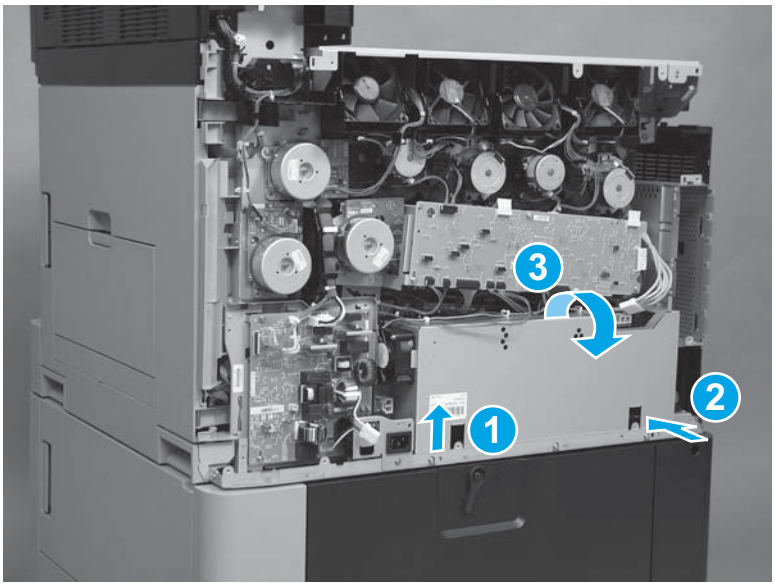
3. Remove three screws (callout 1).

Figure 1-401 Remove the LVPS (3 of 5)



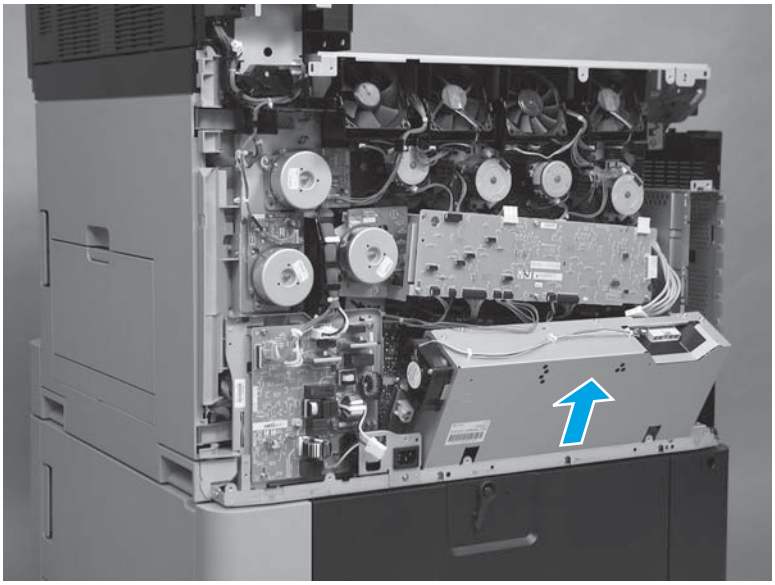
4. Lift the LVPS up (callout 1), push in on the lower right side (callout 2), and then rotate the top of the LVPS away from the product (callout 3).

Figure 1-402 Remove the LVPS (4 of 5)



5. Lift the LVPS up and out of the product

Figure 1-403 Remove the LVPS (5 of 5)



High-voltage power supply (HVPS) A (first transfer)

CAUTION: ESD sensitive assembly.

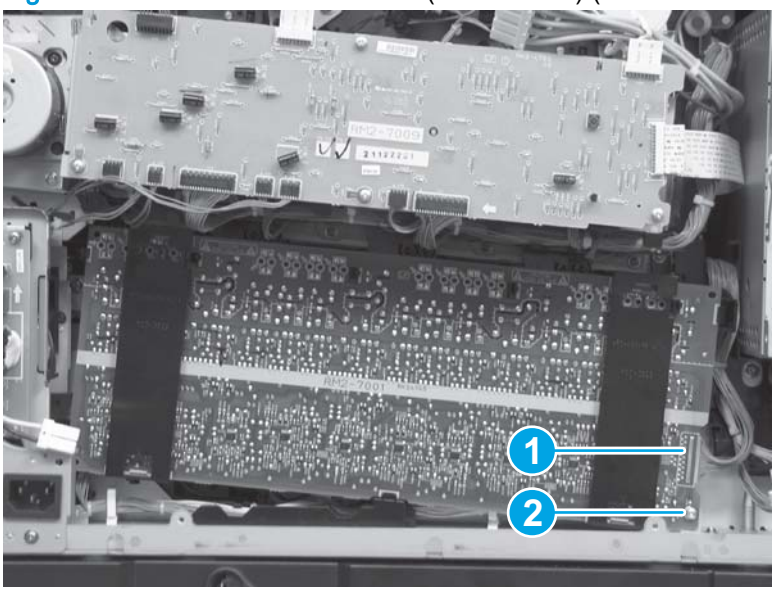
Before proceeding, remove the following assemblies:

- Left rear cover. See Left rear cover on page 104.
- Rear cover. See Rear cover on page 143.
- Low-voltage power supply (LVPS). See Low-voltage power supply (LVPS) on page 269.

Remove the HVPS A (first transfer)

1. Disconnect one connector (callout 1), and then remove one screw (callout 2).

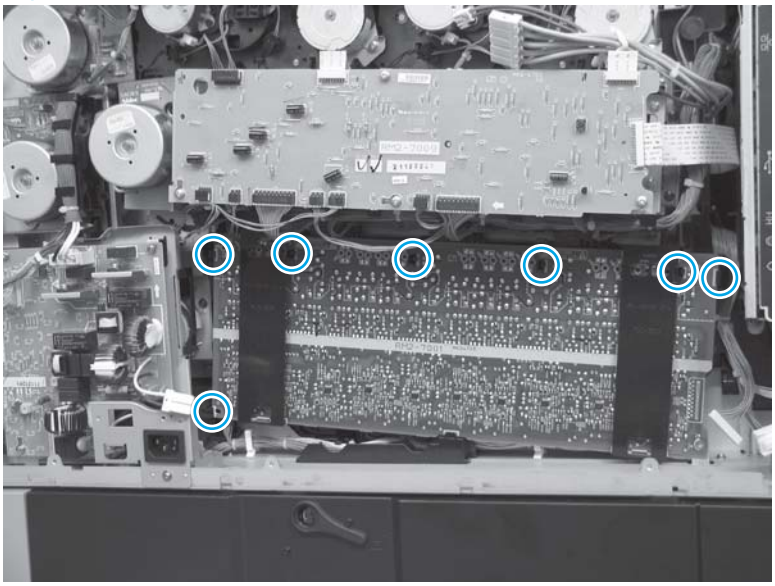
Figure 1-404 Remove the HVPS A (first transfer) (1 of 3



2. Release seven tabs.

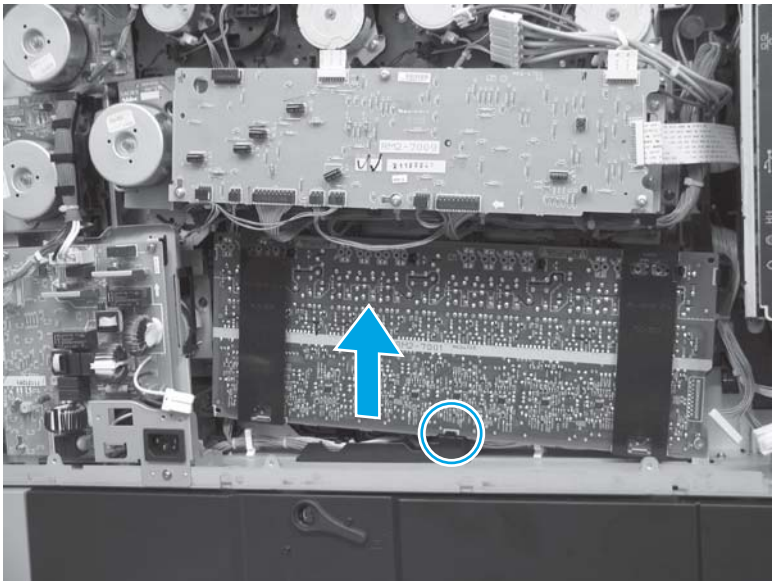
TIP: Release the corner tabs first.

Figure 1-405 Remove the HVPS A (first transfer) (2 of 3)



3. Lift the HVPS A up and off of one retainer, and then remove it from the product.

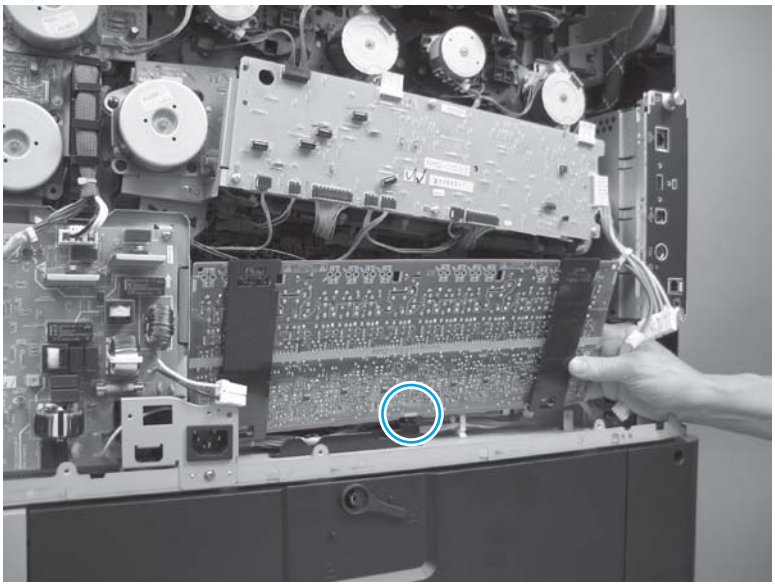
Figure 1-406 Remove the HVPS A (first transfer) (3 of 3)



Reinstall the HVPS A (first transfer)

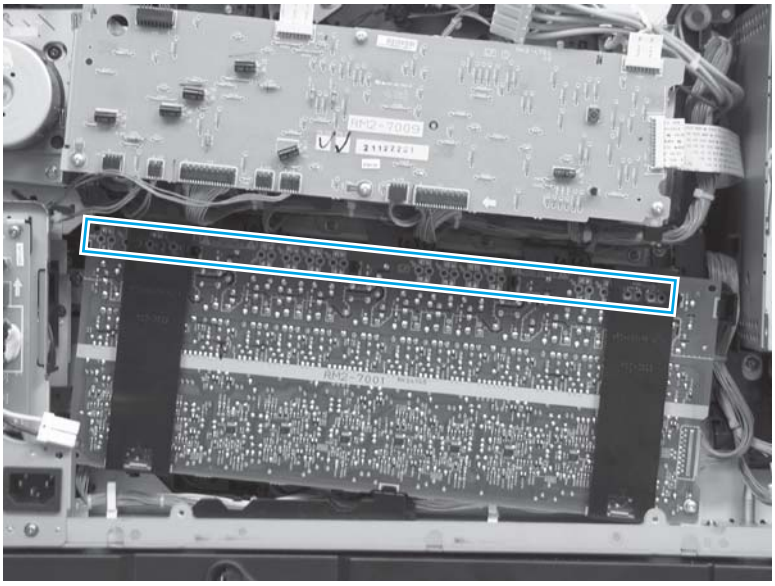
1. Position the slot bordered in white on the HVPS A into the retainer on the chassis before engaging the clips.

Figure 1-407 Reinstall the HVPS A (first transfer) (1 of 3)



2. After the HVPS A is installed and all tabs are in place, locate the circular locator windows across the top of the HVPS A.

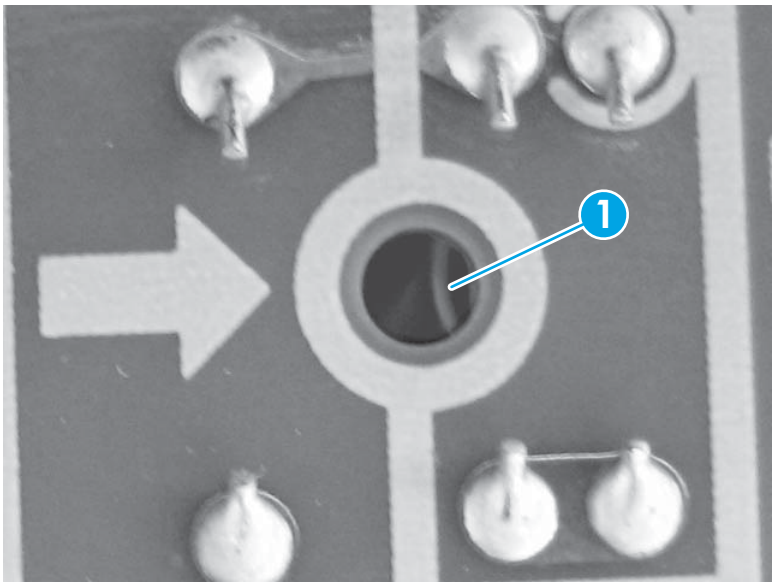
Figure 1-408 Reinstall the HVPS A (first transfer) (2 of 3)



3. Make sure that the contact spring (callout 1) can be seen through the 32 locator windows. If the spring cannot be seen, remove and reinstall the HVPS A (first transfer).

NOTE: No error message is displayed on the control panel if these springs are positioned incorrectly. Poor print quality will be the only indicator.

Figure 1-409 Reinstall the HVPS A (first transfer) (3 of 3)



Lifter-drive assembly

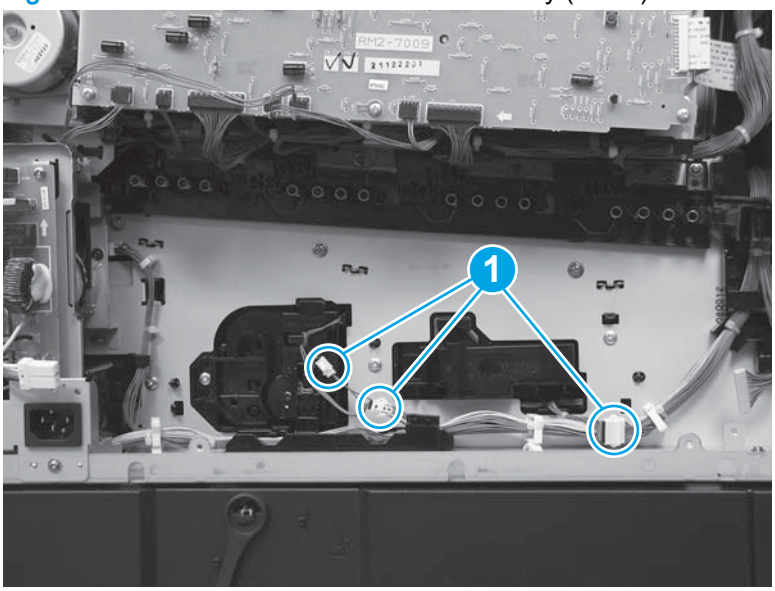
Before proceeding, remove the following assemblies:

- Tray 2. See Tray 2, 1x500 Tray 3, 3x500 Tray 3, 3x500 Tray 4, and 3x500 Tray 5 on page 18.
- Left rear cover. See Left rear cover on page 104.
- Rear cover. See Rear cover on page 143.
- Low-voltage power supply (LVPS). See Low-voltage power supply (LVPS) on page 269.
- High-voltage power supply (HVPS) A (first transfer). See High-voltage power supply (HVPS) A (first transfer) on page 272.

Remove the lifter-drive assembly

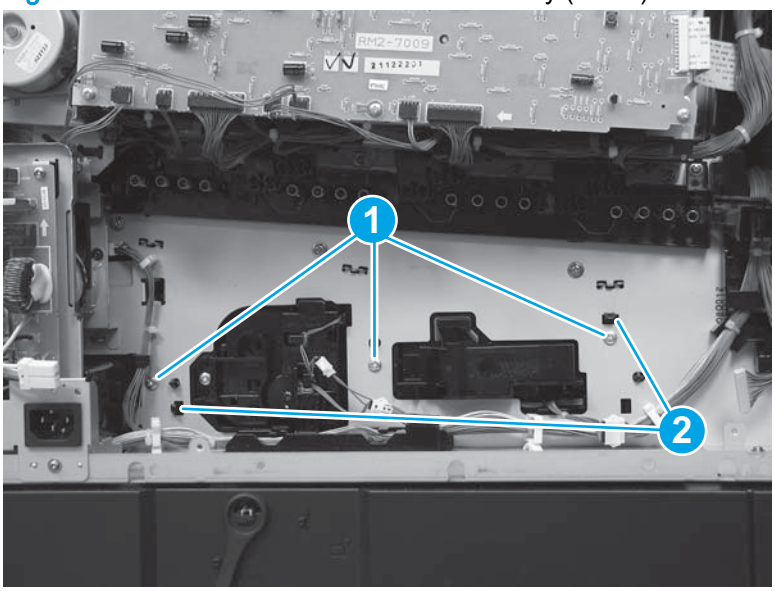
1. Disconnect three connectors (callout 1).

Figure 1-410 Remove the lifter-drive assembly (1 of 3)



2. Remove three screws (callout 1), and then release two tabs (callout 2).

Figure 1-411 Remove the lifter-drive assembly (2 of 3)



3. Remove the lifter-drive assembly through the Tray 2 cavity.

Figure 1-412 Remove the lifter-drive assembly (3 of 3)

Reinstall the lifter-drive assembly

1. When reinstalling the lifter-drive assembly, make sure that the assembly is unlocked (callout 1). If the lifter is locked (callout 2), the lifter will not function properly.

Figure 1-413 Unlocked position of the lifter-driver assembly (correct)

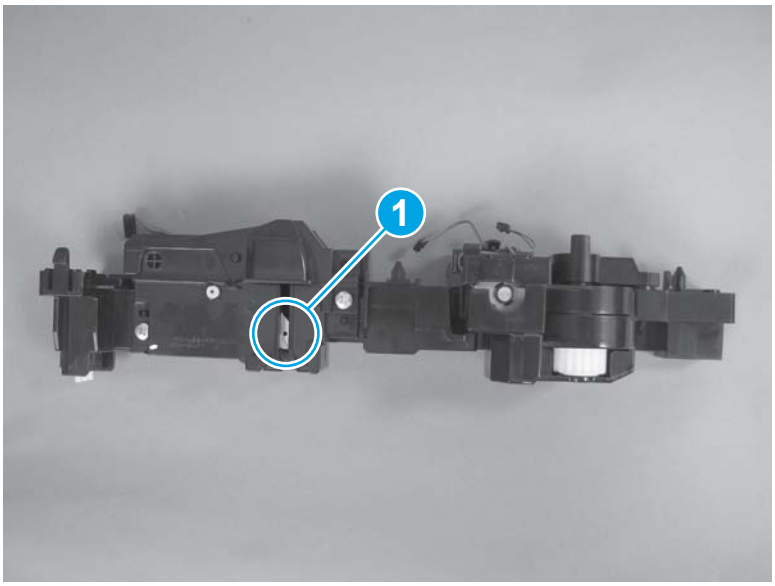
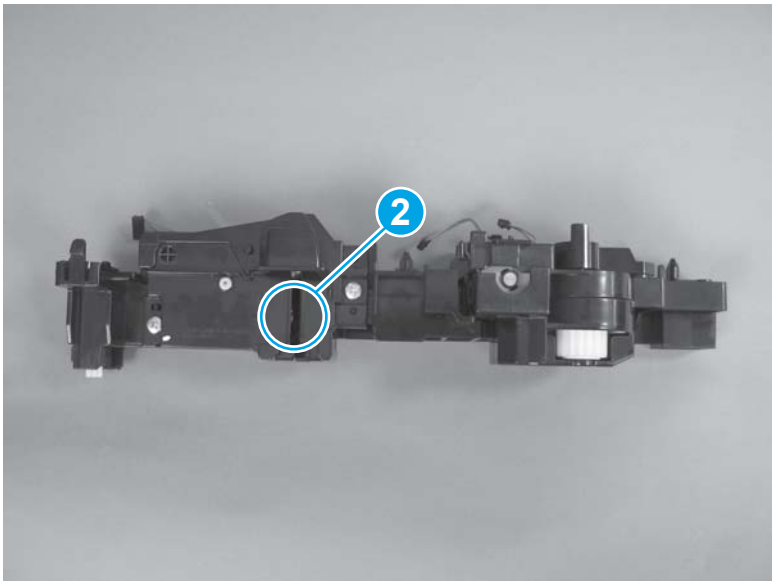
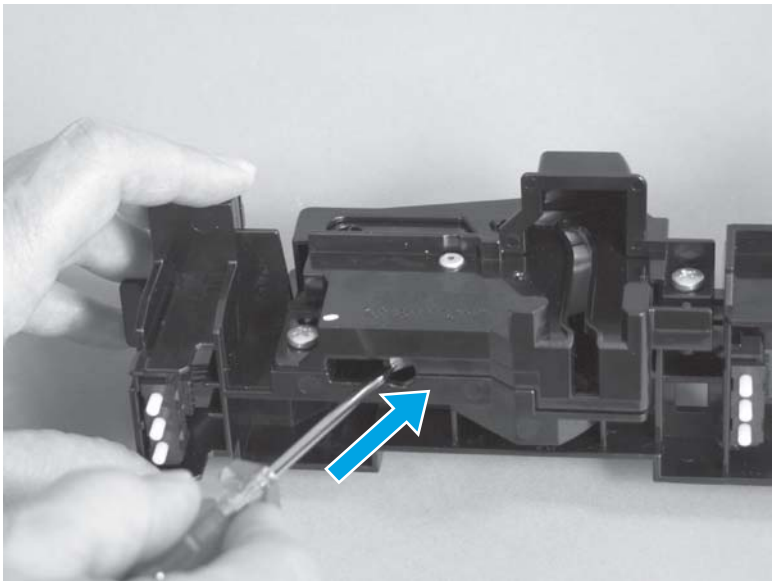


Figure 1-414 Locked position of the lifter-driver assembly (incorrect)



2. If the assembly is in the locked position (callout 2 above), use a small, flat-blade screwdriver to press on the spring-loaded metal plate and move it to the unlocked position.

Figure 1-415 Unlocking the lifter-drive assembly



Toner-cartridge drive assembly (yellow and magenta)

Before proceeding, remove the following assemblies:

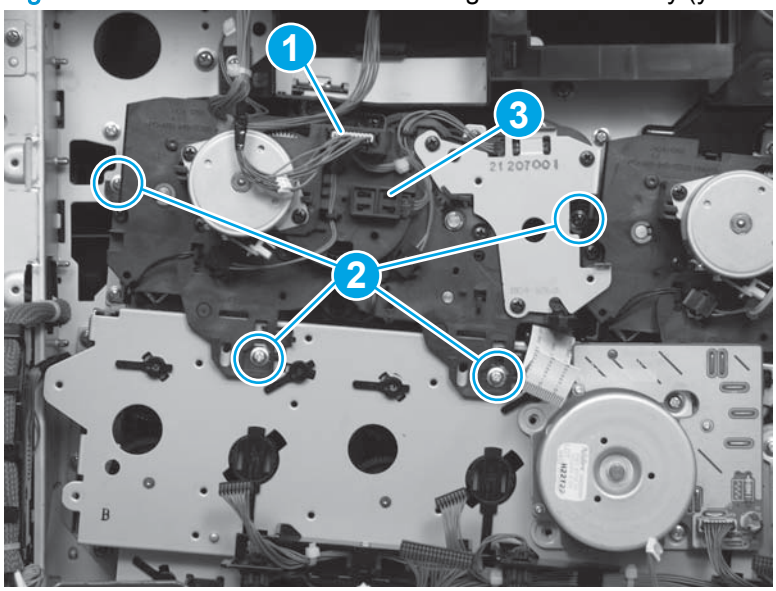
- All four toner cartridges. See Toner cartridge on page 14.
- All four imaging drums. See Imaging drum on page 15.
- Left rear cover. See Left rear cover on page 104.
- Rear cover. See Rear cover on page 143.
- Memory tag PCA. See Memory tag PCA on page 230.
- Fuser fan FM2. See Fuser fan FM2 on page 207.
- Cartridge fan FM3 (yellow and magenta). See Cartridge fan FM3 (yellow and magenta) on page 214.
- Laser/scanner fan FM1. See Laser/scanner fan FM1 on page 222.
- All four image drum motors. See Image-drum motor on page 233.
- Fuser motor. See Fuser motor on page 242.
- Fuser fan duct. See Fuser fan duct on page 211.
- Toner-cartridge feed motor (yellow, magenta, and cyan). See Toner-cartridge feed motor (yellow, magenta, and cyan) on page 245.

Remove the toner-cartridge drive assembly (yellow and magenta)

Disconnect one connector (callout 1), remove four screws (callout 2), and then remove the toner-cartridge drive assembly (yellow and magenta; callout 3).

NOTE: Two of the screws are longer than the other two. See the reinstallation instructions below.

Figure 1-416 Remove the toner-cartridge drive assembly (yellow and magenta)

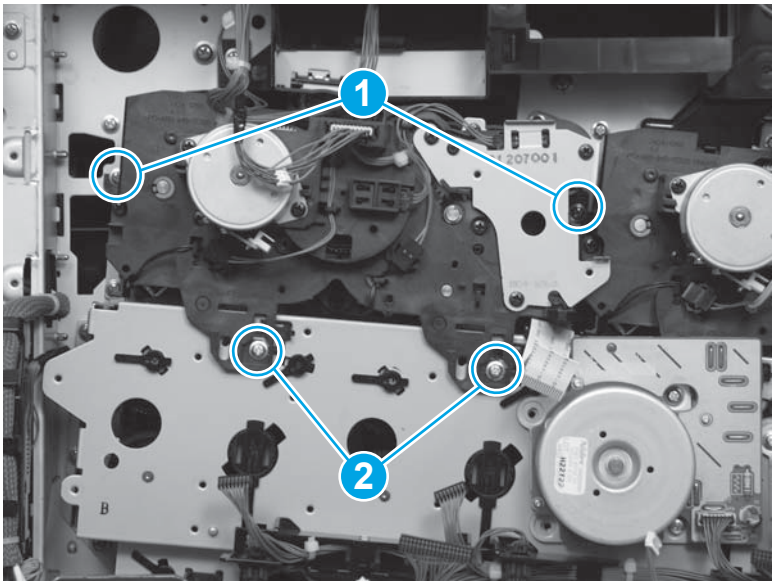


Reinstall the toner-cartridge drive assembly (yellow and magenta)

1. Follow the gear-alignment procedure when replacing or reinstalling the toner-cartridge drive assembly (yellow and magenta). See Replace or reinstall the toner-cartridge drive assemblies or the main drive assembly on page 291.
2. After the gear-alignment procedure is complete, install the two longer screws in the top positions (callout 1), and then install the two shorter screws in the lower positions (callout 2).

NOTE: Move the black locks on the main drive assembly to the right (unlocked position) in order to install the lower screws in the toner-cartridge drive assembly.

Figure 1-417 Reinstall the toner-cartridge drive assembly (yellow and magenta)



Toner-cartridge drive assembly (cyan and black)

Before proceeding, remove the following assemblies:

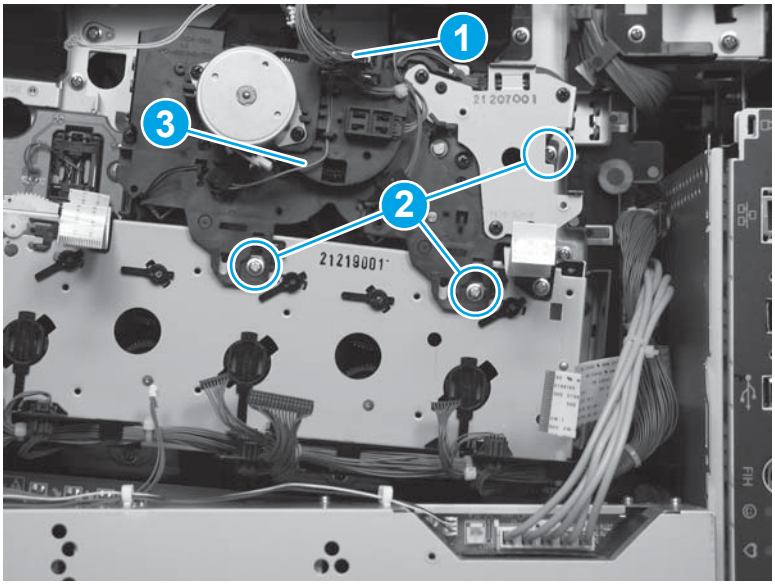
- All four toner cartridges. See Toner cartridge on page 14.
- All four imaging drums. See Imaging drum on page 15.
- Left rear cover. See Left rear cover on page 104.
- Rear cover. See Rear cover on page 143.
- Fuser fan FM2. See Fuser fan FM2 on page 207.
- Fuser fan duct. See Fuser fan duct on page 211.
- Cartridge fan FM3 (yellow and magenta). See Cartridge fan FM3 (yellow and magenta) on page 214.
- Cartridge fan FM4 (cyan and black). See Cartridge fan FM4 (cyan and black) on page 218.
- Laser/scanner fan FM1. See Laser/scanner fan FM1 on page 222.
- Memory tag PCA. See Memory tag PCA on page 230.
- All four image drum motors. See Image-drum motor on page 233.
- Fuser motor. See Fuser motor on page 242.
- Toner-cartridge feed motor (black). See Toner-cartridge feed motor (black) on page 244.
- Toner-cartridge feed motor (yellow, magenta, and cyan). See Toner-cartridge feed motor (yellow, magenta, and cyan) on page 245.
- Toner-cartridge drive assembly (yellow and magenta). See Toner-cartridge drive assembly (yellow and magenta) on page 280.

Remove the toner-cartridge drive assembly (cyan and black)

Disconnect one connector (callout 1), remove three screws (callout 2), and then remove the toner-cartridge drive assembly (cyan and black; callout 3).

NOTE: One of the screws is longer than the other two. See the reinstallation instructions below.

Figure 1-418 Remove the toner-cartridge drive assembly (cyan and black)



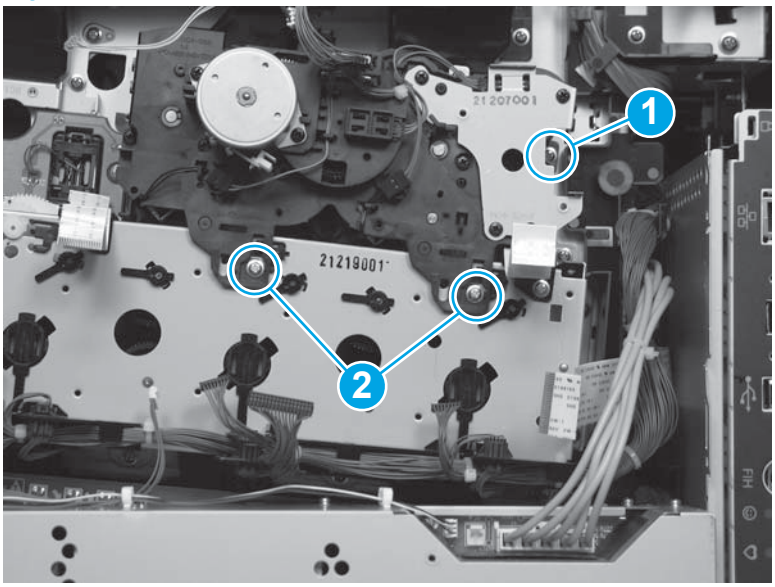
Reinstall the toner-cartridge drive assembly (cyan and black)

1. Follow the gear-alignment procedure when replacing or reinstalling the toner-cartridge drive assembly (cyan and black). See Replace or reinstall the toner-cartridge drive assemblies or the main drive assembly on page 291.

2. After the gear-alignment procedure is complete, install the longer screw in the top position (callout 1), and then install the two shorter screws in the lower positions (callout 2).

NOTE: Move the black locks on the main drive assembly to the right (unlocked position) in order to install the lower screws in the toner-cartridge drive assembly.

Figure 1-419 Reinstall the toner-cartridge drive assembly (cyan and black)



Cartridge interface PCA (cyan and black)

CAUTION: ESD sensitive assembly.

NOTE: This part is the same part number as the cartridge interface PCA (yellow and magenta).

Before proceeding, remove the following assemblies:

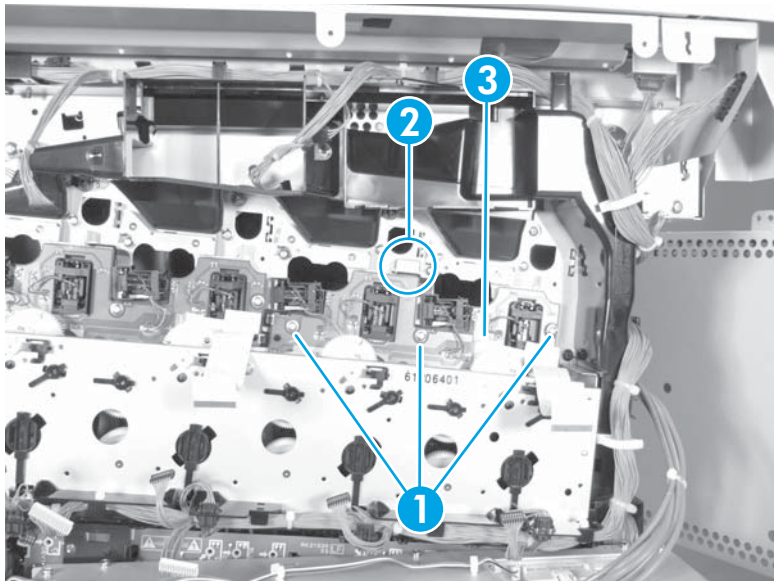
- All four toner cartridges. See Toner cartridge on page 14.
- All four imaging drums. See Imaging drum on page 15.
- Left rear cover. See Left rear cover on page 104.
- Rear cover. See Rear cover on page 143.
- Fuser fan FM2. See Fuser fan FM2 on page 207.
- Fuser fan duct. See Fuser fan duct on page 211.
- Cartridge fan FM3 (yellow and magenta). See Cartridge fan FM3 (yellow and magenta) on page 214.
- Cartridge fan FM4 (cyan and black). See Cartridge fan FM4 (cyan and black) on page 218.
- Laser/scanner fan FM1. See Laser/scanner fan FM1 on page 222.
- Memory tag PCA. See Memory tag PCA on page 230.
- All four image drum motors. See Image-drum motor on page 233.
- Fuser motor. See Fuser motor on page 242.
- Toner-cartridge feed motor (black). See Toner-cartridge feed motor (black) on page 244.
- Toner-cartridge feed motor (yellow, magenta, and cyan). See Toner-cartridge feed motor (yellow, magenta, and cyan) on page 245.
- Toner-cartridge drive assembly (yellow and magenta). See Toner-cartridge drive assembly (yellow and magenta) on page 280.
- Toner-cartridge drive assembly (cyan and black). See Toner-cartridge drive assembly (cyan and black) on page 282.

Remove the cartridge interface PCA (cyan and black)

Remove three screws (callout 1), release one tab (callout 2), and then remove the cartridge interface PCA (cyan and black; callout 3).

NOTE: These screws have washers attached.

Figure 1-420 Remove the cartridge interface PCA (cyan and black)



Cartridge interface PCA (yellow and magenta)

CAUTION: ESD sensitive assembly.

NOTE: This part is the same part number as the cartridge interface PCA (cyan and black).

Before proceeding, remove the following assemblies:

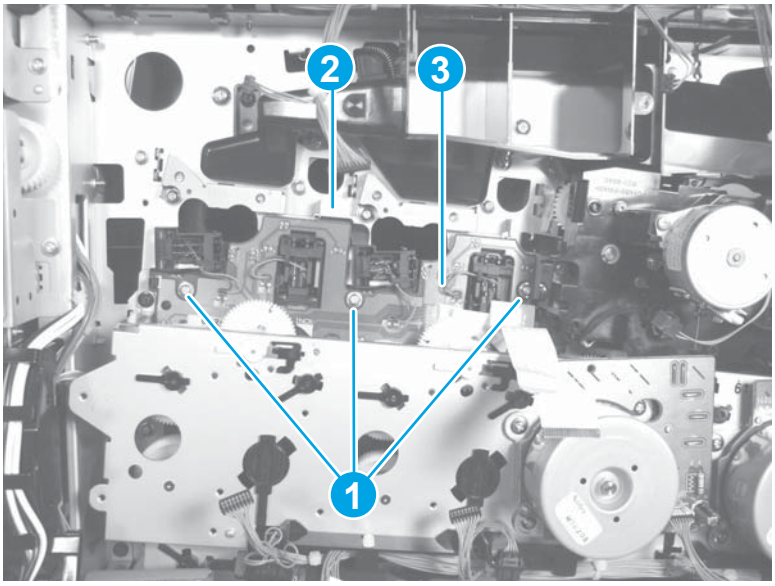
- All four toner cartridges. See Toner cartridge on page 14.
- All four imaging drums. See Imaging drum on page 15.
- Left rear cover. See Left rear cover on page 104.
- Rear cover. See Rear cover on page 143.
- Fuser fan FM2. See Fuser fan FM2 on page 207.
- Fuser fan duct. See Fuser fan duct on page 211.
- Cartridge fan FM4 (cyan and black). See Cartridge fan FM4 (cyan and black) on page 218.
- Cartridge fan FM3 (yellow and magenta). See Cartridge fan FM3 (yellow and magenta) on page 214.
- Laser/scanner fan FM1. See Laser/scanner fan FM1 on page 222.
- Memory tag PCA. See Memory tag PCA on page 230.
- All four image drum motors. See Image-drum motor on page 233.
- Fuser motor. See Fuser motor on page 242.
- Toner-cartridge feed motor (yellow, magenta, and cyan). See Toner-cartridge feed motor (yellow, magenta, and cyan) on page 245.
- Toner-cartridge drive assembly (yellow and magenta). See Toner-cartridge drive assembly (yellow and magenta) on page 280.

Remove the cartridge interface PCA (yellow and magenta)

Remove three screws (callout 1), release one tab (callout 2), and then remove the cartridge interface PCA (yellow and magenta; callout 3).

NOTE: These screws have washers attached.

Figure 1-421 Remove the cartridge interface PCA (yellow and magenta)



Main drive assembly

Before proceeding, remove the following assemblies:

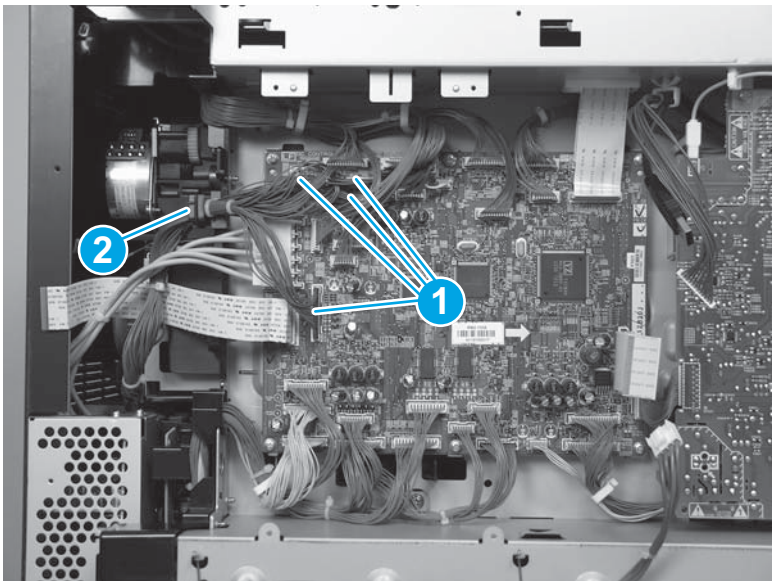
- All four toner cartridges. See Toner cartridge on page 14.
- Intermediate transfer belt (ITB). See Intermediate transfer belt (ITB) on page 19.
- Remove one of the following, depending upon product configuration:
  - Face-down bin. See Face-down bin on page 101.
  - Intermediate paper transport unit (IPTU). See IPTU assembly on page 437.
- Left rear cover. See Left rear cover on page 104.
- Left cover. See Left cover on page 118.
- Rear cover. See Rear cover on page 143.
- Fuser fan FM2. See Fuser fan FM2 on page 207.
- Fuser fan duct. See Fuser fan duct on page 211.
- Cartridge fan FM3 (yellow and magenta). See Cartridge fan FM3 (yellow and magenta) on page 214.
- Cartridge fan FM4 (cyan and black). See Cartridge fan FM4 (cyan and black) on page 218.
- Laser/scanner fan FM1. See Laser/scanner fan FM1 on page 222.
- Memory tag PCA. See Memory tag PCA on page 230.
- All four image drum motors. See Image-drum motor on page 233.
- Fuser power supply. See Fuser power supply on page 235.
- Intermediate transfer belt (ITB) alienation-drive assembly. See Intermediate transfer belt (ITB) alienation-drive assembly on page 240.
- Fuser motor. See Fuser motor on page 242.
- Toner-cartridge feed motor (black). See Toner-cartridge feed motor (black) on page 244.
- Toner-cartridge feed motor (yellow, magenta, and cyan). See Toner-cartridge feed motor (yellow, magenta, and cyan) on page 245.
- Formatter, formatter case, and interconnect board (ICB). See Formatter, formatter case, and interconnect board (ICB) on page 257.
- Low-voltage power supply (LVPS). See Low-voltage power supply (LVPS) on page 269.
- High-voltage power supply (HVPS) A (first transfer). See High-voltage power supply (HVPS) A (first transfer) on page 272.
- Toner-cartridge drive assembly (yellow and magenta). See Toner-cartridge drive assembly (yellow and magenta) on page 280.
- Toner-cartridge drive assembly (cyan and black). See Toner-cartridge drive assembly (cyan and black) on page 282.

- Cartridge interface PCA (cyan and black). See Cartridge interface PCA (cyan and black) on page 284.
- Cartridge interface PCA (yellow and magenta). See Cartridge interface PCA (yellow and magenta) on page 286.

Remove the main drive assembly

1. Disconnect four connectors (J113, J138, J141, and J142; callout 1) on the DC Controller, and then release the wire harnesses from the guide (callout 2).

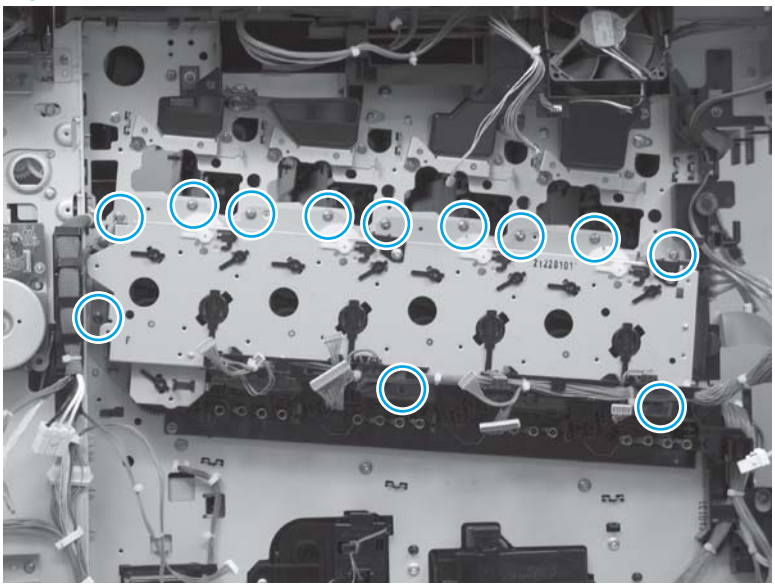
Figure 1-422 Remove the main drive assembly (1 of 2)



2. Remove 12 screws, and then remove the main drive assembly.

CAUTION: Do not remove the six red screws around the main drive assembly. Removal of these screws will cause damage to the assembly.

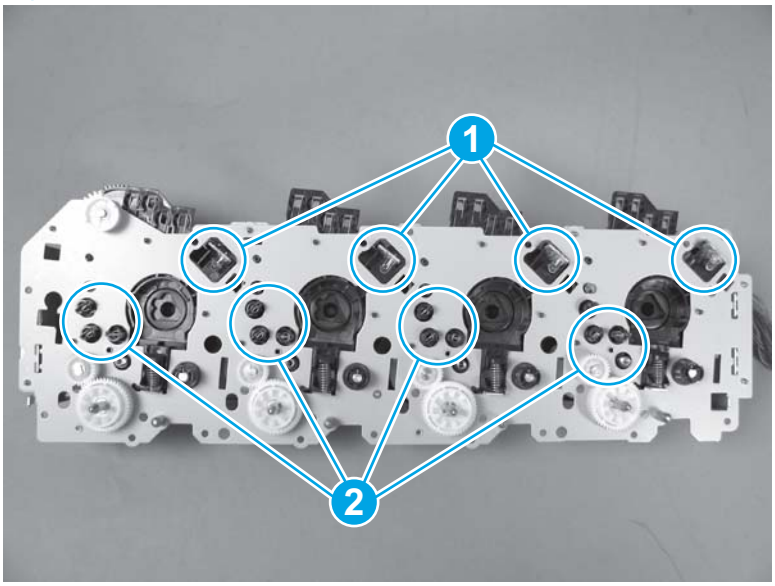
Figure 1-423 Remove the main drive assembly (2 of 2)



Reinstall the main drive assembly

1. Do not touch the LEDs (callout 1) or the bias connections (callout 2) on the back of the main drive assembly. Contamination of these parts by grease or oil might result in print quality problems.

   Figure 1-424 Reinstall the main drive assembly

2. Follow the gear-alignment procedure when replacing or reinstalling the main drive assembly. See Replace or reinstall the toner-cartridge drive assemblies or the main drive assembly on page 291.

Replace or reinstall the toner-cartridge drive assemblies or the main drive assembly

When the toner-cartridge drive units or the main drive assembly are installed on the product, the gears inside these assemblies must be realigned to ensure correct operation of the product. The following procedures explain how to align the gears when replacing the part or reinstalling the part after service.

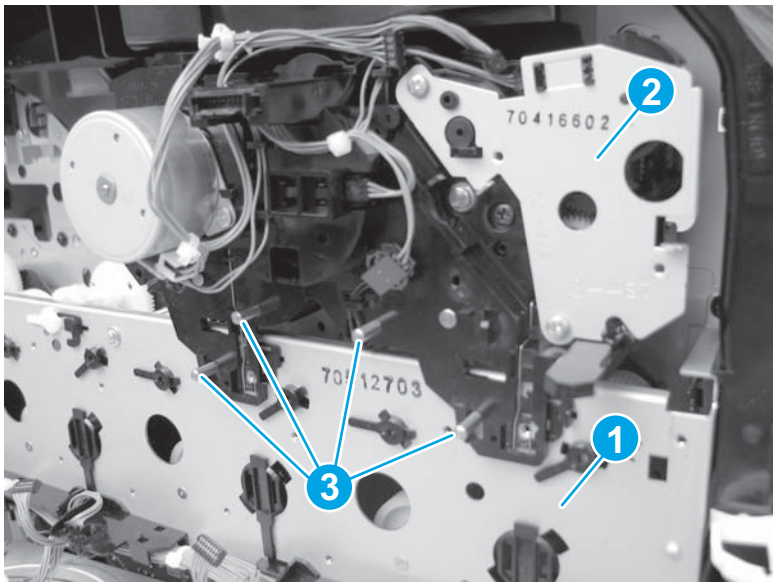
- If you are replacing the toner-cartridge drive assembly or the main drive assembly, see Replace the toner-cartridge drive assembly or the main drive assembly on page 291
- If you are reinstalling the current toner-cartridge drive assembly or the main drive assembly, see Reinstall the toner-cartridge drive assembly or the main drive assembly on page 296

Replace the toner-cartridge drive assembly or the main drive assembly

This procedure correctly aligns the gears of the main drive assembly (callout 1) and the toner-cartridge drive assembly(ies) (callout 2). Use the four pins (callout 3) supplied with the replacement units to align the gears.

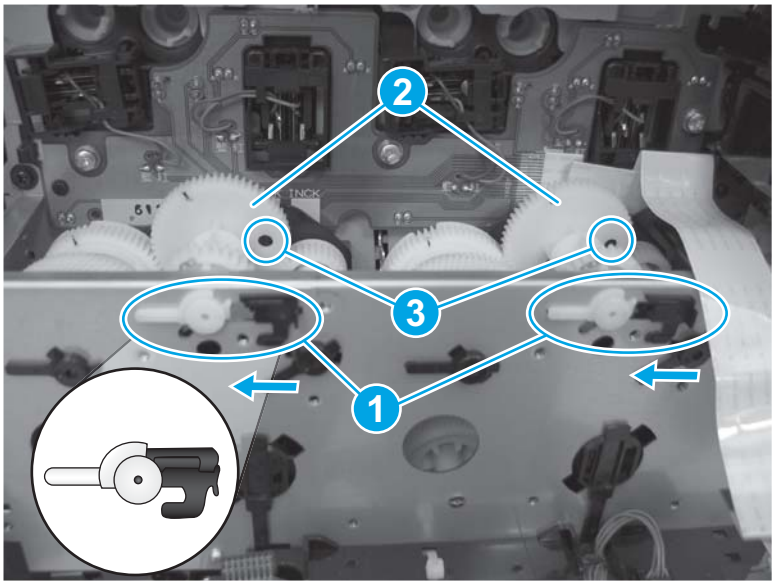
NOTE: The toner-cartridge drive assembly (black) is shown in the figure below.

Figure 1-425 Replace the toner-cartridge drive assembly or the main drive assembly (1 of 8)



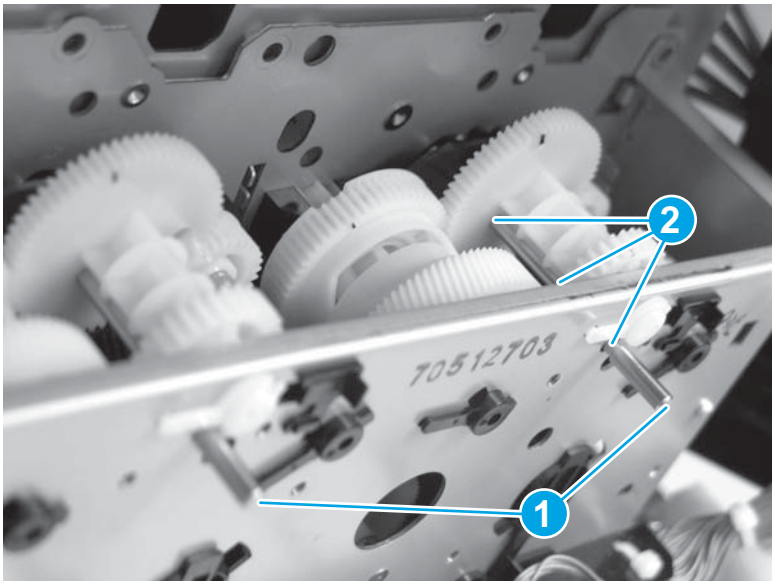
1. Reinstall the main drive assembly. Push the black locks (callout 1) to the left while rotating the top gears (callout 2) on the main drive assembly until they lock into position. The large holes (callout 3) should point to the right (3 o'clock position).

Figure 1-426 Replace the toner-cartridge drive assembly or the main drive assembly (2 of 8)



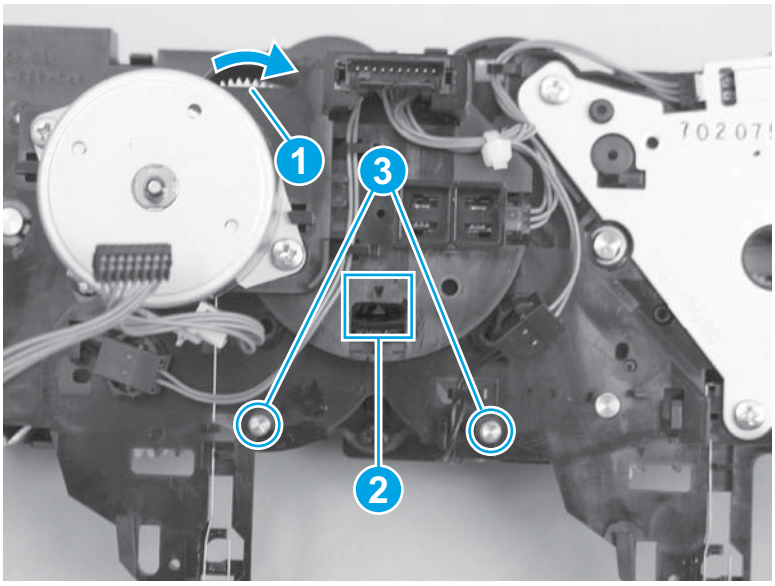
2. Insert the long alignment pins (callout 1) through the gears (callout 2) in the main drive assembly.

Figure 1-427 Replace the toner-cartridge drive assembly or the main drive assembly (3 of 8)



3. On the toner-cartridge drive assembly, rotate the top gear (callout 1) clockwise until the arrows align (callout 2). Insert the two short pins (callout 3).

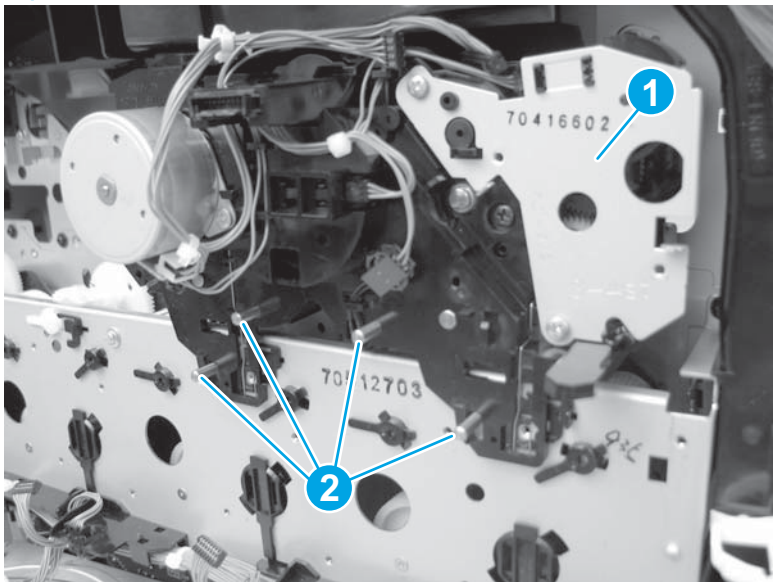
Figure 1-428 Replace the toner-cartridge drive assembly or the main drive assembly (4 of 8)



4. Install the toner-cartridge drive assembly (callout 1) over the long pins in the main drive assembly (callout 2).

NOTE: The toner-cartridge drive assembly (black) is shown in the figure below.

Figure 1-429 Replace the toner-cartridge drive assembly or the main drive assembly (5 of 8)



5. Check the installation of the toner-cartridge drive assembly.

⚠ **CAUTION:** Make sure that the toner-cartridge drive assembly is installed correctly. The assembly should be flush against the chassis (callout 1). Incorrect installation (callout 2) will cause the product to function incorrectly.

Figure 1-430 Correct position of toner-cartridge drive assembly (6 of 8)

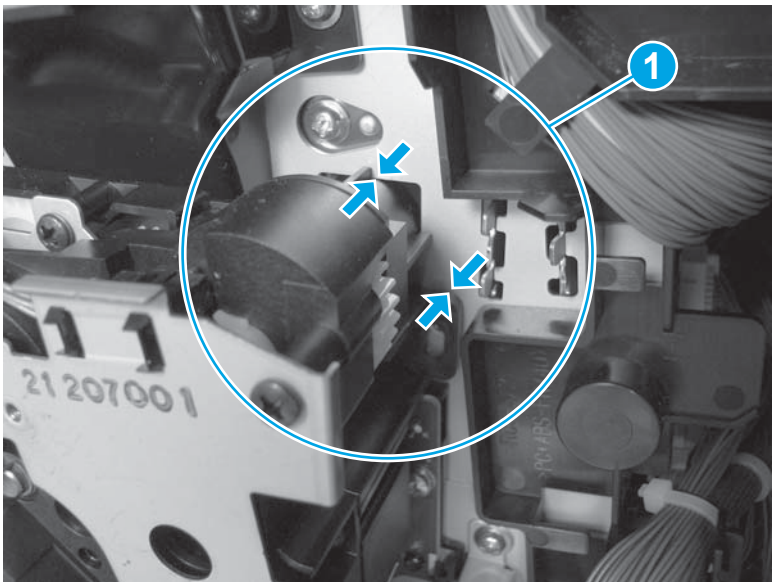
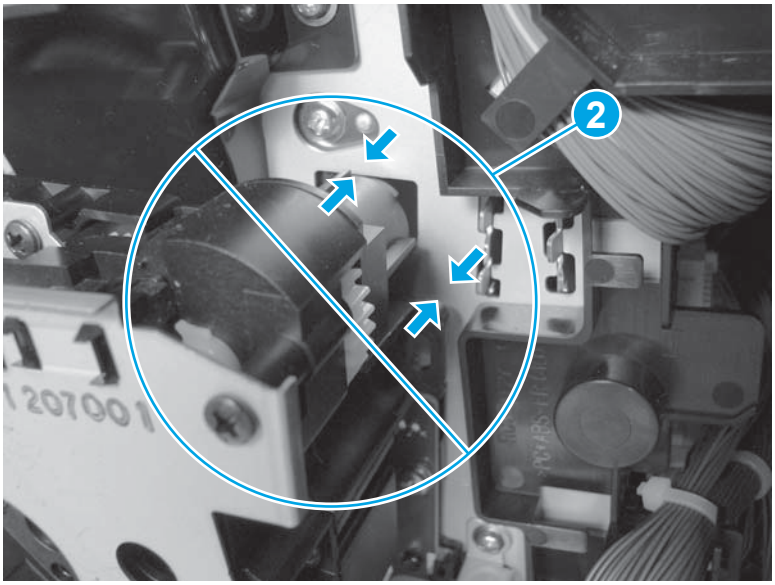


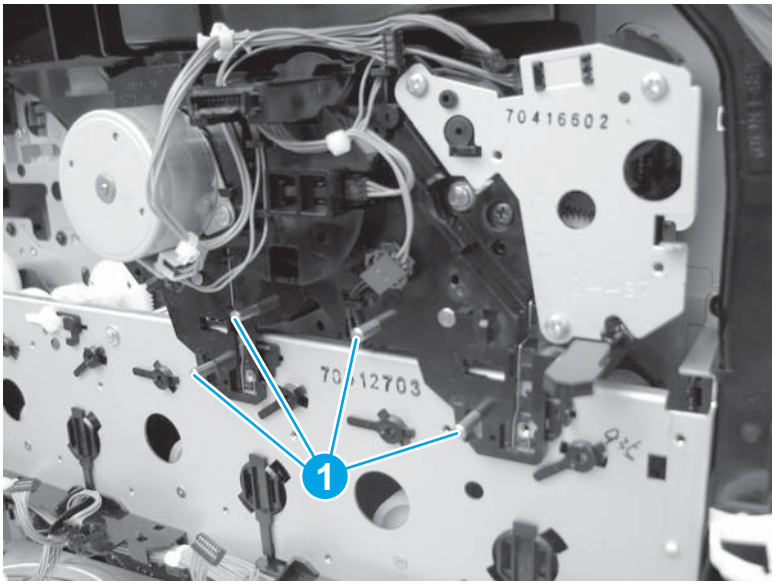
Figure 1-431 Incorrect position of toner-cartridge drive assembly (7 of 8)



6. Remove the alignment pins (callout 1).

NOTE: The toner-cartridge drive assembly (black) is shown in the figure below.

Figure 1-432 Replace the toner-cartridge drive assembly or the main drive assembly (8 of 8)



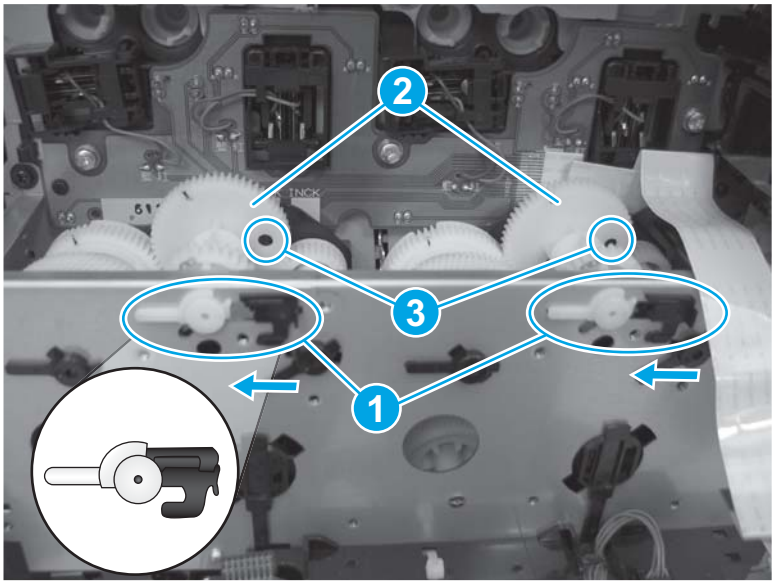
Reinstall the toner-cartridge drive assembly or the main drive assembly

This procedure correctly aligns the gears of the main drive assembly and the toner-cartridge drive assembly(ies) without the use of alignment pins.

1. Reinstall the main drive assembly. Push the black locks (callout 1) to the left while rotating the top gears (callout 2) on the main drive assembly until they lock into position. The large holes (callout 3) should point to the right (3 o'clock position).

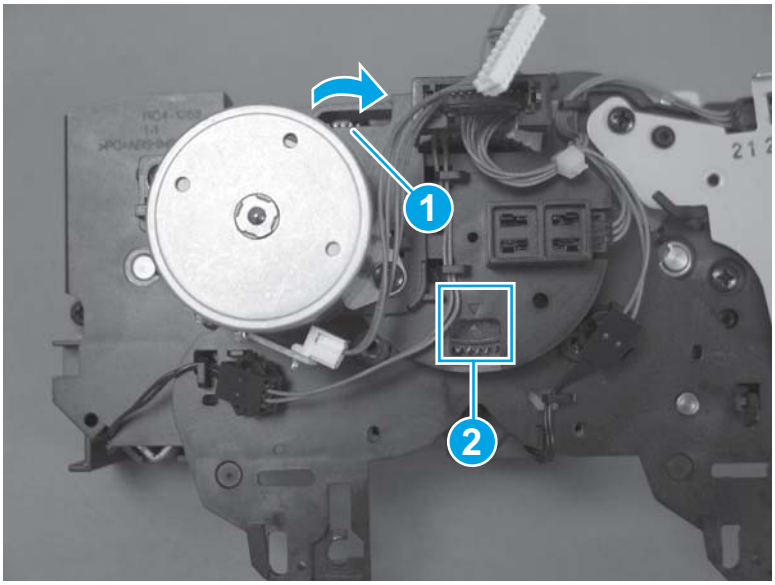
IMPORTANT: When reinstalling without the alignment pins, it is important to verify that the locks (callout 1) are engaged.

Figure 1-433 Reinstall the toner-cartridge drive assembly or the main drive assembly (1 of 4)



2. On the toner-cartridge drive assembly, rotate the top gear (callout 1) clockwise until the arrows align (callout 2).

Figure 1-434 Reinstall the toner-cartridge drive assembly or the main drive assembly (2 of 4)



3. Carefully install the toner-cartridge drive assembly.

NOTE: Be careful not to rotate the gears on the toner-cartridge drive assembly while installing it.

4. Check the installation of the toner-cartridge drive assembly.

CAUTION: Make sure that the toner-cartridge drive assembly is installed correctly. The assembly should be flush against the chassis (callout 1). Incorrect installation (callout 2) will cause the product to function incorrectly.

Figure 1-435 Correct position of toner-cartridge drive assembly (3 of 4)

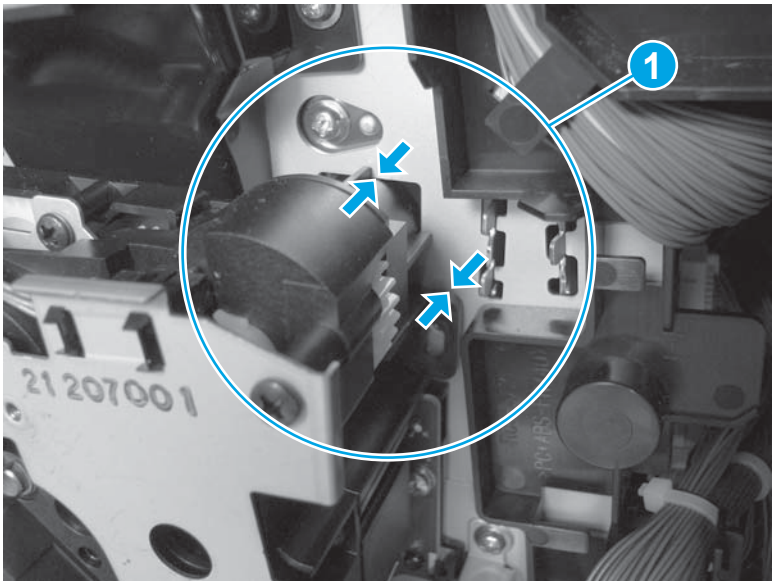
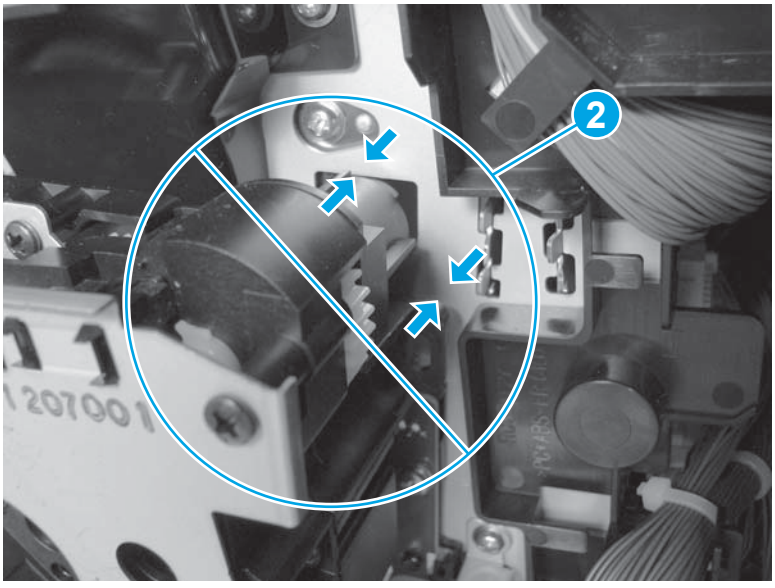


Figure 1-436 Incorrect position of toner-cartridge drive assembly (4 of 4)



Fuser drive assembly

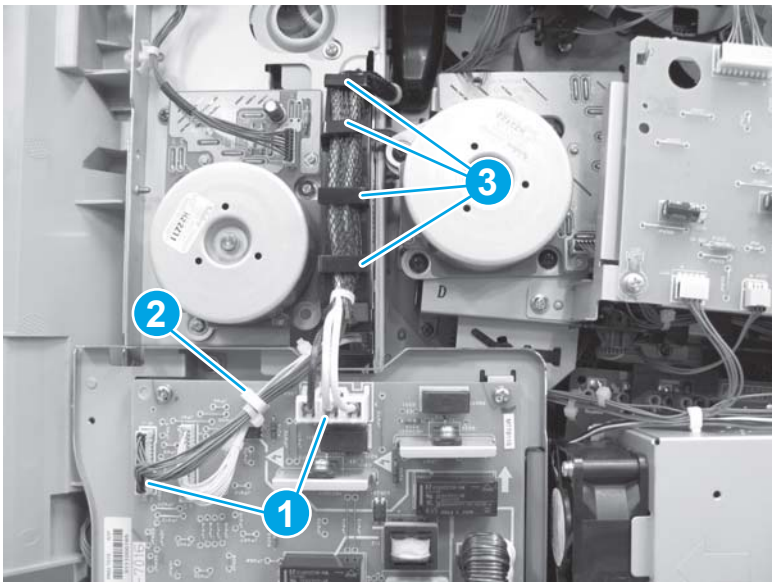
Before proceeding, remove the following assemblies:

- Fuser. See Fuser on page 21.
- Left rear cover. See Left rear cover on page 104.
- Rear cover. See Rear cover on page 143.
- Fuser motor. See Fuser motor on page 242.

Remove the fuser drive assembly

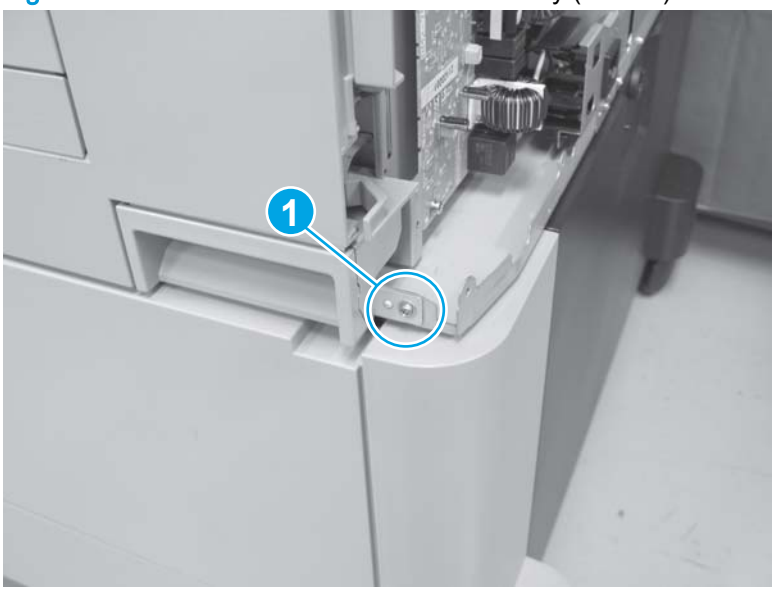
1. Disconnect two connectors (callout 1), release one wire harness from the retainer (callout 2), and then release the wire harnesses from the guide (callout 3).

Figure 1-437 Remove the fuser drive assembly (1 of 10)



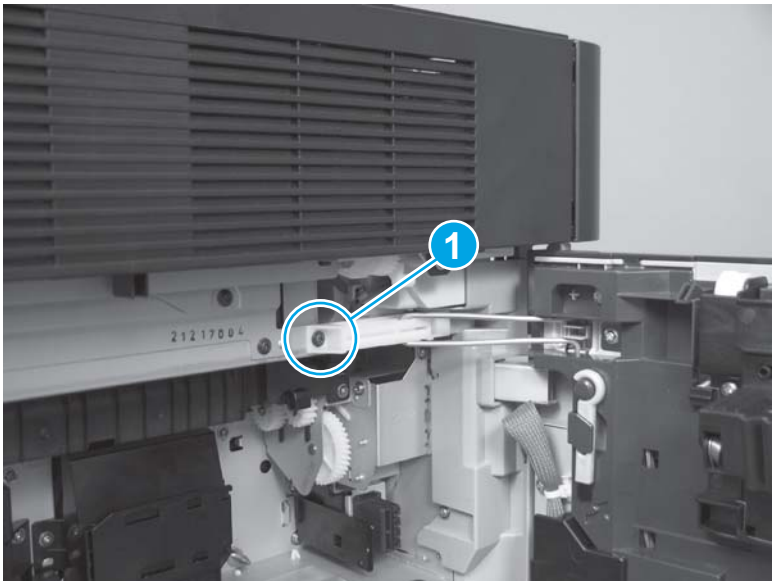
2. At the right-rear side of the product, remove one screw (callout 1).

Figure 1-438 Remove the fuser drive assembly (2 of 10)



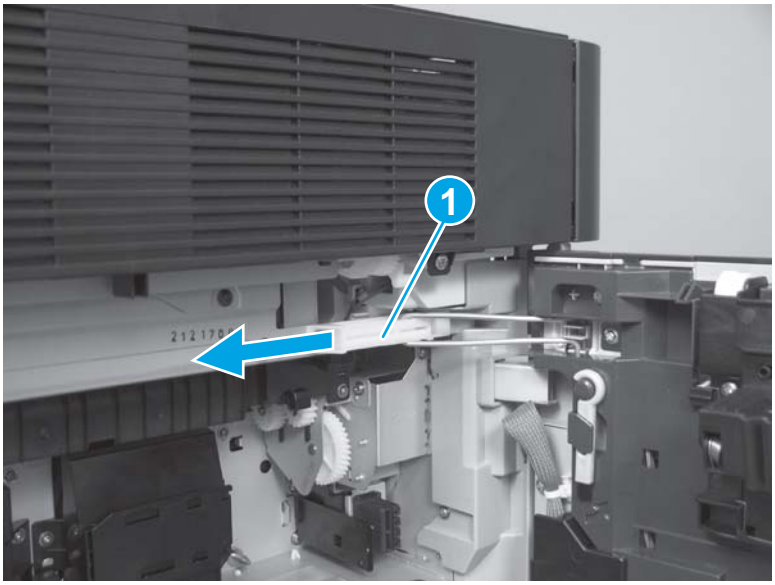
3. Open the right door, and then remove one screw.

Figure 1-439 Remove the fuser drive assembly (3 of 10)



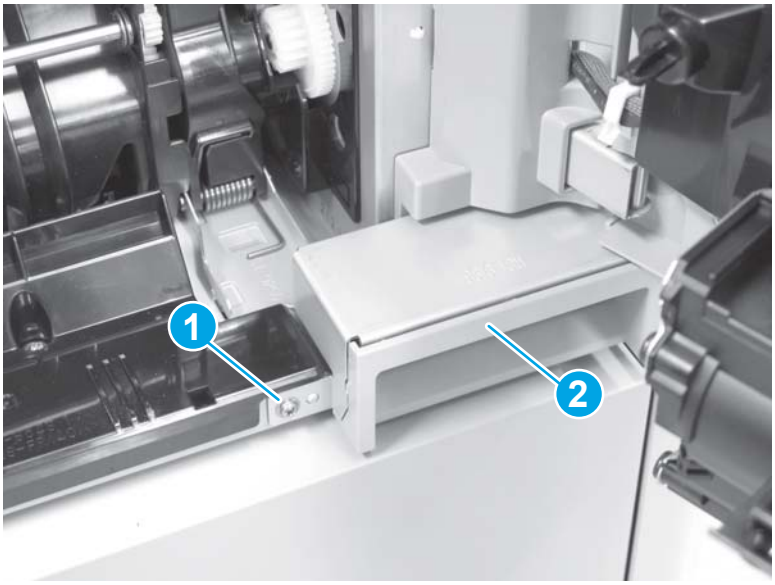
4. Slide the retainer arm and guide to the left to disengage it from the chassis.

Figure 1-440 Remove the fuser drive assembly (4 of 10)



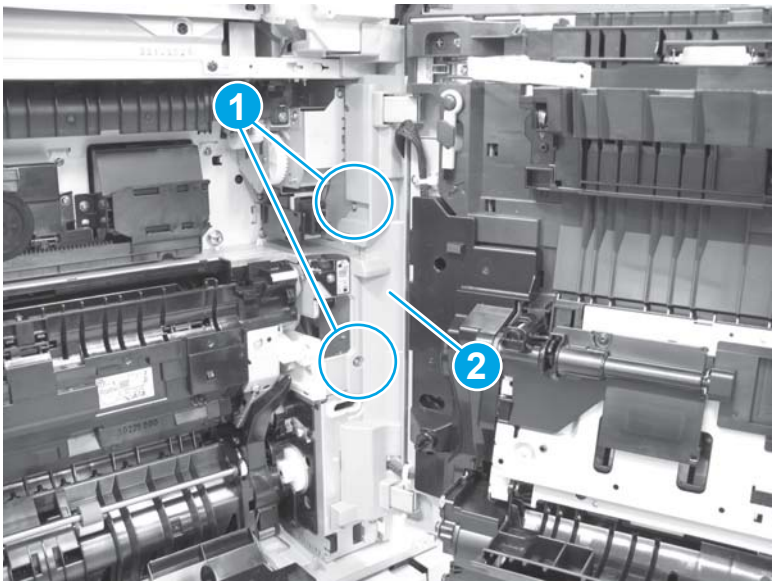
5. Remove one screw (callout 1), and then remove the handle (callout 2).

Figure 1-441 Remove the fuser drive assembly (5 of 10)



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

Figure 1-442 Remove the fuser drive assembly (6 of 10)

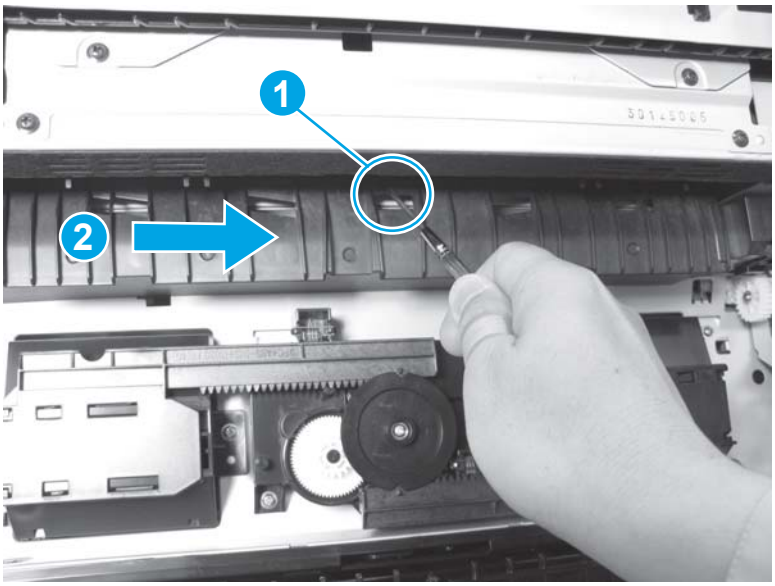


7. Use a small flat-blade screwdriver to release one plastic pin (callout 1), and then slide the duct to the right (callout 2) to remove it.

TIP: Use the arrow embossed on the duct to locate the pin (callout 1).

Reinstallation tip Lift up on the pin when the duct is reinstalled.

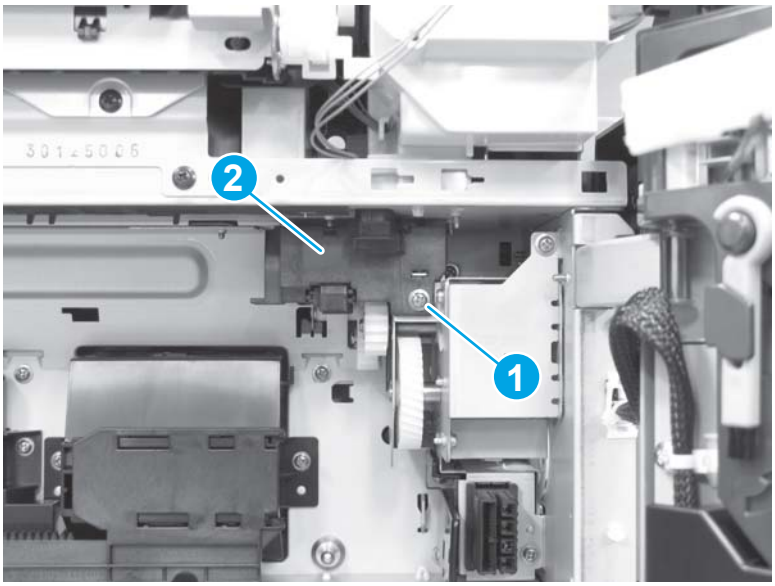
Figure 1-443 Remove the fuser drive assembly (7 of 10)



8. Remove one screw (callout 1), and then separate the fuser cover open detection sensor holder (callout 2) from the chassis.

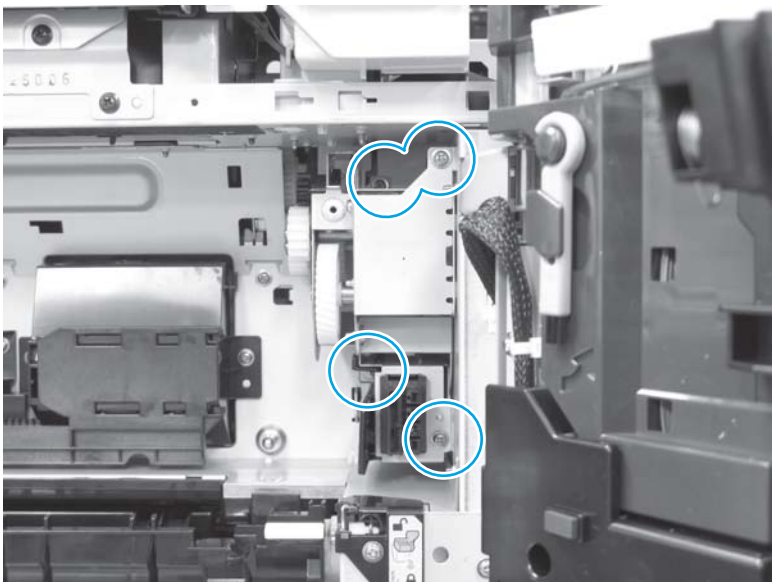
⚠ CAUTION: The holder is still attached to the product. Do not attempt to completely remove the holder. Separate it from the product, and move it out of the way.

Figure 1-444 Remove the fuser drive assembly (8 of 10)



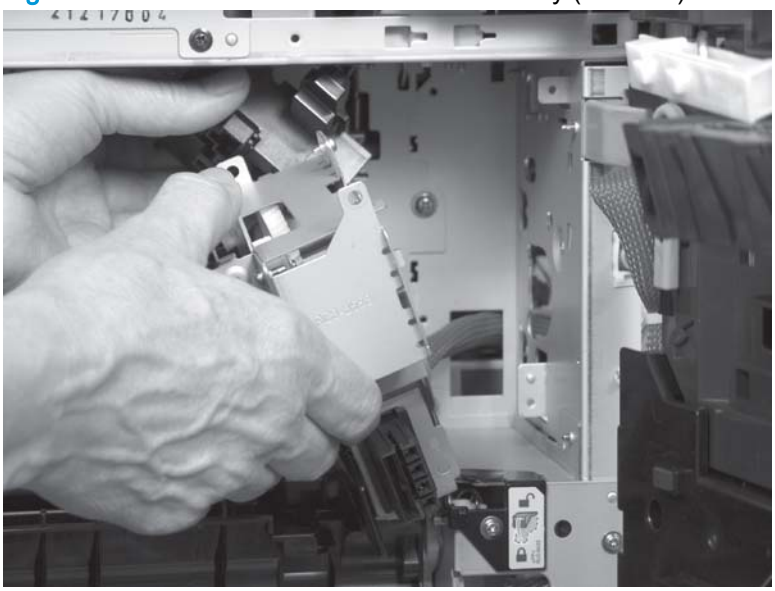
9. Remove four screws.

Figure 1-445 Remove the fuser drive assembly (9 of 10)



10. Remove the fuser drive assembly.

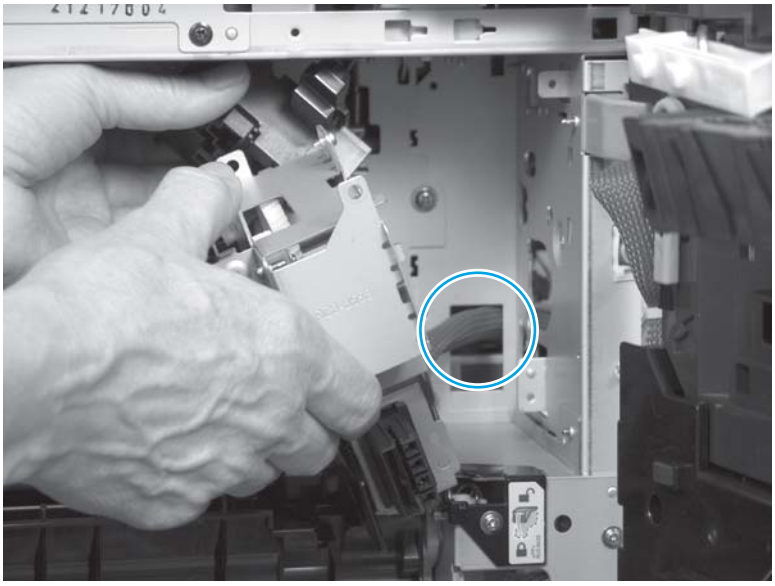
Figure 1-446 Remove the fuser drive assembly (10 of 10)



Reinstall the fuser drive assembly

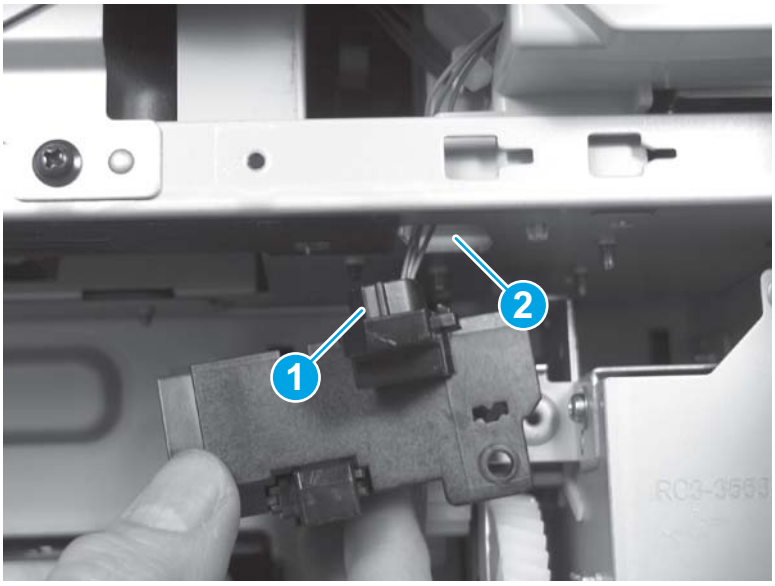
1. Make sure that the wire harness is routed through the correct opening in the chassis when reinstalling the assembly.

Figure 1-447 Reinstall the fuser drive assembly (1 of 4)



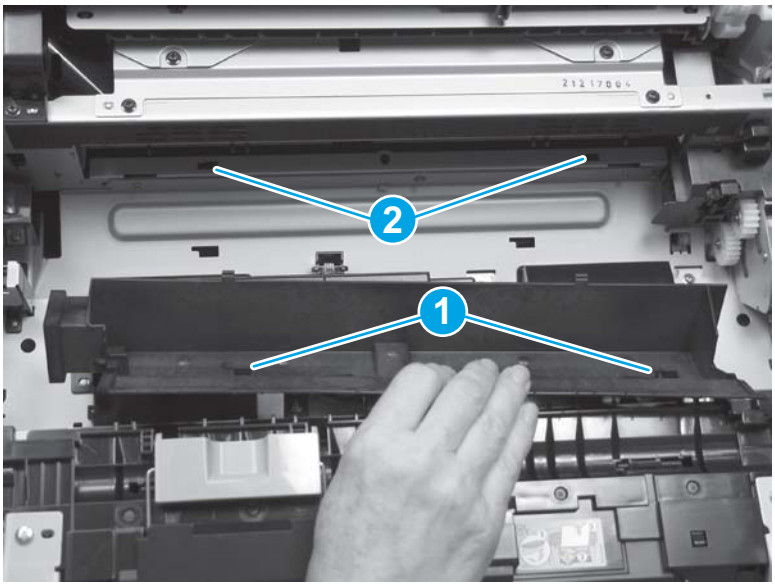
2. When reinstalling the fuser cover open detection sensor holder, make sure that the tab on the holder (callout 1) is installed in the opening in the chassis (callout 2).

Figure 1-448 Reinstall the fuser drive assembly (2 of 4)



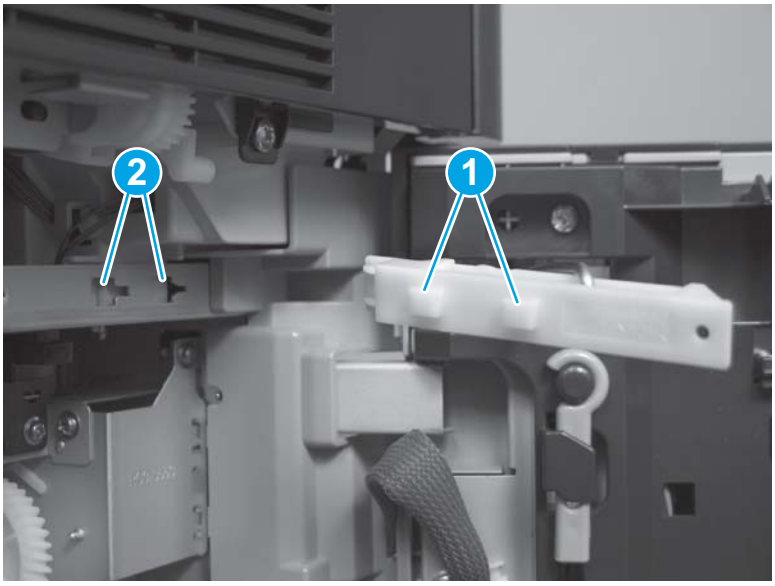
3. When reinstalling the duct, make sure that the tabs on the duct (callout 1) are installed in the slots in the chassis (callout 2).

Figure 1-449 Reinstall the fuser drive assembly (3 of 4)



4. When reinstalling the retainer arm, make sure that the tabs on the arm (callout 1) are installed in the slots in the chassis (callout 2).

Figure 1-450 Reinstall the fuser drive assembly (4 of 4)



Scanner cover

Before proceeding, remove the following assemblies:

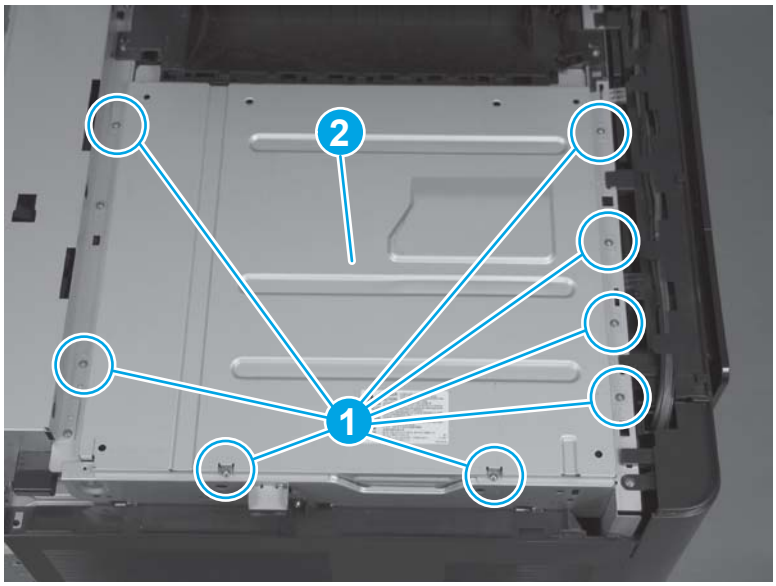
- Control panel assembly (M880). See Control panel assembly (M880) on page 53.
- Scanner back cover (M880). See Scanner back cover (M880) on page 88.
- Remove one of the following, depending upon product configuration:
  - Face-down bin. See Face-down bin on page 101.
  - Intermediate paper transport unit (IPTU). See IPTU assembly on page 437.
- Switch back cover. See Switch back cover on page 105.
- Right upper rear cover (M855). See Right upper rear cover (M855) on page 96.
- Right upper rear cover (M880). See Right upper rear cover (M880) on page 108.
- Front top cover. See Front top cover on page 115.
- Rear top cover. See Rear top cover (M855) on page 116.
- Document feeder assembly (M880). See Document feeder assembly (M880) on page 154.
- Scanner assembly (M880). See Scanner assembly (M880) on page 162.

Remove the scanner cover

Remove eight screws (callout 1) and then remove the scanner cover (callout 2).

CAUTION: Be careful. Do not drop any of the screws into the product.

Figure 1-451 Remove the scanner cover



Laser/scanner assembly (yellow and magenta)

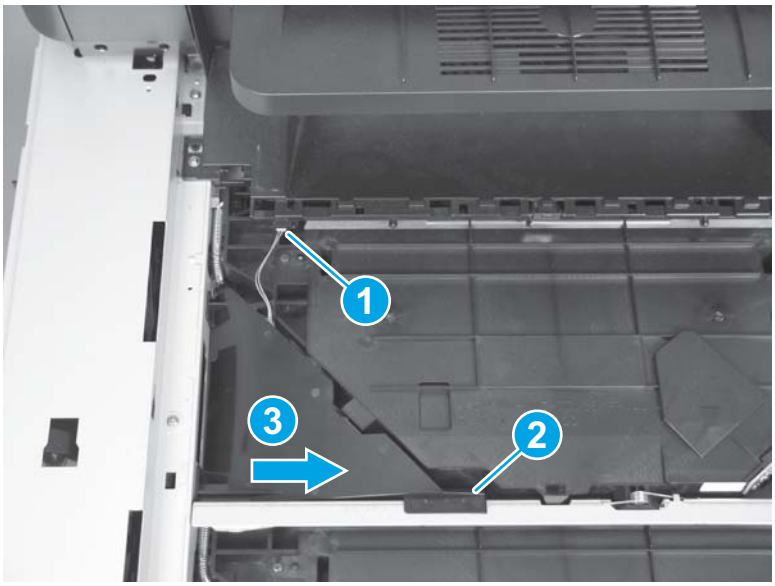
Before proceeding, remove the following assemblies:

- Scanner back cover (M880). See Scanner back cover (M880) on page 88.
- Remove one of the following, depending upon product configuration:
  - Face-down bin. See Face-down bin on page 101.
  - Intermediate paper transport unit (IPTU). See IPTU assembly on page 437.
- Switch back cover. See Switch back cover on page 105.
- Right upper rear cover (M855). See Right upper rear cover (M855) on page 96.
- Right upper rear cover (M880). See Right upper rear cover (M880) on page 108.
- Front top cover. See Front top cover on page 115.
- Rear top cover. See Rear top cover (M855) on page 116.
- Document feeder assembly (M880). See Document feeder assembly (M880) on page 154.
- Scanner assembly (M880). See Scanner assembly (M880) on page 162.
- Scanner cover. See Scanner cover on page 306.

Remove the laser/scanner assembly (yellow and magenta)

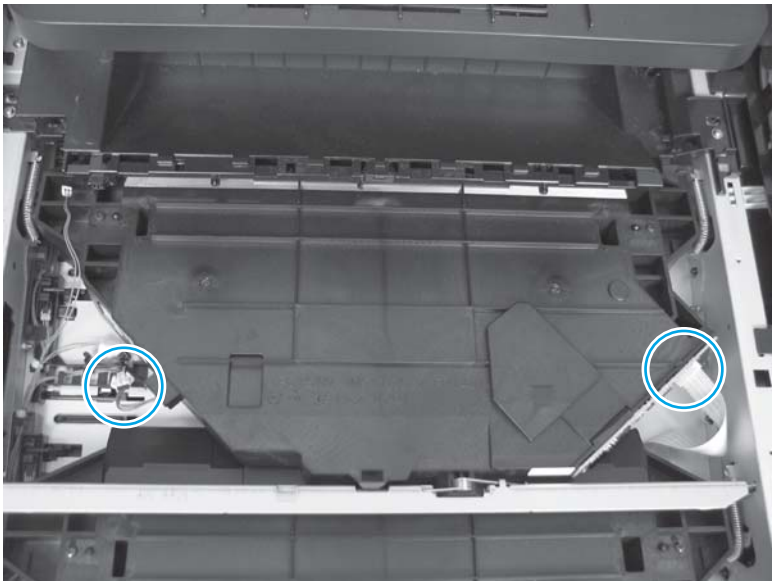
1. Disconnect one connector (callout 1), release one tab (callout 2), and then slide the corner cover to the right (callout 3) to remove it.

   Figure 1-452 Remove the laser/scanner assembly (yellow and magenta; 1 of 6)

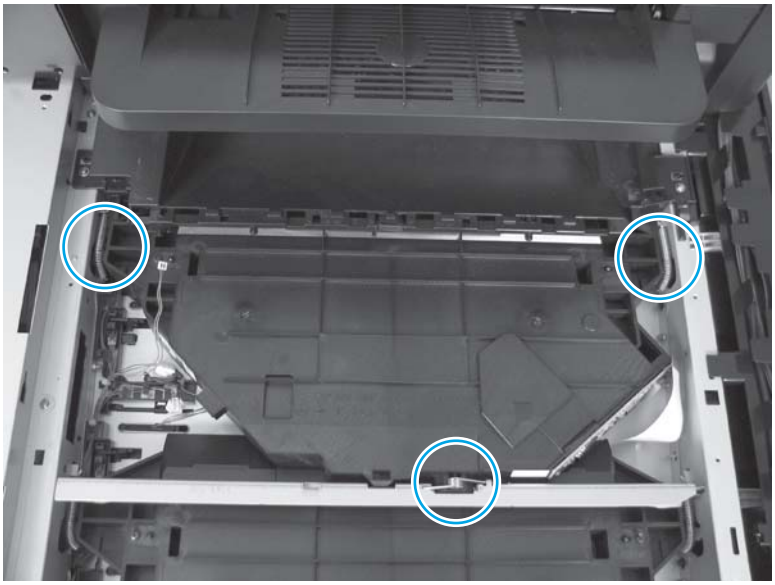
2. Disconnect two connectors.

Figure 1-453 Remove the laser/scanner assembly (yellow and magenta; 2 of 6)



3. Remove three springs.

Figure 1-454 Remove the laser/scanner assembly (yellow and magenta; 3 of 6)

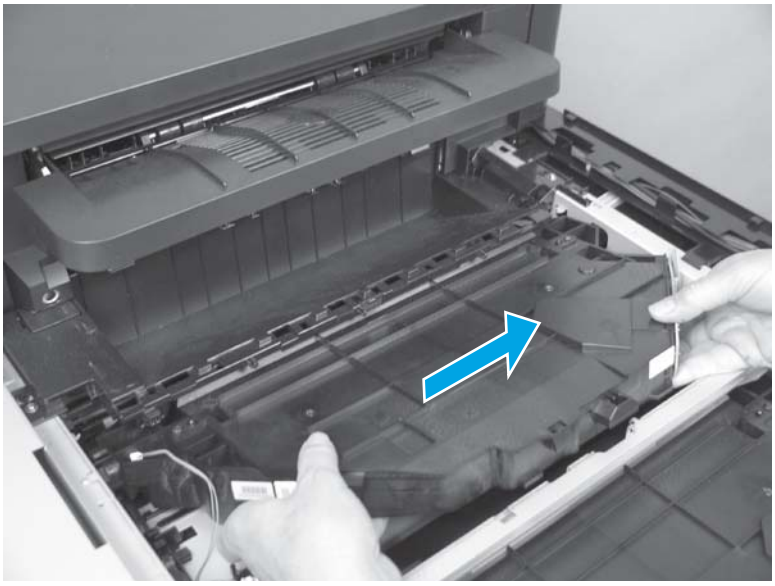


TIP: Hold the spring in place with one hand while releasing it with needle-nose pliers in the other hand.

Figure 1-455 Remove the laser/scanner assembly (yellow and magenta; 4 of 6)

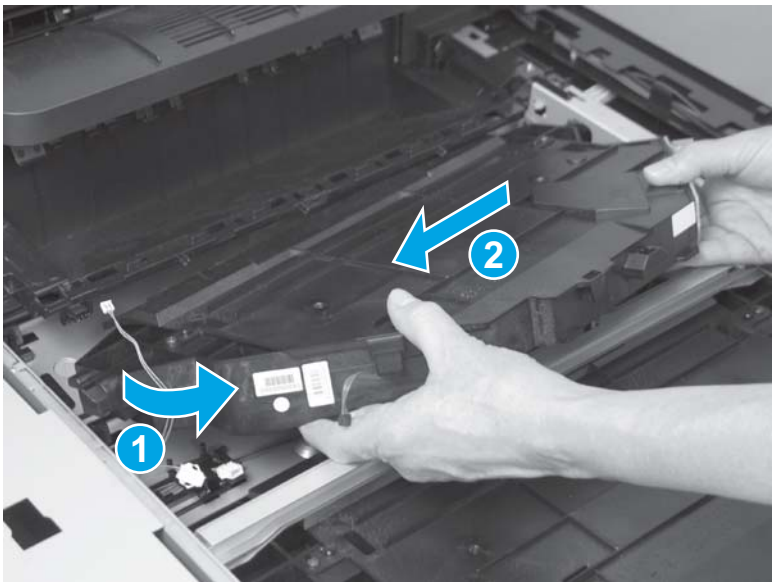
4. Lift up on the edge of the assembly closest to the left door, and then slide the assembly toward the front of the product.

Figure 1-456 Remove the laser/scanner assembly (yellow and magenta; 5 of 6)



5. Rotate the left side of the assembly toward the left door (callout 1), and then slide the assembly toward the back of the product (callout 2) to remove it.

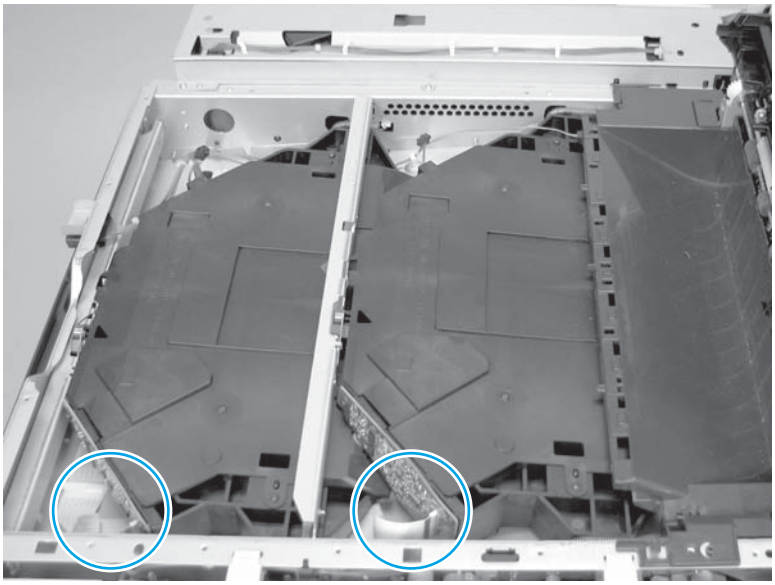
Figure 1-457 Remove the laser/scanner assembly (yellow and magenta; 6 of 6)



Reinstall the laser/scanner assembly (yellow and magenta)

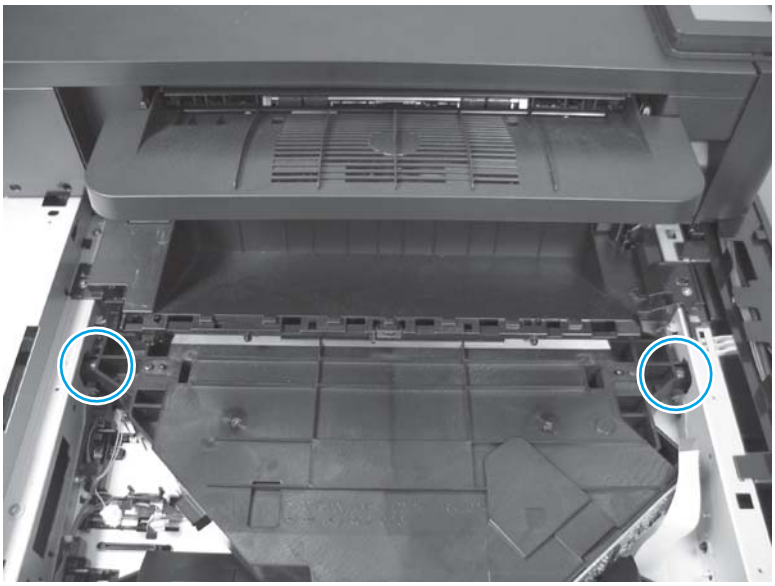
1. CAUTION: Use care when reinstalling the cables for the laser/scanner assemblies. The traces on the cable ends can be damaged when reinserted.

Figure 1-458 Reinstall the laser/scanner assembly (yellow and magenta; 1 of 2)



2. CAUTION: Make sure that the tabs on each side of the laser/scanner are fully seated.

Figure 1-459 Reinstall the laser/scanner assembly (yellow and magenta; 2 of 2)



Laser/scanner assembly (cyan and black)

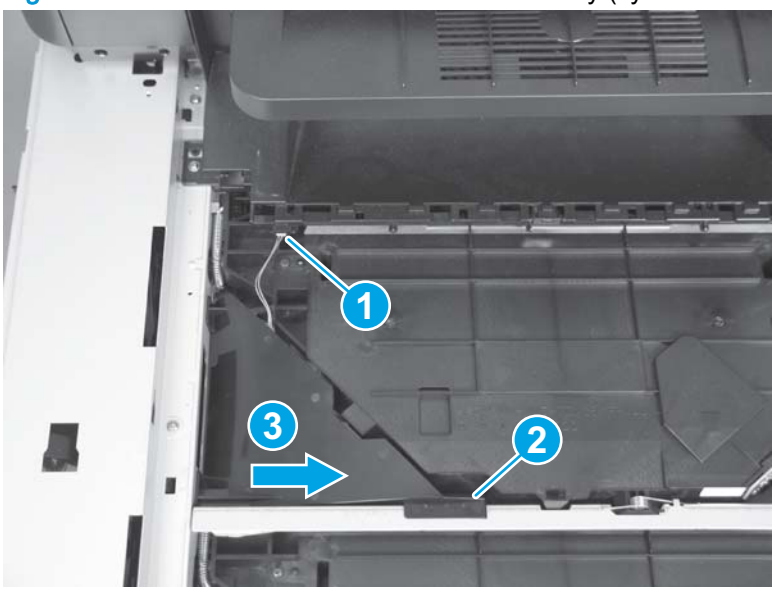
Before proceeding, remove the following assemblies:

- Scanner back cover (M880). See Scanner back cover (M880) on page 88.
- Remove one of the following, depending upon product configuration:
  - Face-down bin. See Face-down bin on page 101.
  - Intermediate paper transport unit (IPTU). See IPTU assembly on page 437.
- Right upper rear cover (M855). See Right upper rear cover (M855) on page 96.
- Right upper rear cover (M880). See Right upper rear cover (M880) on page 108.
- Front top cover. See Front top cover on page 115.
- Rear top cover. See Rear top cover (M855) on page 116.
- Document feeder assembly (M880). See Document feeder assembly (M880) on page 154.
- Scanner assembly (M880). See Scanner assembly (M880) on page 162.
- Scanner cover. See Scanner cover on page 306.

Remove the laser/scanner assembly (cyan and black)

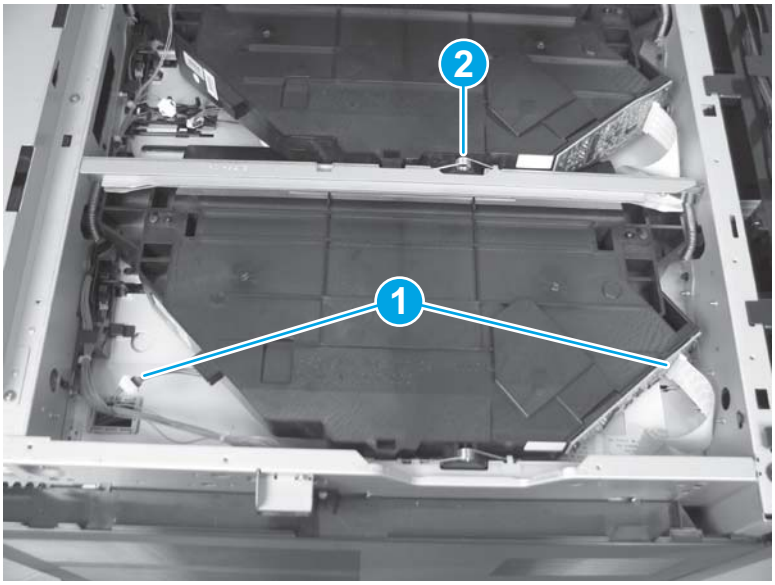
1. Disconnect one connector (callout 1), release one tab (callout 2), and then slide the corner cover to the right (callout 3) to remove it.

Figure 1-460 Remove the laser/scanner assembly (cyan and black; 1 of 8)



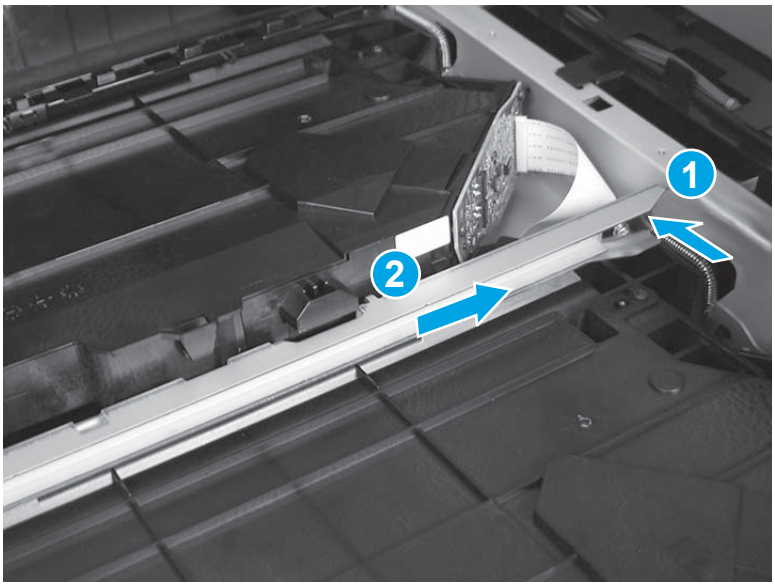
2. Disconnect two connectors (callout 1), and then remove one spring (callout 2).

Figure 1-461 Remove the laser/scanner assembly (cyan and black; 2 of 8)



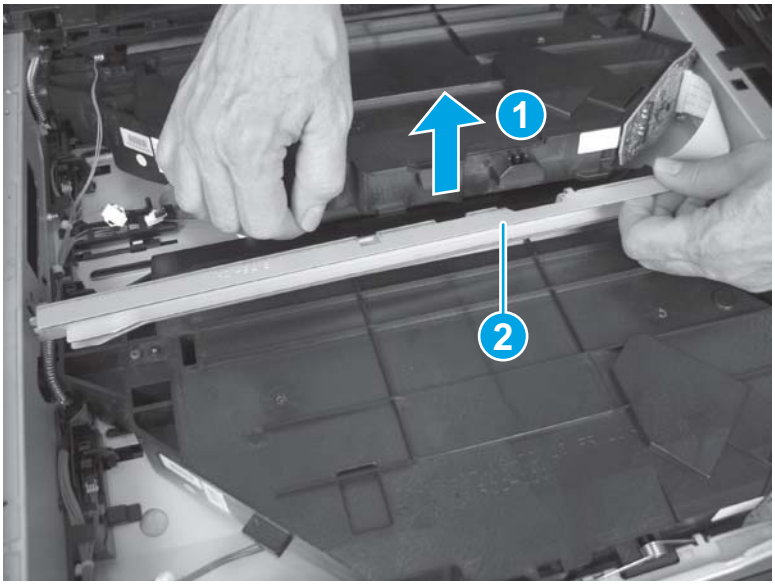
3. Press and hold one spring-loaded tab (callout 1), and then slide the sheet-metal bar toward the front door (callout 2) to release it.

Figure 1-462 Remove the laser/scanner assembly (cyan and black; 3 of 8)



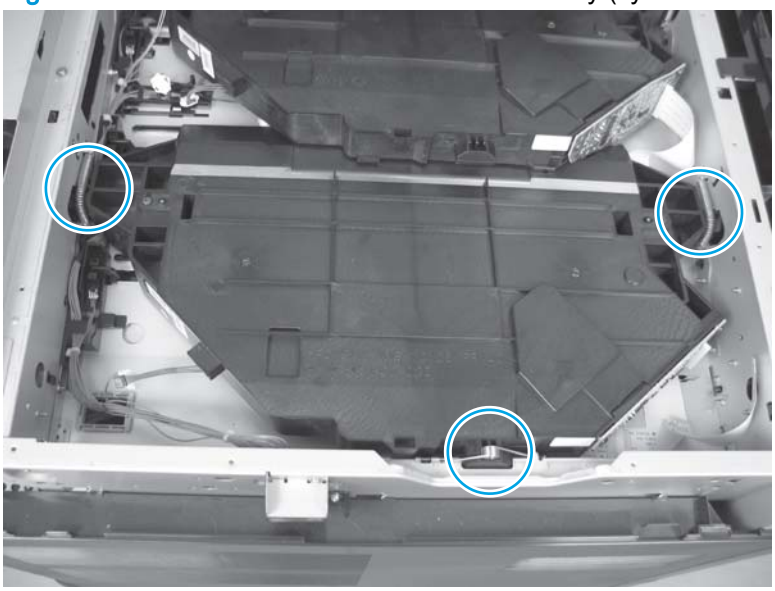
4. Lift up the edge of the laser/scanner assembly (yellow and magenta; callout 1), and then remove the bar (callout 2).

Figure 1-463 Remove the laser/scanner assembly (cyan and black; 4 of 8)



5. Remove three springs.

Figure 1-464 Remove the laser/scanner assembly (cyan and black; 5 of 8)

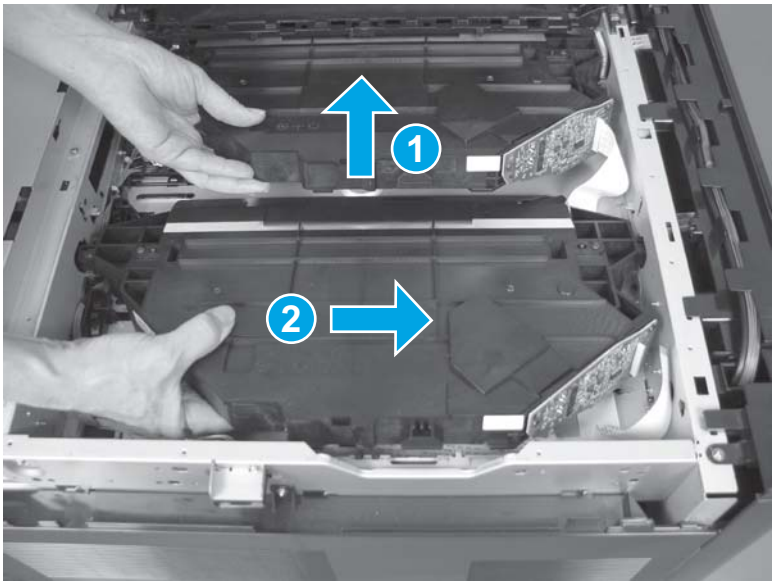


TIP: Hold the spring in place with one hand while releasing it with needle-nose pliers in the other hand.

Figure 1-465 Remove the laser/scanner assembly (cyan and black; 6 of 8)

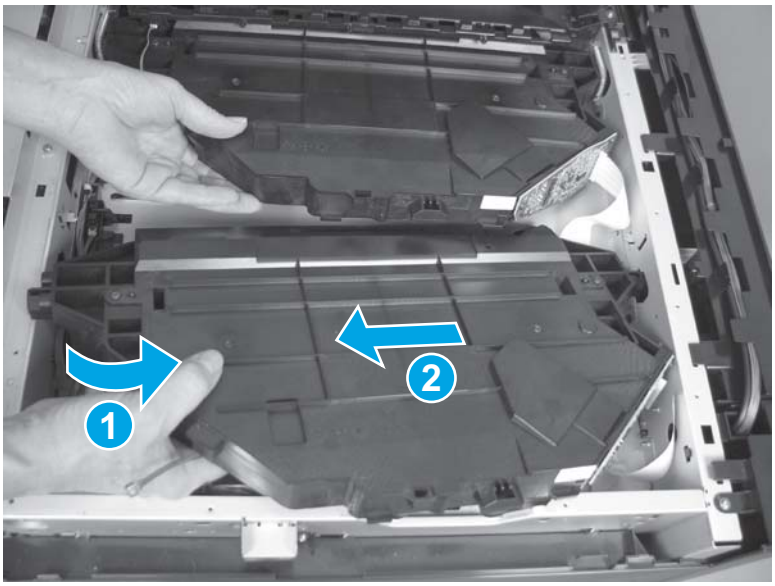
6. Lift up the edge of the laser/scanner assembly (yellow and magenta) (callout 1), and then slide the laser/scanner (cyan and black) to the right (callout 2).

Figure 1-466 Remove the laser/scanner assembly (cyan and black; 7 of 8)



7. Lift up the edge of the laser/scanner assembly (yellow and magenta), rotate the left side of the assembly towards the left door (callout 1), and then slide the assembly toward the back of the product (callout 2) to remove it.

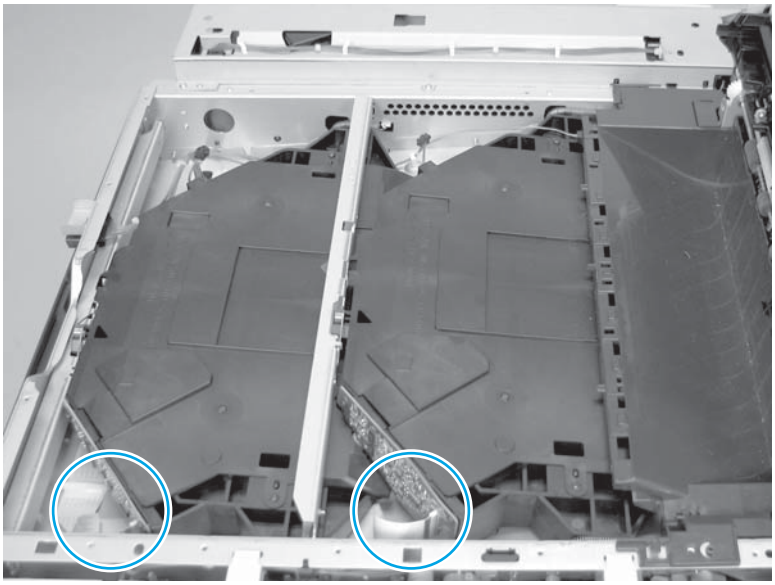
Figure 1-467 Remove the laser/scanner assembly (cyan and black; 8 of 8)



Reinstall the laser/scanner assembly (cyan and black)

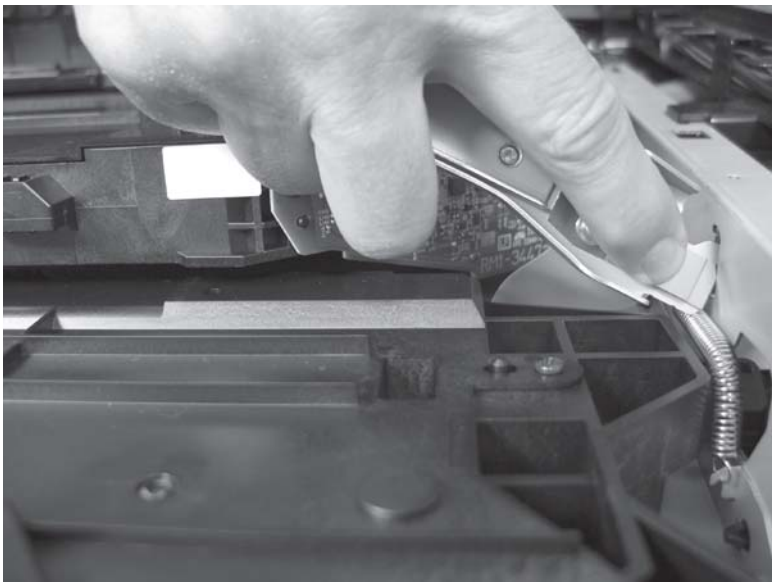
1. ⚠ **CAUTION:** Use care when reinstalling the cables for the laser/scanner assemblies. The traces on the cable ends can be damaged when reinserted.

Figure 1-468 Reinstall the laser/scanner assembly (cyan and black; 1 of 3)



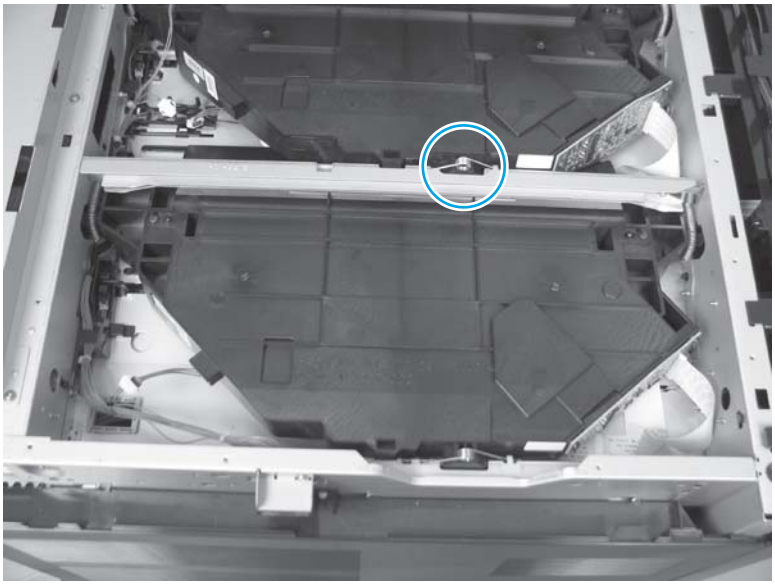
2. When reinstalling the bar, install the hook on the bar in the slot in the chassis as shown below.

Figure 1-469 Reinstall the laser/scanner assembly (cyan and black; 2 of 3)



3. Make sure that the spring on the laser/scanner assembly (yellow and magenta) is in place.

Figure 1-470 Reinstall the laser/scanner assembly (cyan and black; 3 of 3)



Duplex reverse assembly (M855)

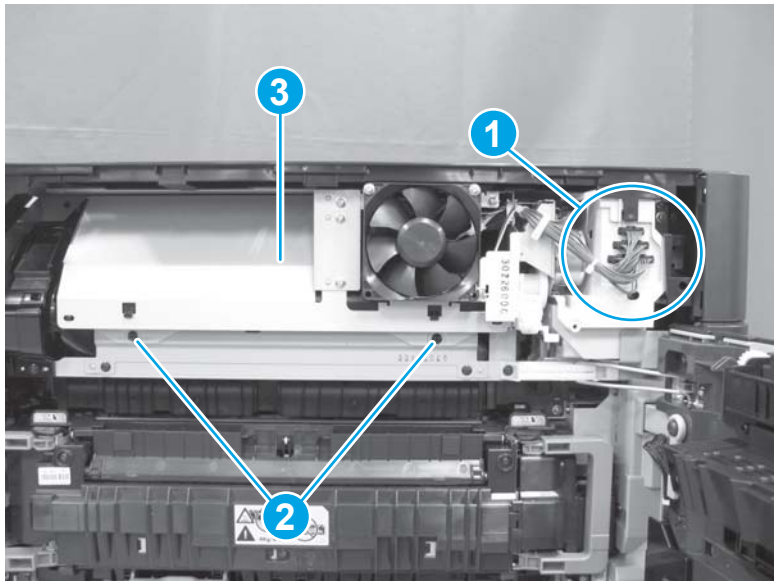
Before proceeding, remove the following assemblies:

- Switch back cover. See Switch back cover on page 105.

Remove the duplex reverse assembly (M855)

Disconnect four connectors (callout 1), remove two screws (callout 2), and then remove the duplex reverse assembly (callout 3).

Figure 1-471 Remove the duplex reverse assembly (M855)



Duplex reverse assembly (M880)

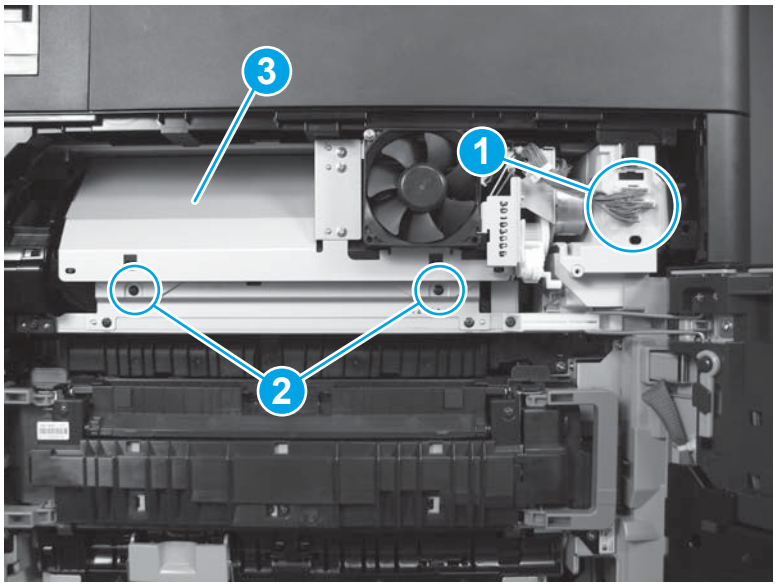
Before proceeding, remove the following assemblies:

- Switch back cover. See Switch back cover on page 105.

Remove the duplex reverse assembly (M880)

Disconnect three connectors (callout 1), remove two screws (callout 2), and then remove the duplex reverse assembly (callout 3).

Figure 1-472 Remove the duplex reverse assembly (M880)



VOC fan (M855)

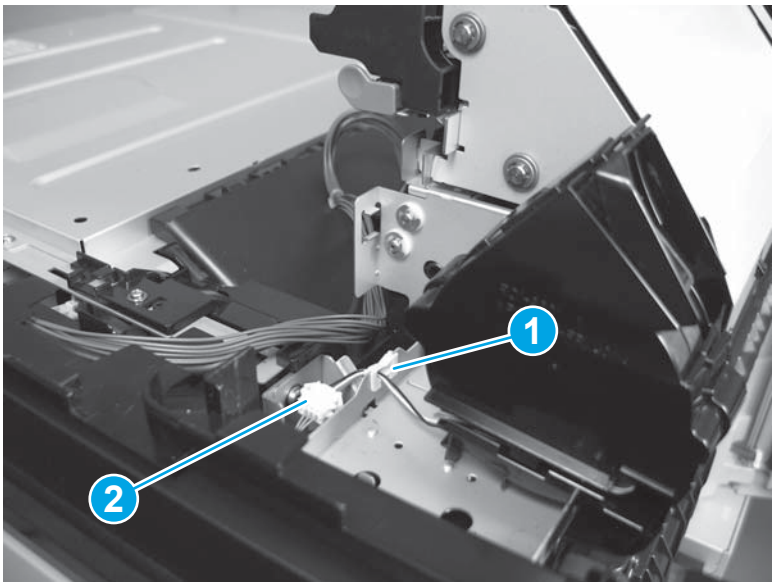
Before proceeding, remove the following assemblies:

- Switch back tray. See Switch back tray on page 22.
- Control panel (M855). See Control panel assembly (M855) on page 47.
- Right upper rear cover (M855). See Right upper rear cover (M855) on page 96.
- Hardware integration pocket (HIP) cover (M855). See Hardware integration pocket (HIP) cover (M855) on page 97.
- Remove one of the following, depending upon product configuration:
  - Face-down bin. See Face-down bin on page 101.
  - Intermediate paper transport unit (IPTU). See IPTU assembly on page 437.
- Switch back cover. See Switch back cover on page 105.
- Right upper front cover (M855). See Right upper front cover (M855) on page 120.
- Front top cover. See Front top cover on page 115.
- Rear top cover. See Rear top cover (M855) on page 116.
- Right upper cover (M855). See Right upper cover (M855) on page 124.

Remove the VOC fan (M855)

1. At the top of the product, release the wire harness from the retainer (callout 1), and then disconnect one connector (callout 2).

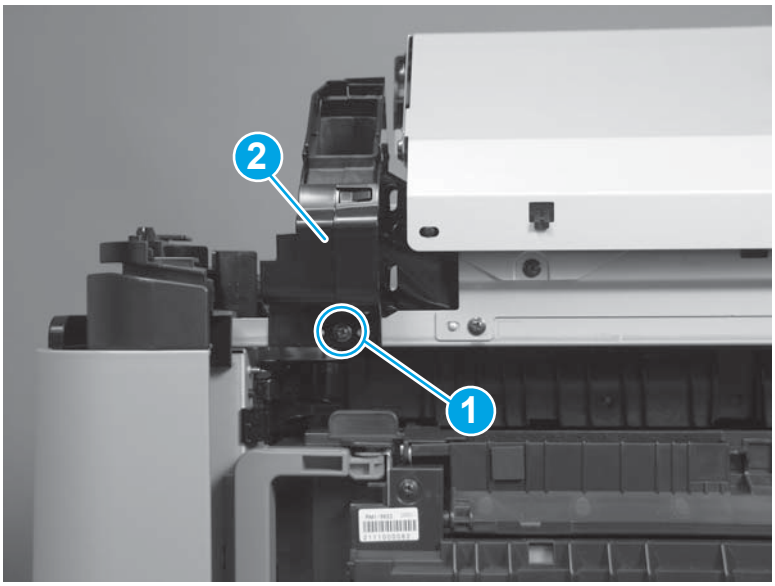
   Figure 1-473 Remove the VOC fan (M855; 1 of 2)

2. Remove one screw (callout 1), and then remove the VOC fan (callout 2).

Reinstallation tip When the fan is reinstalled, make sure that the tab on the bottom fits into the slot provided on the chassis.

Figure 1-474 Remove the VOC fan (M855; 2 of 2)



VOC fan (M880)

Before proceeding, remove the following assemblies:

- Switch back tray. See Switch back tray on page 22.
- Scanner back cover (M880). See Scanner back cover (M880) on page 88.
- Remove one of the following, depending upon product configuration:
  - Face-down bin. See Face-down bin on page 101.
  - Intermediate paper transport unit (IPTU). See IPTU assembly on page 437.
- Switch back cover. See Switch back cover on page 105.
- Rear upper rear cover (M880). See Rear upper rear cover (M880) on page 107.
- Right upper rear cover (M880). See Right upper rear cover (M880) on page 108.
- Rear upper MFP cover (M880). See Rear upper MFP cover (M880) on page 109.
- Left upper rear cover (M880). See Left upper rear cover and rear upper B cover (M880) on page 111.
- Rear upper front cover. See Rear upper front cover (M880) on page 113.
- Front top cover. See Front top cover on page 115.
- Right upper front cover (M880). See Right upper front cover (M880) on page 122.
- Document feeder assembly (M880). See Document feeder assembly (M880) on page 154.
- Scanner assembly (M880). See Scanner assembly (M880) on page 162.
- Duplex reverse assembly (M880). See Duplex reverse assembly (M880) on page 320.

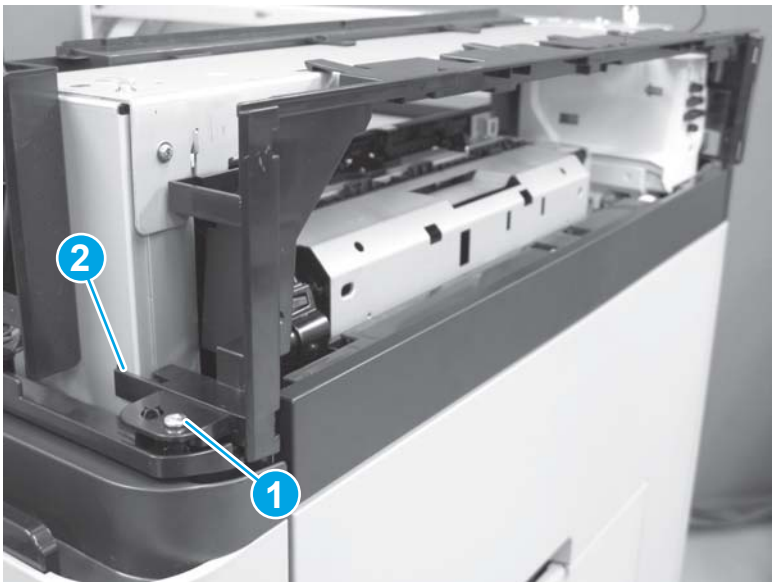
Remove the VOC fan (M880)

1. Remove one screw.

Figure 1-475 Remove the VOC fan (M880; 1 of 6)

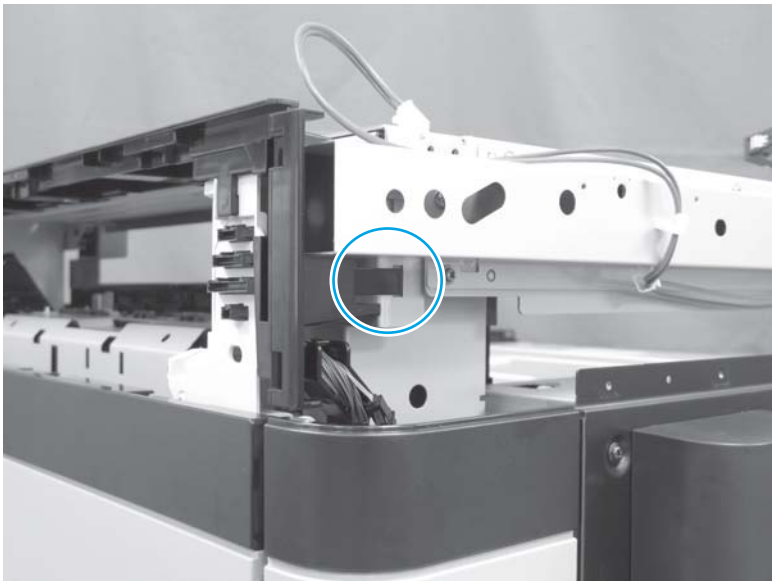
2. Remove one screw (callout 1), and then release one tab (callout 2).

Figure 1-476 Remove the VOC fan (M880; 2 of 6)



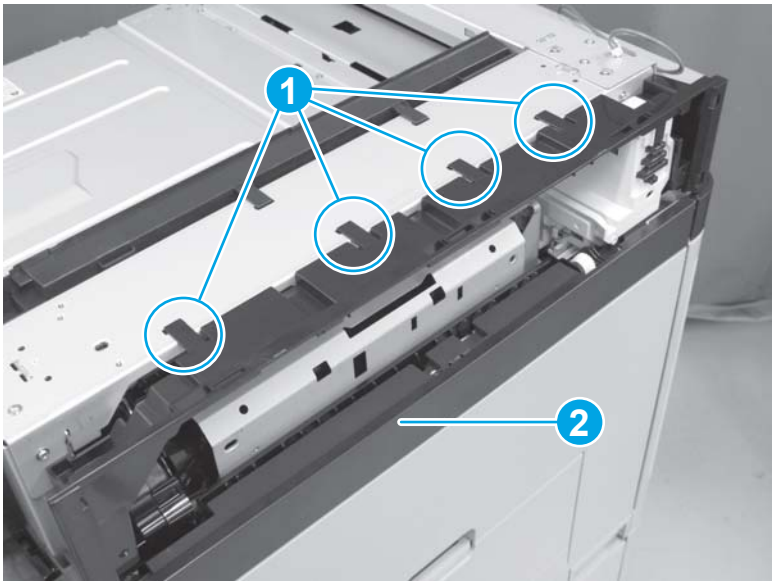
3. Release one tab.

Figure 1-477 Remove the VOC fan (M880; 3 of 6)



4. Release four tabs (callout 1), and then remove the switch back inner cover (callout 2).

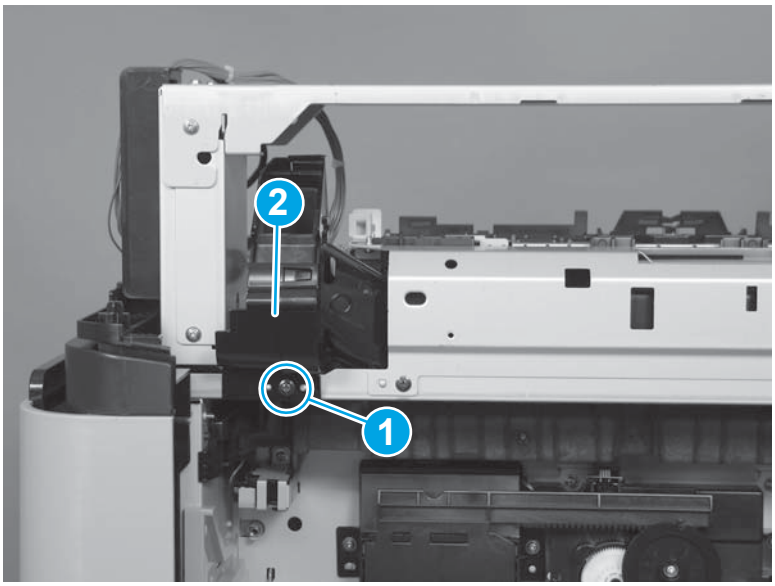
Figure 1-478 Remove the VOC fan (M880; 4 of 6)



5. Remove one screw (callout 1), and then lift the VOC fan (callout 2) away from the product.

CAUTION: The VOC fan is still attached to the product by a wire harness. Do not attempt to completely remove the VOC fan.

Figure 1-479 Remove the VOC fan (M880; 5 of 6)



6. Release the wire harness from the retainer (callout 1), and then disconnect one connector (callout 2) to remove the VOC fan.

Reinstallation tip When the fan is reinstalled, make sure that the tab on the bottom fits into the slot provided on the chassis.

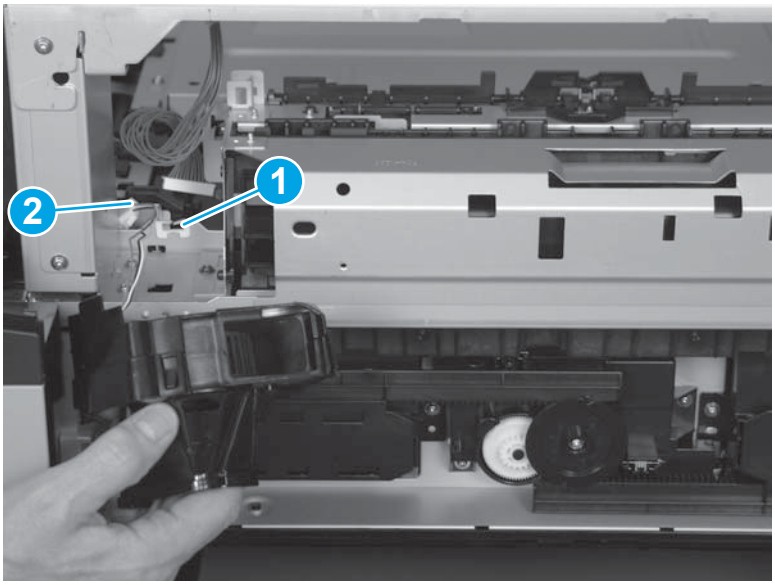



Figure 1-480 Remove the VOC fan (M880; 6 of 6)