



Repair Manual

HP LaserJet Pro 3001-3008 series • 3001e-3008e series

HP LaserJet Pro MFP 3101-3108 series • 3101e-3108e series



3001dwe | 3002dne/dwe | 3001dw
3002dn/dw | 3003dn/dw
3004dn/dw



MFP 3101fdwe | MFP 3102fdne/fdwe
MFP 3101fdw | MFP 3102fdn/fdw
MFP 3103fdn/fdw | MFP 3104fdn/fdw



www.hp.com/support/lj3001-3008 | www.hp.com/support/lj3001-3008plus
www.hp.com/support/ljmf3101-3108 | www.hp.com/support/ljmf3101-3108plus
For printer theory and troubleshooting information, see the Troubleshooting Manual.



HP LaserJet Pro 3001-3008 series

HP LaserJet Pro 3001e-3008e series

HP LaserJet Pro MFP 3101-3108 series

HP LaserJet Pro MFP 3101e-3108e series

SUMMARY

Repair Manual

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Conventions used in this guide

Learn about the conventions used in this publication.



TIP: Helpful hints or shortcuts.



Reinstallation tip: Reinstallation helpful hints, shortcuts, or considerations.



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



IMPORTANT: Information that help the user to avoid potential printer error conditions.



CAUTION: Procedures that the user must follow to avoid losing data or damaging the printer.



WARNING! Procedures that the user must follow to avoid personal injury, catastrophic loss of data, or extensive damage to the printer.

Abbreviations used in this guide

Learn about the abbreviations used in this publication.

- **SFP:** Single Function Printer
- **FB:** Flat Bed
- **ADF:** Automatic Document Feeder
- **MFP:** Multi Function Printer

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1 Removal and replacement

When servicing the printer, several items must be taken into account to ensure a successful repair and to avoid damage to the printer or injury. Learn about these considerations and find detailed instructions for removing and replacing printer parts.

For additional service and support

HP service personnel, go to the Service Access Workbench (SAW) at support.hp.com/wise/home/ams-en.

Channel partners, go to HP Channel Services Network (CSN) at hp.com/partners/csn.

At these locations, find information on the following topics:

- Install and configure
- Printer specifications
- Up-to-date control panel message (CPMD) troubleshooting
- Solutions for printer issues and emerging issues
- Remove and replace part instructions and videos
- Service advisories
- Warranty and regulatory information

Channel partners, access training materials in the HP University and Partner Learning Center at content.ext.hp.com/sites/LMS/HPU.page.

To access HP PartSurfer information from desktop, go to partsurfer.hp.com/search.aspx any mobile device, go to partsurfermobile.hp.com or scan the Quick Response (QR) code below.



Removal and replacement strategy

This section helps you understand the removal and replacement strategy.

Introduction

The printer uses a field repair strategy. Defective parts are diagnosed and replaced at the Field Replaceable Unit (FRU) assembly level. Repair normally begins by using the printer internal diagnostics and the following two-step process:

1. Isolate the problem to the major system (for example, the network, server, or printer).
2. Identify the cause of failures according to the printer troubleshooting service manual and follow the disassembly procedures to replace the defective parts or the consumable parts.

After locating a faulty part, the printer can usually be repaired at the assembly level by replacing FRUs. Some mechanical assemblies might need to be repaired at the subassembly level. HP does not support replacement of components on the printed circuit assemblies.

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

The printer tracks the amount of use on the customer-replaceable supplies by keeping a page count. The printer 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.

Considerations during removal and replacement

HP does not support repairing individual sub-assemblies or troubleshooting to the printed-circuit board (PCB) component level.

⚠ WARNING! Never operate or service the printer with the protective cover removed from the laser scanner assembly. The reflected beam, although invisible, can cause damage to the eyes.

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


Before attempting to remove or replace parts, turn the printer off and remove the power cable. Never operate the printer with the parts removed from the printer.

Turn the printer off, wait five seconds, and then remove the power cable before attempting to service the printer. *If this warning is not followed, severe injury can result as well as damage to the printer.* The power must be on for certain functional checks during troubleshooting. However, the power cable must be disconnected during parts removal. AC voltage is still present inside the printer when the power switch is in the off position. The power cable must be *disconnected* before servicing the printer.

⚠ CAUTION: Incorrectly routed or loose wire harnesses might interfere with other internal components or assemblies and be damaged, pinched, or frayed. Make sure that wire harnesses are correctly routed and retained when installing assemblies.


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

Do not expose the toner cartridge to strong light, even for a short time.

 **IMPORTANT:** When an assembly is removed that includes a rating plate or tag (or a printer code label), make sure to transfer the plate or tag (or code label) to the replacement assembly.


Do not replace the formatter and DC controller simultaneously during a single printer servicing. Doing so might cause the printer to become unstable or inoperable.

Incorrectly routed or loose wire harnesses can interfere with other internal components and can become damaged or broken.

 **NOTE:** During assembly removal and replacement, or if the printer is moved, remove the toner cartridge.



Toner is a non-poisonous substance composed of plastic and a small number of colored components. If toner gets on the skin or clothing, wipe it off with dry tissue paper and wash in cold water. Hot water sets toner and it might be difficult, or impossible, to remove. Toner easily breaks down vinyl materials, so avoid letting toner contact vinyl.

Reassembling procedures are generally the reverse of removal unless otherwise specified. Occasionally, notes and tips are included to provide directions for difficult or critical replacement procedures.

 **TIP:** Some figures might show assemblies removed or installed that have not yet been removed or installed at that specific step. However, the procedures are correct for this printer and the target assembly. Always thoroughly read the instructions that accompany each figure.

Electrostatic discharge

Learn how to protect sensitive parts against damage from electrostatic discharge.

 **CAUTION:**  Some parts are sensitive to electrostatic discharge (ESD). Look for the ESD reminder when removing printer parts. Always perform service work at an ESD-protected workstation or mat. If an ESD workstation or mat is not available, touch the sheet-metal chassis to provide a static ground *before* touching an ESD-sensitive assembly.

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

Required tools

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


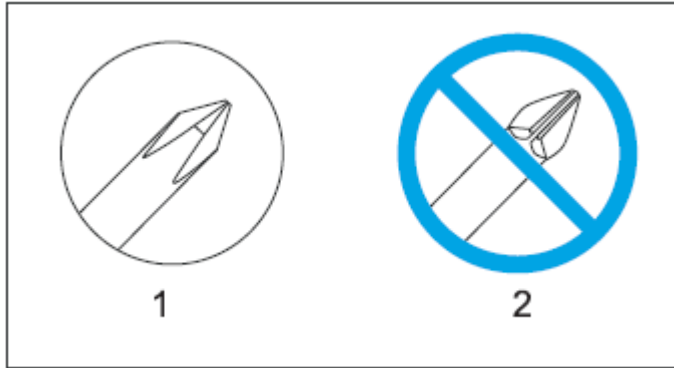
 **CAUTION:** Always use a Phillips screwdriver (callout 1). Do not use a Pozidriv screwdriver (callout 2) or any motorized screwdriver. These can damage screws or screw threads.

Figure 1-1 Screwdrivers



Fasteners used in this printer

- ⚠ 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 printer or interfere with printer operation. Do not intermix screws that are removed from one assembly with the screws that are removed from another assembly.
- 📝 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.

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

Service approach

This section helps you understand the service approach steps.

Before performing service

- Remove all paper from the product.
- Turn off the power using the power switch.
- Disconnect the power cable and interface cable or cables.
- Place the product on an ESD workstation or mat, or use an ESD strap (if one is available). If an ESD workstation, mat, or strap is not available, ground yourself by touching the sheet-metal chassis *before* touching an ESD-sensitive part.
- Remove the toner cartridge.

After performing service

Complete the following after service is performed.

1. Reinstall the toner cartridge.
2. Return all paper to the input tray.
3. Connect the power cable and turn on the printer.
4. Perform print-quality tests by printing from a host computer.

Post-service test

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

Print-quality test

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

Yeti repair app

The Yeti repair app is an android application used to re-pair (authorize part replacement) the engine controller and formatter.



NOTE: Re-pairing the formatter with the engine controller or vice-versa is a mandatory process after replacing the physical parts. The printer will not function properly if pairing is not completed successfully.

App requirements

This app requires the following:

- Android device (Android OS 7.1 or later)
- Internet connection
- USB OTG cable (Micro-USB/Type-C to Type-B USB)

NOTICE:

- Yeti repair app requires an HP account. Create an HP account using the app if you do not already have one.
- A brand new service formatter or service engine controller board must be used for replacement.

Formatter and engine controller part numbers

This section covers the generic and field service part numbers (formatter and engine controller).

Table 1-1 Generic service formatter part numbers

Number	Description	Part Number
1	Generic service PCB-Formatter Yeti FDN FDW (MFP)	4QK87-60003
2	Generic service PCB-Formatter Yeti DN DW (SFP)	4QK98-60002

Table 1-2 Field service engine controller part numbers (SFP and MFP)

Number	Description	Part Number
1	Engine controller PCB assembly (110V – 127V) – SFP	RM3-8170-000CN
2	Engine controller PCB assembly except EM (220V – 240V) – SFP	RM3-8171-000CN
3	Engine controller PCB assembly EM model (220V – 240V) – SFP	RM3-8172-000CN
4	Engine controller PCB assembly (110 – 127V) – MFP	RM3-8173-000CN
5	Engine controller PCB assembly except China/India (220V – 240V) – MFP	RM3-8174-000CN
6	Engine controller PCB assembly China/India model (220V – 240V) – MFP	RM3-8175-000CN

Pairing the formatter or engine controller

The app pairs the new formatter with the existing engine controller or vice-versa. This is useful when either one or both of the PCB assemblies need to be replaced.




IMPORTANT: Make sure to follow the process prior to pairing formatter or engine controller.

For consumer products


- Use the USBsend.exe and BOID files to BOID the formatter board to the correct configuration.

- Use the Quorra app to restore Serial Number, Service ID, Page Count, and **Printer PIN** from the printer to the new formatter board.
- Alternatively, Falcon tool could be used to BOID and configure the printer's Serial Number, Service ID, Page Count, and Printer PIN if it is available (only applicable for Repair Center).


Instructions for pairing formatter or engine controller

 **IMPORTANT:** If both formatter board and engine controller need to be replaced, you must replace them one at a time.

1. Replace formatter board or engine controller as per the instructions in this manual.
2. For formatter board replacement:
 - ▲ The printer boots up showing 'initializing' (for models having display). If there is an error, make sure to use a brand new service formatter board.
3. For engine controller board replacement:
 - a. The printer boots up to 'Ready' state. However, it has not completed the repair process.
 - b. If the printer boots up into an error state, make sure to use a brand new service engine controller board.
4. Connect the printer to the Android device and run Yeti repair app.
5. Login to Yeti repair app using the HP credentials. For more information, see [App requirements on page 7](#).
6. Tap **Re-pair (Authorize Part Replacement)**.

 **NOTE:** Onsite/bench repair version of the Yeti repair app has fewer menu options.

7. Make sure the printer is connected to the Android device.
8. When prompted, tap **OK** allow the app to access the printer.
9. When prompted, tap **OK** to confirm the Serial Number of the printer.
10. When prompted, tap **OK** to retrieve the printer's 'fingerprint'.
11. The app sends the **Re-pair (Authorize Part Replacement)** request to HP Stratus Cloud and retrieves the printer's persona and a new printer's fingerprint.
12. Make sure the printer is connected to the Android device properly.
13. When prompted, tap **OK** to confirm the printer serial number.
14. When prompted, tap **OK** to set the printer's persona.
15. When prompted, tap **OK** to get the printer's new fingerprint.
16. When prompted 'The repair transaction was completed successfully!', tap **OK** to complete re-pairing of the formatter or engine controller boards.

 **NOTE:** You need to onboard the printer again after replacement of formatter board.

Troubleshooting error codes

This section helps you to identify the errors that appear during the pairing process.

- If any error occurs, it means that the pairing is unsuccessful.
- Pairing failure could be due to different reasons, please see the table below for more details.

Table 1-3 List of error messages

Exception/Cause	FMEA error code	HTTP response code	Endpoint of Device Apis	Support service - HTTP response code	Support service message
Invalid version provided for fingerprint upload	RPC400001	400	/devices/v1/repair/persona	400	Invalid fingerprint [repair] Invalid version provided for fingerprint upload
Not a repair fingerprint (No replacement records found)	RPC409001	409	/devices/v1/repair/persona	409	Server Error while generating persona [repair] Not a repair fingerprint (No replacement records found)
Invalid/corrupted postcard	RPC400002	400	/devices/v1/repair/persona	400	Invalid fingerprint [repair] Invalid/corrupted postcard
Invalid fingerprint	RPC400003	400	/devices/v1/repair/persona	400	Invalid fingerprint [repair] Invalid fingerprint
Entity_id & device_uuid_mismatch in postcard	RPC400004	400	/devices/v1/repair/persona	400	Invalid fingerprint [repair] entity_id & device_uuid_mismatch in postcard
Part_verification_failed	RPC400005	400	/devices/v1/repair/persona	400	Invalid fingerprint [repair] part_verification_failed
Failed persisting information	RPC500001	500	/devices/v1/repair/persona	500	Server Error while generating persona [repair] Failed persisting information
Server_error_decrypting_postcard	RPC500002	500	/devices/v1/repair/persona	500	Server Error while generating persona [repair] server_error_decrypting_postcard
Server_error_reading_part_information	RPC500003	500	/devices/v1/repair/persona	500	Server Error while generating persona [repair] server_error_reading_part_information
Server_creating_persona	RPC500004	500	/devices/v1/repair/persona	500	Server Error while generating persona [repair] server_error_creating_persona
Server_error_signing_part_information	RPC500005	500	/devices/v1/repair/persona	500	Server Error while generating persona [repair] server_error_signing_part_information
Invalid version provided for fingerprint upload	RPC400100	400	/device/v1/repair/fingerprint/report	400	Invalid_fingerprint [repair] Invalid version provided for fingerprint upload

Table 1-3 List of error messages (continued)

Exception/Cause	FMEA error code	HTTP response code	Endpoint of Device Apis	Support service - HTTP response code	Support service message
Invalid/corrupted postcard	RPC400101	400	/device/v1/repair/fingerprint/report	400	Invalid_fingerprint [repair] Invalid/corrupted postcard
Invalid/corrupted fingerprint	RPC400102	400	/device/v1/repair/fingerprint/report	400	Invalid_fingerprint [repair] Invalid/corrupted fingerprint
The requested device not previously requested for repair	RPC400103	400	/device/v1/repair/fingerprint/report	400	Invalid_fingerprint [repair] The requested device not previously requested for repair
The device repair is not successful (Either DCCReplacementRecord or FmtrReplacementRecord is present in the fingerprint)	RPC400104	400	/device/v1/repair/fingerprint/report	400	Invalid_fingerprint [repair] The device repair is not successful (Either DCCReplacmentRecord or FmtrReplacmentRecord is present in the fingerprint)
Unable to persist/query data	RPC500100	500	/device/v1/repair/fingerprint/report	500	Server Error while generating persona. [repair] Unable to persist/query data
Error response from device catalogue	RPC500101	500	/device/v1/repair/fingerprint/report	500	Server Error while generating persona. [repair] Error response from device catalogue
Parsing error	RPC500102	500	/device/v1/repair/fingerprint/report	500	Server Error while generating persona. [repair] Parsing error
The requested device is already acknowledged	RPC400105	400	/device/v1/repair/fingerprint/report	400	Invalid_fingerprint [repair] The requested device is already acknowledged

Removal and replacement procedures

Learn how to remove and replace selected parts on the printer.

Customer self-repair (CSR) A parts and assemblies

The CSR level indicates the expected difficulty the customer will experience when removing and replacing an assembly. The CSR A assemblies in this section are easy for the customer to remove and replace.

Removal and replacement: Toner cartridge

This section provides the procedure to remove and replace the toner cartridge assembly.

Remove the toner cartridge

1. Open the cartridge access door.

Figure 1-2 Open the cartridge access door



2. Remove the toner cartridge from the printer.

Install the toner cartridge

 **TIP:** [Unpack the replacement assembly on page 13.](#)

1. Align the new toner cartridge with the tracks inside the printer, and install the new toner cartridge until it is firmly seated.


2. Close the cartridge access door.

Figure 1-3 Close the cartridge access door



Unpack the replacement assembly


1. Dispose of the defective part.


 **NOTE:** HP recommends responsible disposal of the defective part.

www.hp.com/recycle



2. Unpack the replacement part from the packaging.

 **CAUTION:** If the replacement part is a roller or pad, avoid touching the spongy part of it. Skin oils on the roller or pad can cause paper pick-up and/or print-quality problems. HP recommends using disposable gloves when handling rollers or pads or washing your hands before touching rollers or pads.

 **IMPORTANT:** Make sure that all the shipping materials (for example shipping tape) are removed from the replacement part prior to installation.

Field Replaceable Units (FRUs)

This section provides the procedure to remove and replace the Field Replaceable Units (FRUs).

- [Removal and replacement: External parts, covers, and doors on page 15](#)
- [Removal and replacement: Document feeder and assemblies on page 64](#)
- [Removal and replacement: Internal parts and assemblies on page 77](#)

Removal and replacement: External parts, covers, and doors

Learn how to remove and replace the external parts, covers, and doors.

- [HP LaserJet Pro 3001-3008 series on page 16](#)
- [HP LaserJet Pro MFP 3101-3108 series on page 34](#)

HP LaserJet Pro 3001-3008 series

Learn how to remove and replace the external parts.

- [Removal and replacement: Front cover \(SFP\) on page 16](#)
- [Removal and replacement: Left cover \(SFP\) on page 18](#)
- [Removal and replacement: Right cover \(SFP\) on page 20](#)
- [Removal and replacement: Top cover and cartridge door assembly \(SFP\) on page 22](#)
- [Removal and replacement: Duplex door \(SFP\) on page 31](#)

Removal and replacement: Front cover (SFP)

This document provides the procedures to remove and replace the front cover.

Before performing service

Turn the printer power off

- Disconnect the power cable

⚠ WARNING! To avoid damage to the printer, turn the printer off, wait for 30 seconds, and then remove the power cable before attempting to service the printer.

Use the table below to identify the correct part number for your printer. To order the part, go to www.hp.com/buy/parts.

Table 1-4 Part information

Part number	Part description
RC5-7545-000CN	Cover, front

Required tools

- #2 Phillips screwdriver with a magnetic tip
- Small flat-blade screwdriver

After performing service

Turn the printer power on

- Connect the power cable
- Use the power switch to turn the power on

Post service test

There is no post service test for this assembly.

Remove the front cover (SFP)

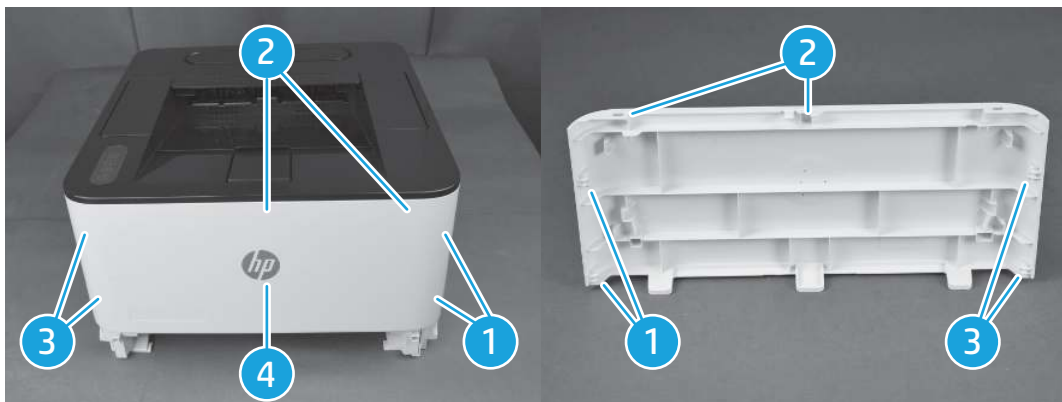
1. Remove the input tray.

Figure 1-4 Remove the input tray



2. Release two tabs (callout 1), and then release two tabs (callout 2).
3. Release two tabs (callout 3), and then remove the front cover assembly (callout 4).

Figure 1-5 Remove the front cover



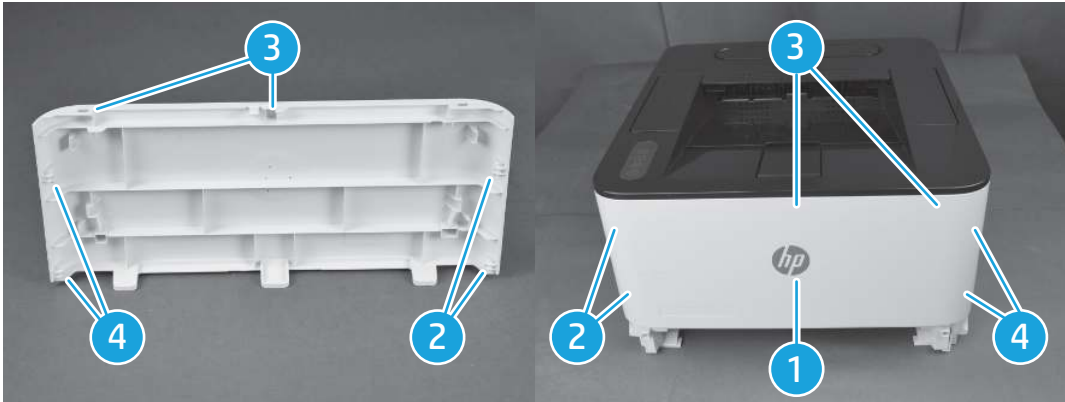
Install the front cover (SFP)

 **TIP:** [Unpack the replacement assembly on page 13.](#)

1. Position the front cover assembly (callout 1) and engage two tabs (callout 2).

- Engage two tabs (callout 3) and then engage two tabs (callout 4).

Figure 1-6 Install the front cover



- Close the input tray.

Figure 1-7 Close the input tray



Removal and replacement: Left cover (SFP)

This document provides the procedures to remove and replace the left cover (SFP).

Before performing service

Turn the printer power off

- Disconnect the power cable

⚠ WARNING! To avoid damage to the printer, turn the printer off, wait for 30 seconds, and then remove the power cable before attempting to service the printer.

Use the table below to identify the correct part number for your printer. To order the part, go to www.hp.com/buy/parts.

Table 1-5 Part information

Part number	Part description
RC5-7541-000CN	Cover, left

Required tools

- #2 Phillips screwdriver with a magnetic tip
- Small flat-blade screwdriver

After performing service

Turn the printer power on

- Connect the power cable
- Use the power switch to turn the power on

Post service test

There is no post service test for this assembly.

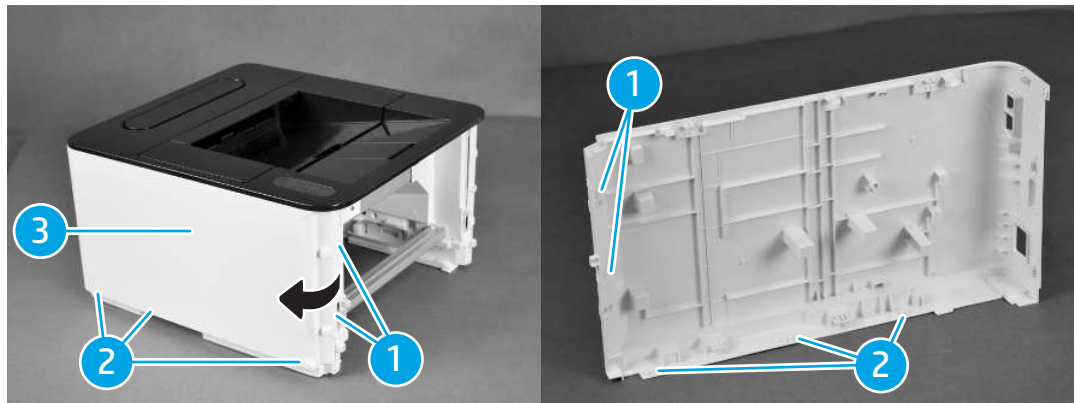
Before proceeding, remove the following parts

- [Remove the front cover \(SFP\) on page 17](#)

Remove the left cover (SFP)

1. Release two bosses (callout 1) and then release three tabs (callout 2).
2. Rotate the left cover (callout 3) in the direction that arrow indicates and remove it.

Figure 1-8 Remove left cover



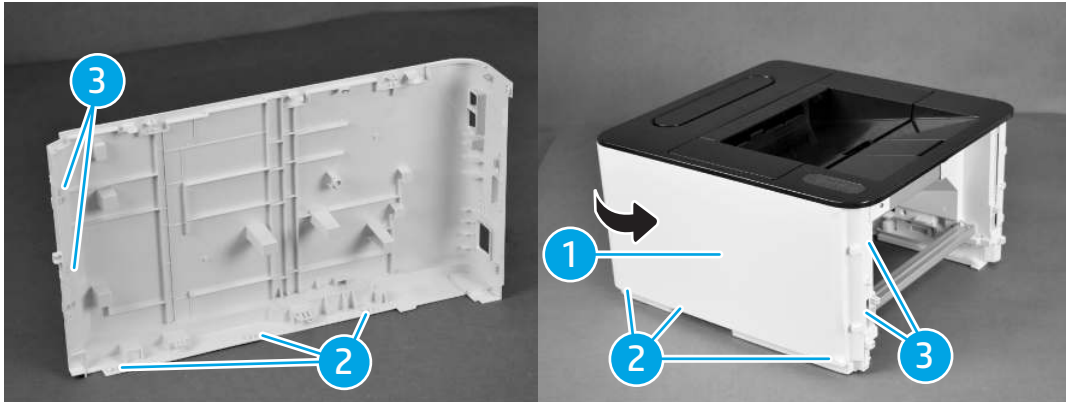
Install the left cover (SFP)

TIP: [Unpack the replacement assembly on page 13.](#)

1. Position the left cover assembly (callout 1) in the direction that arrow indicates.

- Engage three tabs (callout 2) and then engage two bosses (callout 3).

Figure 1-9 Install the left cover (SFP)



After installing the left cover (SFP):

- [Install the front cover \(SFP\) on page 17](#)

Removal and replacement: Right cover (SFP)

This document provides the procedures to remove and replace the right cover (SFP).

Before performing service

Turn the printer power off

- Disconnect the power cable

⚠ WARNING! To avoid damage to the printer, turn the printer off, wait for 30 seconds, and then remove the power cable before attempting to service the printer.

Use the table below to identify the correct part number for your printer. To order the part, go to www.hp.com/buy/parts.

Table 1-6 Part information

Part number	Part description
RC5-7542-000CN	Cover, right

Required tools

- #2 Phillips screwdriver with a magnetic tip
- Small flat-blade screwdriver

After performing service

Turn the printer power on

- Connect the power cable
- Use the power switch to turn the power on

Post service test

There is no post service test for this assembly.

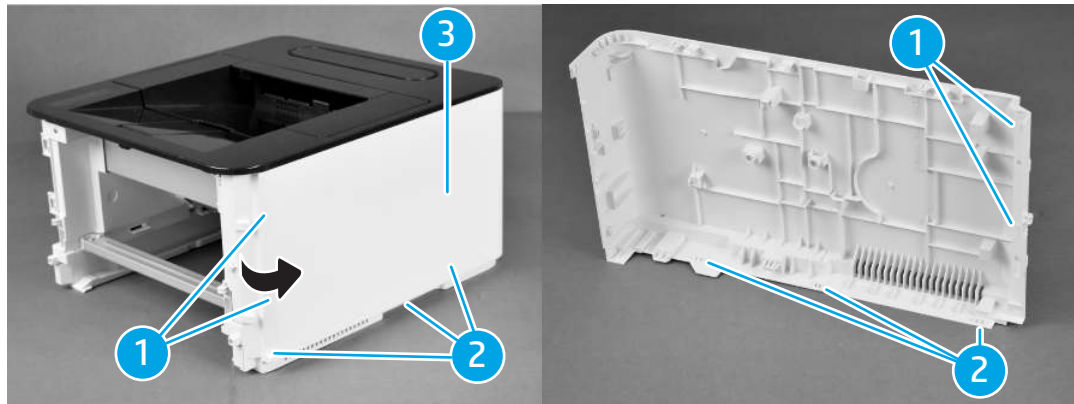
Before proceeding, remove the following parts

- [Remove the front cover \(SFP\) on page 17](#)

Remove the right cover (SFP)

1. Release two bosses (callout 1) and then release three tabs (callout 2).
2. Rotate the right cover (callout 3) in the direction that arrow indicates and remove it.

Figure 1-10 Remove right cover

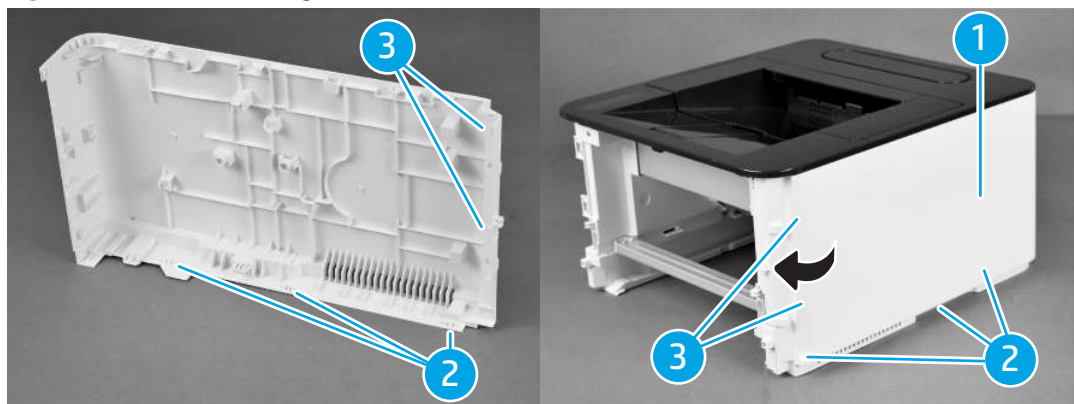


Install the right cover (SFP)

TIP: [Unpack the replacement assembly on page 13.](#)

1. Position the right cover assembly (callout 1) in the direction that arrow indicates.
2. Engage three tabs (callout 2) and then engage two bosses (callout 3).

Figure 1-11 Remove the right cover



After installing the right cover (SFP):

- [Install the front cover \(SFP\) on page 17](#)

Removal and replacement: Top cover and cartridge door assembly (SFP)

This document provides the procedures to remove and replace the top cover and cartridge door assembly.

Before performing service

Turn the printer power off

- Disconnect the power cable

⚠ WARNING! To avoid damage to the printer, turn the printer off, wait for 30 seconds, and then remove the power cable before attempting to service the printer.

Use the table below to identify the correct part number for your printer. To order the part, go to www.hp.com/buy/parts.

Table 1-7 Part information

Part number	Part description
RM2-3217-000CN	Cartridge door assembly
RM2-3271-000CN	Top cover assembly

Required tools

- #2 Phillips screwdriver with a magnetic tip
- Small flat-blade screwdriver

After performing service

Turn the printer power on

- Connect the power cable
- Use the power switch to turn the power on

Post service test

Try to print a page and verify the print.

Before proceeding, remove the following parts

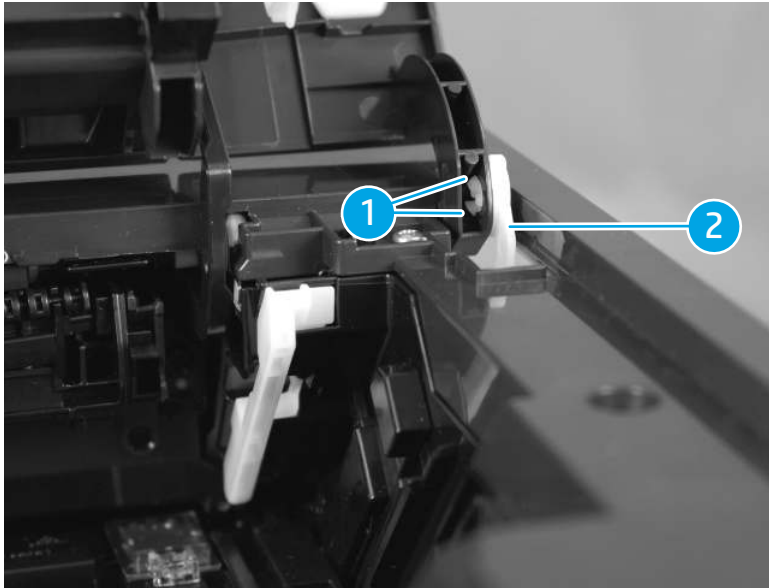
- [Remove the front cover \(SFP\) on page 17](#)
- [Remove the left cover \(SFP\) on page 19](#)
- [Remove the right cover \(SFP\) on page 21](#)

Remove the top cover assembly and cartridge door assembly (SFP)

1. Open the cartridge door assembly.

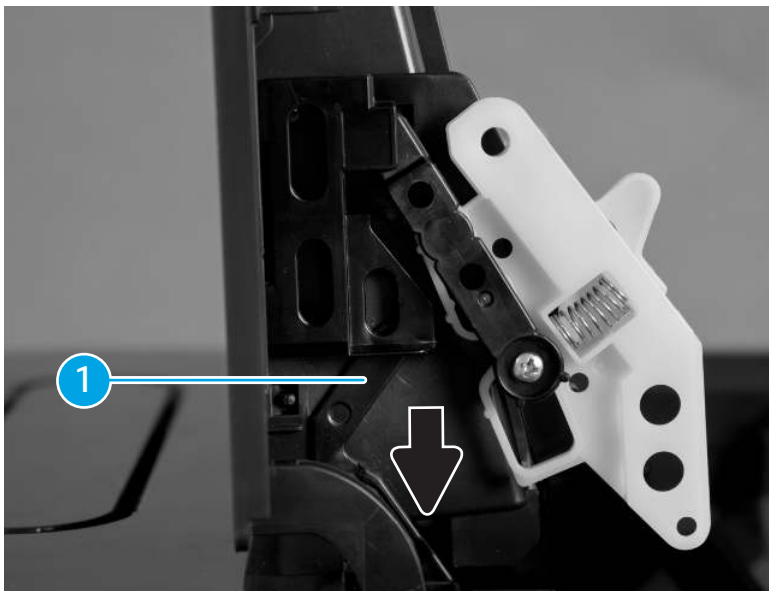
2. Release two tabs (callout 1) and remove the link arm (callout 2).

Figure 1-12 Release two tabs



3. Pull the link arm (callout 1) in the direction of the arrow while opening the cartridge door assembly.
4. Remove the link arm (callout 1).

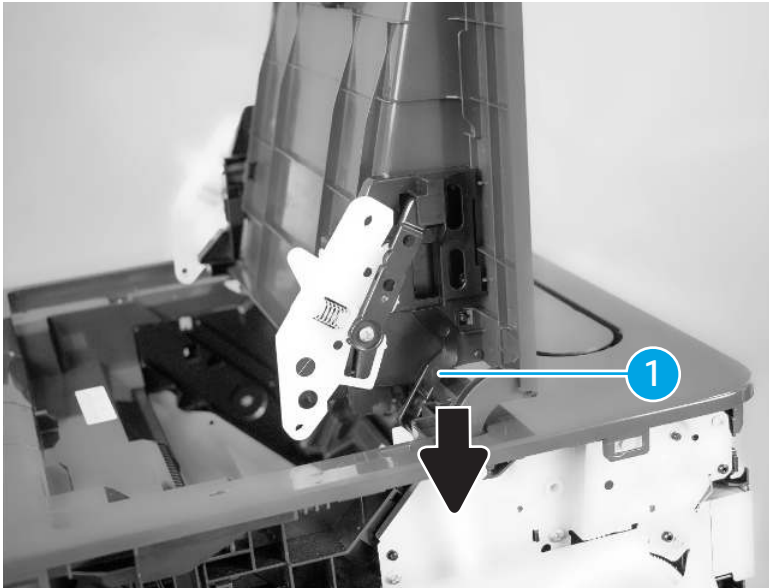
Figure 1-13 Remove the link arm



5. Pull the link arm (callout 1) in the direction of the arrow while opening the cartridge door assembly.

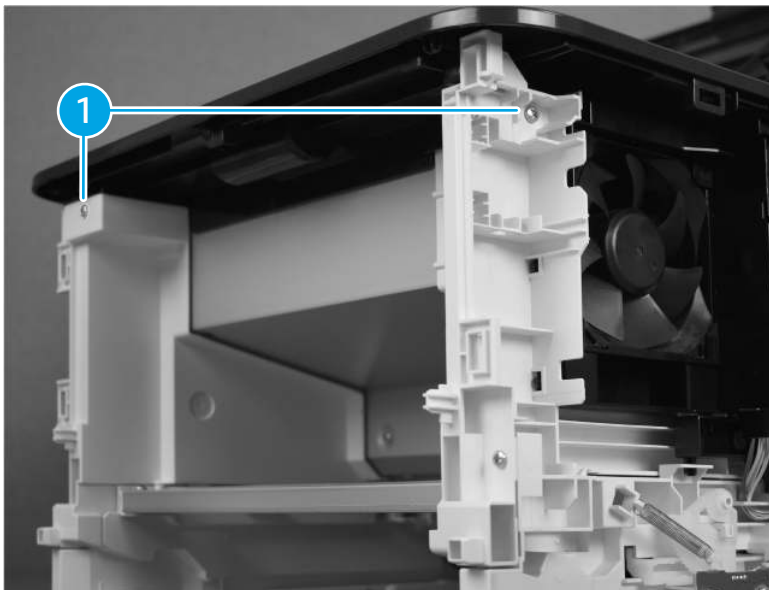
6. Remove the link arm (callout 1).

Figure 1-14 Remove the link arm



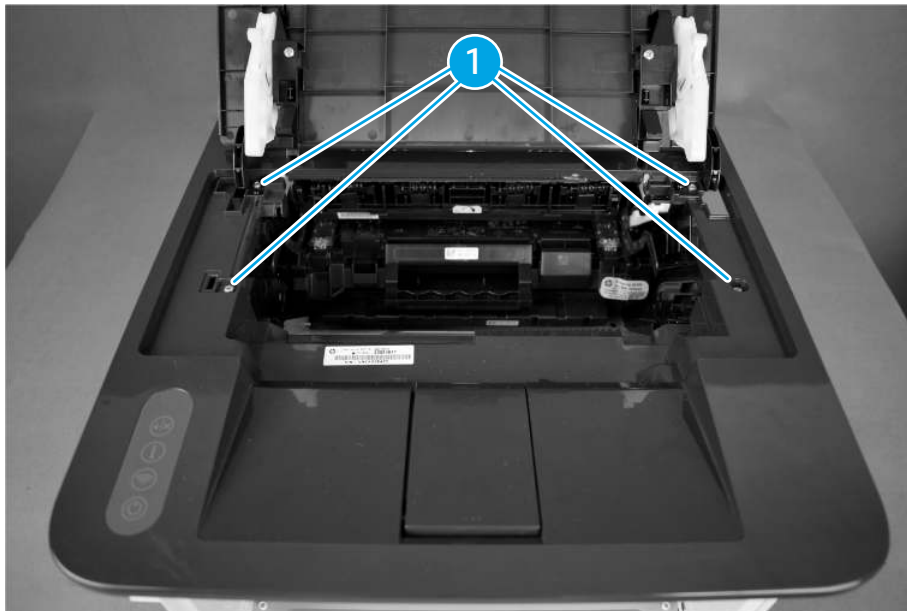
7. Remove two screws (callout 1).

Figure 1-15 Remove two screws



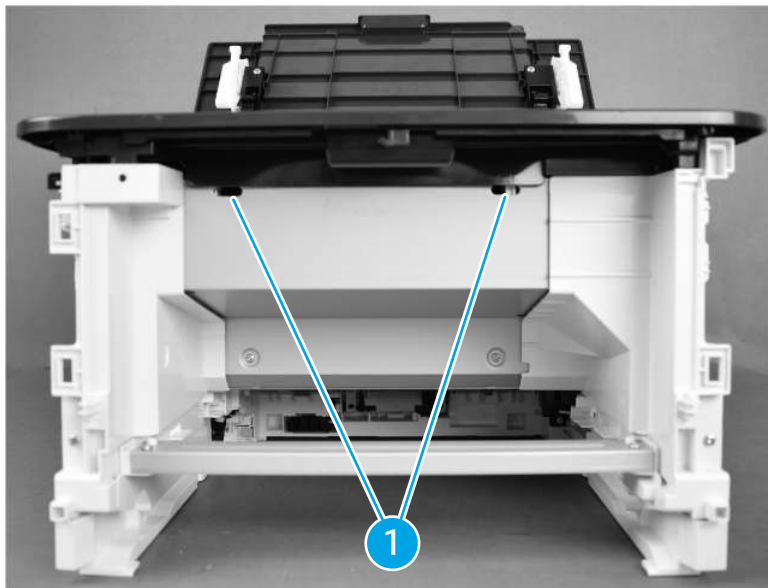
8. Remove four screws (callout 1).

Figure 1-16 Remove four screws



9. Release two tabs (callout 1).

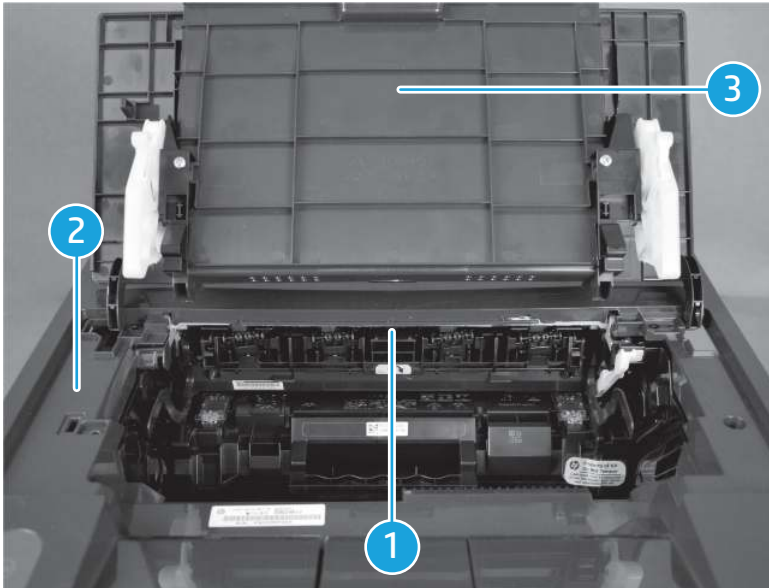
Figure 1-17 Release two tabs



10. Release one tab (callout 1) and then open the duplex door.

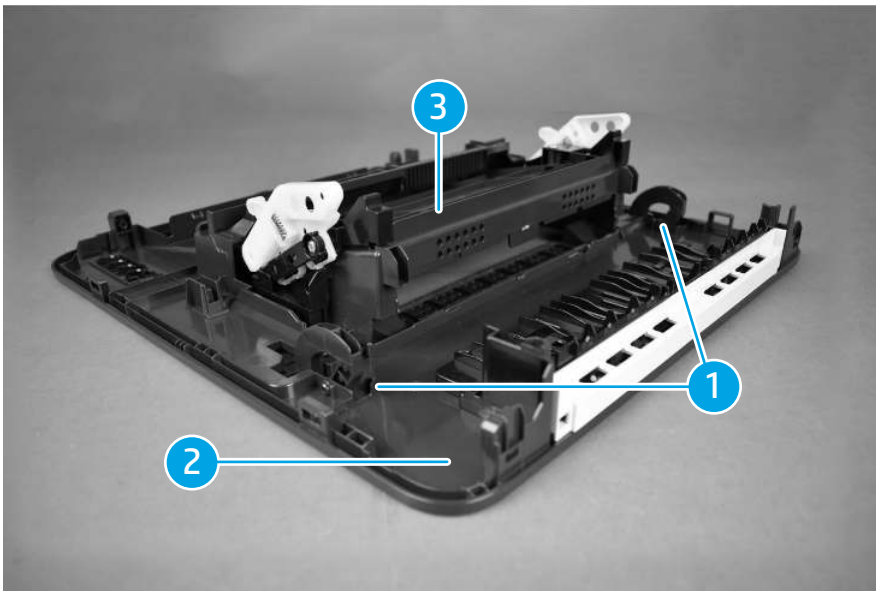
11. Remove the top cover assembly (callout 2) and the cartridge door assembly (callout 3) together.

Figure 1-18 Remove the top cover assembly




12. Release two tabs (callout 1) and remove the cartridge door assembly (callout 3) from the top cover assembly (callout 2).

Figure 1-19 Remove the cartridge door assembly

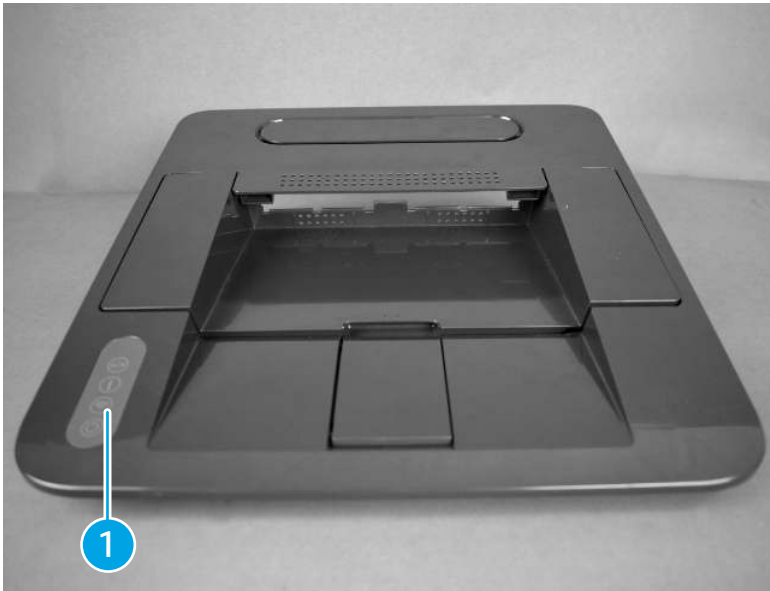


Install the top cover assembly and cartridge door assembly (SFP)

 **TIP:** [Unpack the replacement assembly on page 13.](#)

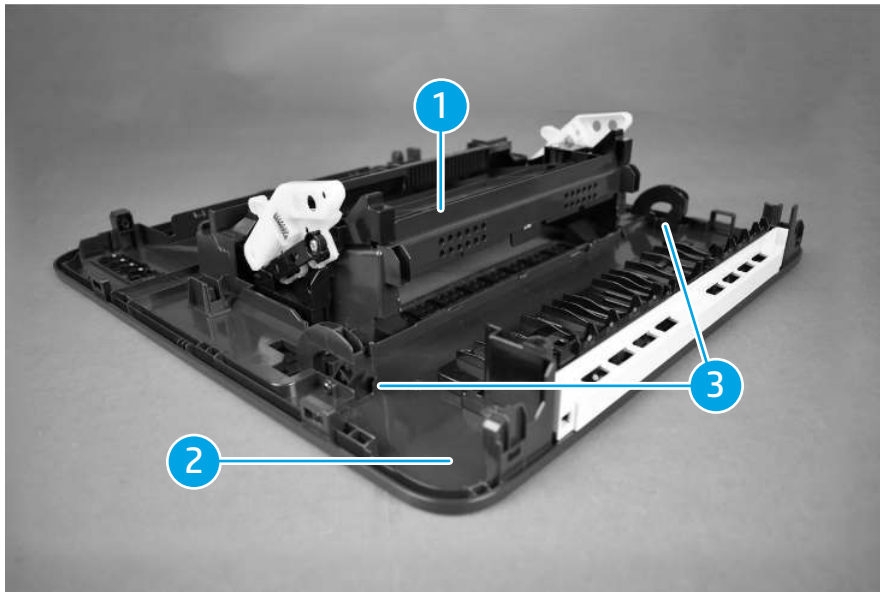
 **NOTE:** The control panel sheet (callout 1) is not attached to the top cover assembly of the service part.

When installing a new top cover assembly, do not forget to put the control panel sheet (callout 1) to the top cover assembly.



1. Position the cartridge door assembly (callout 1) on the top cover assembly (callout 2) and install two tabs (callout 3).

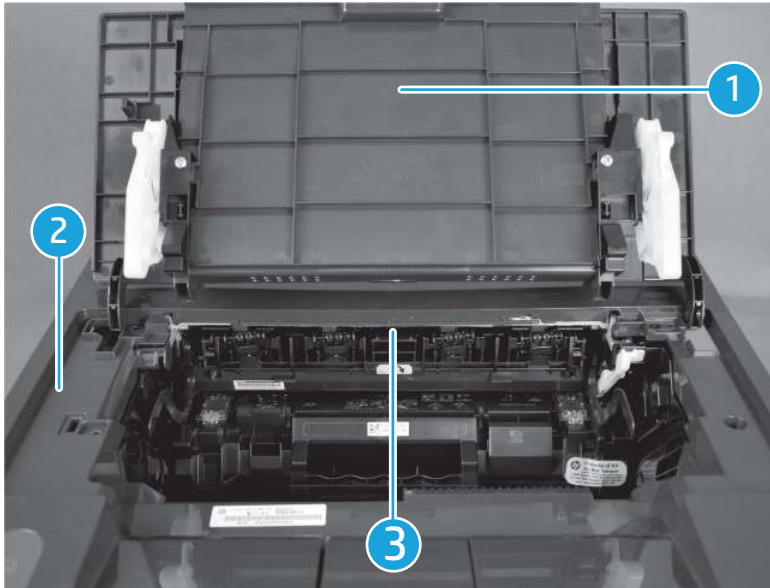
Figure 1-20 Position the cartridge door



2. Position the cartridge door assembly (callout 1) and the top cover assembly (callout 2).

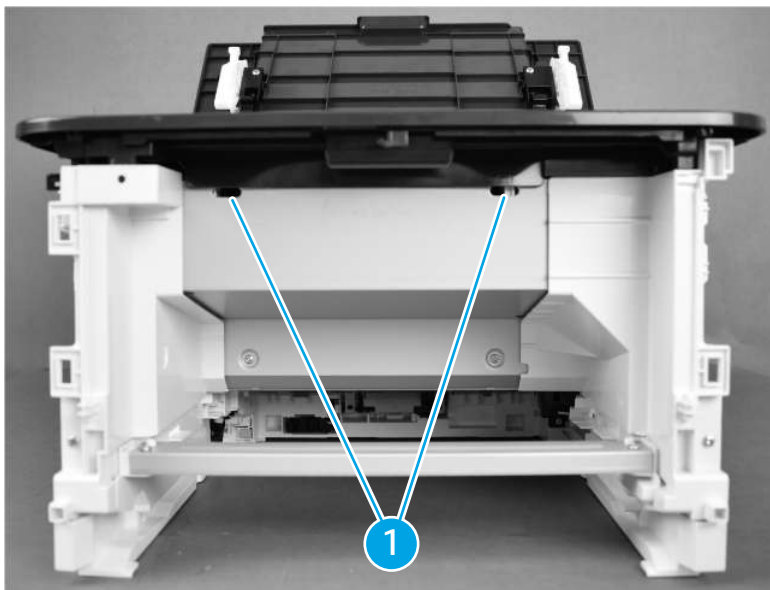
3. Close the duplex door and engage one tab (callout 3).

Figure 1-21 Position the cartridge door and top cover



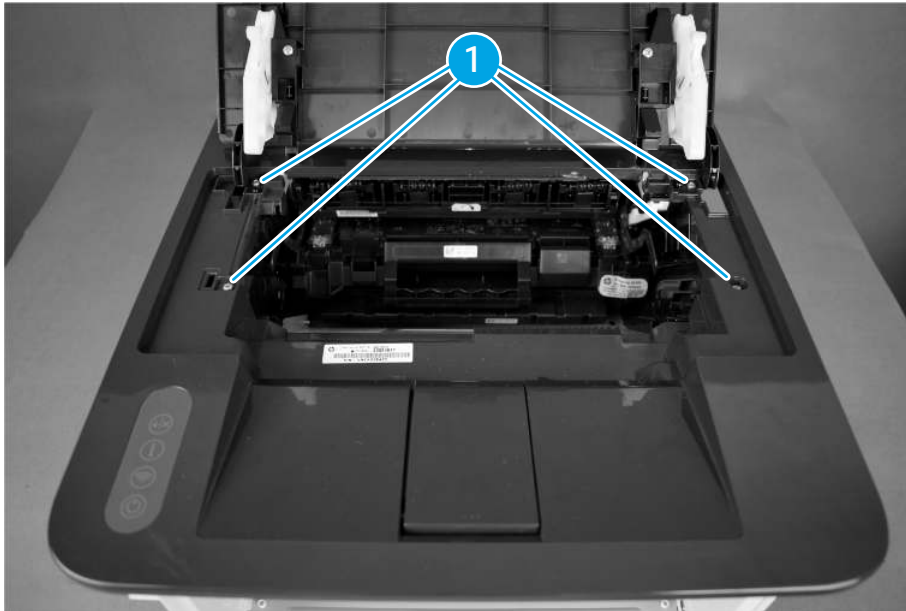
4. Engage two tabs (callout 1).

Figure 1-22 Engage two tabs



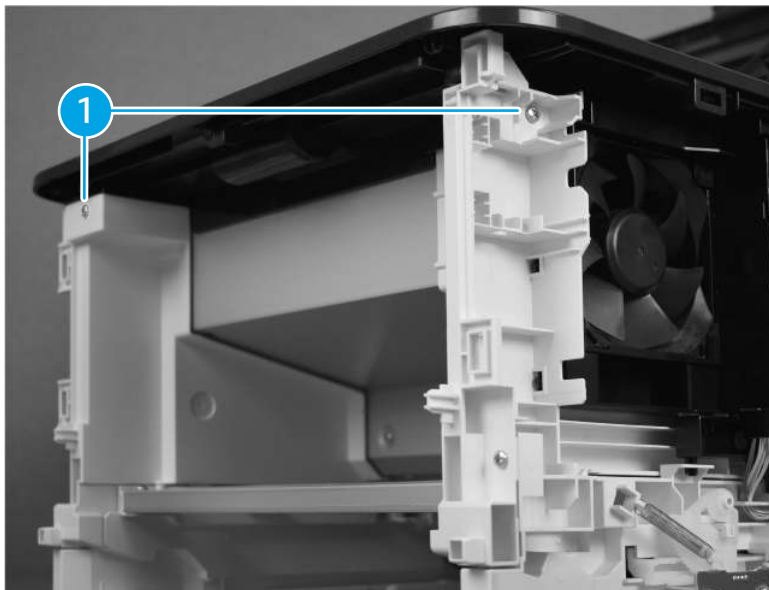
5. Install four screws (callout 1).

Figure 1-23 Install four screws



6. Install two screws (callout 1).

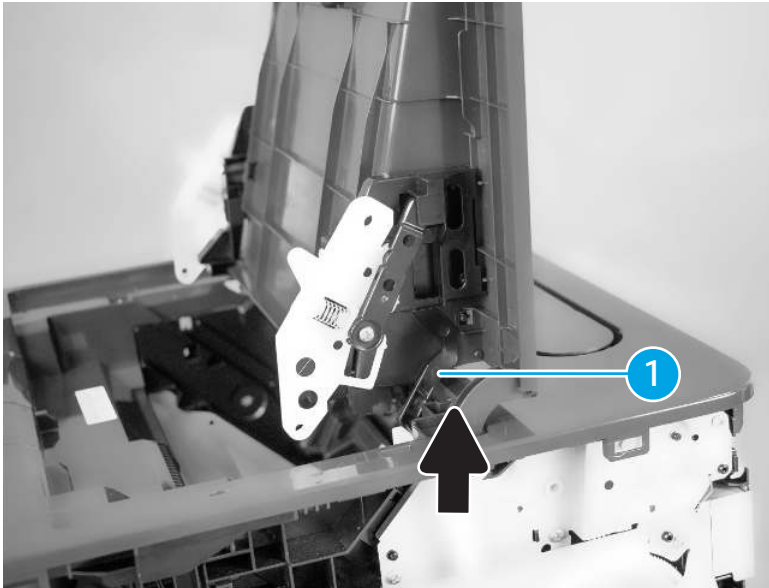
Figure 1-24 Install two screws



7. Connect the link arm (callout 1).

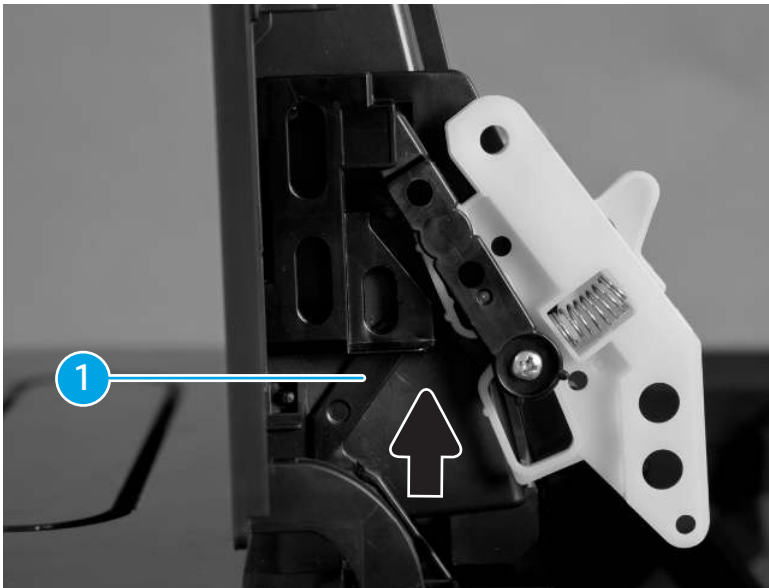
8. Push the link arm (callout 1) in the direction the arrow indicates while closing the cartridge door assembly.

Figure 1-25 Connect the link arm



9. Connect the link arm (callout 1).
10. Push the link arm (callout 1) in the direction the arrow indicates while closing the cartridge door assembly.

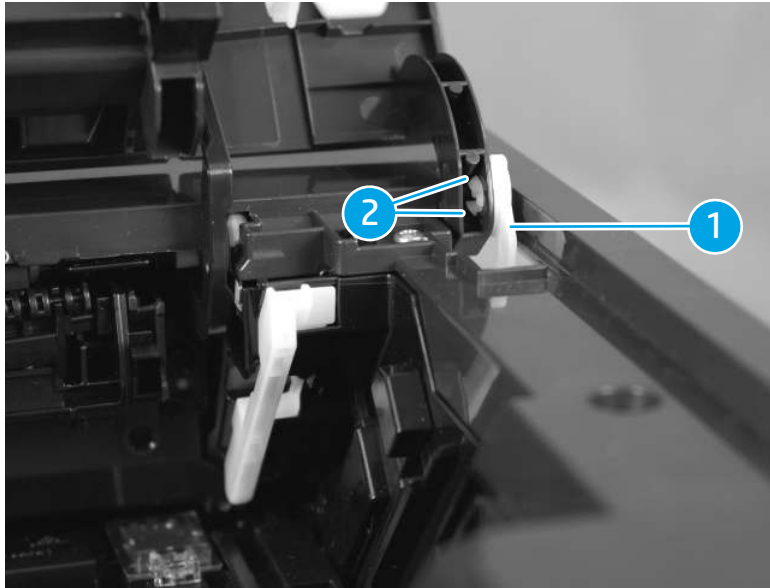
Figure 1-26 Connect the link arm



11. Install the link arm (callout 1) and engage two tabs (callout 2).

12. Close the cartridge door assembly.

Figure 1-27 Close the cartridge door



After installing the cartridge door assembly (SFP):

- [Install the right cover \(SFP\) on page 21](#)
- [Install the left cover \(SFP\) on page 19](#)
- [Install the front cover \(SFP\) on page 17](#)

Removal and replacement: Duplex door (SFP)

This document provides the procedures to remove and replace the duplex door.

Before performing service

Turn the printer power off

- Disconnect the power cable

⚠ WARNING! To avoid damage to the printer, turn the printer off, wait for 30 seconds, and then remove the power cable before attempting to service the printer.

Use the table below to identify the correct part number for your printer. To order the part, go to www.hp.com/buy/parts.

Table 1-8 Part information

Part number	Part description
RC5-7592-000CN	Door, duplexing

- #2 Phillips screwdriver with a magnetic tip
- Small flat-blade screwdriver

After performing service

Turn the printer power on

- Connect the power cable
- Use the power switch to turn the power on

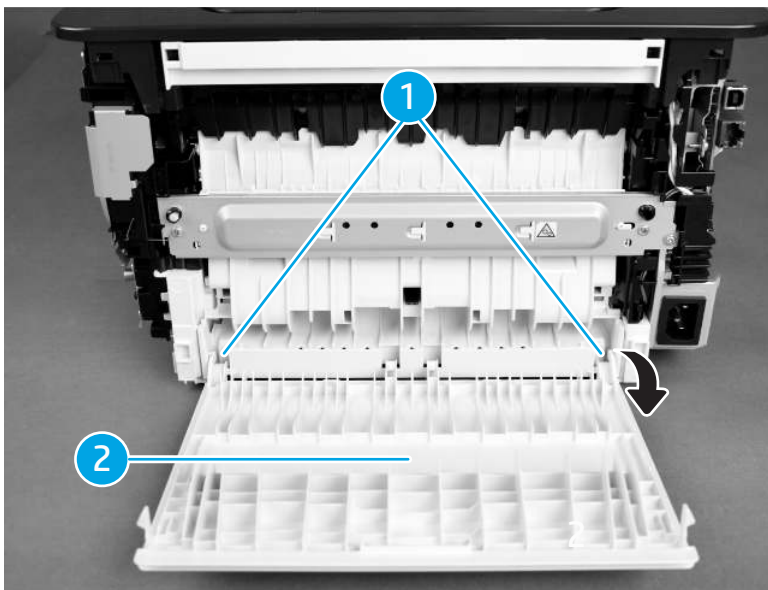
Post service test

Try to print a page and verify the print.

Remove the duplex door (SFP)

1. Open the duplex door.
2. Use a small flat-blade screwdriver to release two tabs (callout 1).
3. Rotate the duplex door (callout 2) in the direction that arrow indicates and remove it.

Figure 1-28 Remove the duplex door



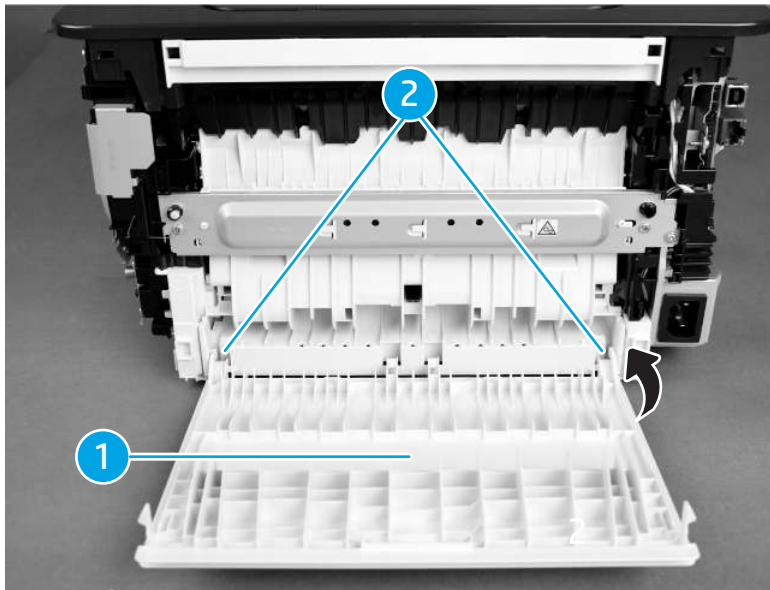
Install the duplex door (SFP)

 **TIP:** [Unpack the replacement assembly on page 13.](#)

1. Position the duplex door (callout 1) at the tabs.
2. Use a small flat-blade screwdriver and engage two tabs (callout 2).

3. Close the duplex door.

Figure 1-29 Install the duplex door



HP LaserJet Pro MFP 3101–3108 series

Learn how to remove and replace the external parts.

- [Removal and replacement: Front cover assembly \(MFP\) on page 35](#)
- [Removal and replacement: Left cover assembly \(MFP\) on page 37](#)
- [Removal and replacement: Right cover assembly \(MFP\) on page 40](#)
- [Removal and replacement: Image scanner assembly \(MFP\) on page 42](#)
- [Removal and replacement: Cartridge door assembly \(MFP\) on page 49](#)
- [Removal and replacement: Top cover assembly \(MFP\) on page 54](#)
- [Removal and replacement: Duplex door \(MFP\) on page 62](#)

Removal and replacement: Front cover assembly (MFP)

This document provides the procedures to remove and replace the front cover assembly.

Before performing service

Turn the printer power off

- Disconnect the power cable

⚠ WARNING! To avoid damage to the printer, turn the printer off, wait for 30 seconds, and then remove the power cable before attempting to service the printer.

Use the table below to identify the correct part number for your printer. To order the part, go to www.hp.com/buy/parts.

Table 1-9 Part information

Part number	Part description
RC5-7554-000CN	Cover, front

Required tools

- #2 Phillips screwdriver with a magnetic tip
- Small flat-blade screwdriver

After performing service

Turn the printer power on

- Connect the power cable
- Use the power switch to turn the power on

Post service test

Verify that the document feeder and the flatbed scanner are correctly functioning (copy a page).

Remove the front cover assembly (MFP)

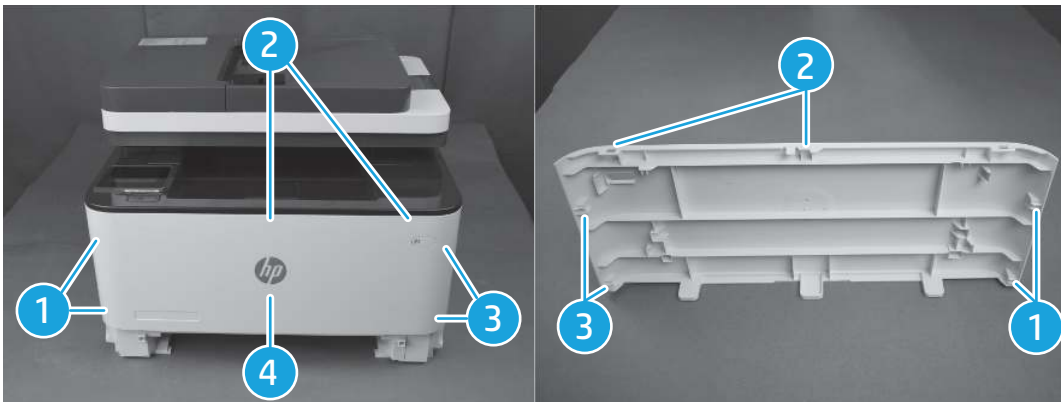
1. Remove the input tray.

Figure 1-30 Remove the input tray



2. Release two tabs (callout 1), and then release two tabs (callout 2).
3. Release two tabs (callout 3), and then remove the front cover assembly (callout 4).

Figure 1-31 Remove the front cover



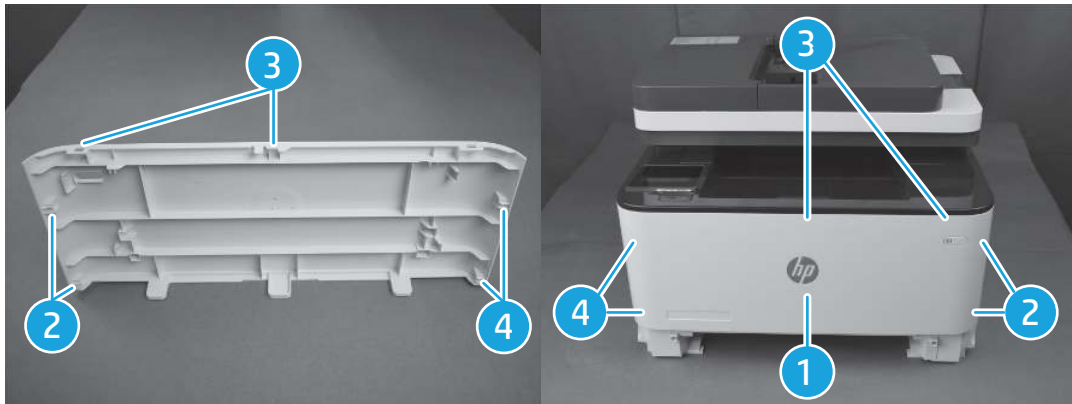
Install the front cover assembly (MFP)

 **TIP:** [Unpack the replacement assembly on page 13.](#)

1. Position the front cover assembly (callout 1), and engage two tabs (callout 2).

- Engage two tabs (callout 3), and then engage two tabs (callout 4).

Figure 1-32 Install the front cover assembly



- Install the input tray.

Figure 1-33 Install the input tray



Removal and replacement: Left cover assembly (MFP)

This document provides the procedures to remove and replace the left cover assembly.

Before performing service

Turn the printer power off

- Disconnect the power cable

⚠ WARNING! To avoid damage to the printer, turn the printer off, wait for 30 seconds, and then remove the power cable before attempting to service the printer.

Use the table below to identify the correct part number for your printer. To order the part, go to www.hp.com/buy/parts.

Table 1-10 Part information

Part number	Part description
RC5-7550-000CN	Cover, left

Required tools

- #2 Phillips screwdriver with a magnetic tip
- Small flat-blade screwdriver

After performing service

Turn the printer power on

- Connect the power cable
- Use the power switch to turn the power on

Post service test

Try to print a page and verify the print.

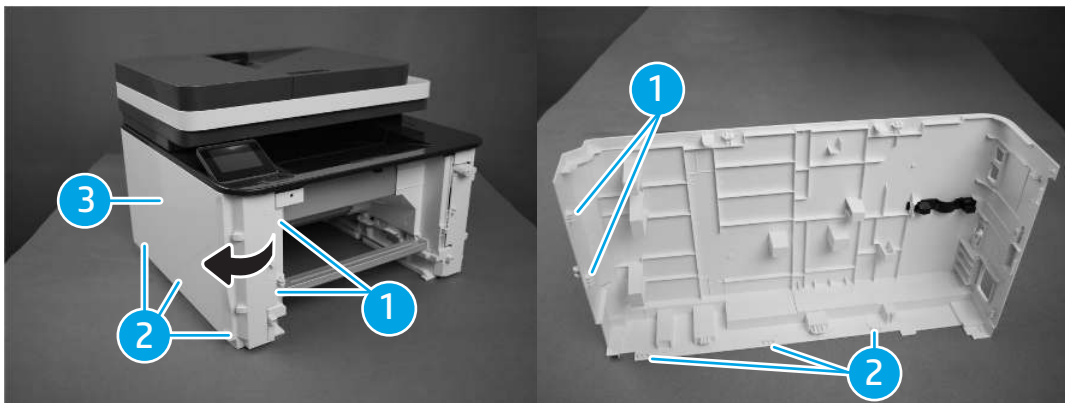
Before proceeding, remove the following parts

- [Remove the front cover assembly \(MFP\) on page 36](#)

Remove the left cover assembly (MFP)

1. Release two bosses (callout 1) and then release three tabs (callout 2).
2. Rotate the left cover (callout 3) in the direction that arrow indicates and remove it.

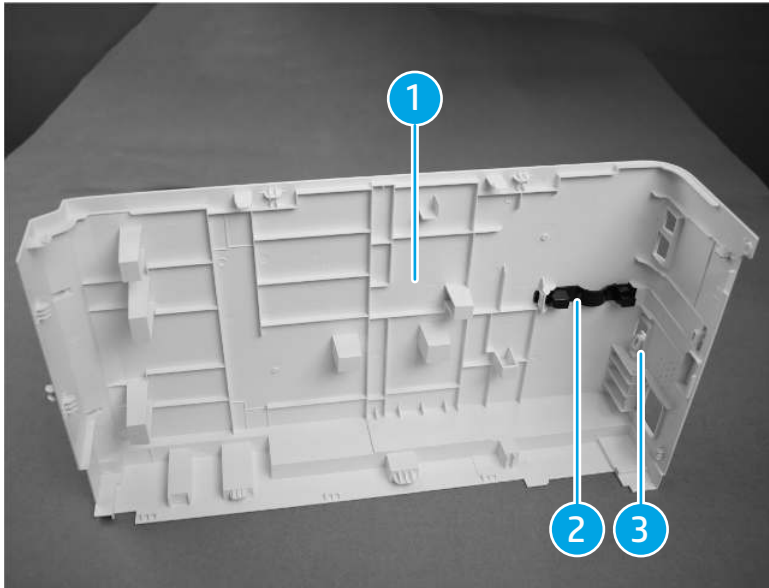
Figure 1-34 Remove the left cover



3. Remove the supporter (callout 2) from the left cover (callout 1).

4. Remove the cap (callout 3) from the left cover (callout 1).

Figure 1-35 Remove the left cap

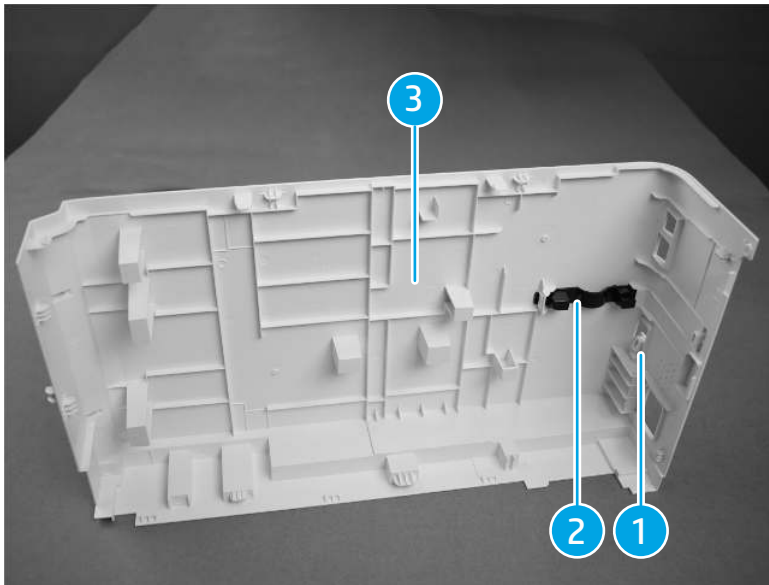


Install the left cover assembly (MFP)

 **TIP:** [Unpack the replacement assembly on page 13.](#)

1. Install the cap (callout 1) to the left cover (callout 3).
2. Install the supporter (callout 2) to the left cover (callout 3).

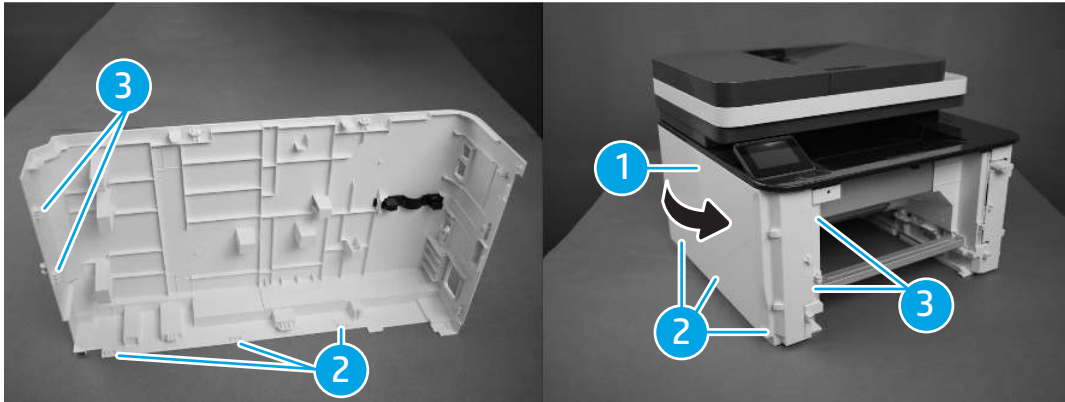
Figure 1-36 Install the cap



3. Position the left cover assembly (callout 1) in the direction that arrow indicates.

- Engage three tabs (callout 2) and then engage two bosses (callout 3).

Figure 1-37 Install the left cover



After installing the left cover (MFP):

- [Install the front cover assembly \(MFP\) on page 36](#)

Removal and replacement: Right cover assembly (MFP)

This document provides the procedures to remove and replace the right cover assembly.

Before performing service

Turn the printer power off

- Disconnect the power cable

⚠ WARNING! To avoid damage to the printer, turn the printer off, wait for 30 seconds, and then remove the power cable before attempting to service the printer.

Use the table below to identify the correct part number for your printer. To order the part, go to www.hp.com/buy/parts.

Table 1-11 Part information

Part number	Part description
RC5-7551-000CN	Cover, right

Required tools

- #2 Phillips screwdriver with a magnetic tip
- Small flat-blade screwdriver

After performing service

Turn the printer power on

- Connect the power cable
- Use the power switch to turn the power on

Post service test

Make sure that the printer initializes to a Ready state.

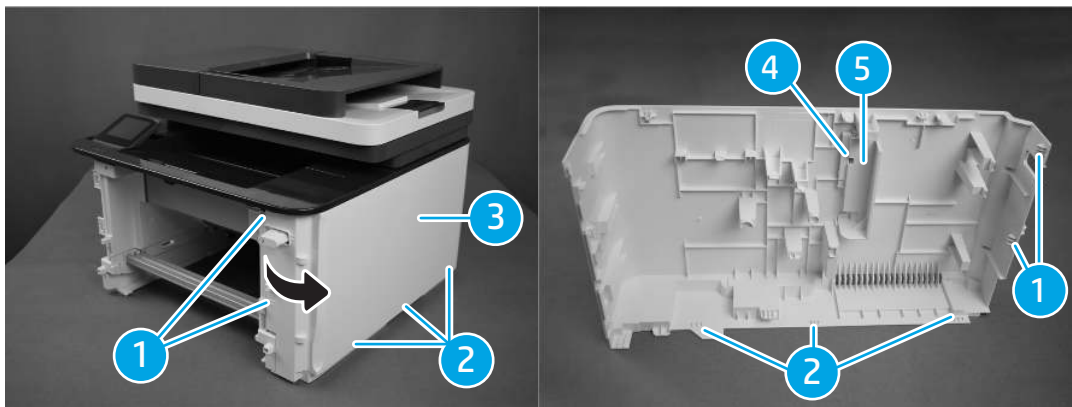
Before proceeding, remove the following parts

- [Remove the front cover assembly \(MFP\) on page 36](#)

Remove the right cover assembly (MFP)

1. Release two bosses (callout 1) and then release three tabs (callout 2).
2. Rotate the right cover (callout 3) in the direction that arrow indicates and remove it.
3. Release one tab (callout 4) and slide the air flow plate (callout 5) upward to remove it from the right cover (callout 3).

Figure 1-38 Remove the right cover

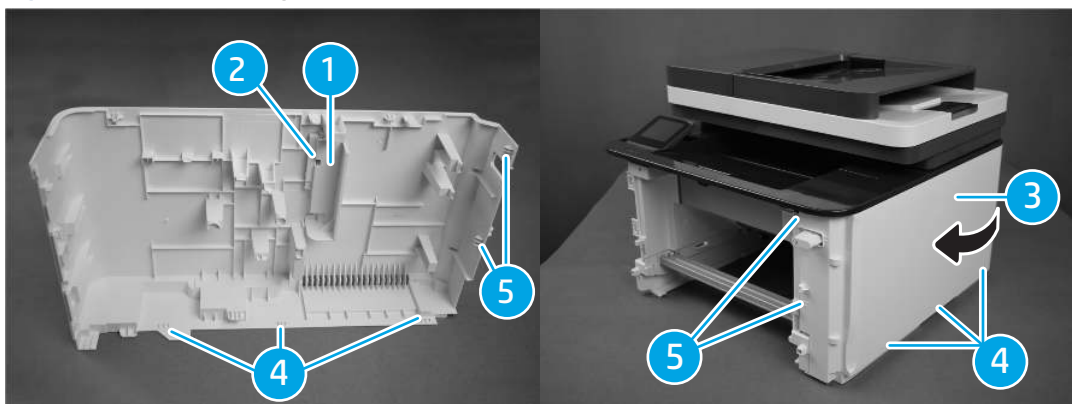


Install the right cover assembly (MFP)

TIP: [Unpack the replacement assembly on page 13.](#)

1. Slide the air flow plate (callout 1) downward to install it to the right cover (callout 3) and engage one tab (callout 2).
2. Position the right cover assembly (callout 3) in the direction that arrow indicates.
3. Engage three tabs (callout 4) and then engage two bosses (callout 5).

Figure 1-39 Install the right cover



After installing the right cover (MFP):

- [Install the front cover assembly \(MFP\) on page 36](#)

Removal and replacement: Image scanner assembly (MFP)

This document provides the procedures to remove and replace the image scanner assembly.

Before performing service

Turn the printer power off

- Disconnect the power cable

⚠ WARNING! To avoid damage to the printer, turn the printer off, wait for 30 seconds, and then remove the power cable before attempting to service the printer.

Use the table below to identify the correct part number for your printer. To order the part, go to www.hp.com/buy/parts.

Table 1-12 Part information

Part number	Part description
RM2-3416-000CN	Image Scanner without ADF assembly

Required tools

- #2 Phillips screwdriver with a magnetic tip
- Small flat-blade screwdriver

After performing service

Turn the printer power on

- Connect the power cable
- Use the power switch to turn the power on

Post service test

Verify that the document feeder and the flatbed scanner are correctly functioning (copy a page).

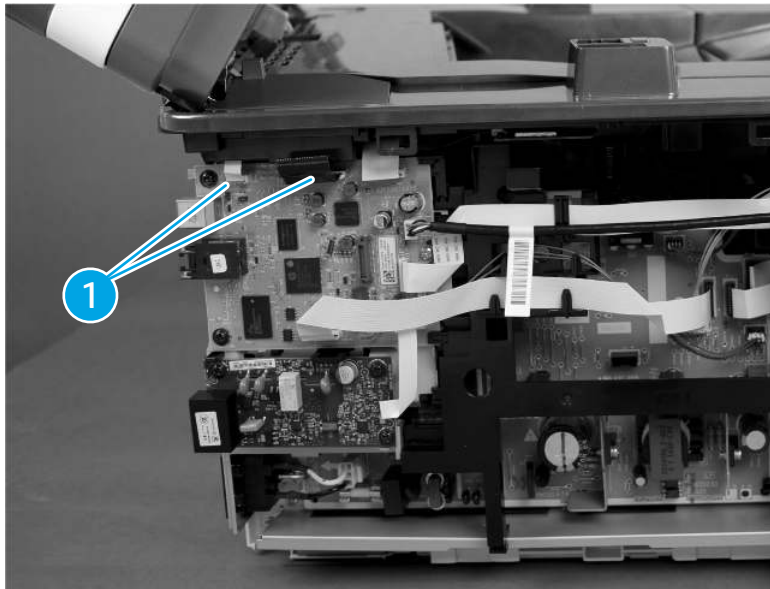
Before proceeding, remove the following parts

- [Remove the front cover assembly \(MFP\) on page 36](#)
- [Remove the left cover assembly \(MFP\) on page 38](#)
- [Remove the right cover assembly \(MFP\) on page 41](#)

Remove the image scanner (MFP)

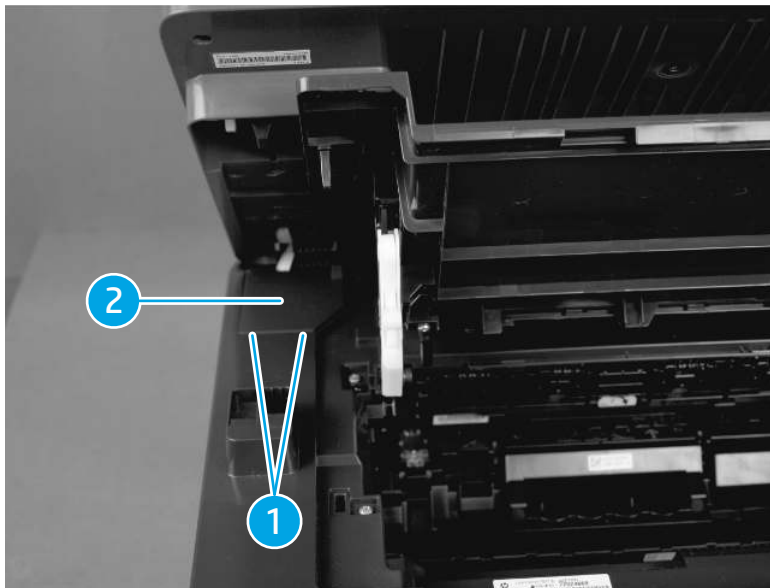
1. Remove two FFCs (callout 1).

Figure 1-40 Remove two FFCs (MFP)



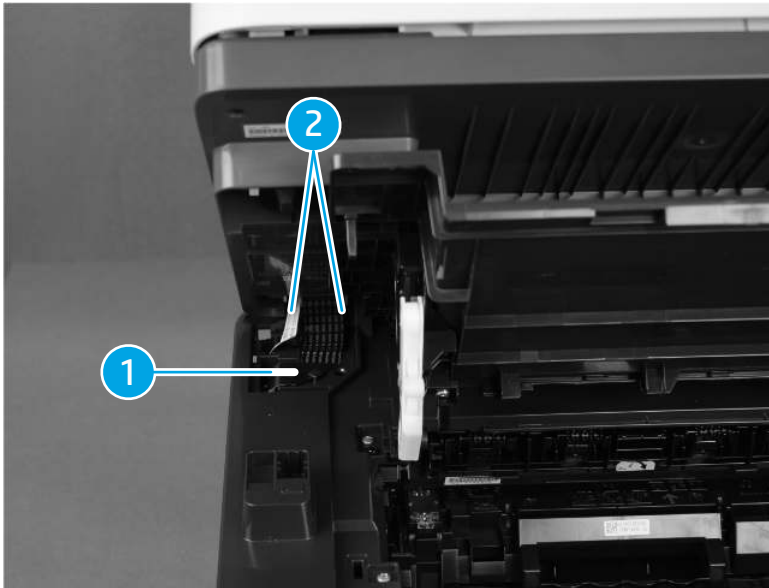
2. Open the cartridge door assembly.
3. Release two tabs (callout 1) and remove the FFC cover (callout 2).

Figure 1-41 Release two tabs (MFP)



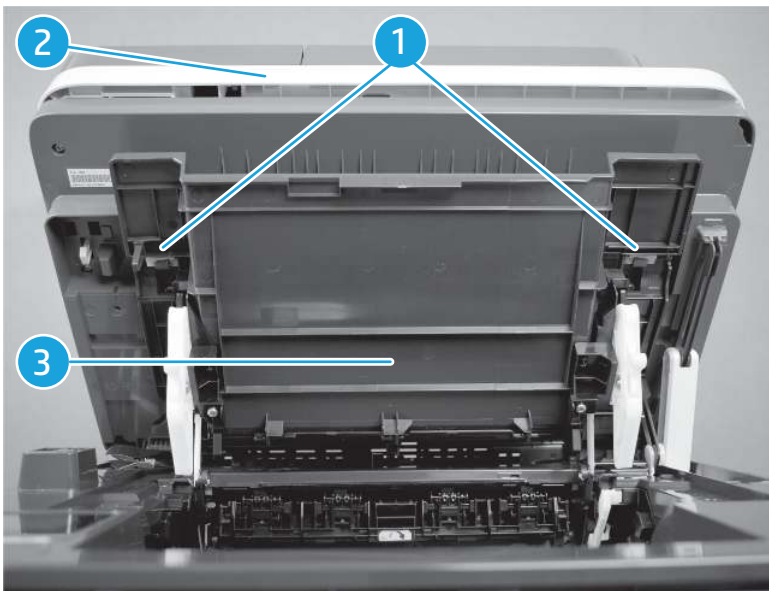
4. Remove two FFCs (callout 2) from the top cover assembly (callout 1).

Figure 1-42 Remove two FFCs (MFP)



5. Remove two link parts (callout 1).
6. Remove the cartridge door assembly (callout 3) from the image scanner (callout 2).

Figure 1-43 Remove two link parts (MFP)



7. Rotate the slider pin (callout 1) in the direction that the arrow indicates.

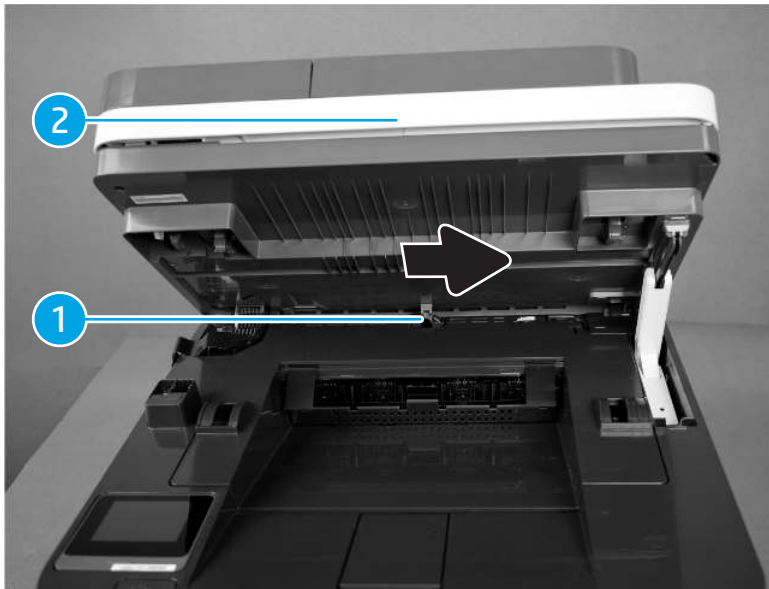
8. Slide the slider pin (callout 1) in the direction that arrow indicates and remove it.

Figure 1-44 Rotate the slider pin (MFP)



9. Lower down the stopper (callout 1).
10. Slide the image scanner (callout 2) in the direction that arrow indicates and remove it.

Figure 1-45 Slide the image scanner (MFP)



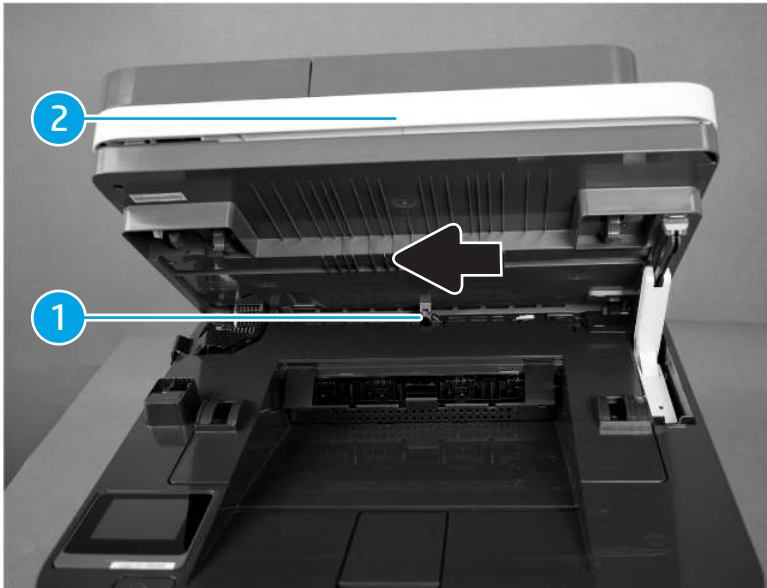
Install the image scanner assembly (MFP)

 **TIP:** [Unpack the replacement assembly on page 13.](#)

1. Slide the image scanner (callout 2) in the direction that arrow indicates, and install it.

2. Lower down the stopper (callout 1).

Figure 1-46 Slide the image scanner



3. Position the slider pin (callout 1) in the direction the arrow indicates and install it.
4. Rotate the slider pin (callout 1) in the direction the arrow indicates.

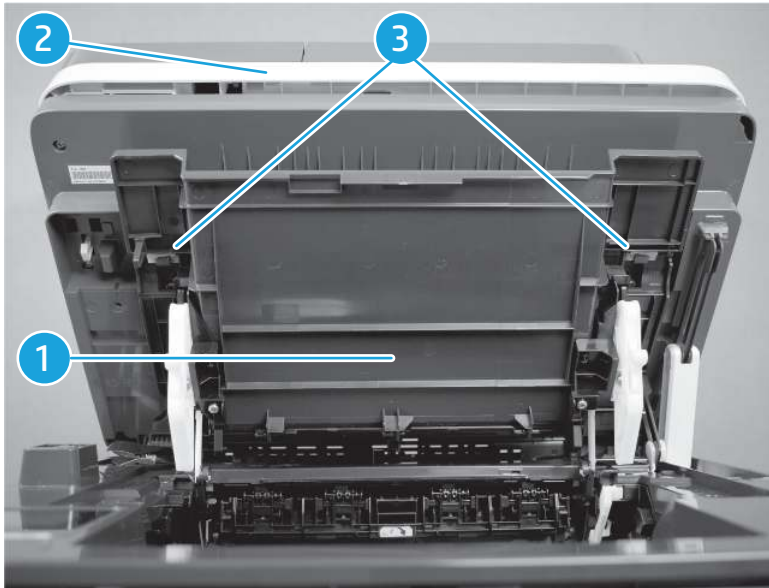
Figure 1-47 Rotate the slider pin (MFP)



5. Install the cartridge door assembly (callout 1) to the image scanner (callout 2).

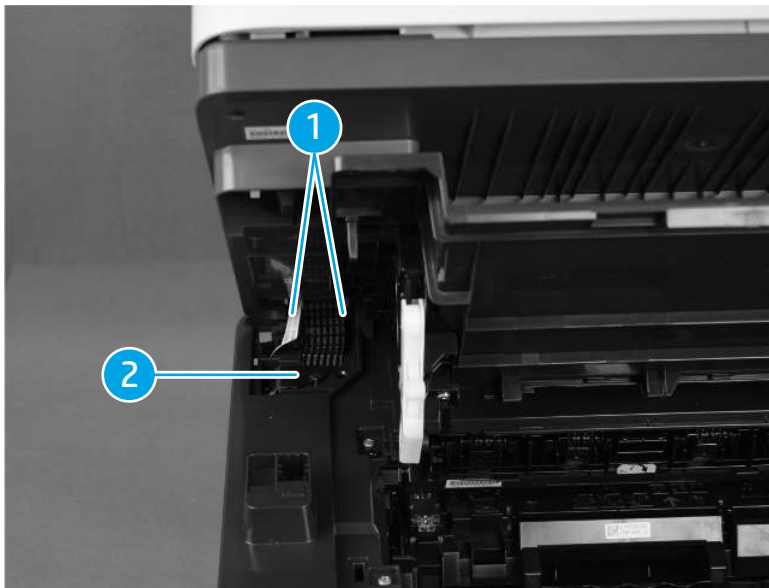
6. Install two link parts (callout 3).

Figure 1-48 Install two link parts (MFP)



7. Install two FFCs (callout 1) to the top cover assembly (callout 2).

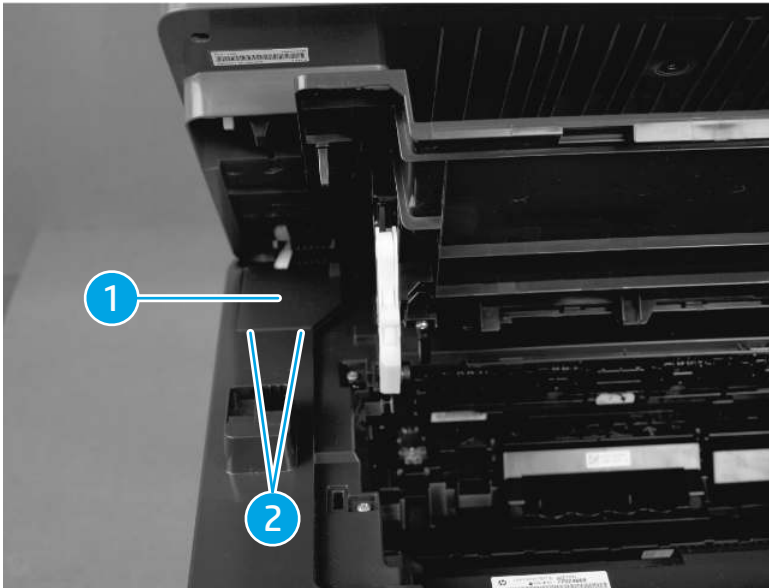
Figure 1-49 Install two FFCs (MFP)



8. Install the FFC cover (callout 1) and engage two tabs (callout 2).

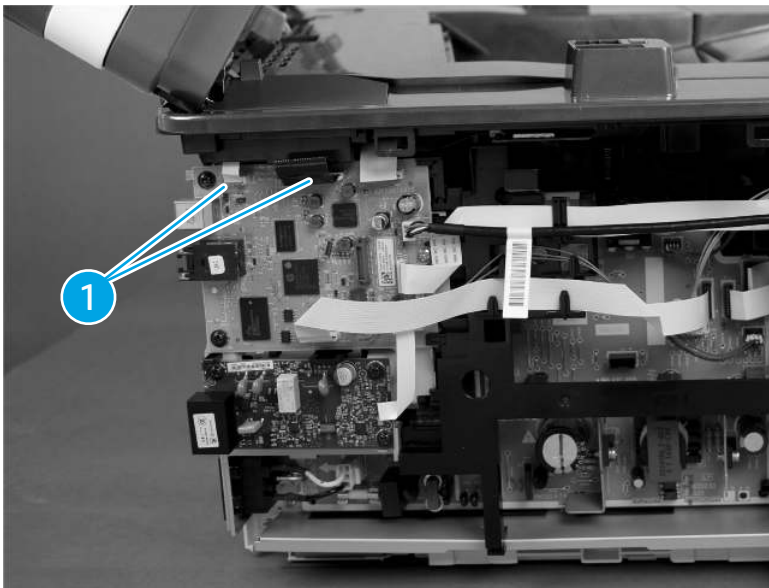
9. Close the cartridge door assembly.

Figure 1-50 Engage two tabs (MFP)



10. Install two FFCs (MFP)

Figure 1-51 Engage two tabs



After installing the image scanner (MFP):

- [Install the right cover assembly \(MFP\) on page 41](#)
- [Install the left cover assembly \(MFP\) on page 39](#)
- [Install the front cover assembly \(MFP\) on page 36](#)

Removal and replacement: Cartridge door assembly (MFP)

This document provides the procedures to remove and replace the cartridge door assembly.

Before performing service

Turn the printer power off

- Disconnect the power cable

⚠ WARNING! To avoid damage to the printer, turn the printer off, wait for 30 seconds, and then remove the power cable before attempting to service the printer.

Use the table below to identify the correct part number for your printer. To order the part, go to www.hp.com/buy/parts.

Table 1-13 Part information

Part number	Part description
RM2-3219-000CN	Cartridge door assembly

Required tools

- #2 Phillips screwdriver with a magnetic tip
- Small flat-blade screwdriver

After performing service

Turn the printer power on

- Connect the power cable
- Use the power switch to turn the power on

Post service test

Verify that the document feeder and the flatbed scanner are correctly functioning (copy a page).

Before proceeding, remove the following parts

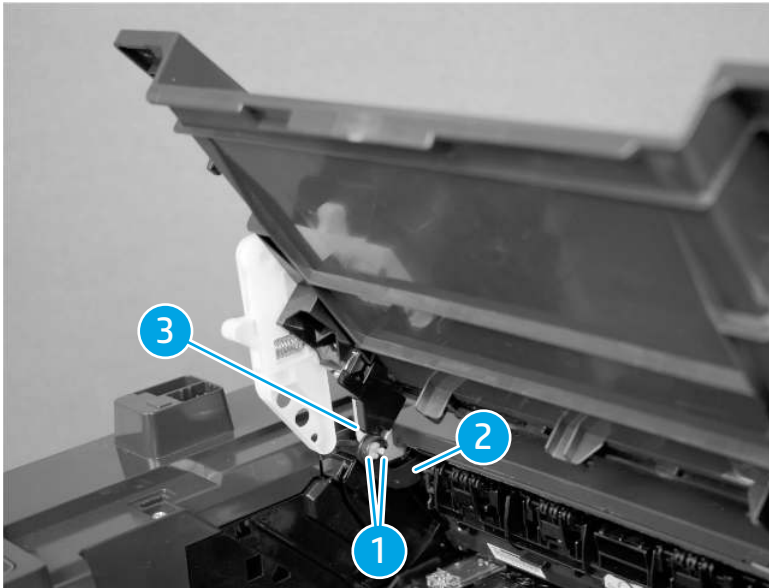
- [Remove the front cover assembly \(MFP\) on page 36](#)
- [Remove the left cover assembly \(MFP\) on page 38](#)
- [Remove the right cover assembly \(MFP\) on page 41](#)
- [Remove the image scanner \(MFP\) on page 43](#)

Remove the cartridge door assembly (MFP)

1. Open the cartridge door assembly.

2. Release two tabs (callout 1) and remove the link arm (callout 3) from the release lever (callout 2).

Figure 1-52 Remove the link arm



3. Release two tabs (callout 1) and remove the link arm (callout 3) from the release lever (callout 2).

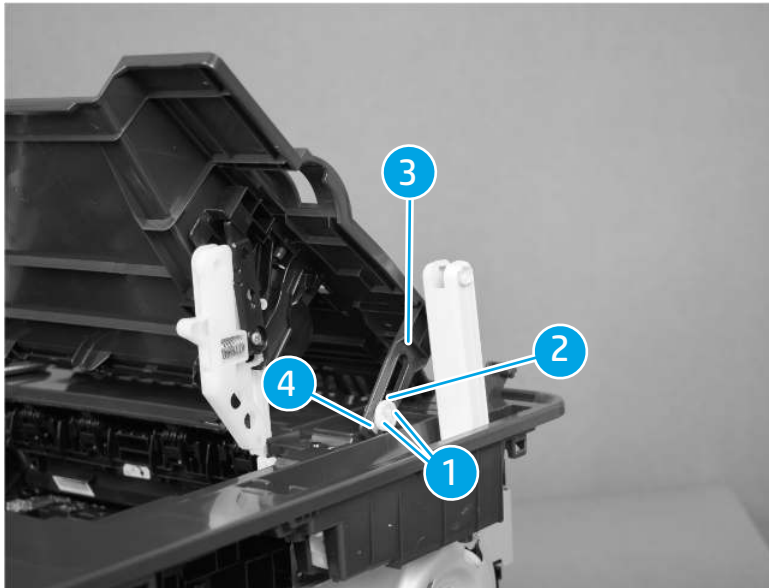
Figure 1-53 Release two tabs



4. Release two tabs (callout 1) and remove the door link cap (callout 2).

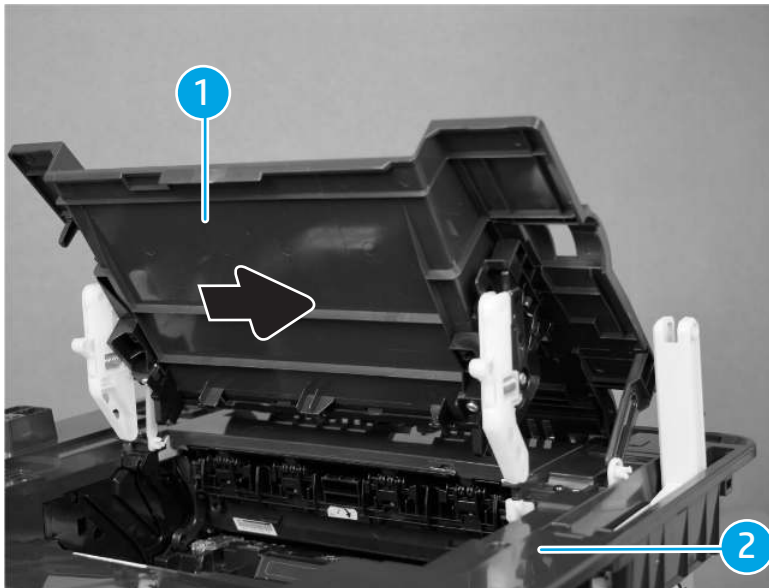
5. Remove the door link (callout 4) from the door link (callout 3).

Figure 1-54 Remove the door link



6. Open the cartridge door assembly to the limit, the rear part of the cartridge door assembly (callout 1) is bent.
7. Slide the cartridge door assembly (callout 1) in the direction that arrow indicates and remove it from the top cover assembly (callout 2).

Figure 1-55 Remove the cartridge door assembly



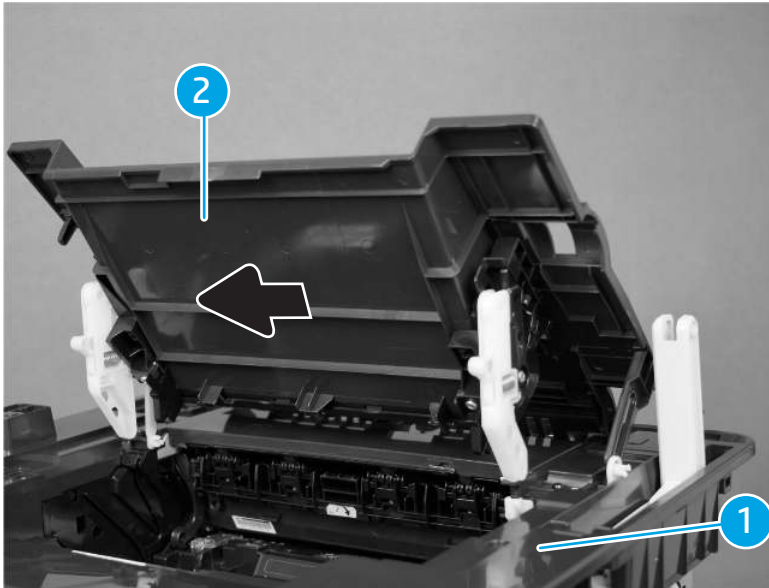
Install the cartridge door assembly (MFP)

 **TIP:** [Unpack the replacement assembly on page 13.](#)

1. Slide the cartridge door assembly (callout 1) in the direction that arrow indicates and install it to the top cover assembly.

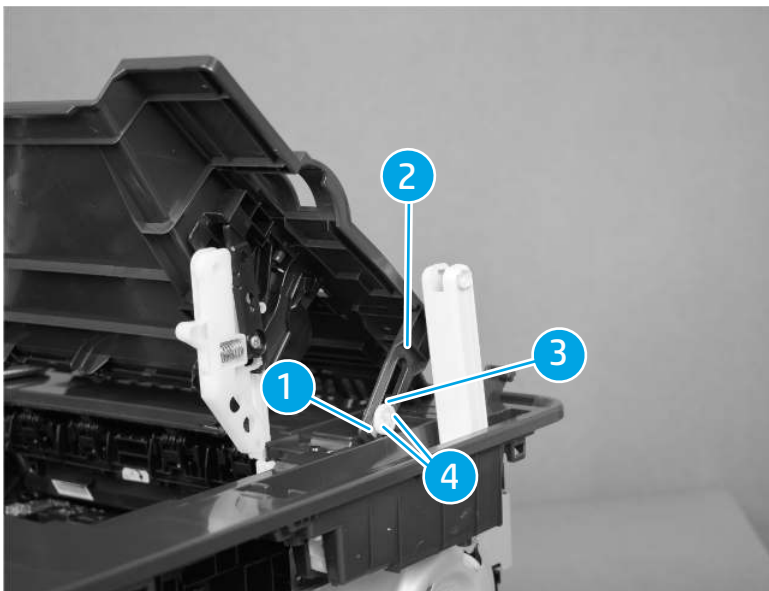
2. Position the rear part of the cartridge door assembly (callout 1).

Figure 1-56 Position the cartridge door



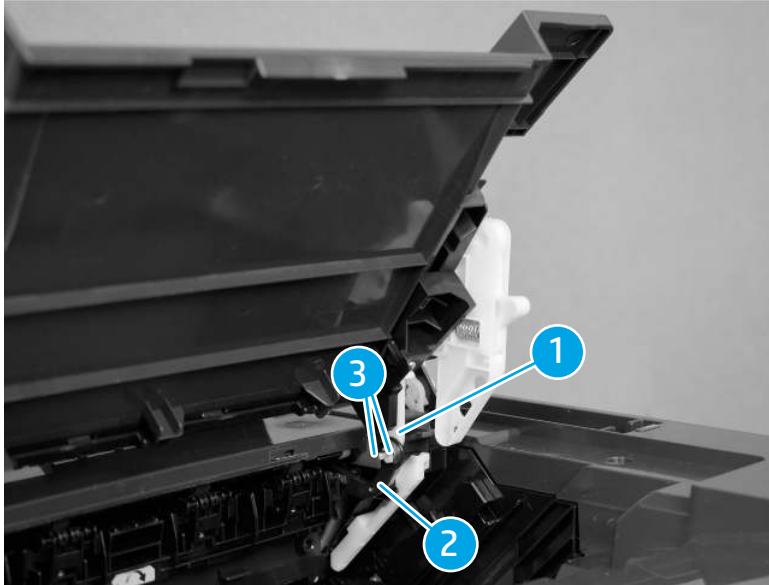
3. Connect the door link (callout 2) to the door link (callout 1).
4. Connect the door link cap (callout 3) and engage two tabs (callout 4).

Figure 1-57 Connect the door link cap



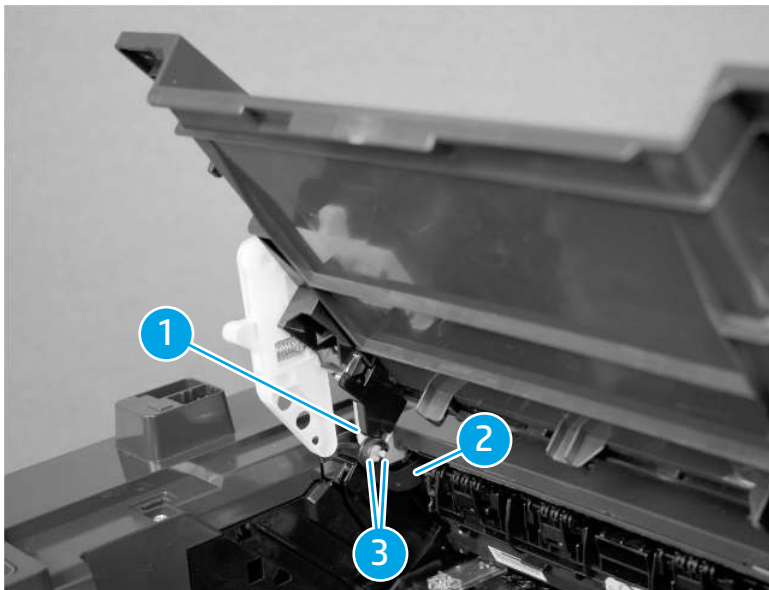
5. Install the link arm (callout 1) to the release lever (callout 2) and engage two tabs (callout 3).

Figure 1-58 Engage two tabs



6. Install the link arm (callout 1) to the release lever (callout 2) and engage two tabs (callout 3).

Figure 1-59 Connect the link arm



7. Close the cartridge door assembly.

After installing the cartridge door assembly (MFP):

- [Install the image scanner assembly \(MFP\) on page 45](#)
- [Install the right cover assembly \(MFP\) on page 41](#)
- [Install the left cover assembly \(MFP\) on page 39](#)

- [Install the front cover assembly \(MFP\) on page 36](#)

Removal and replacement: Top cover assembly (MFP)

This document provides the procedures to remove and replace the top cover assembly.

Before performing service

Turn the printer power off

- Disconnect the power cable

⚠ WARNING! To avoid damage to the printer, turn the printer off, wait for 30 seconds, and then remove the power cable before attempting to service the printer.

Use the table below to identify the correct part number for your printer. To order the part, go to www.hp.com/buy/parts.

Table 1-14 Part information

Part number	Part description
RM2-3223-000CN	Top cover assembly

Required tools

- #2 Phillips screwdriver with a magnetic tip
- Small flat-blade screwdriver

After performing service

Turn the printer power on

- Connect the power cable
- Use the power switch to turn the power on

Post service test

Verify that the document feeder and the flatbed scanner are correctly functioning (copy a page).

Before proceeding, remove the following parts

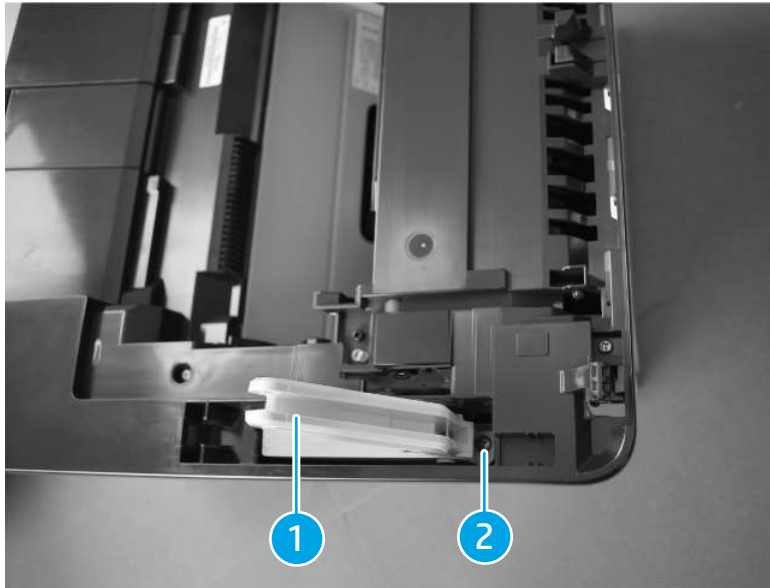
- [Remove the front cover assembly \(MFP\) on page 36](#)
- [Remove the left cover assembly \(MFP\) on page 38](#)
- [Remove the right cover assembly \(MFP\) on page 41](#)
- [Remove the image scanner \(MFP\) on page 43](#)
- [Remove the cartridge door assembly \(MFP\) on page 49](#)

Remove the top cover assembly (MFP)

1. Pull down the lift assembly (callout 1) and remove one screw (callout 2).

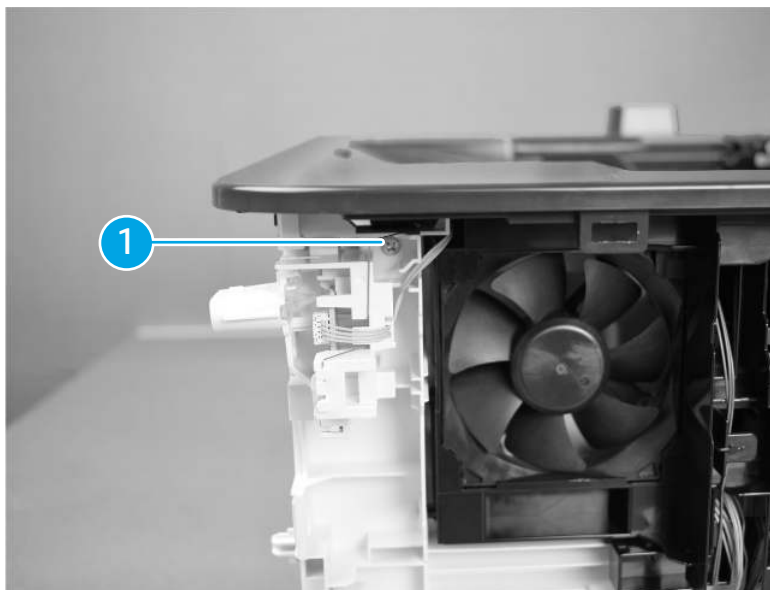
2. Remove the lift assembly (callout 1).

Figure 1-60 Position the lift assembly



3. Remove one screw (callout 1).

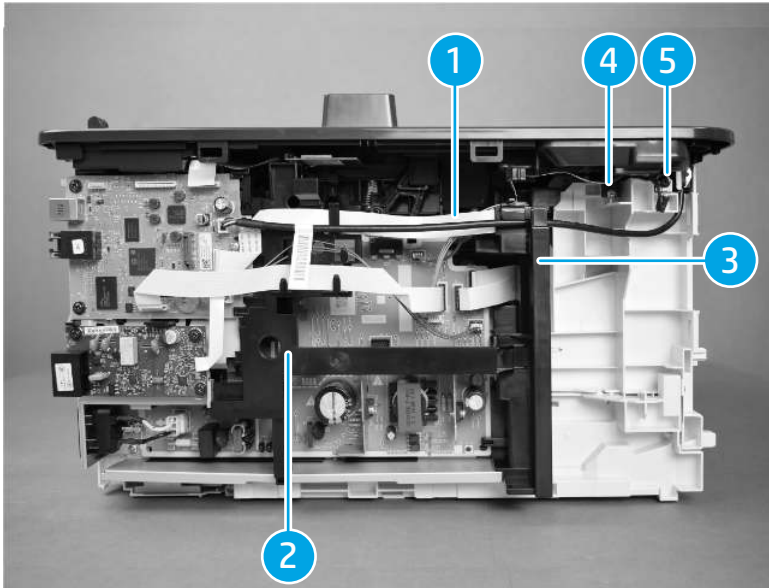
Figure 1-61 Remove one screw



4. Remove the FFC (callout 1) and remove the FFC (callout 1) from the cable guide (callout 2).
5. Remove the FFC (callout 1) from the ECU cover (callout 3).

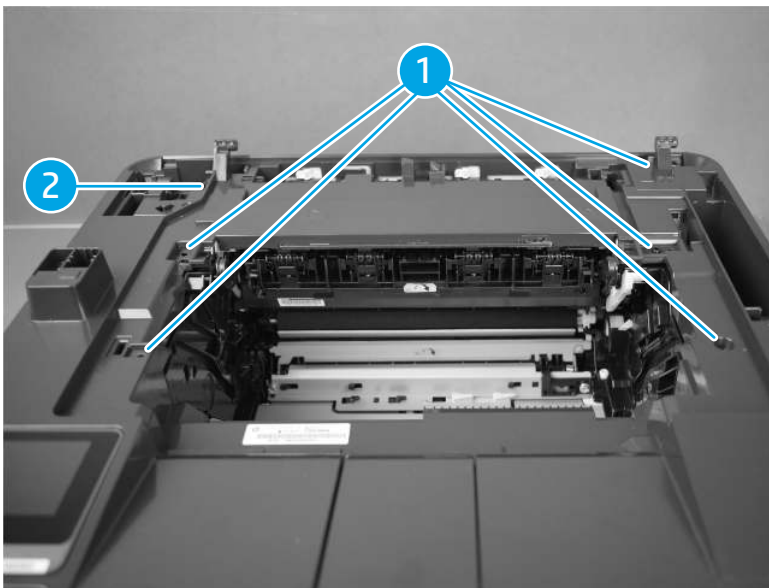
6. Remove one screw (callout 4) and remove one black screw (callout 5).

Figure 1-62 Remove the screws



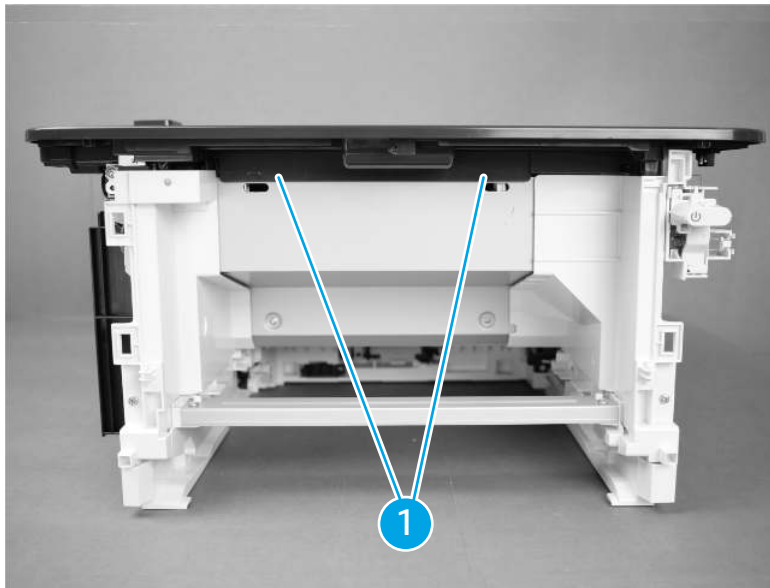
7. Remove five screws (callout 1) and remove one tapping screw (callout 2).

Figure 1-63 Remove the screws



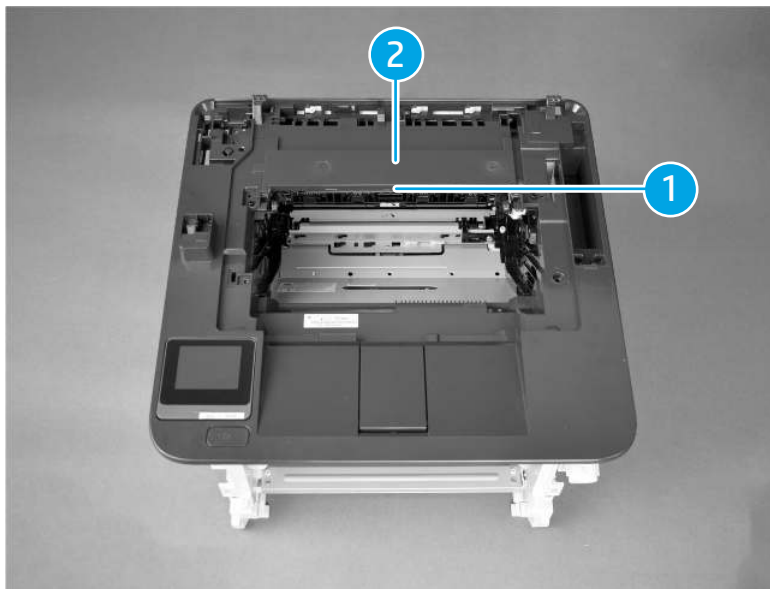
8. Release two tabs (callout 1).

Figure 1-64 Release two tabs



9. Release one tab (callout 1).
10. Open the duplex door and remove the top cover assembly (callout 2).

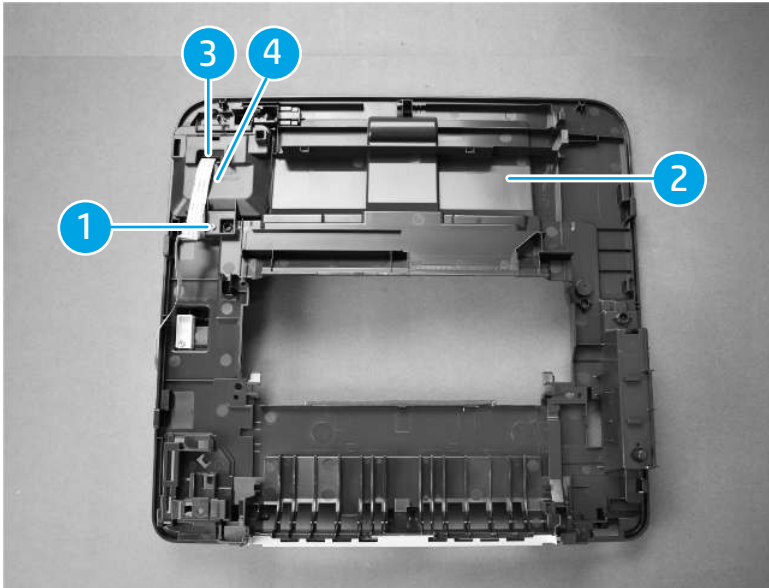
Figure 1-65 Remove the top cover assembly



11. Remove one screw (callout 1).

12. Remove the control panel (callout 3) and the control panel holder (callout 4) together from the top cover assembly (callout 2).

Figure 1-66 Remove the control panel

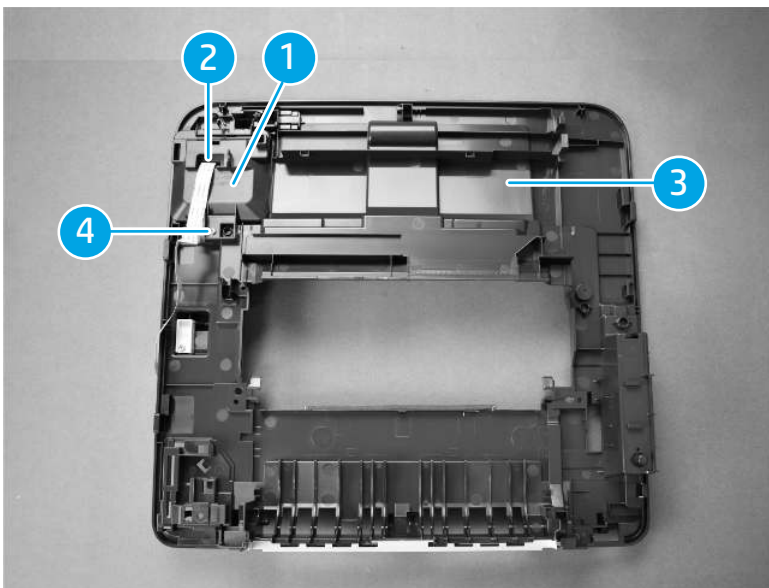


Install the top cover assembly (MFP)

 **TIP:** [Unpack the replacement assembly on page 13.](#)

1. Position the control panel holder (callout 1) and the control panel (callout 2) together to install it on the top cover assembly (callout 3).
2. Install one screw (callout 4).

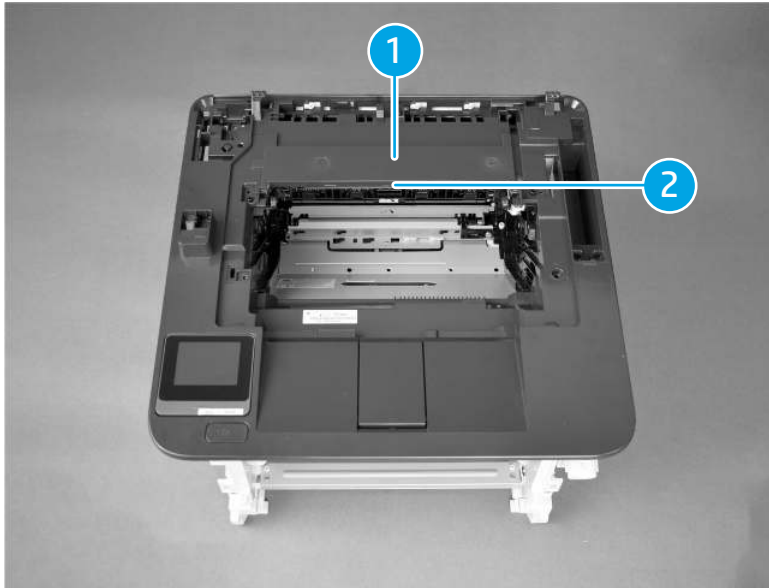
Figure 1-67 Position the control panel holder



3. Position the top cover assembly (callout 1) and close the duplex door.

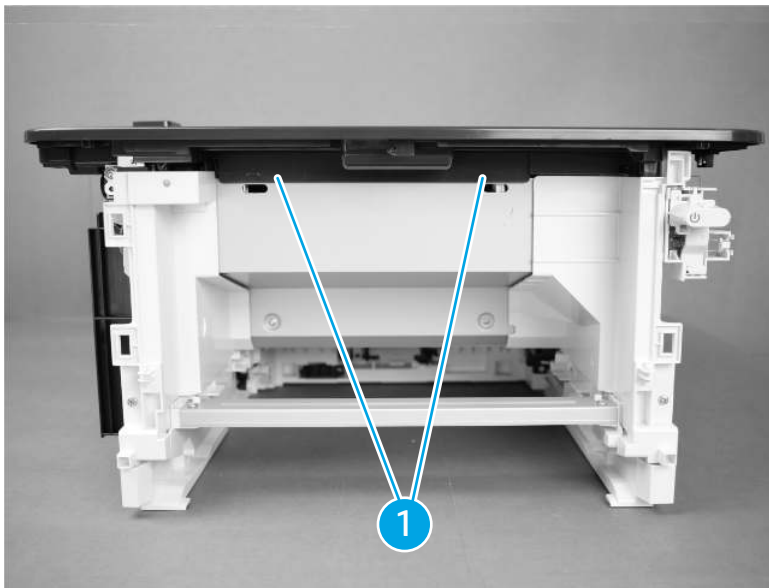
- Engage one tab (callout 2).

Figure 1-68 Engage one tab



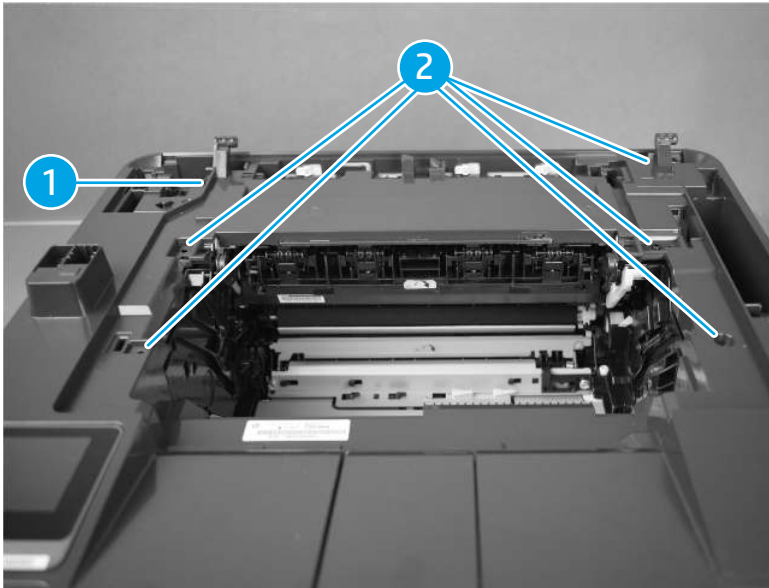
- Engage two tabs (callout 1).

Figure 1-69 Engage two tabs



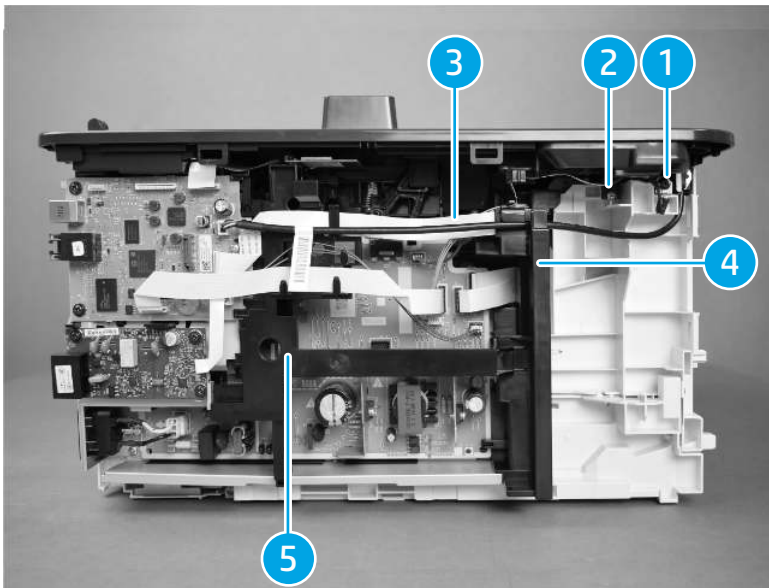
6. Install one tapping screw (callout 1) and install five screws (callout 2).

Figure 1-70 Install five screws



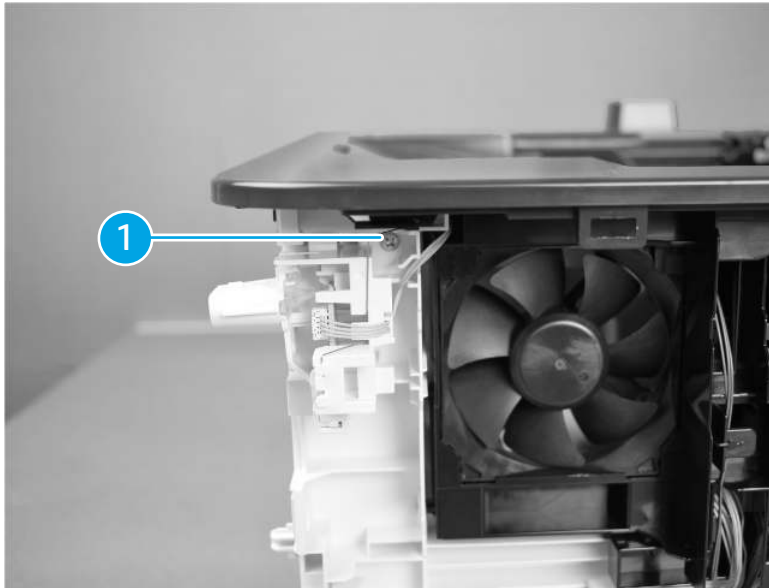
7. Install one black screw (callout 1) and remove move one screw (callout 2).
8. Install the FFC (callout 3) to the ECU cover (callout 4).
9. Install the FFC (callout 3) to the cable guide (callout 5).

Figure 1-71 Install the FFC



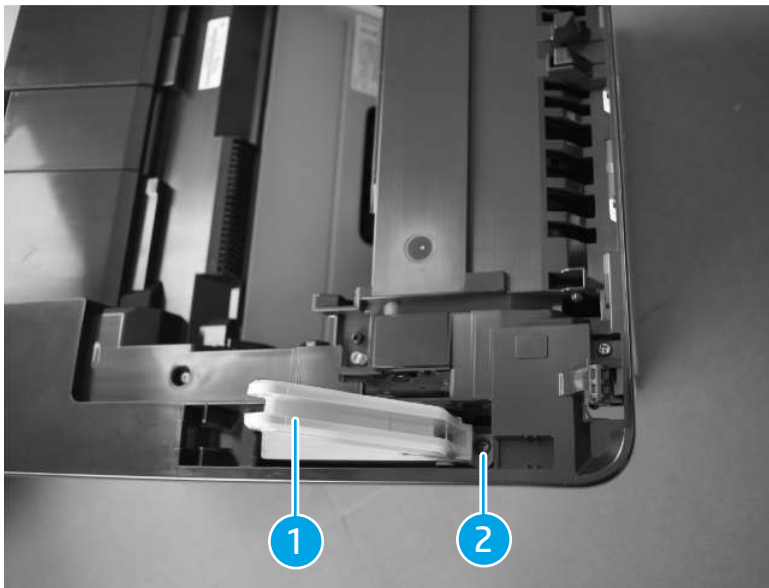
10. Install one screw (callout 1).

Figure 1-72 Install one screw



11. Push the lift assembly (callout 1) and install one screw (callout 2).

Figure 1-73 Push the lift assembly



After installing the top cover assembly (MFP):

- [Install the cartridge door assembly \(MFP\) on page 51](#)
- [Install the image scanner assembly \(MFP\) on page 45](#)
- [Install the right cover assembly \(MFP\) on page 41](#)
- [Install the left cover assembly \(MFP\) on page 39](#)

- [Install the front cover assembly \(MFP\) on page 36](#)

Removal and replacement: Duplex door (MFP)

This document provides the procedures to remove and replace the duplex door.

Before performing service

Turn the printer power off

- Disconnect the power cable

⚠ WARNING! To avoid damage to the printer, turn the printer off, wait for 30 seconds, and then remove the power cable before attempting to service the printer.

Use the table below to identify the correct part number for your printer. To order the part, go to www.hp.com/buy/parts.

Table 1-15 Part information

Part number	Part description
RC5-7592-000CN	Door, duplexing

Required tools

- #2 Phillips screwdriver with a magnetic tip
- Small flat-blade screwdriver

After performing service

Turn the printer power on

- Connect the power cable
- Use the power switch to turn the power on

Post service test

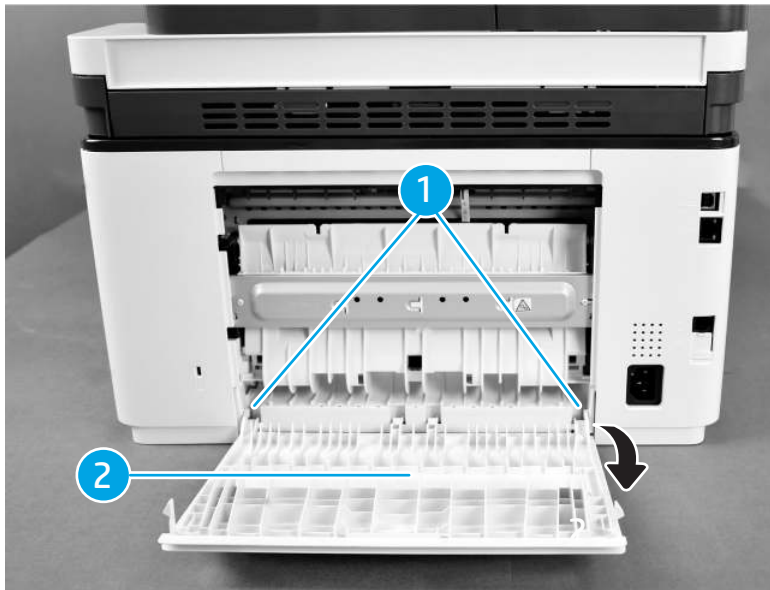
Verify that the document feeder and the flatbed scanner are correctly functioning (copy a page).

Remove the duplex door (MFP)

1. Open the duplex door.
2. Use a small flat-blade screwdriver to release two tabs (callout 1).

3. Rotate the duplex door (callout 2) in the direction that arrow indicates and remove it.

Figure 1-74 Remove the duplex door

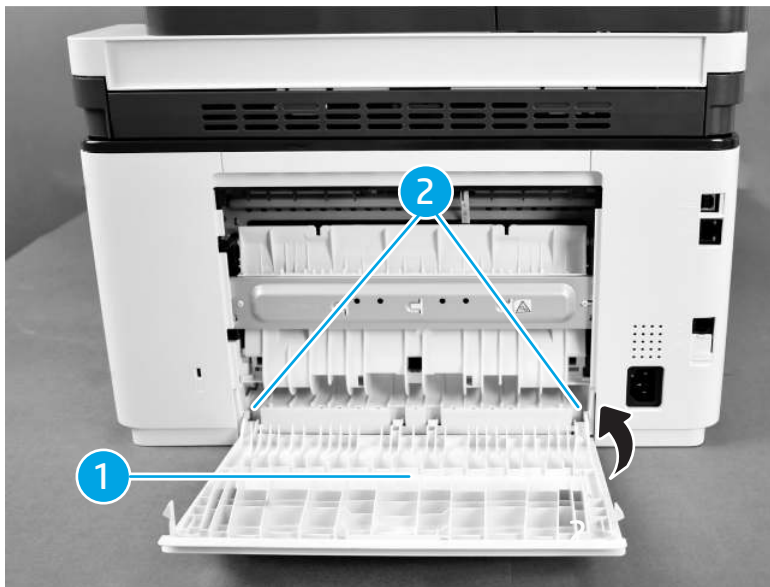


Install the duplex door (MFP)

 **TIP:** [Unpack the replacement assembly on page 13.](#)

1. Position the duplex door (callout 1) and at the tabs.
2. Use a small flat-blade screwdriver and engage two tabs (callout 2).

Figure 1-75 Install the duplex door



3. Close the duplex door.

Removal and replacement: Document feeder and assemblies

Learn how to remove and replace the document feeder and assemblies.

- [Removal and replacement: Image scanner assembly on page 65](#)
- [Removal and replacement: pick-up arm assembly on page 66](#)
- [Removal and replacement: ADF core assembly on page 68](#)
- [Removal and replacement: Top cover assembly on page 70](#)
- [Removal and replacement: pick-up tray assembly on page 72](#)
- [Removal and replacement: ADF base assembly on page 73](#)

Removal and replacement: Image scanner assembly

This document provides the procedures to remove and replace the image scanner assembly.

Before performing service

Turn the printer power off

- Disconnect the power cable

⚠ WARNING! To avoid damage to the printer, turn the printer off, wait for 30 seconds, and then remove the power cable before attempting to service the printer.

Use the table below to identify the correct part number for your printer. To order the part, go to www.hp.com/buy/parts.

Table 1-16 Part information

Part number	Part description
RM2-3416-000CN	Image scanner assembly without ADF assembly

Required tools

- No special tools are needed to remove or install this assembly.

After performing service

Turn the printer power on

- Connect the power cable
- Use the power switch to turn the power on

Post service test

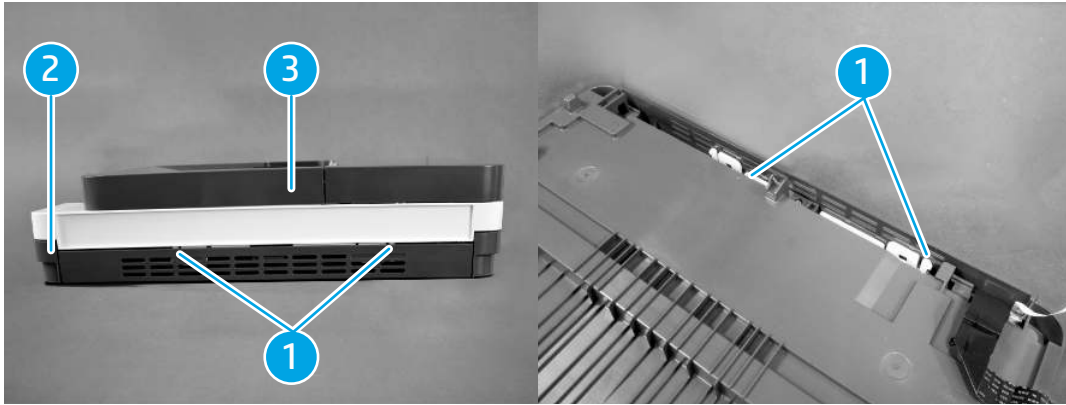
Process a copy job using the document feeder input tray as the source tray and make sure that the page correctly feeds.

Remove the Image scanner assembly

1. Release two tabs (callout 1).

2. Remove the ADF assembly (callout 3) from the image scanner assembly (callout 2).

Figure 1-76 Remove the image scanner

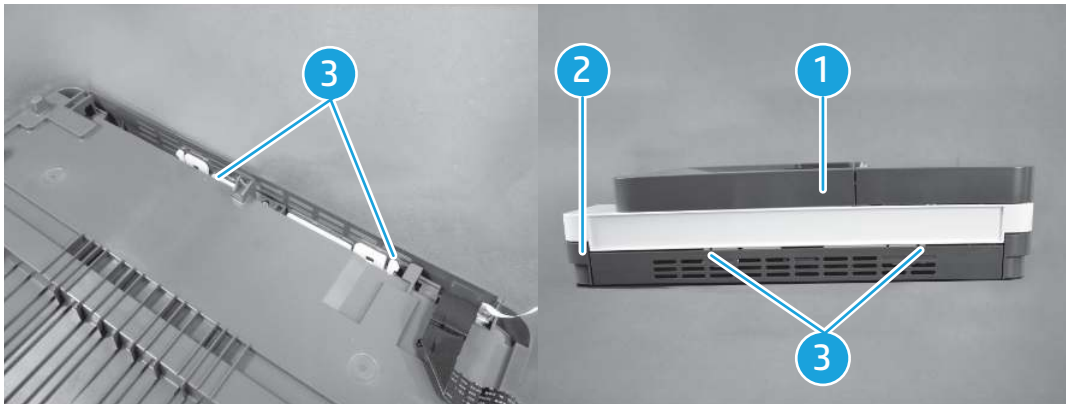


Install the Image scanner assembly

 **TIP:** [Unpack the replacement assembly on page 13.](#)

1. Install the ADF assembly (callout 1) to the image scanner (callout 2).
2. Install two tabs (callout 3).

Figure 1-77 Install the image scanner




Removal and replacement: pick-up arm assembly

This document provides the procedures to remove and replace the pick-up arm assembly.

Before performing service

Turn the printer power off

- Disconnect the power cable

 **WARNING!** To avoid damage to the printer, turn the printer off, wait for 30 seconds, and then remove the power cable before attempting to service the printer.

Use the table below to identify the correct part number for your printer. To order the part, go to www.hp.com/buy/parts.

Table 1-17 Part information

Part number	Part description
RM2-3409-000CN	Pre-pick arm assembly

Required tools

- No special tools are needed to remove or install this assembly.

After performing service

Turn the printer power on

- Connect the power cable
- Use the power switch to turn the power on

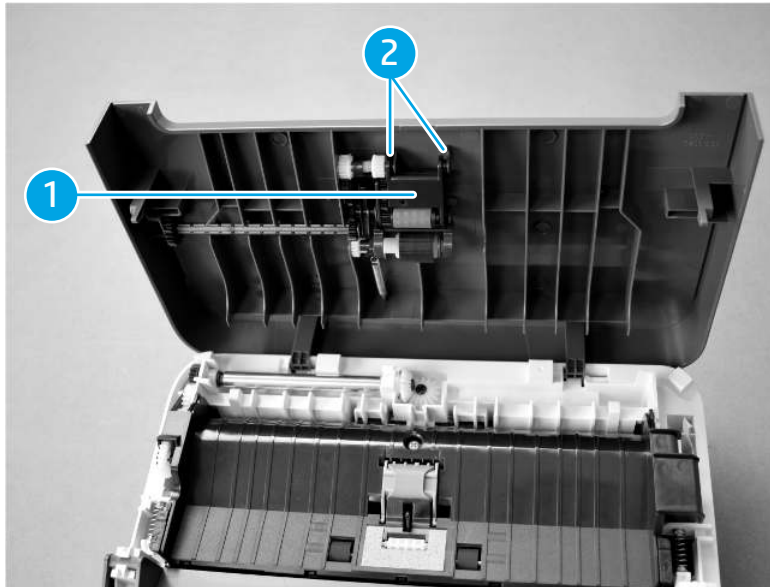
Post service test

Process a copy job using the document feeder input tray as the source tray and make sure that the page correctly feeds.

Remove the pick-up arm assembly

1. Open the top cover assembly.
2. Release two shafts (callout 1) and remove the pick-up arm assembly (callout 2).

Figure 1-78 Remove the pick-up arm assembly

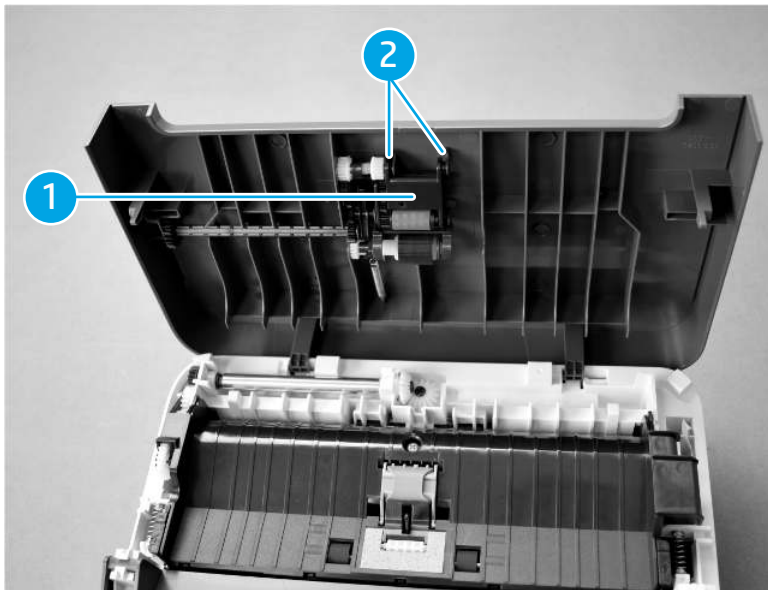


Install the pick-up arm assembly

 **TIP:** [Unpack the replacement assembly on page 13.](#)

1. Install the pick-up arm assembly (callout 1) and install two shafts (callout 2).

Figure 1-79 Install the pick-up arm assembly



2. Close the top cover assembly.

Removal and replacement: ADF core assembly

This document provides the procedures to remove and replace the ADF core assembly.

Before performing service

Turn the printer power off

- Disconnect the power cable

⚠ WARNING! To avoid damage to the printer, turn the printer off, wait for 30 seconds, and then remove the power cable before attempting to service the printer.

Use the table below to identify the correct part number for your printer. To order the part, go to www.hp.com/buy/parts.

Table 1-18 Part information

Part number	Part description
RM2-3414-000CN	ADF core assembly

Required tools

- No special tools are needed to remove or install this assembly.

After performing service

Turn the printer power on

- Connect the power cable
- Use the power switch to turn the power on

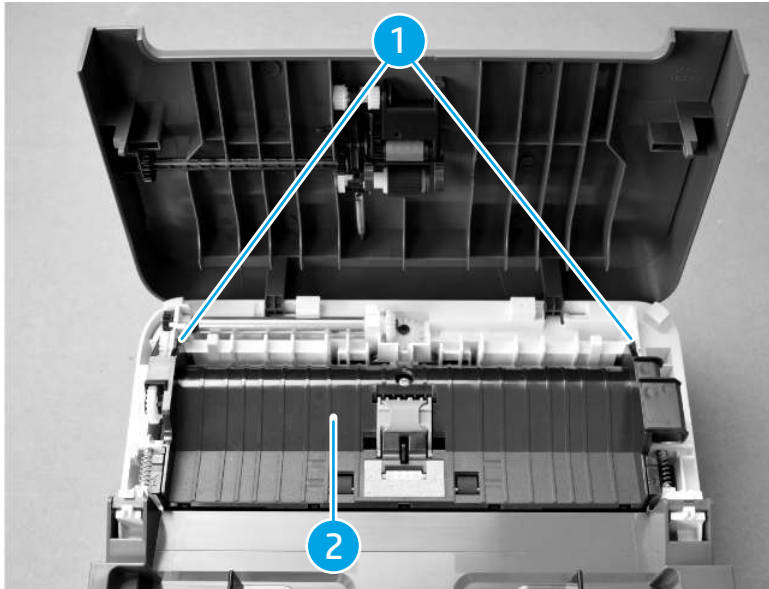
Post service test

Process a copy job using the document feeder input tray as the source tray and make sure that the page correctly feeds.

Remove the ADF core assembly

1. Open the top cover assembly.
2. Release two shafts (callout 1) and remove the ADF core assembly (callout 2).

Figure 1-80 Remove the ADF core assembly

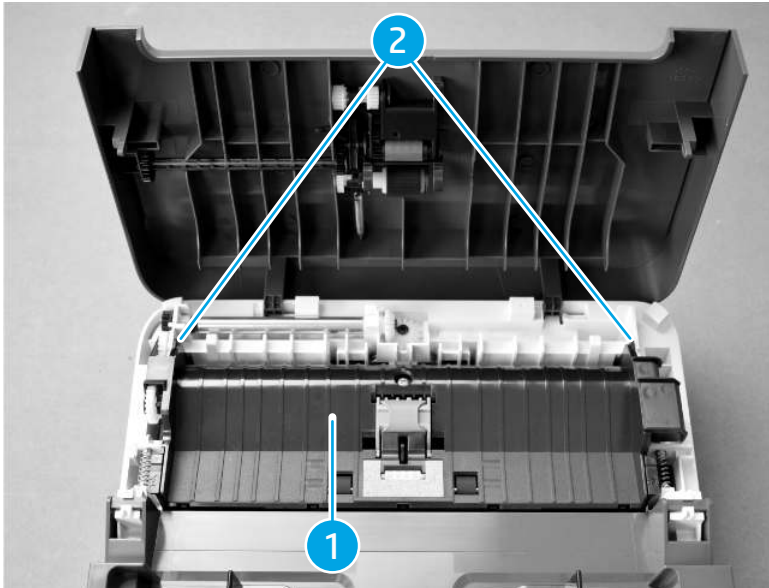


Install the ADF core assembly

 **TIP:** [Unpack the replacement assembly on page 13.](#)

1. Install the pick-up arm assembly (callout 1) and install two shafts (callout 2).

Figure 1-81 Install the ADF core assembly



2. Close the top cover assembly.

Removal and replacement: Top cover assembly

This document provides the procedures to remove and replace the top cover.

Before performing service

Turn the printer power off

- Disconnect the power cable

⚠ WARNING! To avoid damage to the printer, turn the printer off, wait for 30 seconds, and then remove the power cable before attempting to service the printer.

Use the table below to identify the correct part number for your printer. To order the part, go to www.hp.com/buy/parts.

Table 1-19 Part information

Part number	Part description
RM2-3407-000CN	Top cover assembly

Required tools

- #2 Phillips screwdriver with a magnetic tip
- Small flat-blade screwdriver

After performing service

Turn the printer power on

- Connect the power cable

- Use the power switch to turn the power on

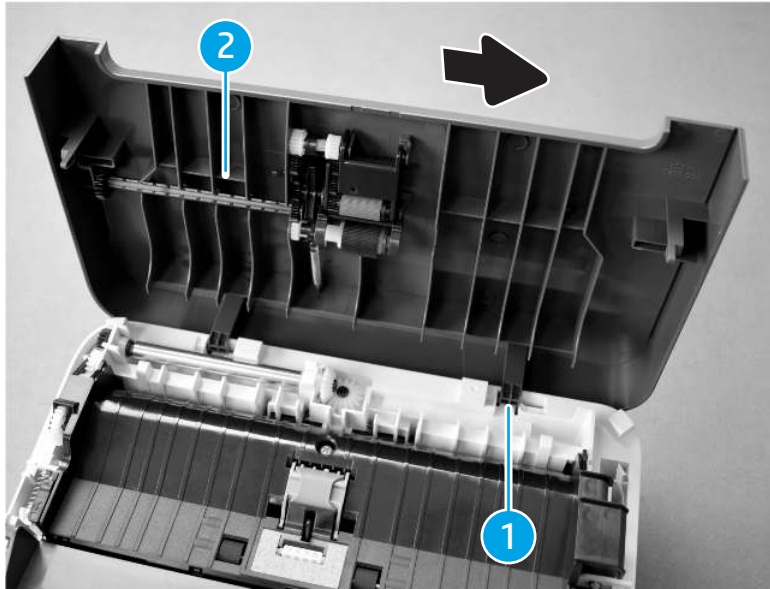
Post service test

Process a copy job using the document feeder input tray as the source tray and make sure that the page correctly feeds.

Remove the Top cover assembly

1. Slide the top cover assembly (call 2) backward while pressing the stopper (callout 1).
2. Remove the top cover assembly (callout 2).

Figure 1-82 Remove the top cover assembly (MFP)



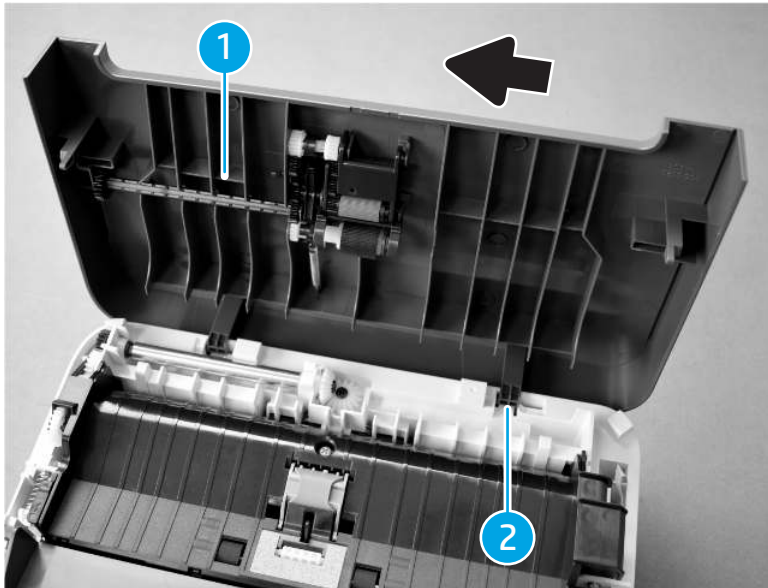
Install the top cover assembly

 **TIP:** [Unpack the replacement assembly on page 13.](#)

1. Position and slide the top cover assembly (callout 1) by pressing the stopper (callout 2).

2. Close the top cover assembly.

Figure 1-83 Install the top cover assembly (MFP)



Removal and replacement: pick-up tray assembly

This document provides the procedures to remove and replace the pick-up tray assembly.

Before performing service

Turn the printer power off

- Disconnect the power cable

⚠ WARNING! To avoid damage to the printer, turn the printer off, wait for 30 seconds, and then remove the power cable before attempting to service the printer.

Use the table below to identify the correct part number for your printer. To order the part, go to www.hp.com/buy/parts.

Table 1-20 Part information

Part number	Part description
RM2-3410-000CN	Paper pick-up tray assembly

Required tools

- #2 Phillips screwdriver with a magnetic tip
- Small flat-blade screwdriver

After performing service

Turn the printer power on

- Connect the power cable
- Use the power switch to turn the power on

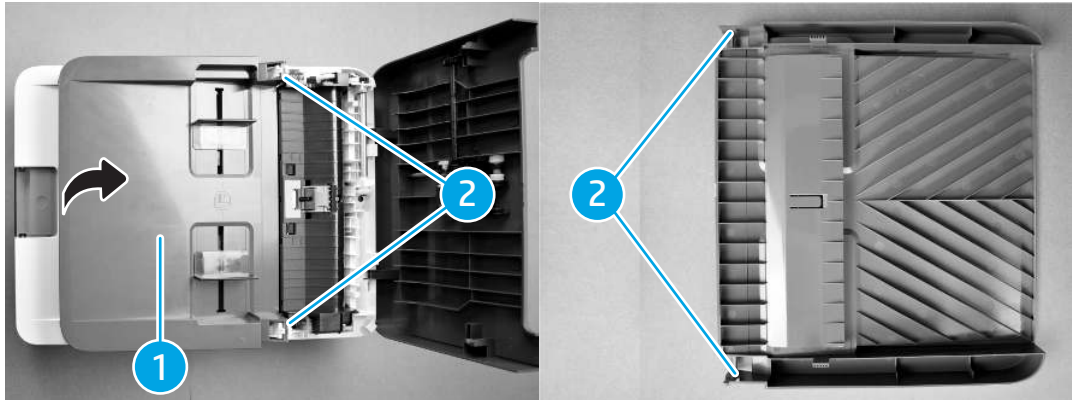
Post service test

Process a copy job using the document feeder input tray as the source tray and make sure that the page correctly feeds.

Remove the pick-up tray assembly

1. Open the top cover assembly and rotate the pick-up tray assembly (callout 1) in the direction that the arrow indicates.
2. Release two tabs (callout 2) and remove the pick-up tray assembly (callout 1).

Figure 1-84 Remove the pick-up tray



Install the pick-up tray

TIP: [Unpack the replacement assembly on page 13.](#)

1. Position the pick-up tray assembly (callout 1) and engage two tabs (callout 2).
2. Rotate the pick-up tray assembly (callout 1) in the direction the arrow indicates and close the top cover assembly.

Figure 1-85 Install the pick-up tray



Removal and replacement: ADF base assembly

This document provides the procedures to remove and replace the ADF base assembly.

Before performing service

Turn the printer power off

- Disconnect the power cable

⚠ WARNING! To avoid damage to the printer, turn the printer off, wait for 30 seconds, and then remove the power cable before attempting to service the printer.

Use the table below to identify the correct part number for your printer. To order the part, go to www.hp.com/buy/parts.

Table 1-21 Part information

Part number	Part description
RM2-3411-000CN	ADF base assembly

Required tools

- #2 Phillips screwdriver with a magnetic tip
- Small flat-blade screwdriver

After performing service

Turn the printer power on

- Connect the power cable
- Use the power switch to turn the power on

Post service test

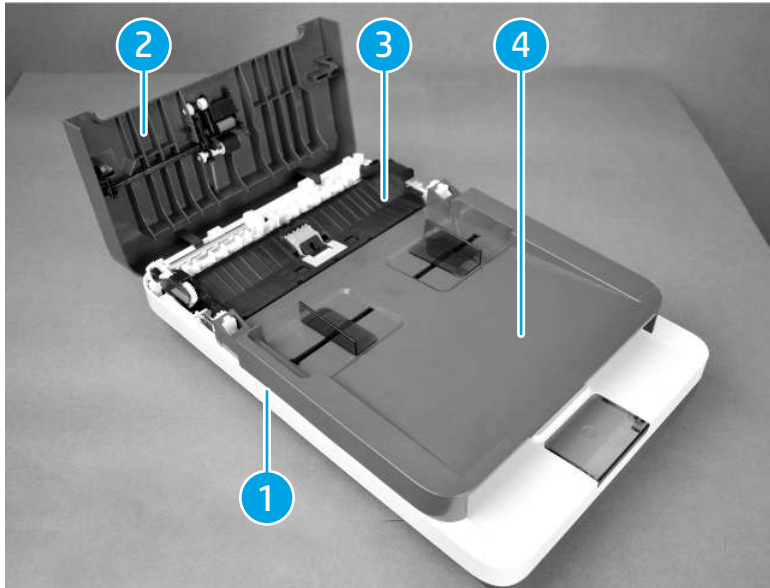
Process a copy job using the document feeder input tray as the source tray and make sure that the page correctly feeds.

Remove the ADF base assembly

1. Remove the image scanner.
2. Remove the top cover assembly (callout 2) from the ADF base assembly (callout 1).
3. Remove the ADF core assembly (callout 3) from the ADF base assembly (callout 1).

4. Remove the pick-up tray assembly (callout 4) from the ADF base assembly (callout 1).

Figure 1-86 Remove the ADF base

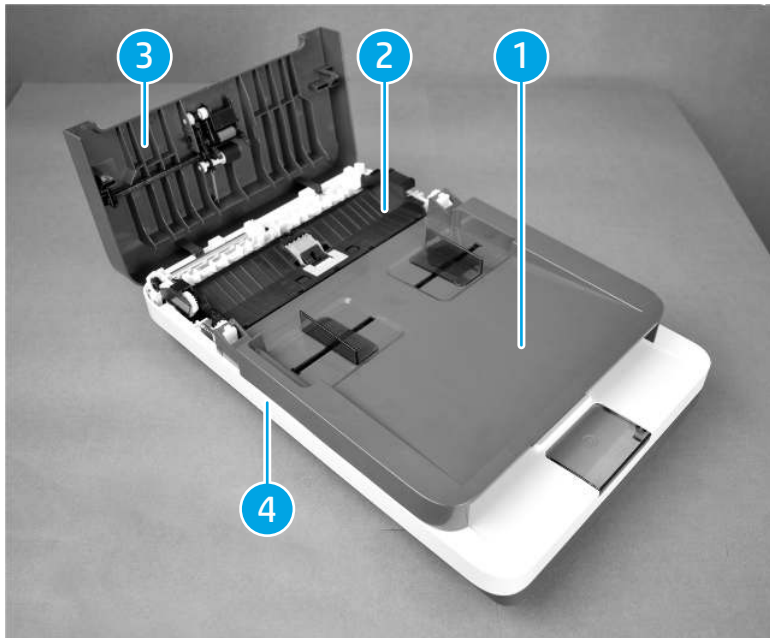


Install the ADF base assembly

 **TIP:** [Unpack the replacement assembly on page 13.](#)

1. Install the pick-up tray assembly (callout 1) to the ADF base assembly (callout 4).
2. Install the ADF core assembly (callout 2) to the ADF base assembly (callout 4).
3. Install the top cover assembly (callout 3) to the top cover assembly (callout 4).
4. Install the image scanner.

Figure 1-87 Install the ADF base



Removal and replacement: Internal parts and assemblies

Learn how to remove and replace the internal parts and assemblies.

- [HP LaserJet Pro 3001-3008 series on page 78](#)
- [HP LaserJet Pro MFP 3101-3108 series on page 153](#)

HP LaserJet Pro 3001–3008 series

Learn how to remove and replace the external parts.

- [Removal and replacement: Fan \(SFP\) on page 79](#)
- [Removal and replacement: Media sensor PCB \(SFP\) on page 85](#)
- [Removal and replacement: Formatter \(SFP\) on page 87](#)
- [Removal and replacement: Wireless PCB \(SFP\) on page 89](#)
- [Removal and replacement: Fixing output sensor PCB \(SFP\) on page 91](#)
- [Removal and replacement: Fuser \(SFP\) on page 97](#)
- [Removal and replacement: BIAS PCB \(SFP\) on page 106](#)
- [Removal and replacement: Registration sensor PCB \(SFP\) on page 112](#)
- [Removal and replacement: Control Panel PCB on page 118](#)
- [Removal and replacement: Engine Controller PCB \(SFP\) on page 121](#)
- [Removal and replacement: Tray 1 pick-up roller and Tray 1 feed roller on page 137](#)
- [Removal and replacement: Tray 1 separation roller on page 140](#)
- [Removal and replacement: Transfer roller on page 143](#)
- [Removal and replacement: Face-down roller on page 146](#)

Removal and replacement: Fan (SFP)

This document provides the procedures to remove and replace the fan.

Before performing service

Turn the printer power off

- Disconnect the power cable

⚠ WARNING! To avoid damage to the printer, turn the printer off, wait for 30 seconds, and then remove the power cable before attempting to service the printer.

Use the table below to identify the correct part number for your printer. To order the part, go to www.hp.com/buy/parts.

Table 1-22 Part information

Part number	Part description
RK2-1378-010CN	Fan

Required tools

- #2 Phillips screwdriver with a magnetic tip
- Small flat-blade screwdriver

After performing service

Turn the printer power on

- Connect the power cable
- Use the power switch to turn the power on

Post service test

Verify that the printer reaches the **Ready** state.

Try to print a page and verify the print.

Before proceeding, remove the following parts

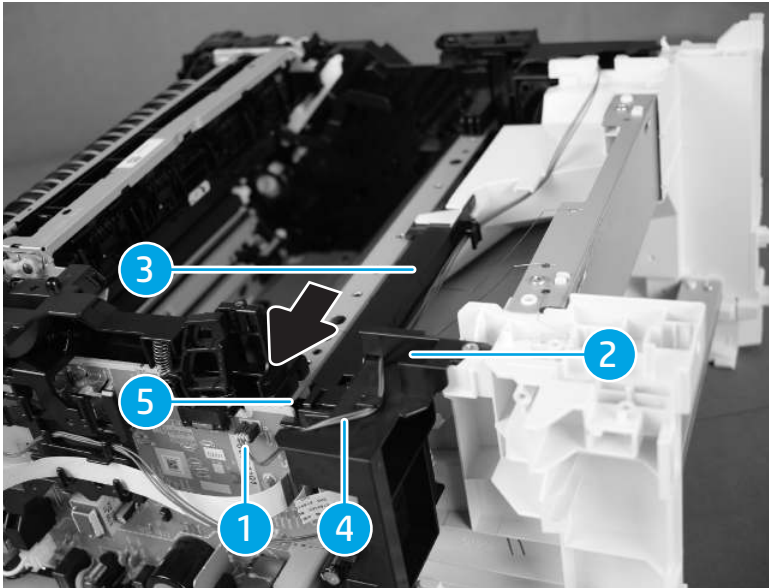
- [Remove the front cover \(SFP\) on page 17](#)
- [Remove the left cover \(SFP\) on page 19](#)
- [Remove the right cover \(SFP\) on page 21](#)
- [Remove the top cover assembly and cartridge door assembly \(SFP\) on page 22](#)
- [Remove the control panel PCB \(SFP\) on page 119](#)

Remove the fan (SFP)

1. Disconnect one connector (callout 1).
2. Release the cable (callout 4) from the ECU cover (callout 2) and the duct (callout 3).

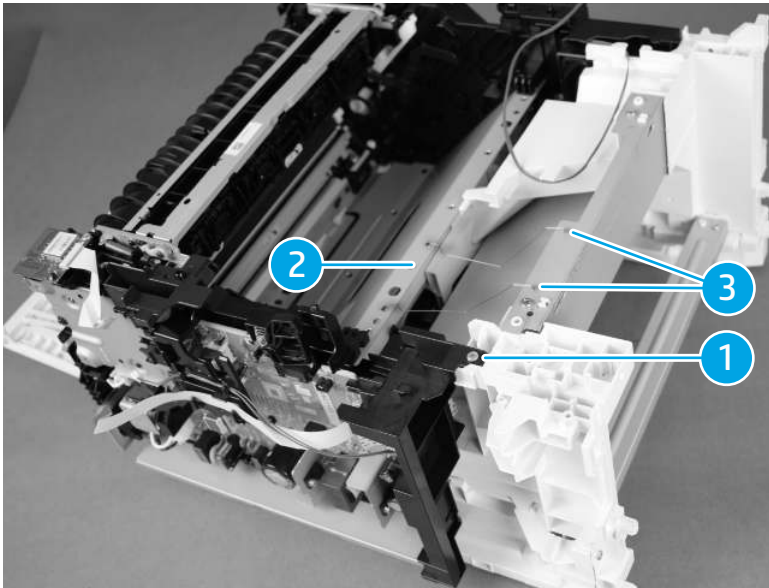
3. Release one tab (callout 5) and slide the duct (callout 3) in the direction that arrow indicates, and then remove it.

Figure 1-88 Remove one tab



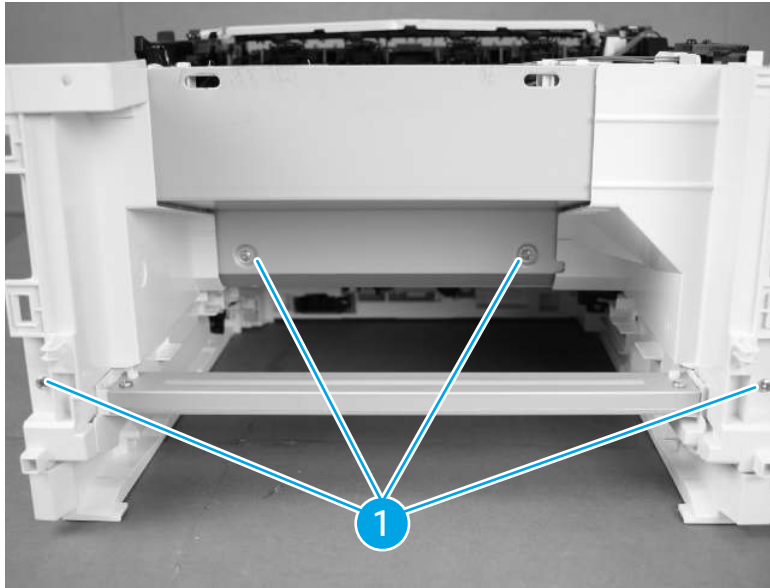
4. Remove one screw (callout 1) and remove two springs (callout 3) from the plate (callout 2).

Figure 1-89 Remove one screw



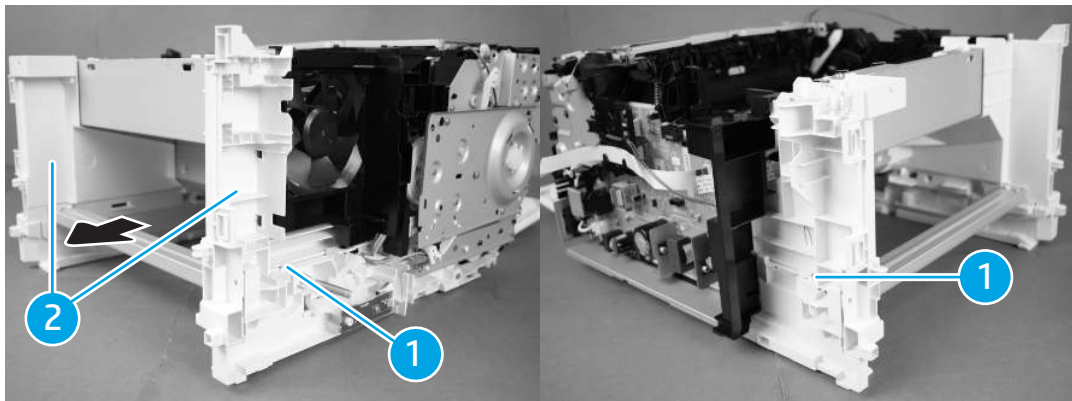
5. Remove four screws (callout 1).

Figure 1-90 Remove four screws



6. Release two tabs (callout 1).
7. Slide the inner cover (callout 2) and the front plate (callout 3) together in the direction that arrow indicates and remove them.

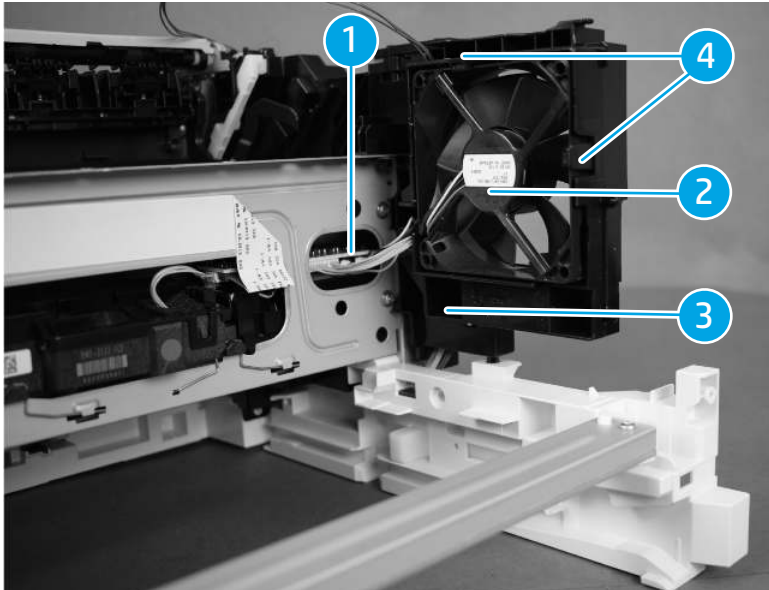
Figure 1-91 Slide the inner cover



8. Disconnect one connector (callout 1) and slide the main fan (callout 2) and fan holder (callout 3) together upward to remove them.

9. Release two tabs (callout 4) and remove the main fan (callout 2) from the fan holder (callout 3).

Figure 1-92 Release two tabs

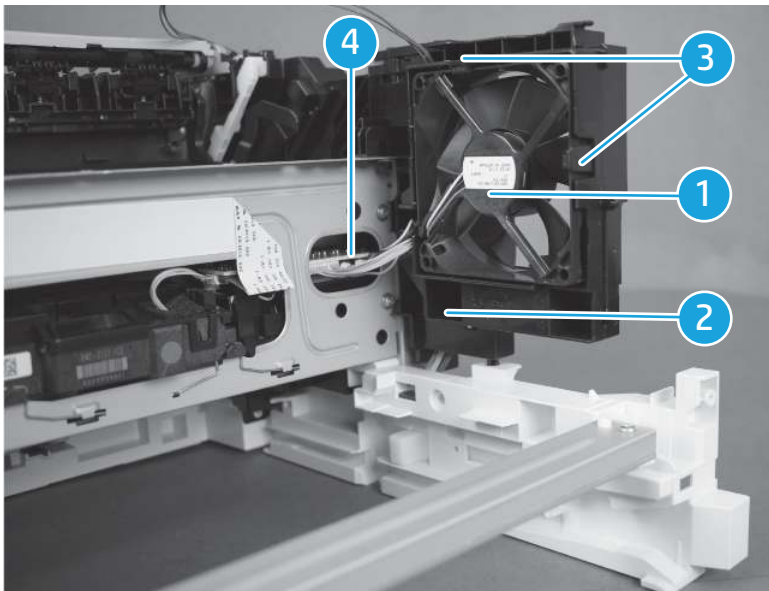


Install the main fan (SFP)

 **TIP:** [Unpack the replacement assembly on page 13.](#)

1. Install the main fan (callout 1) to the fan holder (callout 2) and engage two tabs (callout 3).
2. Position the fan holder (callout 2) and main fan (callout 1) together downward and snap it into the place and connect one connector (callout 4).

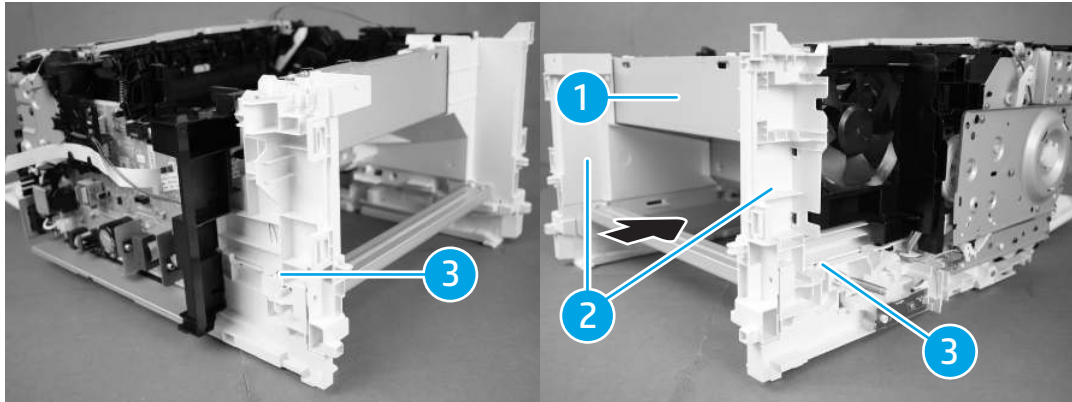
Figure 1-93 Position the fan holder



3. Position the front plate (callout 1) and the inner cover (callout 2) and install it.

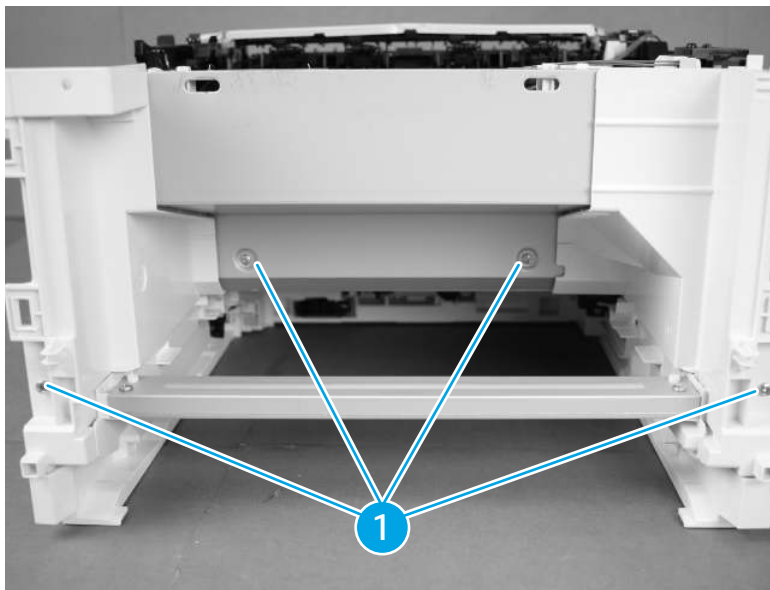
- Engage two tabs (callout 3).

Figure 1-94 Engage two tabs



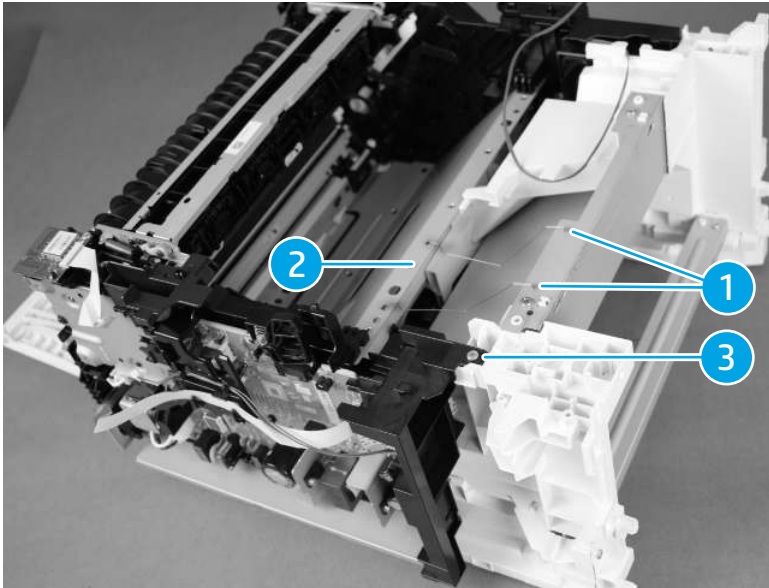
- Install four screws (callout 1).

Figure 1-95 Install four screws



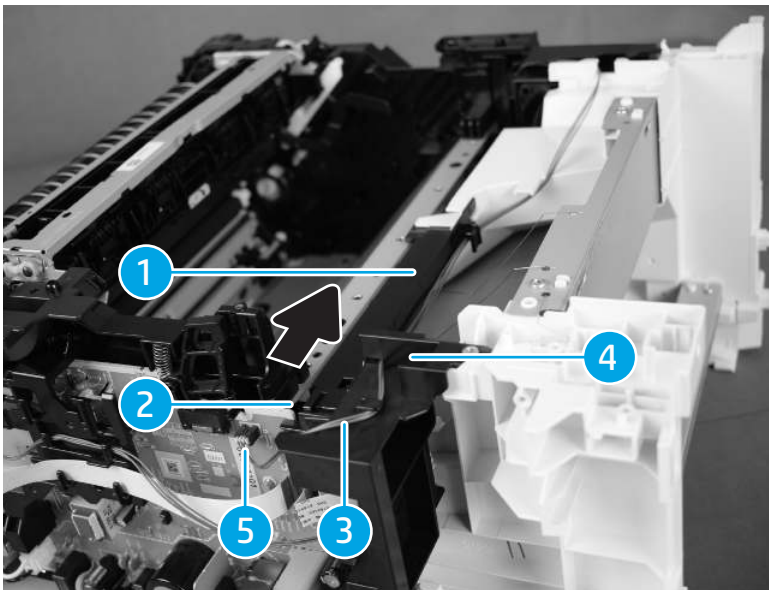
6. Install two springs (callout 1) to the plate (callout 2) and install one screw (callout 3).

Figure 1-96 Install two springs



7. Slide the duct (callout 1) in the direction that arrow indicates to install it and engage one tab (callout 2).
8. Install the cable (callout 3) to the ECU cover (callout 4) and the duct (callout 1).
9. Connect one connector (callout 5).

Figure 1-97 Connect one connector



After installing the main fan (SFP):

- [Install the control panel PCB \(SFP\) on page 120](#)
- [Install the top cover assembly and cartridge door assembly \(SFP\) on page 26](#)

- [Install the right cover \(SFP\) on page 21](#)
- [Install the left cover \(SFP\) on page 19](#)
- [Install the front cover \(SFP\) on page 17](#)

Removal and replacement: Media sensor PCB (SFP)

This document provides the procedures to remove and replace the media sensor PCB (SFP).

Before performing service

Turn the printer power off

- Disconnect the power cable

⚠ WARNING! To avoid damage to the printer, turn the printer off, wait for 30 seconds, and then remove the power cable before attempting to service the printer.

Use the table below to identify the correct part number for your printer. To order the part, go to www.hp.com/buy/parts.

Table 1-23 Part information

Part number	Part description
RM3-7821-000CN	Media width detect PCB assembly

Required tools

- #2 Phillips screwdriver with a magnetic tip
- Small flat-blade screwdriver

After performing service

Turn the printer power on

- Connect the power cable
- Use the power switch to turn the power on

Post service test

Try to print a page and verify the print.

Before proceeding, remove the following parts

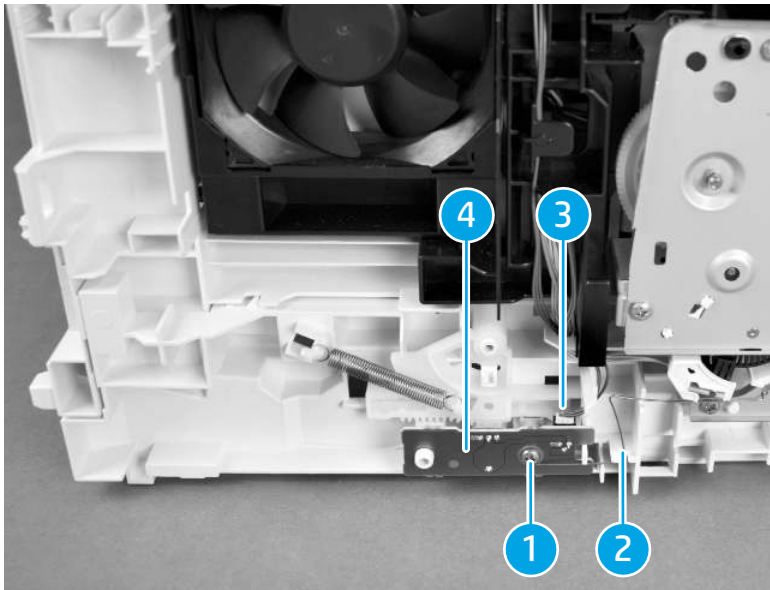
- [Remove the front cover assembly \(MFP\) on page 36](#)
- [Remove the right cover assembly \(MFP\) on page 41](#)

Remove the media sensor (SFP)

1. Remove one screw (callout 1) and unhook one spring (callout 2).

2. Disconnect one connector (callout 3) and remove the media sensor PCB (callout 4).

Figure 1-98 Remove the media sensor

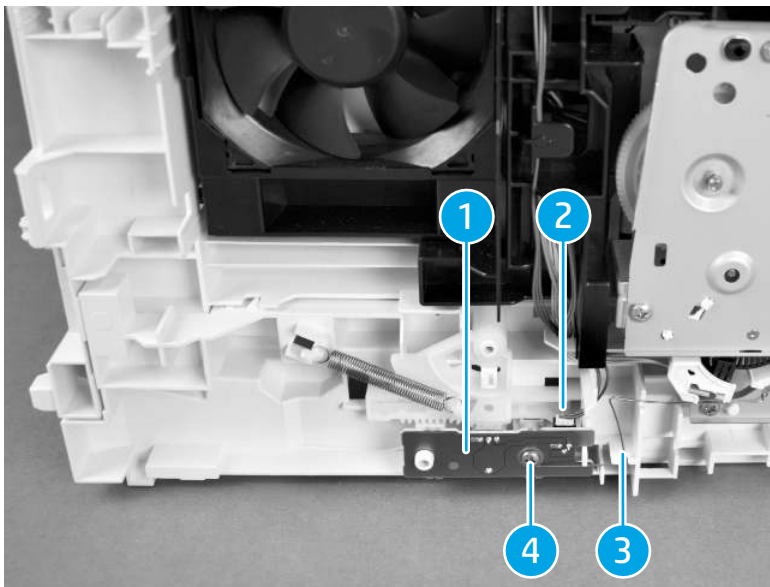


Install the media sensor PCB (SFP)

 **TIP:** [Unpack the replacement assembly on page 13.](#)

1. Position the media sensor (callout 1) and connect one connector (callout 2).
2. Hook one spring (callout 3) and install one screw (callout 4).

Figure 1-99 Install the media sensor



After installing the media sensor PCB (SFP):

- [Removal and replacement: Right cover \(SFP\) on page 20](#)

- [Removal and replacement: Front cover \(SFP\) on page 16](#)

Removal and replacement: Formatter (SFP)

This document provides the procedures to remove and replace the formatter (SFP).

Before performing service

Turn the printer power off

- Disconnect the power cable

⚠ WARNING! To avoid damage to the printer, turn the printer off, wait for 30 seconds, and then remove the power cable before attempting to service the printer.

Use the table below to identify the correct part number for your printer. To order the part, go to www.hp.com/buy/parts.

Table 1-24 Part information

Part number	Part description
4QK98-60002	Formatter

Required tools

- #2 Phillips screwdriver with a magnetic tip
- Small flat-blade screwdriver

After performing service

Turn the printer power on

- Connect the power cable
- Use the power switch to turn the power on

Post service test

Try to print a page and verify the print.

Before proceeding, remove the following parts

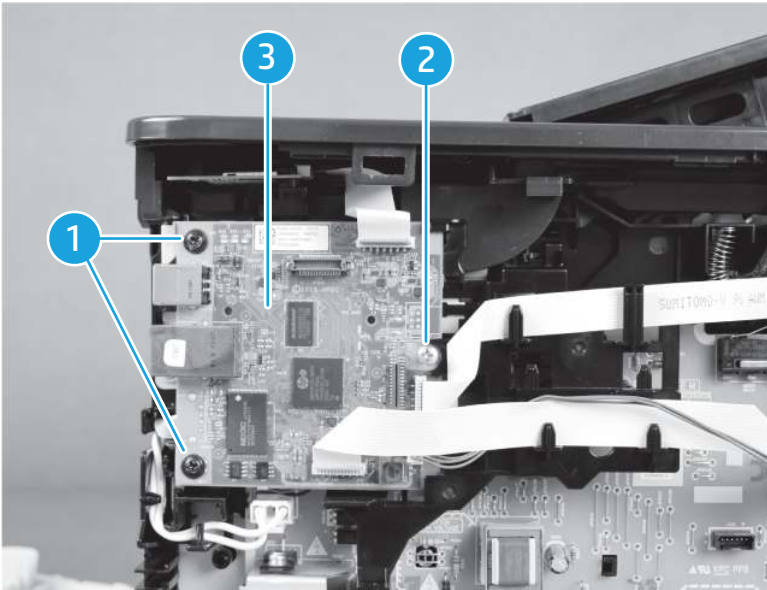
- [Remove the front cover \(SFP\) on page 17](#)
- [Remove the right cover \(SFP\) on page 21](#)

Remove the formatter (SFP)

1. Disconnect all connectors on the formatter PCB and remove two black screws (callout 1).

2. Remove one screw (callout 2) and then remove the formatter PCB (callout 3).

Figure 1-100 Remove the formatter



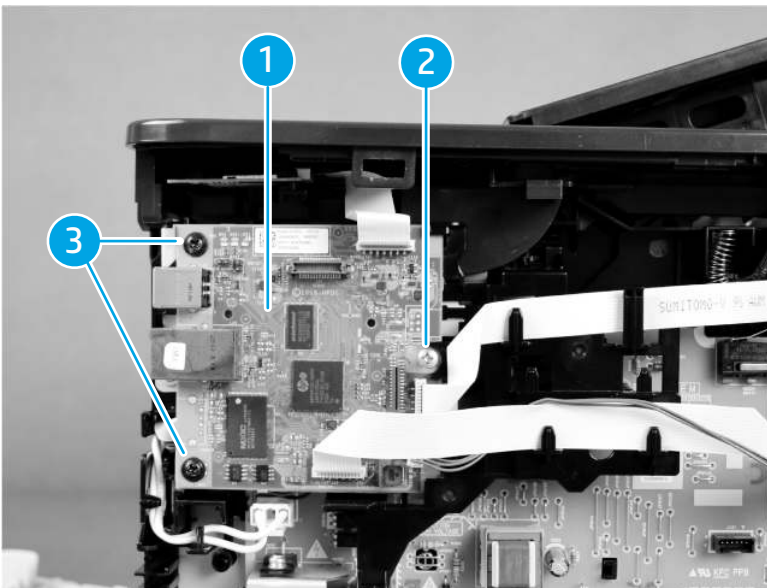
Install the formatter (SFP)

 **TIP:** [Unpack the replacement assembly on page 13.](#)

 **IMPORTANT:** Make sure to re-pair the new formatter (or engine controller) after installing it in the printer. For more information, please see [Yeti repair app on page 6.](#)

1. Position the formatter PCB (callout 1) and install one screw (callout 2).
2. Install two black screws (callout 3) and connect all connectors on the formatter PCB.

Figure 1-101 Install the formatter



After installing the formatter (SFP):

- [Install the left cover \(SFP\) on page 19](#)
- [Install the front cover \(SFP\) on page 17](#)

Removal and replacement: Wireless PCB (SFP)

This document provides the procedures to remove and replace the wireless PCB (SFP).

Before performing service

Turn the printer power off

- Disconnect the power cable

⚠ WARNING! To avoid damage to the printer, turn the printer off, wait for 30 seconds, and then remove the power cable before attempting to service the printer.

Use the table below to identify the correct part number for your printer. To order the part, go to www.hp.com/buy/parts.

Table 1-25 Part information

Part number	Part description
RK3-1082-000CN	Cable, flat, Wi-Fi (wireless model)
0960-4745	Wi-Fi module

Required tools

- #2 Phillips screwdriver with a magnetic tip
- Small flat-blade screwdriver

After performing service

Turn the printer power on

- Connect the power cable
- Use the power switch to turn the power on

Post service test

Try to print a page and verify the print.

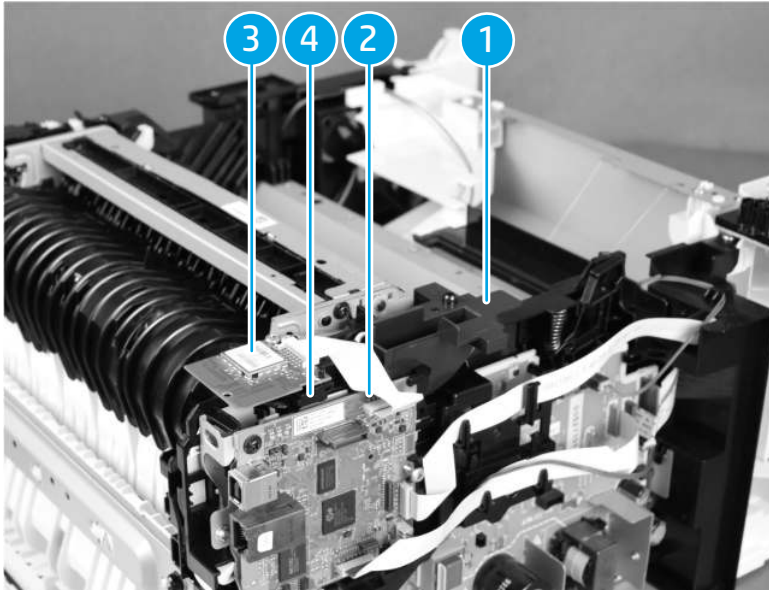
Before proceeding, remove the following parts

- [Remove the front cover \(SFP\) on page 17](#)
- [Remove the left cover \(SFP\) on page 19](#)
- [Remove the right cover \(SFP\) on page 21](#)
- [Remove the top cover assembly and cartridge door assembly \(SFP\) on page 22](#)

Remove the Wireless PCB (SFP)

1. Remove the cartridge keying guide (callout 1).
2. Release one tab (callout 2). (for wireless model only)
3. Remove the wireless PCB (callout 3) and the wireless PCB holder (callout 4) together. (for wireless model only)

Figure 1-102 Remove the wireless PCB



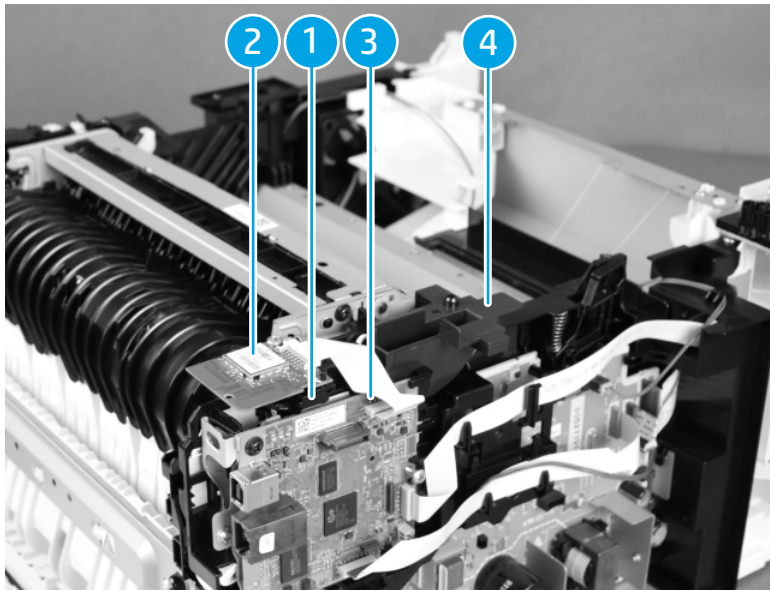
Install the Wireless PCB (SFP)

 **TIP:** [Unpack the replacement assembly on page 13.](#)

1. Position the Wireless PCB holder (callout 1) and Wireless PCB (callout 2)

- Engage one tab (callout 3) (for wireless model only)

Figure 1-103 Install the wireless PCB



- Install the cartridge keying guide (callout 4).

After installing the wireless PCB (SFP)

- [Install the top cover assembly and cartridge door assembly \(SFP\) on page 26](#)
- [Install the right cover \(SFP\) on page 21](#)
- [Install the left cover \(SFP\) on page 19](#)
- [Install the front cover \(SFP\) on page 17](#)

Removal and replacement: Fixing output sensor PCB (SFP)

This document provides the procedures to remove and replace the fixing sensor output.

Before performing service

Turn the printer power off

- Disconnect the power cable

⚠ WARNING! To avoid damage to the printer, turn the printer off, wait for 30 seconds, and then remove the power cable before attempting to service the printer.

Use the table below to identify the correct part number for your printer. To order the part, go to www.hp.com/buy/parts.

Table 1-26 Part information

Part number	Part description
RM3-7863-000CN	Fixing output sensor PCB assembly

Required tools

- #2 Phillips screwdriver with a magnetic tip
- Small flat-blade screwdriver

After performing service

Turn the printer power on

- Connect the power cable
- Use the power switch to turn the power on

Post service test

Try to print a page and verify the print.

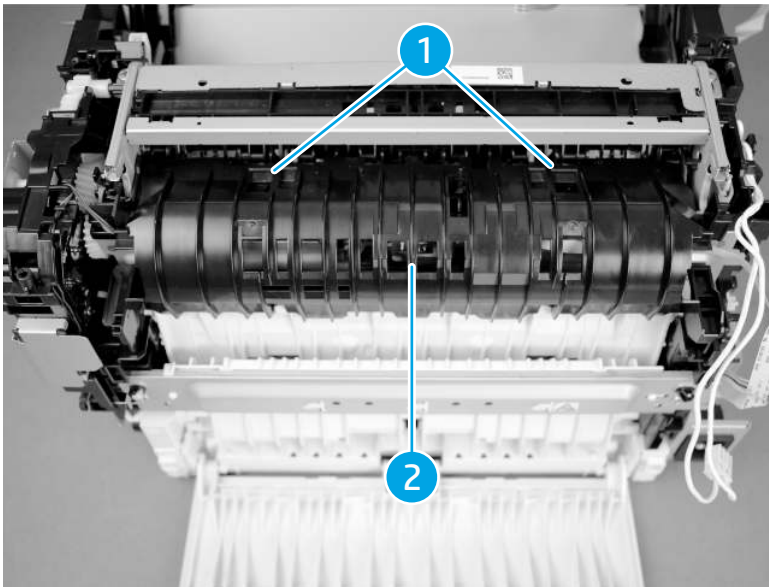
Before proceeding, remove the following parts

- [Remove the front cover \(SFP\) on page 17](#)
- [Remove the left cover \(SFP\) on page 19](#)
- [Remove the right cover \(SFP\) on page 21](#)
- [Remove the top cover assembly and cartridge door assembly \(SFP\) on page 22](#)


Remove the fixing output sensor (SFP)

1. Release two tabs (callout 1), and remove the duplex reverse guide (callout 2).

Figure 1-104 Release two tabs (SFP)



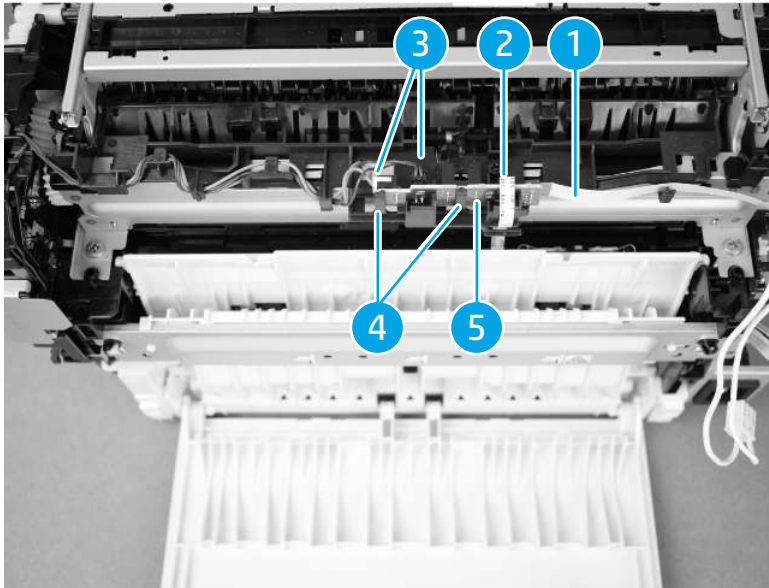
2. Remove the FFC (callout 1).

 **NOTE:** When replacing the FFC (callout 1) go to step 5.

3. Remove the FFC (callout 2), and then disconnect two connectors (callout 3).

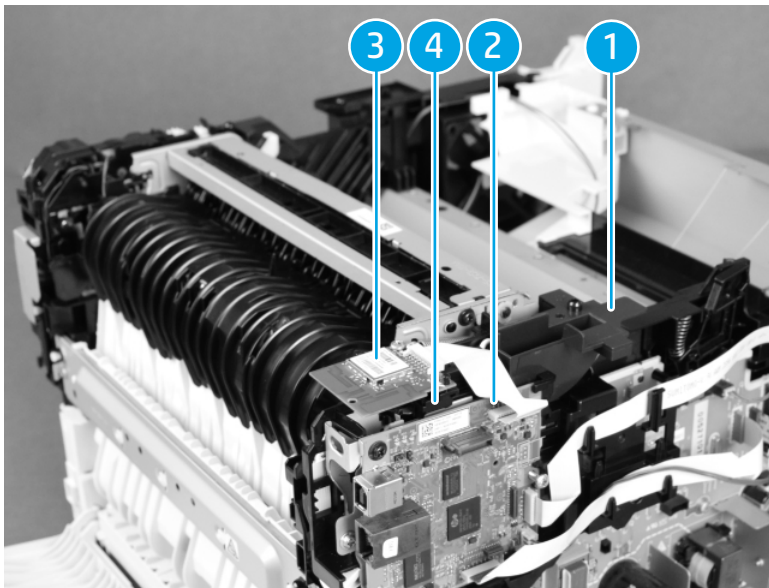
4. Release two tabs (callout 4), and remove the fixing output sensor PCB (callout 5).

Figure 1-105 Remove the fixing output sensor



5. Remove the formatter FFC and remove the cartridge keying guide (callout 1).
6. Release one tab (callout 2). (for wireless model only).
7. Remove the Wireless PCB (callout 3) and the Wireless PCB holder (callout 4) together. (for wireless model only).

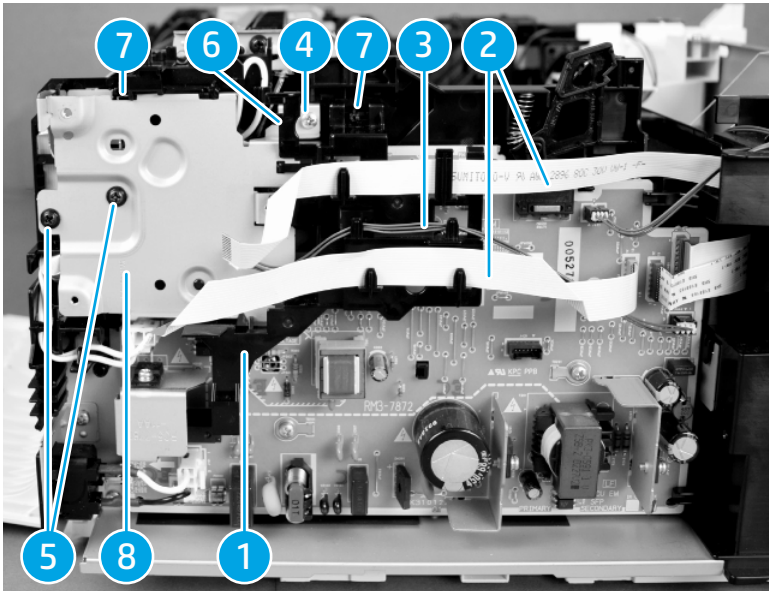
Figure 1-106 Remove the Wireless PCB



8. Remove FFCs (callout 2) from the cable guide (callout 1).
9. Release the cable (callout 3) from the cable guide (callout 1).
10. Remove one screw (callout 4) and remove two black screws (callout 5).

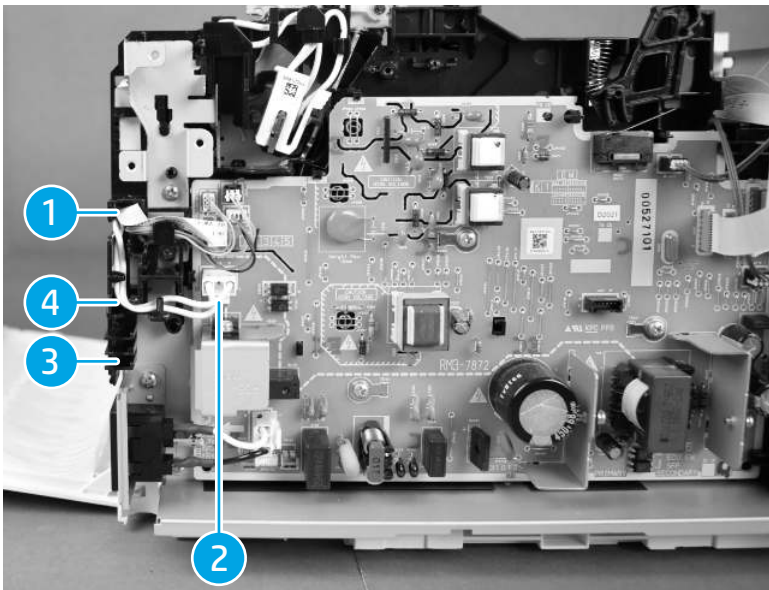
11. Remove one boss (callout 6) and release two tabs (callout 7).
12. Remove the cable guide (callout 1) and the formatter stay (callout 8) together.

Figure 1-107 Remove the cable guide



13. Remove the FFC (callout 1) and disconnect one connector (callout 2).
14. Remove the cable (callout 4) and the FFC (callout 1) from the cable guide (callout 3).

Figure 1-108 Remove the cable



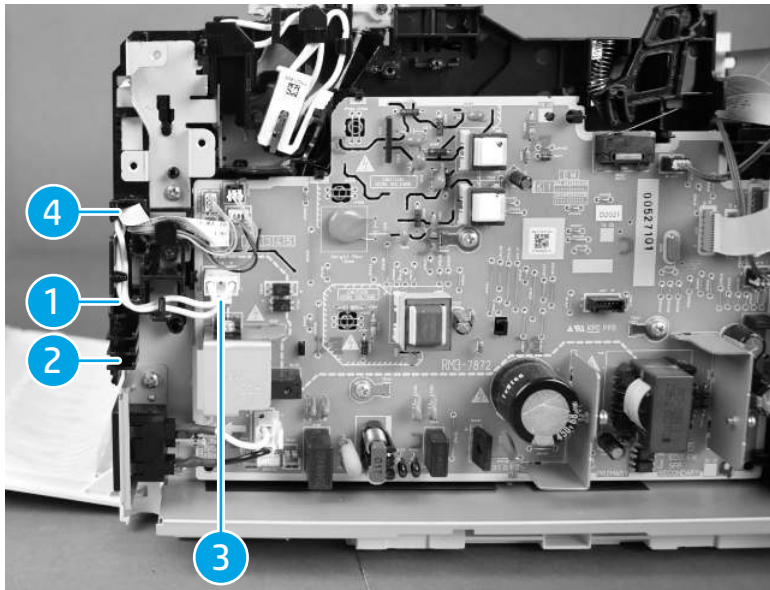
Install the fixing output sensor (SFP)

 **TIP:** [Unpack the replacement assembly on page 13.](#)

1. Install the cable (callout 1) and the FFC (callout 4) to the cable guide (callout 2).

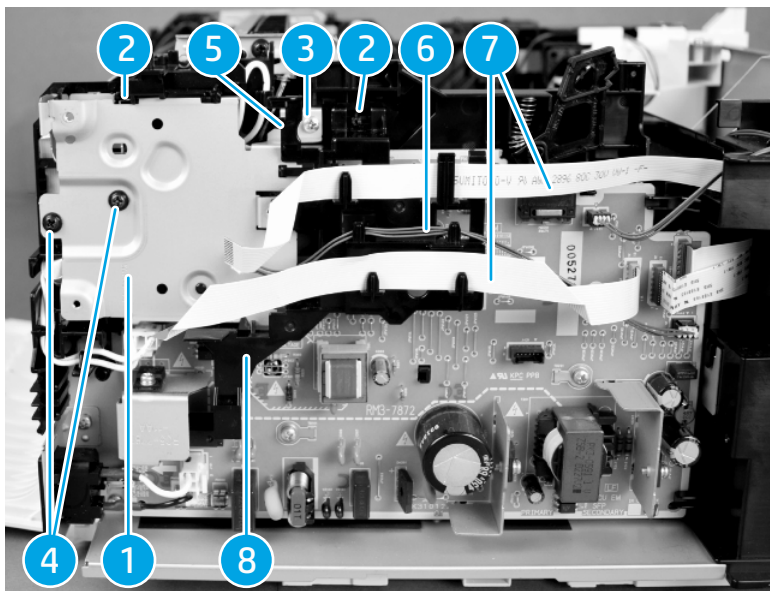
2. Connect one connector (callout 3) and install the FFC (callout 4).

Figure 1-109 Connect one connector



3. Position the formatter stay (callout 1) and install the cable guide (callout 8) together.
4. Engage two tabs (callout 2) and engage one boss (callout 3).
5. Install two black screws (callout 4) and install one screw (callout 5).
6. Install the cable (callout 6) to the cable guide (callout 8).
7. Install the FFCs (callout 7) to the cable guide (callout 8).

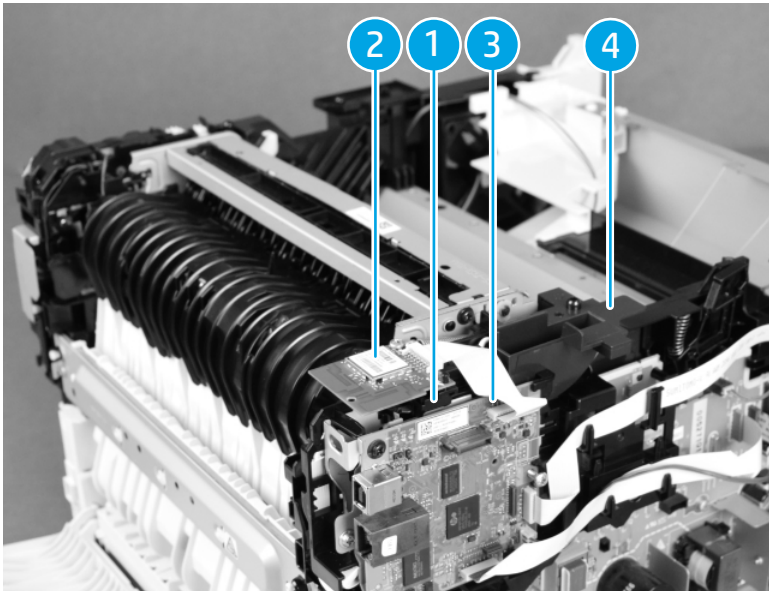
Figure 1-110 Install the FFC



8. Position the wireless PCB holder (callout 1) and wireless PCB (callout 2) together. (For wireless model only).

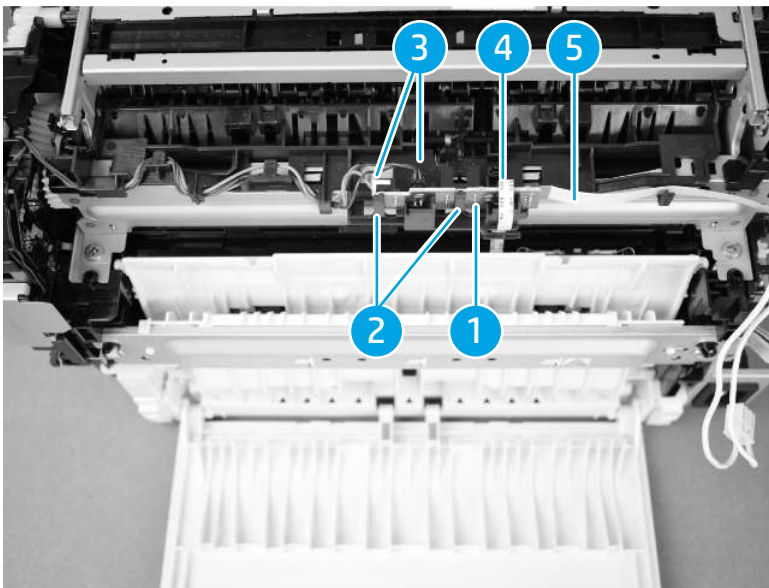
9. Engage one tab (callout 3). (For wireless model only).
10. Install the cartridge keying guide (callout 4) and install the formatter.

Figure 1-111 Install the cartridge keying guide



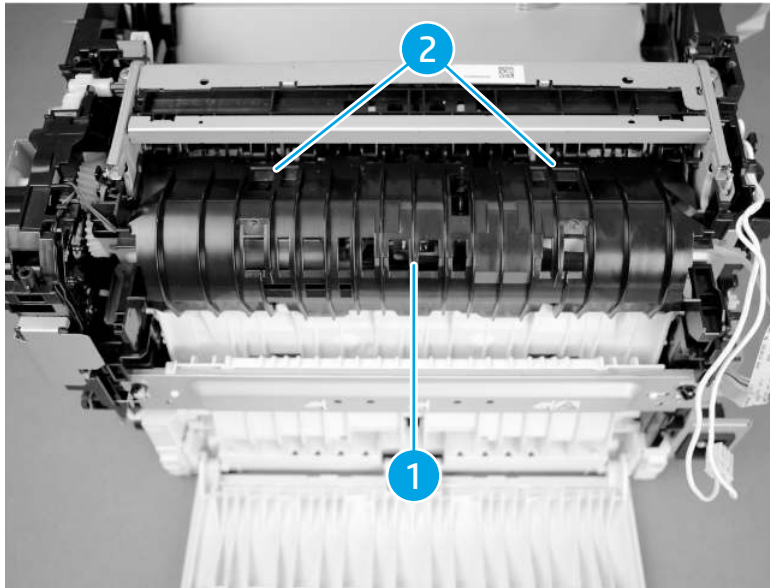
11. Position the fuser output sensor PCB (callout 1) and engage two tabs (callout 2).
12. Connect two connectors (callout 3) and install the FFC (callout 4).
13. Install the FFC (callout 5).

Figure 1-112 Install the FFC



14. Position the duplex reverse guide (callout 1) and engage two tabs (callout 2).

Figure 1-113 Engage two tabs



After installing the fixing output sensor (SFP)

- [Install the top cover assembly and cartridge door assembly \(SFP\) on page 26](#)
- [Install the right cover \(SFP\) on page 21](#)
- [Install the left cover \(SFP\) on page 19](#)
- [Install the front cover \(SFP\) on page 17](#)

Removal and replacement: Fuser (SFP)

This document provides the procedures to remove and replace the fuser (SFP).

Before performing service

Turn the printer power off

- Disconnect the power cable

⚠ WARNING! To avoid damage to the printer, turn the printer off, wait for 30 seconds, and then remove the power cable before attempting to service the printer.

Use the table below to identify the correct part number for your printer. To order the part, go to www.hp.com/buy/parts.

Table 1-27 Part information

Part number	Part description
RM2-3429-000CN	Fixing assembly (SFP - 110-127v)
RM2-3431-000CN	Fixing assembly (SFP - 220-240v)

Required tools

- #2 Phillips screwdriver with a magnetic tip
- Small flat-blade screwdriver

After performing service

Turn the printer power on

- Connect the power cable
- Use the power switch to turn the power on

Post service test

Try to print a page and verify the print.

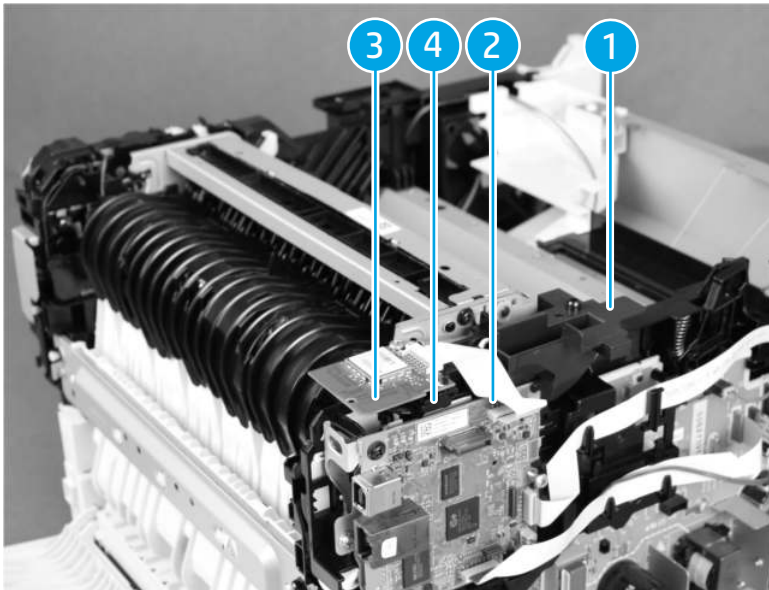
Before proceeding, remove the following parts

- [Remove the front cover \(SFP\) on page 17](#)
- [Remove the left cover \(SFP\) on page 19](#)
- [Remove the right cover \(SFP\) on page 21](#)
- [Remove the top cover assembly and cartridge door assembly \(SFP\) on page 22](#)
- [Remove the formatter \(SFP\) on page 87](#)

Remove the fuser (SFP)

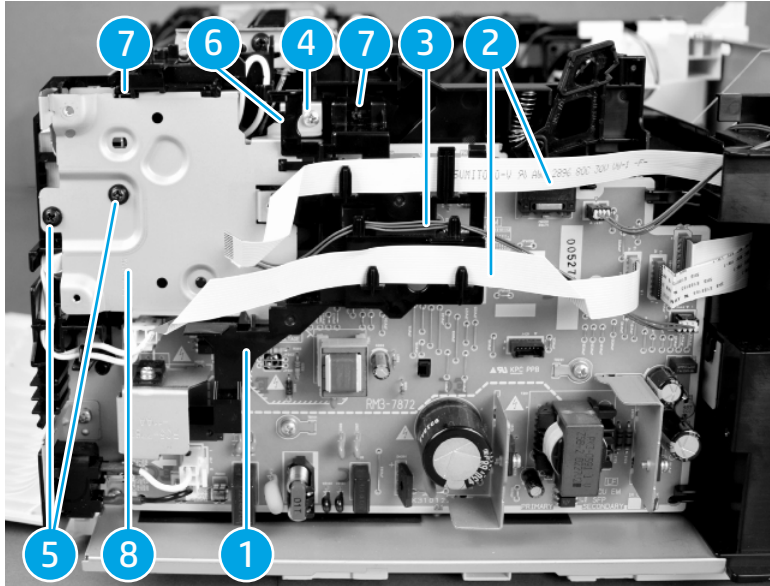
1. Remove the cartridge keying guide (callout 1).
2. Release one tab (callout 2). (for wireless model only)
3. Remove the wireless PCB (callout 3) and the wireless PCB (callout 4) together. (for wireless model only)

Figure 1-114 Remove the wireless PCB



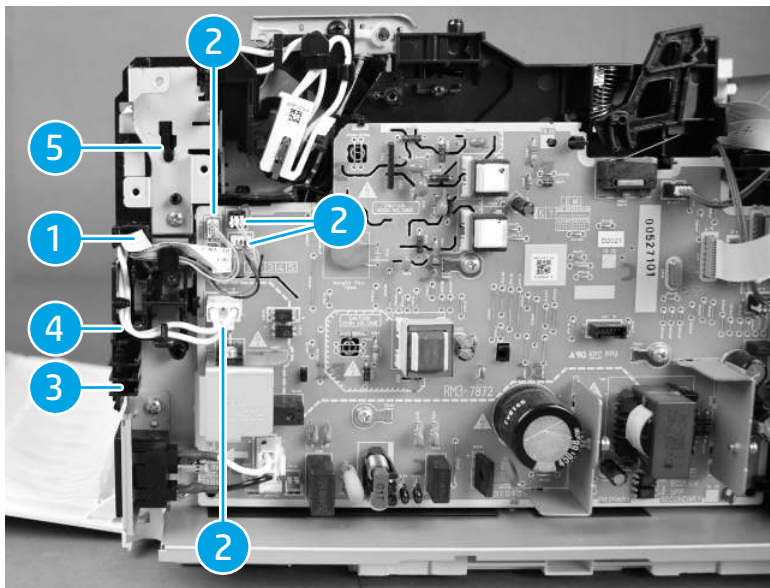
4. Remove two FFCs (callout 2) from the cable guide (callout 1) and release the cable (callout 3) from the cable guide (callout 1).
5. Remove one screw (callout 4) and remove two black screws (callout 5).
6. Release one boss (callout 6) and release two tabs (callout 7).
7. Remove the cable guide (callout 1) and the formatter stay (callout 8) together.

Figure 1-115 Remove the cable guide



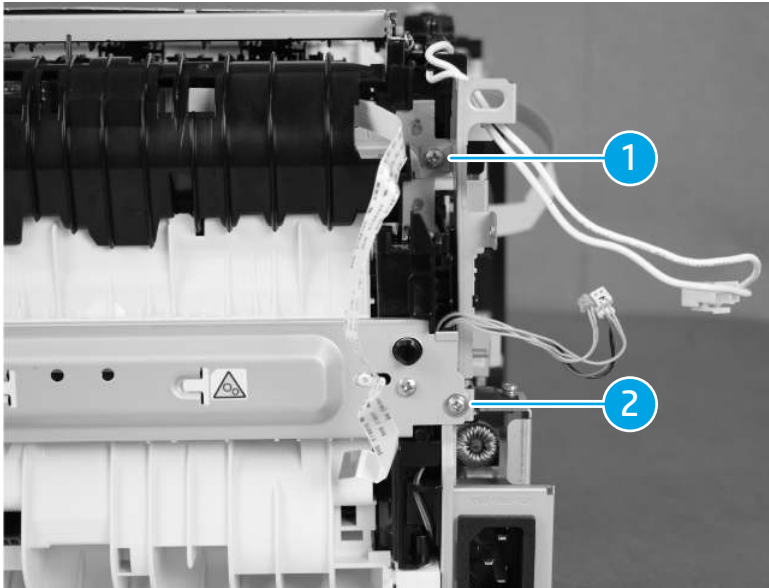
8. Remove the FFC (callout 1), and disconnect the two connectors (callout 2).
9. Release the cable (callout 4), and the FFC (callout 1) from the cable guide (callout 3).
10. Release one tab (callout 5), and slide the cable guide (callout 3) upward to remove it.

Figure 1-116 Release one tab



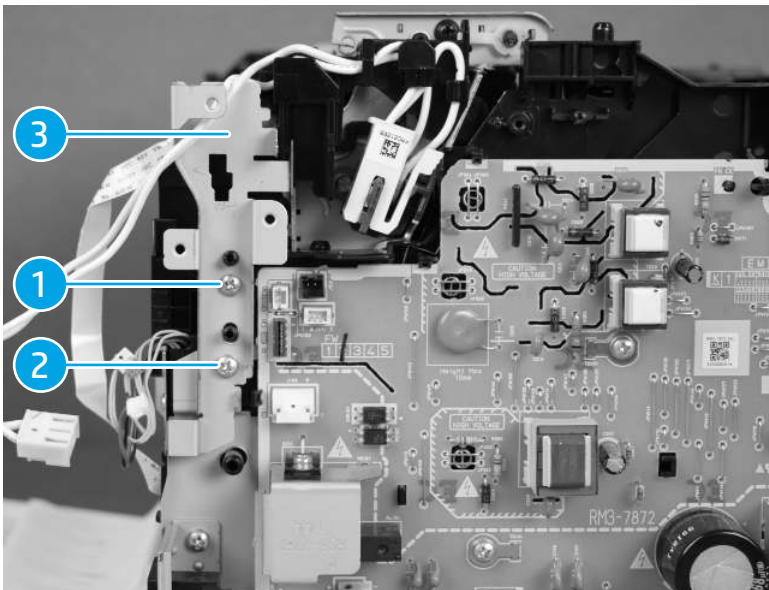
11. Remove one screw with washer (callout 1), and remove one tapping screw (callout 2).

Figure 1-117 Remove one tapping screw



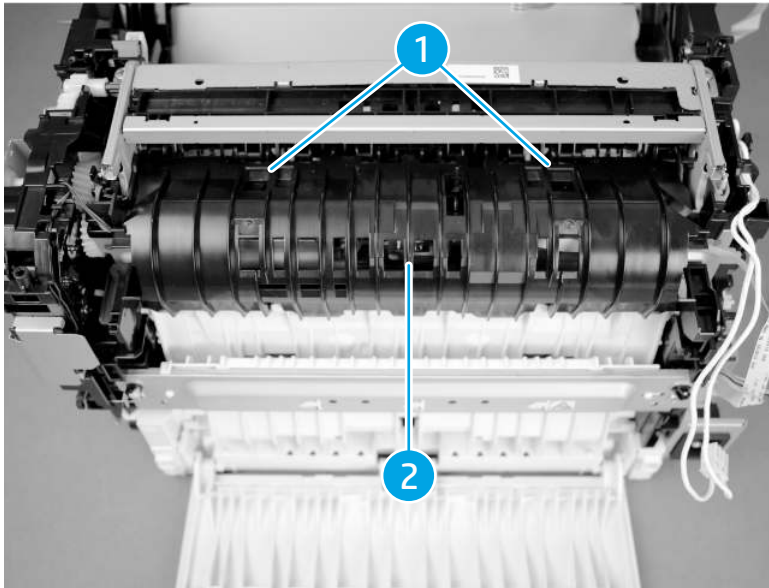
12. Remove one screw (callout 1), remove one screw with washer (callout 2), and remove the stay (callout 3).

Figure 1-118 Remove the stay



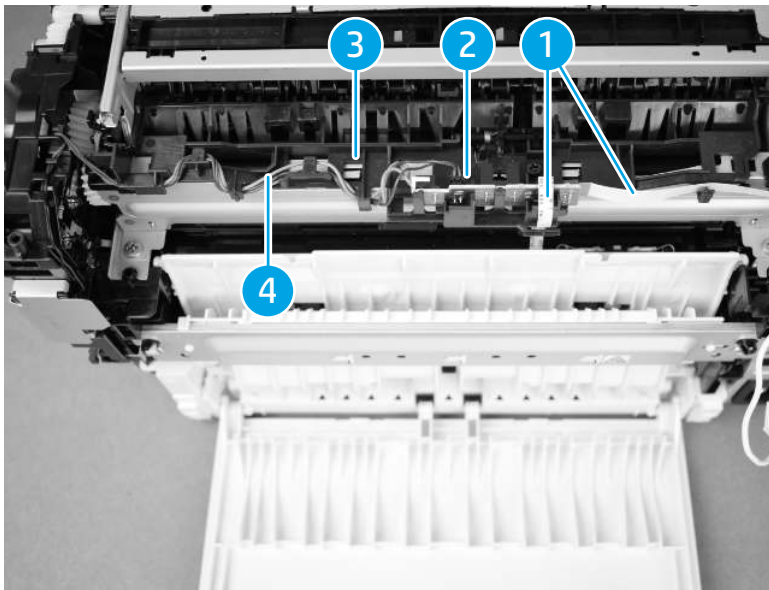
13. Release two tabs (callout 1), and remove the duplex reverse guide (callout 2).

Figure 1-119 Release two tabs



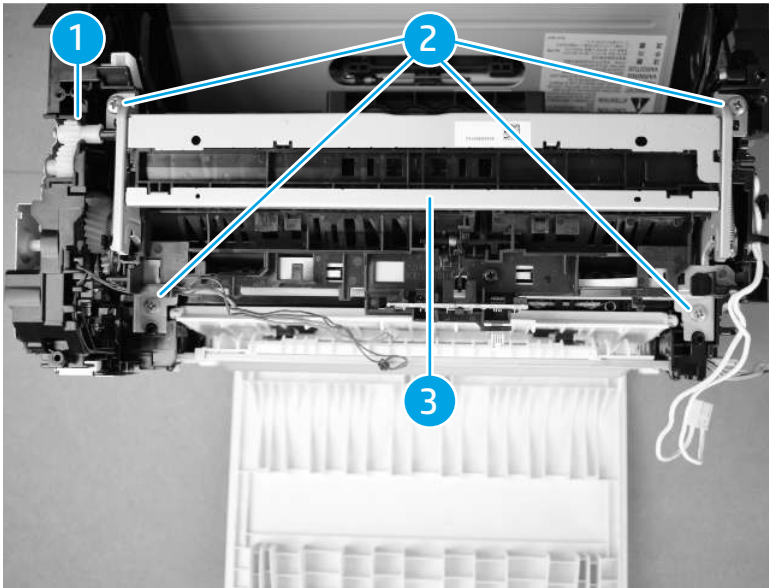
14. Remove two FFCs (callout 1), and disconnect one connector (callout 2) then release the cable (callout 4) from the cable guide (callout 3).

Figure 1-120 Remove two FFCs



15. Remove the gear (callout 1), remove four screws (callout 2), and remove the fuser (callout 3).

Figure 1-121 Remove the fuser

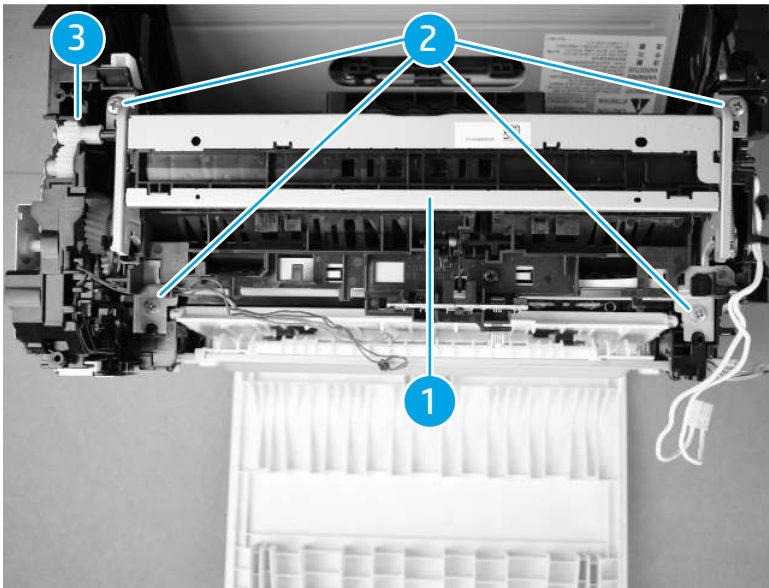


Install the fuser (SFP)

 **TIP:** [Unpack the replacement assembly on page 13.](#)

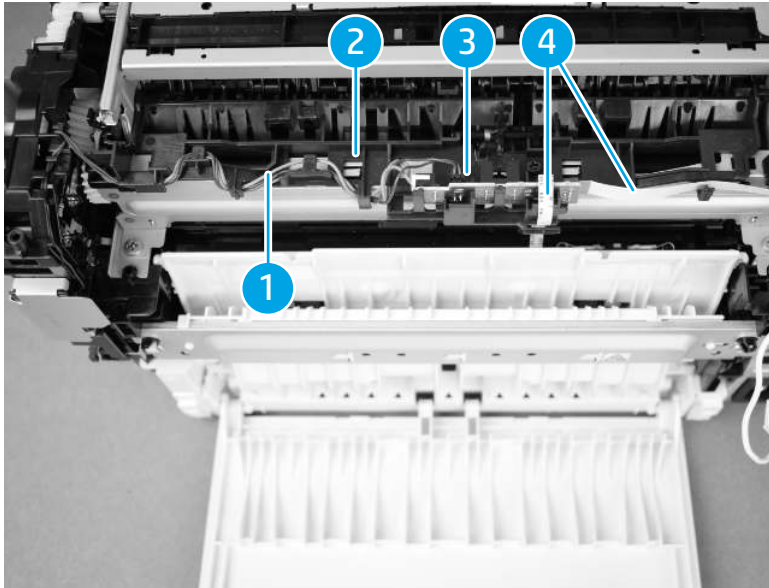
1. Position the fuser (callout 1) and install four screws (callout 2) and then install the gear (callout 3).

Figure 1-122 Position the fuser



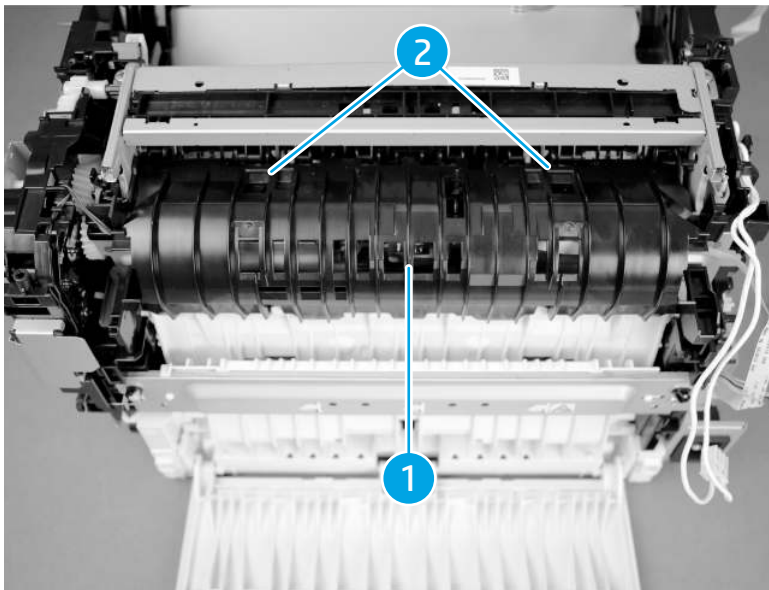
2. Connect the cable (callout 1) to the cable guide (callout 2). Connect one connector (callout 3), and install two FFCs (callout 4).

Figure 1-123 Connect one connector



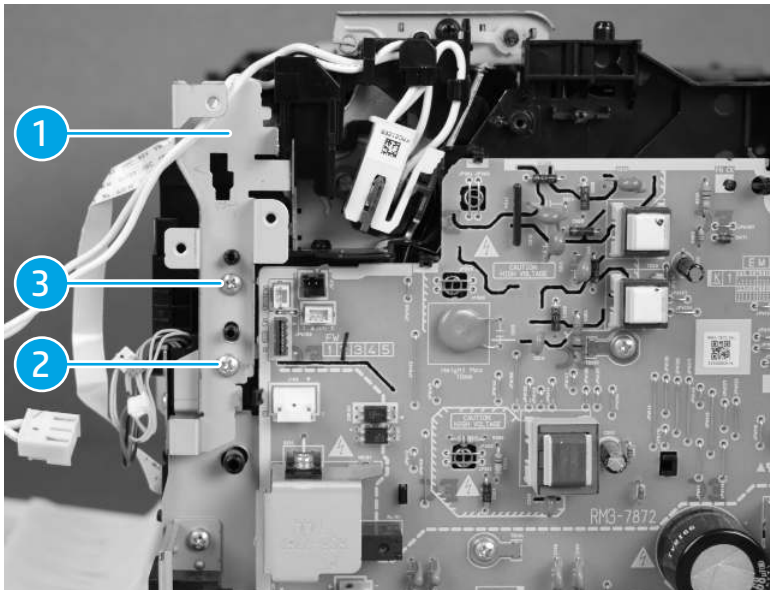
3. Position the duplex reverse guide (callout 1), and engage two tabs (callout 2).

Figure 1-124 Engage two tabs



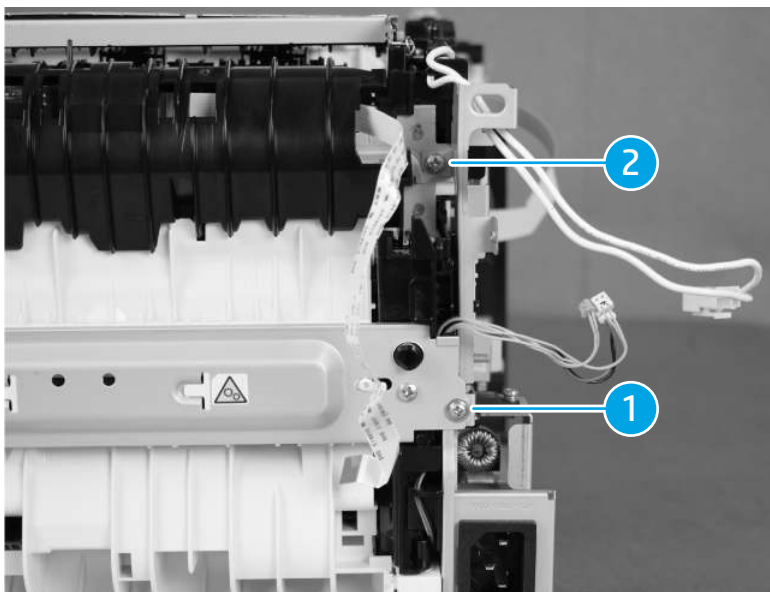
4. Position the stay (callout 1). Install one screw with washer (callout 2), and install one screw (callout 3).

Figure 1-125 Install one screw



5. Install one tapping screw (callout 1), and install one screw with washer (callout 2).

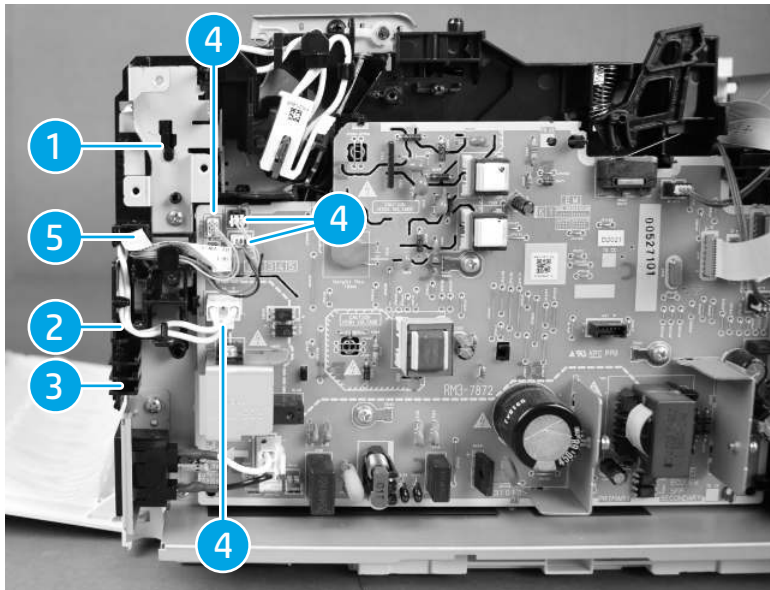
Figure 1-126 Install one tapping screw



6. Slide the cable guide (callout 3) and install it, and then engage one tab (callout 1).
7. Install the FFC (callout 5) to the cable guide (callout 3), and connect the cable (callout 2).

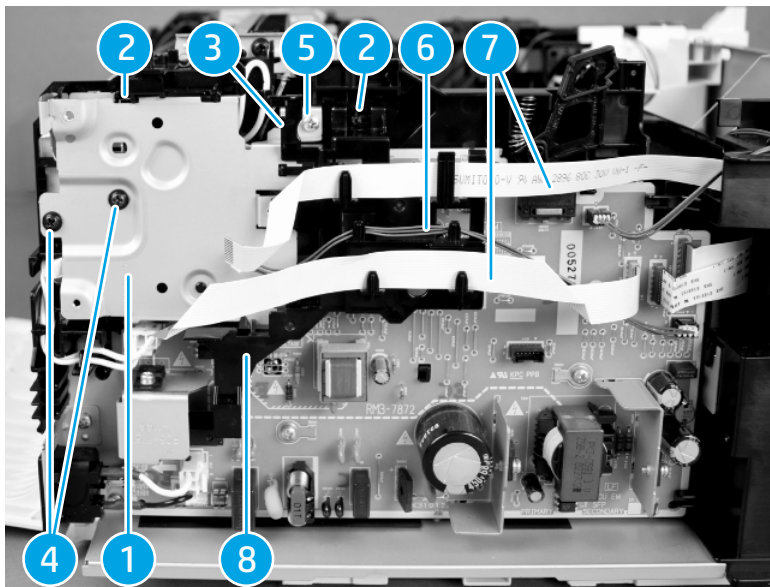
8. Connect the two connectors (callout 4), and install the FFC (callout 5).

Figure 1-127 Connect the two connectors



9. Position the formatter stay (callout 1) and install the cable guide (callout 8) together.
10. Install two tabs (callout 2) and then install one boss (callout 3).
11. Install two black screws (callout 4) and install one screw (callout 5).
12. Connect the cable (callout 6) to the cable guide (callout 8) and install two FFCs (callout 7) to the cable guide (callout 8).

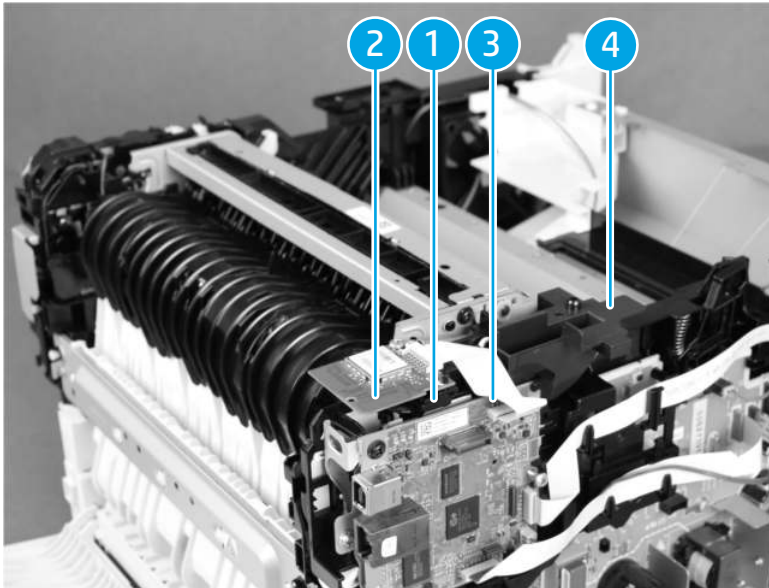
Figure 1-128 Connect the cable



13. Position the wireless holder (callout 1) and the wireless PCB (callout 2) together. (for wireless model only)
14. Engage one tab (callout 3). (for wireless models only)

15. Install the cartridge keying guide (callout 4).

Figure 1-129 Engage one tab



After installing the fuser (SFP)

- [Install the formatter \(SFP\) on page 88](#)
- [Install the top cover assembly and cartridge door assembly \(SFP\) on page 26](#)
- [Install the right cover \(SFP\) on page 21](#)
- [Install the left cover \(SFP\) on page 19](#)
- [Install the front cover \(SFP\) on page 17](#)

Removal and replacement: BIAS PCB (SFP)

This document provides the procedures to remove and replace the BIAS PCB (SFP).

Before performing service

Turn the printer power off

- Disconnect the power cable

⚠ WARNING! To avoid damage to the printer, turn the printer off, wait for 30 seconds, and then remove the power cable before attempting to service the printer.

Use the table below to identify the correct part number for your printer. To order the part, go to www.hp.com/buy/parts.

Table 1-28 Part information

Part number	Part description
RM3-7861-000CN	BIAS PCB assembly

Required tools

- #2 Phillips screwdriver with a magnetic tip
- Small flat-blade screwdriver

After performing service

Turn the printer power on

- Connect the power cable
- Use the power switch to turn the power on

Post service test

Try to print a page and verify the print.

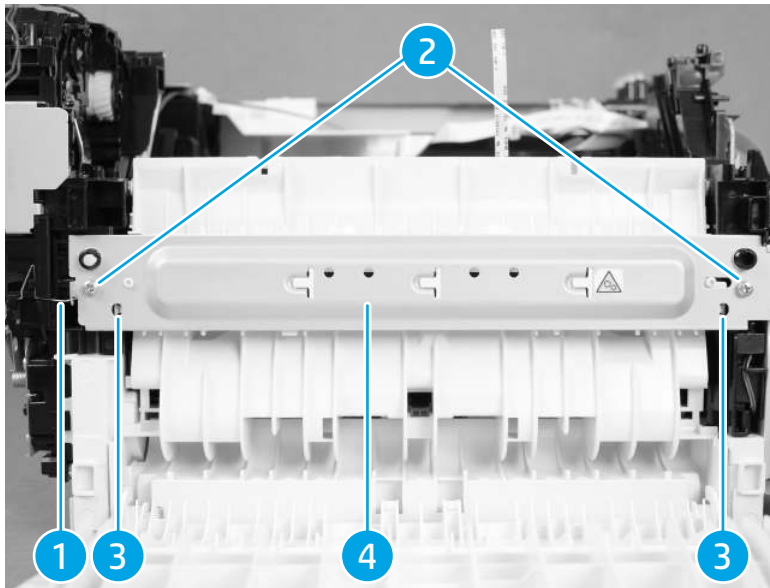
Before proceeding, remove the following parts

- [Remove the front cover \(SFP\) on page 17](#)
- [Remove the left cover \(SFP\) on page 19](#)
- [Remove the right cover \(SFP\) on page 21](#)
- [Remove the top cover assembly and cartridge door assembly \(SFP\) on page 22](#)

Remove the BIAS PCB (SFP)

1. Unhook one spring (callout 1), and remove two screws (callout 2).
2. Release two tabs (callout 3), and remove the duplex registration guide (callout 4).

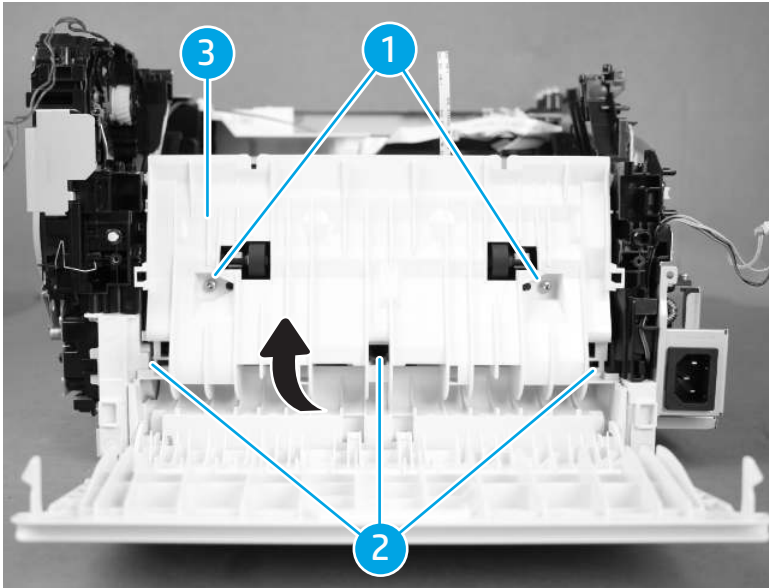
Figure 1-130 Release two tabs



3. Remove two screws (callout 1), and release three tabs (callout 2).

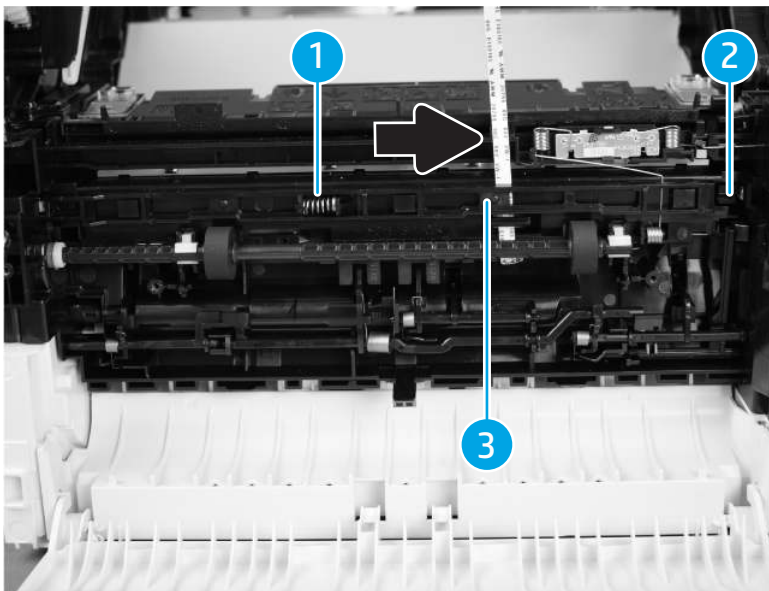
4. Rotate the duplex feed guide (callout 3) in the direction that the arrow indicates and remove it.

Figure 1-131 Remove two screws



5. Unhook one spring (callout 1), and remove the bushing (callout 2).
6. Slide the slider (callout 3) in the direction that arrow indicates and remove it.

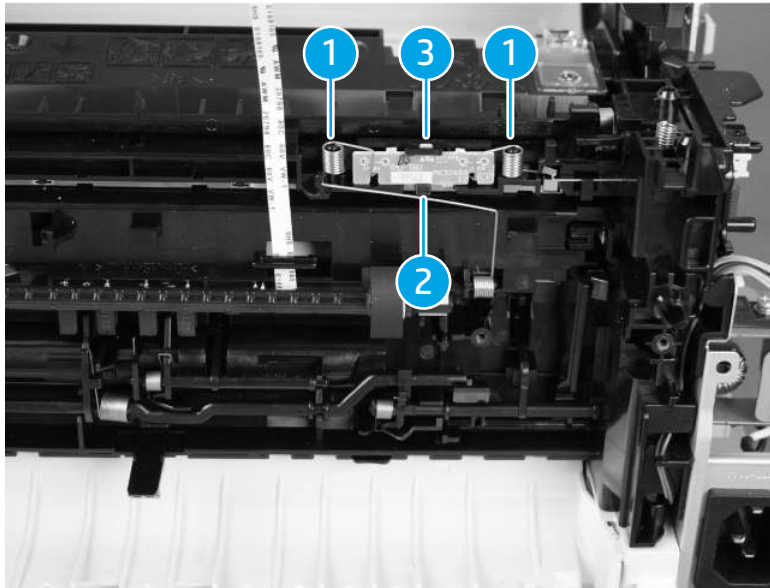
Figure 1-132 Unhook one spring



7. Unhook two springs (callout 1), and release one tab (callout 2).

8. Remove the BIAS PCB (callout 3).

Figure 1-133 Remove the BIAS PCB

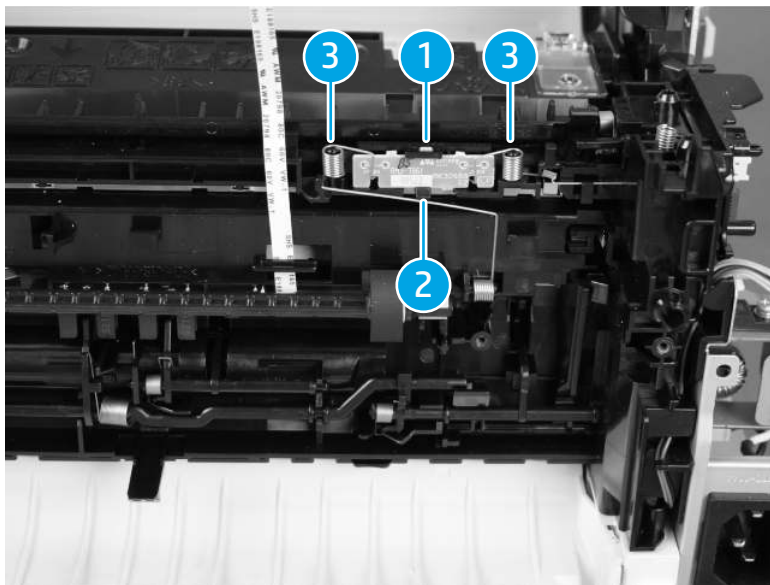


Install the BIAS PCB (SFP)

 **TIP:** [Unpack the replacement assembly on page 13.](#)

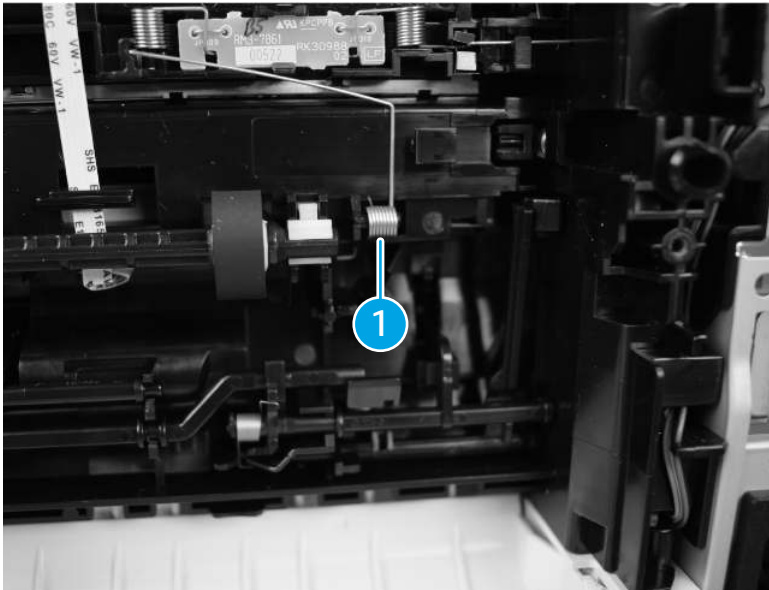
1. Position the BIAS PCB (callout 1).
2. Engage one tab (callout 2), and hook two springs (callout 3).

Figure 1-134 Position the BIAS PCB



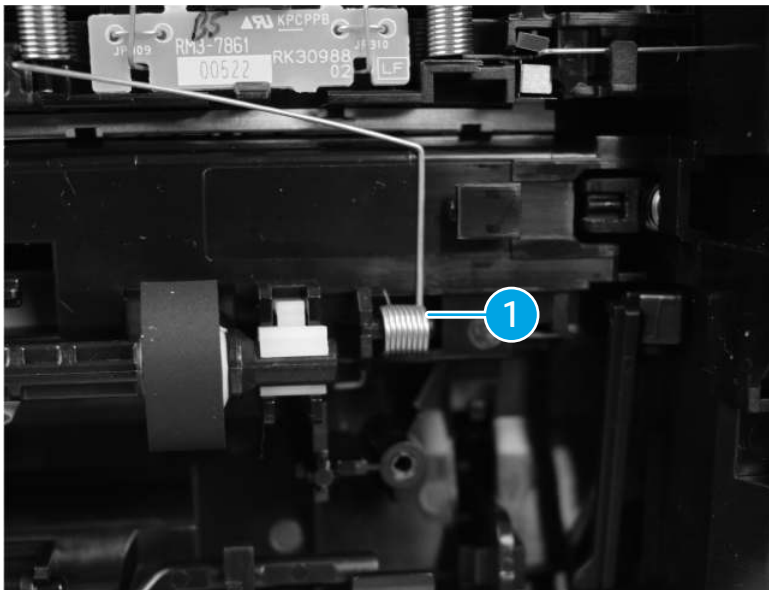
3. Make sure the spring (callout 1) is installed in the correct position.

Figure 1-135 Spring position



4. The correct position of spring (callout 1).

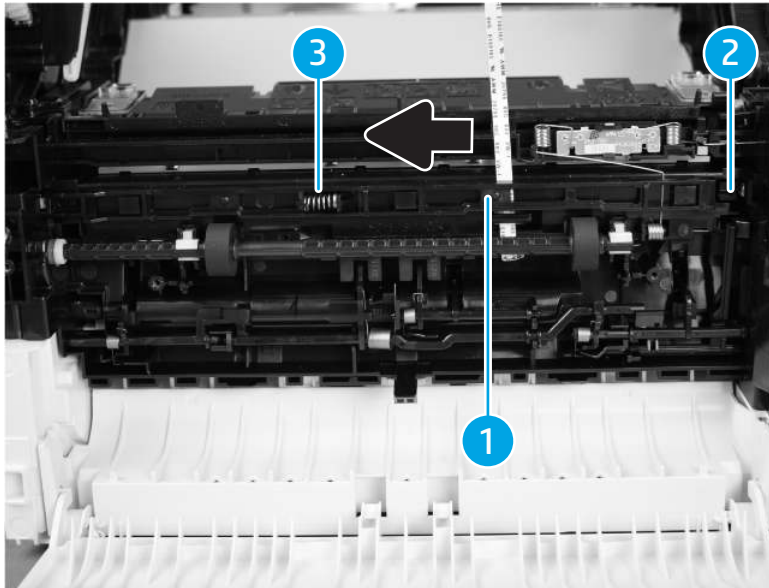
Figure 1-136 Correct position of the spring



5. Slide the slider (callout 1) in the direction that arrow indicates and install it.

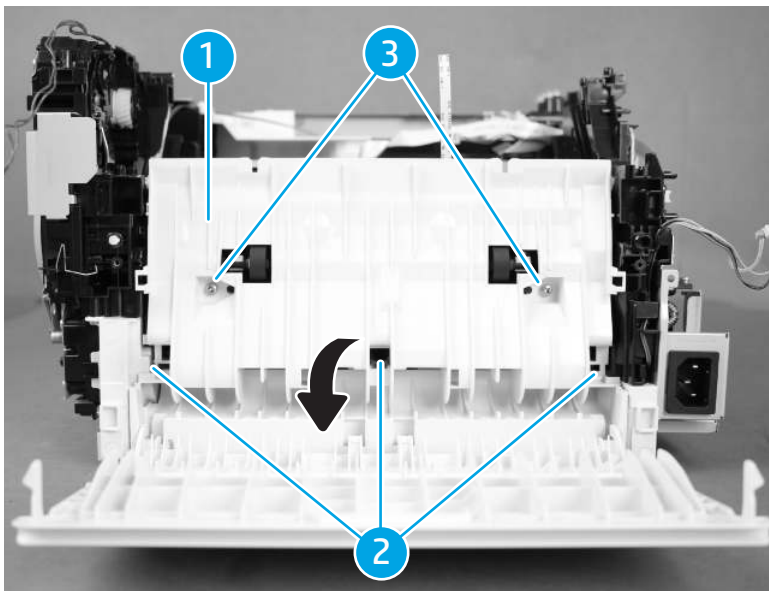
6. Install the bushing (callout 2), and hook one spring (callout 3).

Figure 1-137 Hook one spring



7. Rotate the duplex feed (callout 1) in the direction that the arrow indicates and install it.
8. Engage three tabs (callout 2), and install two screws (callout 3).

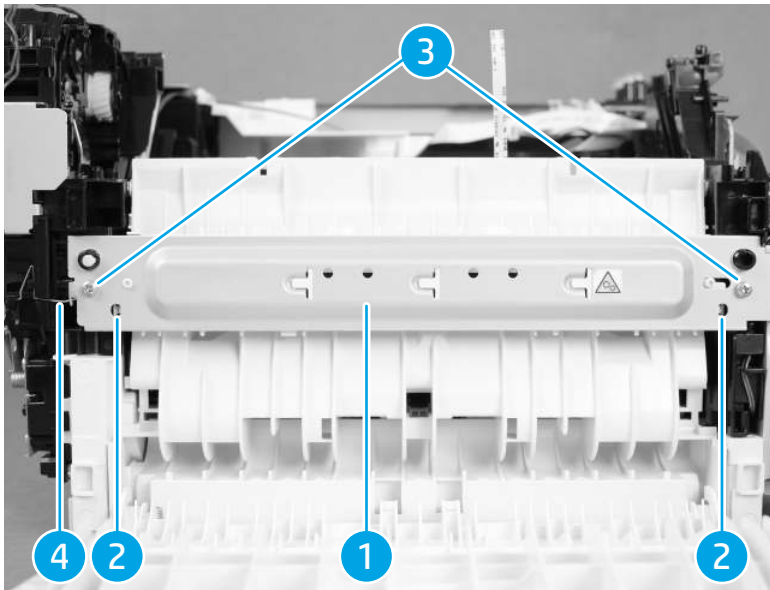
Figure 1-138 Engage three tabs



9. Position the duplex registration guide (callout 1), and engage two tabs (callout 2).

10. Install two screws (callout 3), and hook one spring (callout 4).

Figure 1-139 Hook one spring



After installing the BIAS PCB (SFP):

- [Install the top cover assembly and cartridge door assembly \(SFP\) on page 26](#)
- [Install the right cover \(SFP\) on page 21](#)
- [Install the left cover \(SFP\) on page 19](#)
- [Install the front cover \(SFP\) on page 17](#)

Removal and replacement: Registration sensor PCB (SFP)

This document provides the procedures to remove and replace the registration sensor (SFP).

Before performing service

Turn the printer power off

- Disconnect the power cable

⚠ WARNING! To avoid damage to the printer, turn the printer off, wait for 30 seconds, and then remove the power cable before attempting to service the printer.

Use the table below to identify the correct part number for your printer. To order the part, go to www.hp.com/buy/parts.

Table 1-29 Part information

Part number	Part description
RM3-7858-000CN	Registration sensor PCB assembly

Required tools

- #2 Phillips screwdriver with a magnetic tip
- Small flat-blade screwdriver

After performing service

Turn the printer power on

- Connect the power cable
- Use the power switch to turn the power on

Post service test

Try to print a page and verify the print.

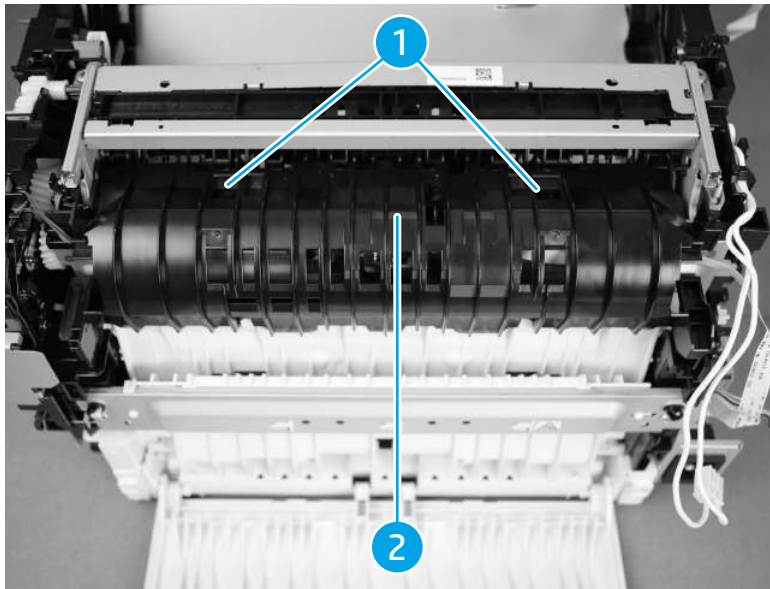
Before proceeding, remove the following parts

- [Remove the front cover \(SFP\) on page 17](#)
- [Remove the left cover \(SFP\) on page 19](#)
- [Remove the right cover \(SFP\) on page 21](#)
- [Remove the top cover assembly and cartridge door assembly \(SFP\) on page 22](#)

Remove the Registration sensor (SFP)

1. Release two tabs (callout 1), and remove the duplex reverse guide (callout 2).

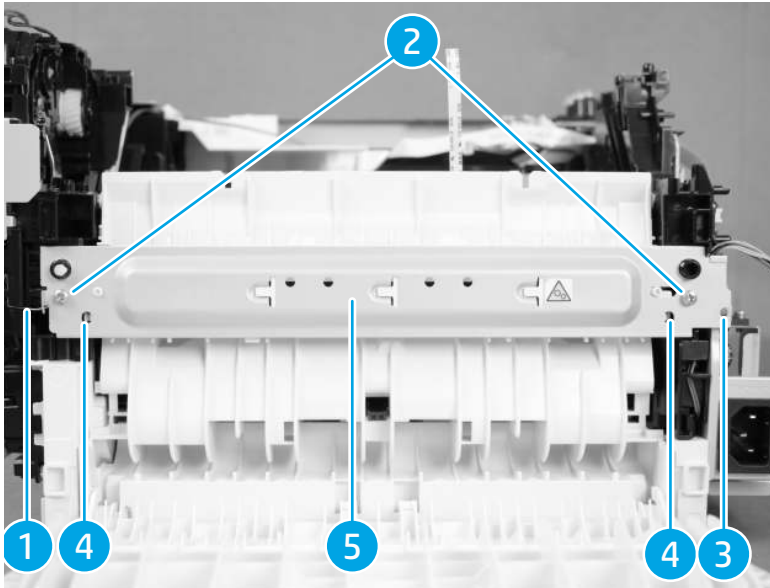
Figure 1-140 Release two tabs



2. Unhook one spring (callout 1), and remove two screws (callout 2).
3. Remove one tapping screw (callout 3), and release two tabs (callout 4).

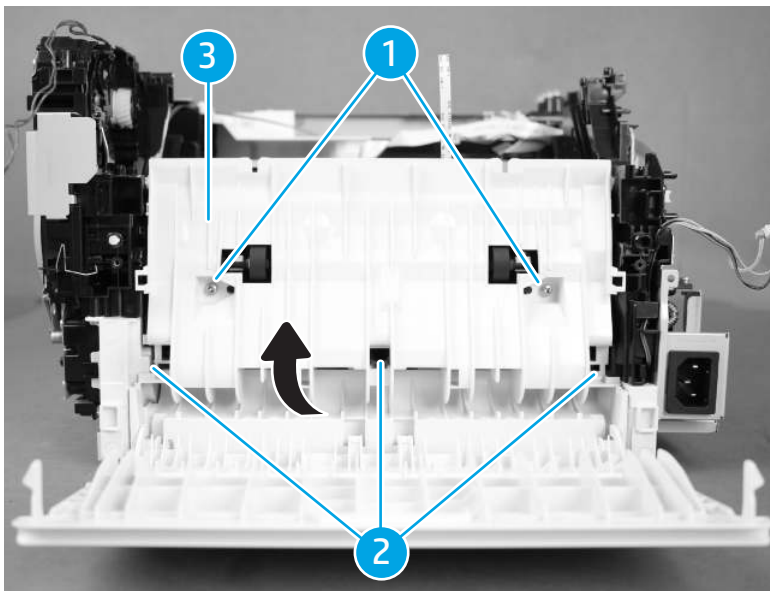
4. Remove the duplex registration guide (callout 5).

Figure 1-141 Remove the duplex registration guide



5. Remove two screws (callout 1), and release three tabs (callout 2).
6. Rotate the duplex feed guide (callout 3) in the direction that the arrow indicates and remove it.

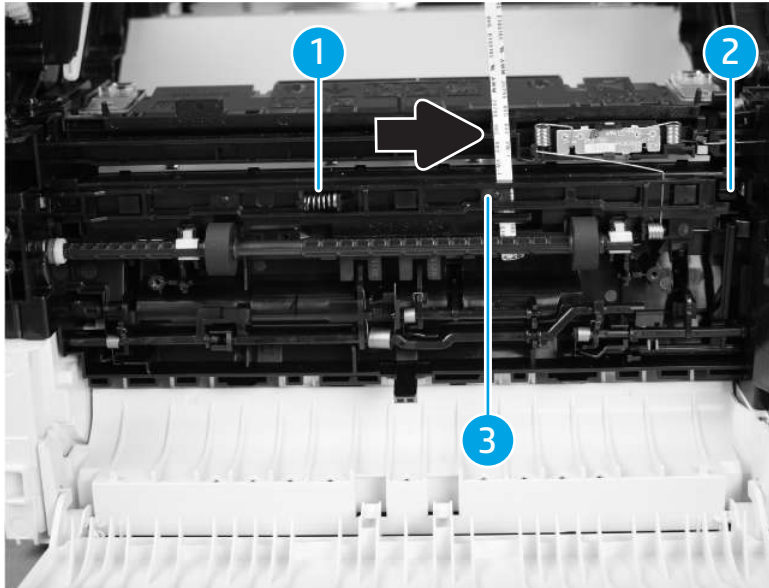
Figure 1-142 Remove the feed guide



7. Unhook one spring (callout 1), remove the bushing (callout 2).

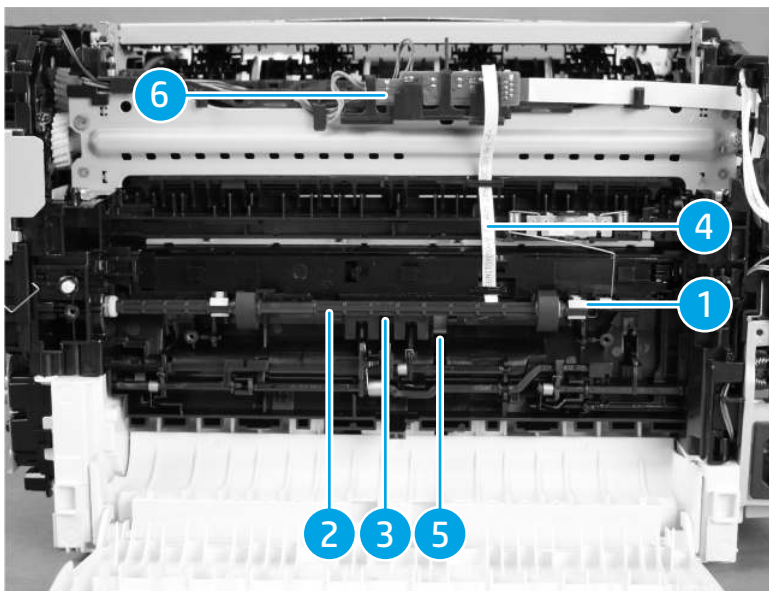
- Slide the slider (callout 3) in the direction that arrow indicates and remove it.

Figure 1-143 Remove the slider



- Pull the bushing (callout 1) toward you to lift the duplex feed roller (callout 2) a little.
- Remove the FFC (callout 4) from the registration sensor PCB (callout 3).
- When replacing the FFC (callout 4), go to step 13.
- Release one tab (callout 5) and remove the registration sensor PCB (callout 3).
- Remove the FFC (callout 4) from the fixing output sensor PCB (callout 6).

Figure 1-144 Remove the FFC

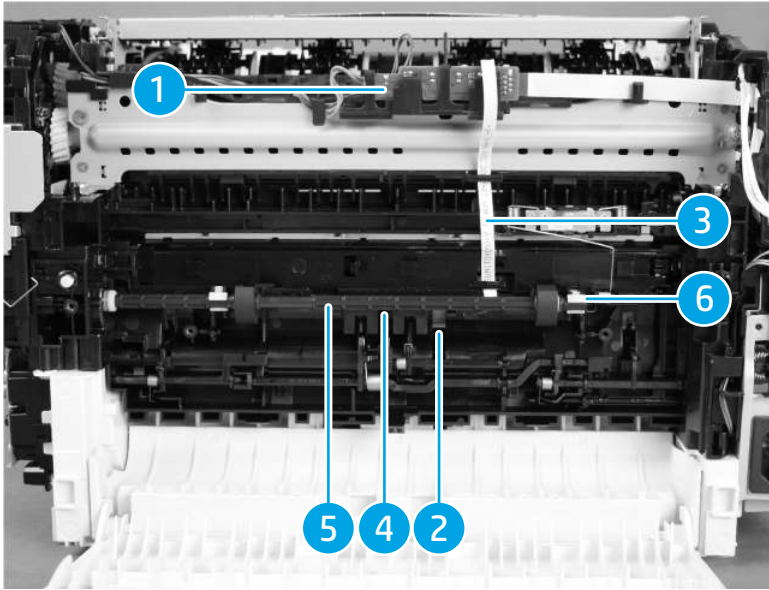


Install the Registration sensor (SFP)

 **TIP:** [Unpack the replacement assembly on page 13.](#)

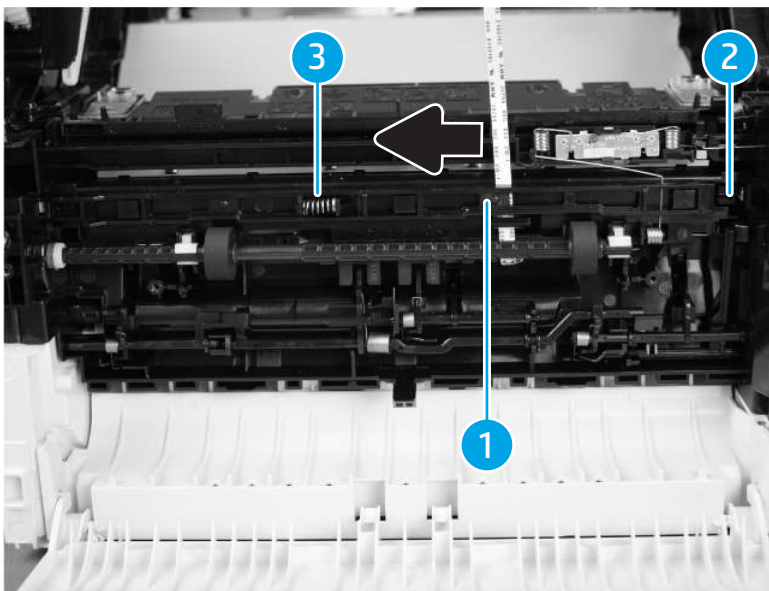
1. Install the FFC (callout 3) to the fuser output sensor PCB (callout 1).
2. Position the Registration sensor PCB (callout 4) and install one tab (callout 2).
3. Install the FFC (callout 3) to the registration sensor PCB (callout 4).
4. Position the duplex feed roller (callout 5) and push the bushing (callout 6).

Figure 1-145 Remove the FFC



5. Slide the slider (callout 1) in the direction that arrow indicates, and install it.
6. Install the bushing (callout 2), and hook one spring (callout 3).

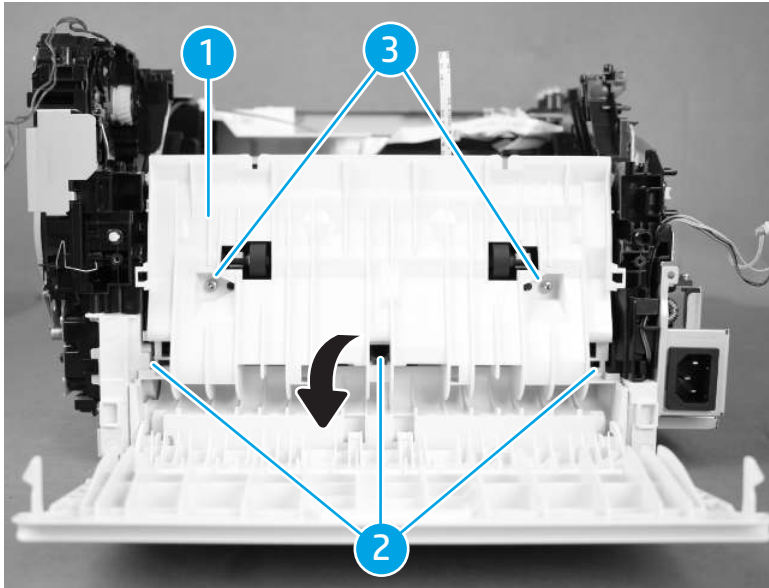
Figure 1-146 Remove the slider



7. Rotate the duplex feed guide (callout 1) in the direction that the arrow indicates to install it.

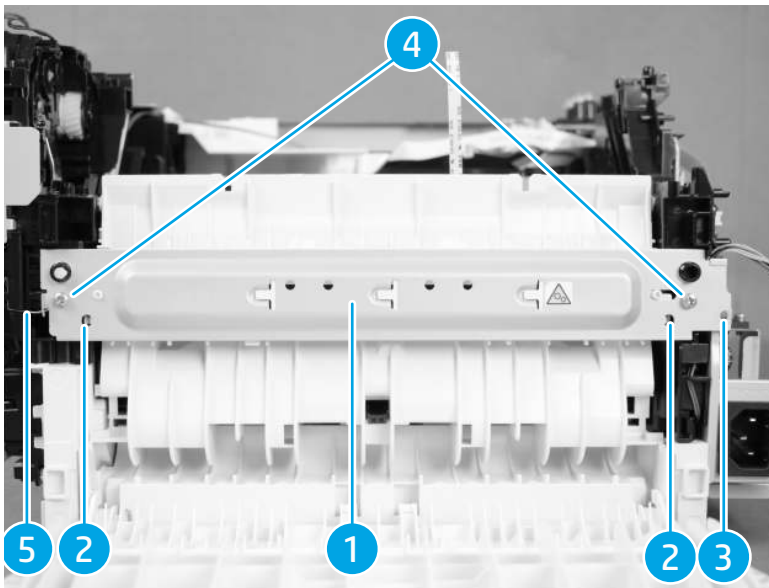
- Engage three tabs (callout 2), and install two screws (callout 3).

Figure 1-147 Install the duplex feed guide



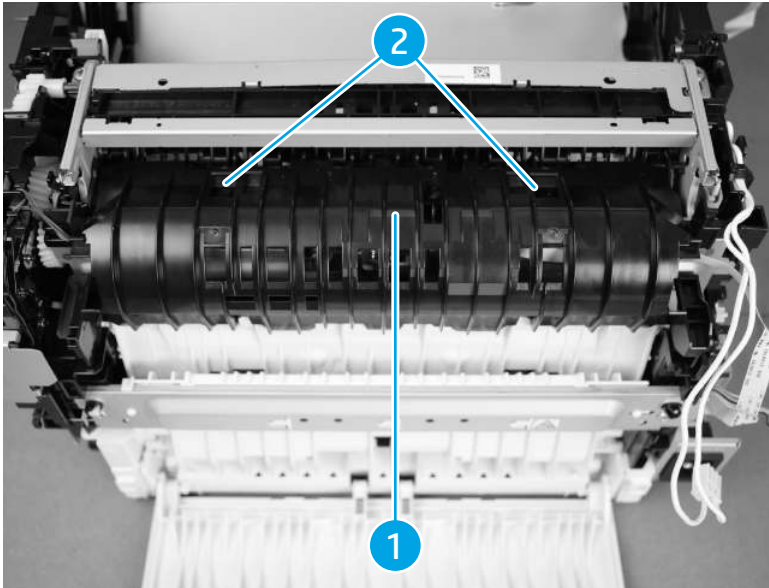
- Install the duplex registration guide (callout 1).
- Install two tabs (callout 2), and install one tapping screw (callout 3).
- Install two screws (callout 4), and hook one spring (callout 5).

Figure 1-148 Install the duplex registration guide



12. Install the duplex reverse guide (callout 1), and engage two tabs (callout 2).

Figure 1-149 Install the duplex reverse guide



After installing the registration sensor (SFP):

- [Install the top cover assembly and cartridge door assembly \(SFP\) on page 26](#)
- [Install the right cover \(SFP\) on page 21](#)
- [Install the left cover \(SFP\) on page 19](#)
- [Install the front cover \(SFP\) on page 17](#)

Removal and replacement: Control Panel PCB

This document provides the procedures to remove and replace the control panel PCB.

Before performing service

Turn the printer power off

- Disconnect the power cable

⚠ WARNING! To avoid damage to the printer, turn the printer off, wait for 30 seconds, and then remove the power cable before attempting to service the printer.

Use the table below to identify the correct part number for your printer. To order the part, go to www.hp.com/buy/parts.

Table 1-30 Part information

Part number	Part description
RK3-1075-000CN	Cable, flat, control panel
RM3-7884-000CN	Control panel PCB assembly
RM3-7886-000CN	Control panel PCB assembly (wireless model)

Required tools

- #2 Phillips screwdriver with a magnetic tip
- Small flat-blade screwdriver

After performing service

Turn the printer power on

- Connect the power cable
- Use the power switch to turn the power on

Post service test

Try to print a page and verify the print.

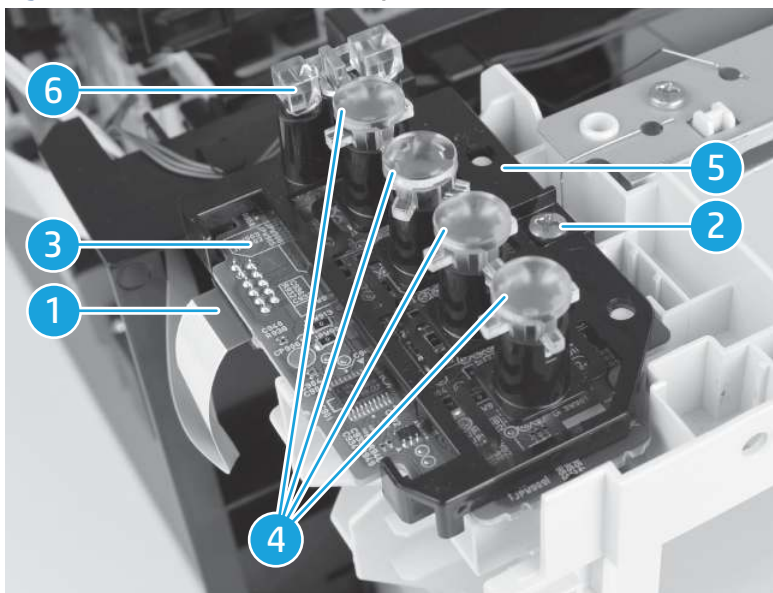
Before proceeding, remove the following parts

- [Remove the front cover \(SFP\) on page 17](#)
- [Remove the left cover \(SFP\) on page 19](#)
- [Remove the right cover \(SFP\) on page 21](#)
- [Remove the top cover assembly and cartridge door assembly \(SFP\) on page 22](#)

Remove the control panel PCB (SFP)

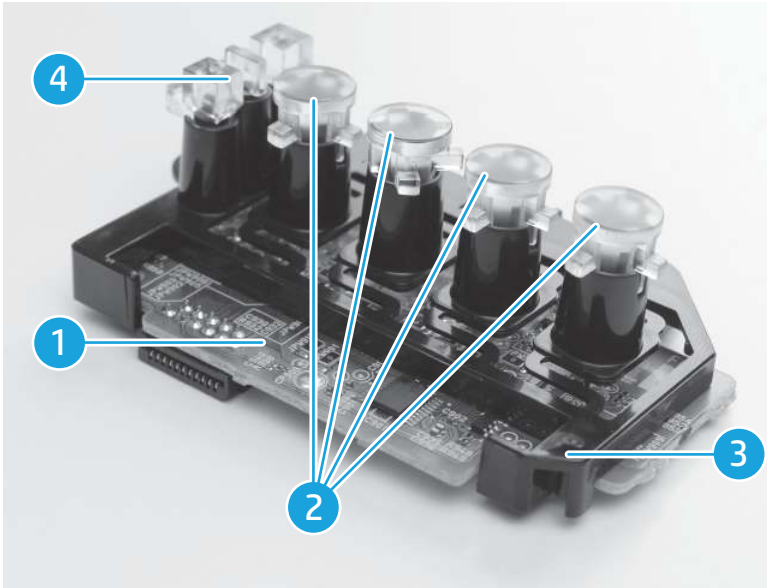
1. Remove the FFC (callout 1) and remove one screw (callout 2).
2. Remove the control panel PCB (callout 3), button (callout 4), button base (callout 5) and light guide (callout 6) together.

Figure 1-150 Remove the control panel PCB



3. Remove the button (callout 2), button base (callout 3) and light guide (callout 4) from the control panel PCB (callout 1).

Figure 1-151 Remove the light guide

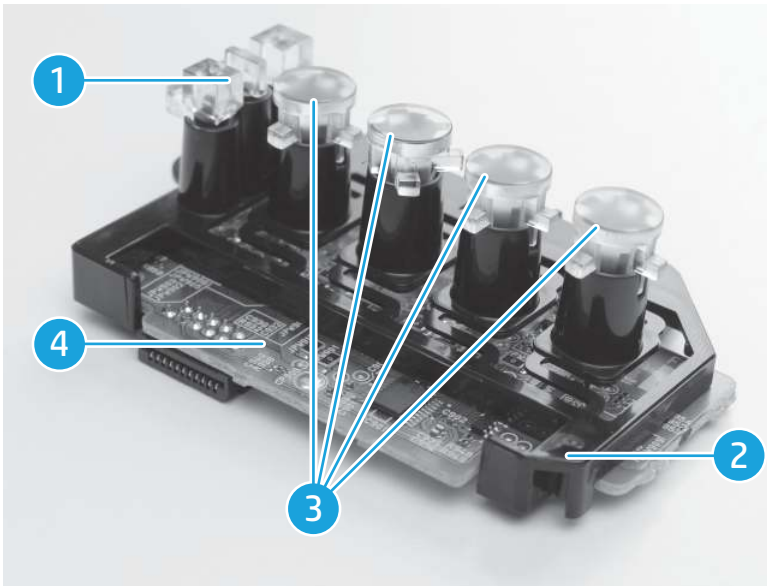


Install the control panel PCB (SFP)

 **TIP:** [Unpack the replacement assembly on page 13.](#)

1. Install the light guide (callout 1), button base (callout 2) and the button (callout 3) to the control panel PCB (callout 4).

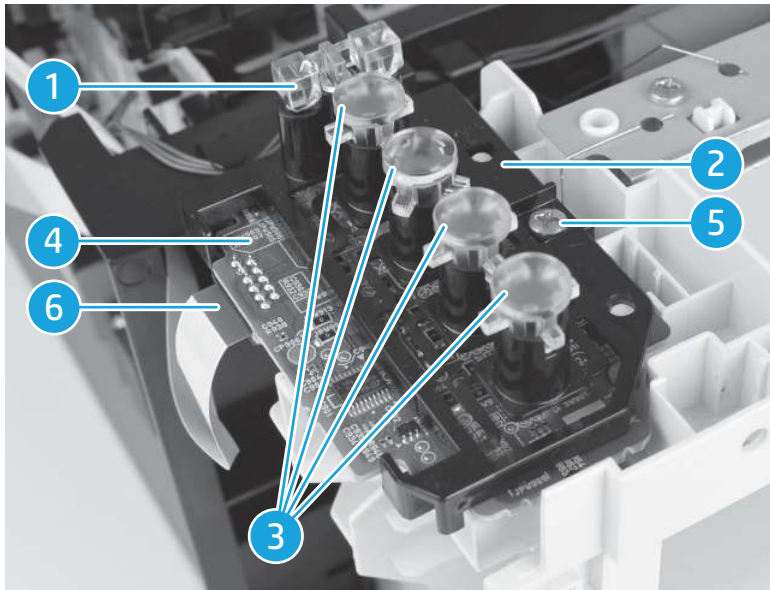
Figure 1-152 Install the light guide



2. Install the light guide (callout 1), button base (callout 2), button (callout 3) and the control panel PCB (callout 4).

3. Install one screw (callout 5) and install the FFC (callout 6).

Figure 1-153 Install one screw



After installing the control panel PCB (SFP)

- [Install the top cover assembly and cartridge door assembly \(SFP\) on page 26](#)
- [Install the right cover \(SFP\) on page 21](#)
- [Install the left cover \(SFP\) on page 19](#)
- [Install the front cover \(SFP\) on page 17](#)

Removal and replacement: Engine Controller PCB (SFP)

This document provides the procedures to remove and replace the engine controller PCB.

Before performing service

Turn the printer power off

- Disconnect the power cable

⚠ WARNING! To avoid damage to the printer, turn the printer off, wait for 30 seconds, and then remove the power cable before attempting to service the printer.

Use the table below to identify the correct part number for your printer. To order the part, go to www.hp.com/buy/parts.

Table 1-31 Part information

Part number	Part description
RM3-8170-000CN	Engine controller PCB assembly (110-127v)
RM3-8171-000CN	Engine controller PCB assembly (except EM model 220-240v)
RM3-8172-000CN	Engine controller PCB assembly (EM model 220-240v)

Required tools

- #2 Phillips screwdriver with a magnetic tip
- Small flat-blade screwdriver

After performing service

Turn the printer power on

- Connect the power cable
- Use the power switch to turn the power on

Post service test

Try to print a page and verify the print.

Before proceeding, remove the following parts

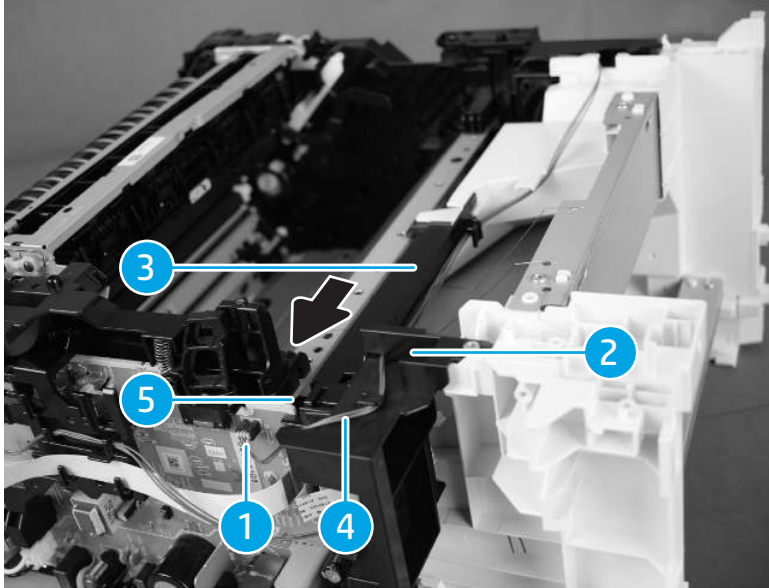
- [Remove the front cover \(SFP\) on page 17](#)
- [Remove the left cover \(SFP\) on page 19](#)
- [Remove the right cover \(SFP\) on page 21](#)
- [Remove the top cover assembly and cartridge door assembly \(SFP\) on page 22](#)
- [Remove the formatter \(SFP\) on page 87](#)
- [Remove the control panel PCB \(SFP\) on page 119](#)

Remove the engine controller (SFP)

1. Disconnect one connector (callout 1).
2. Release the cable (callout 4) from the ECU cover (callout 2) and the duct (callout 3).

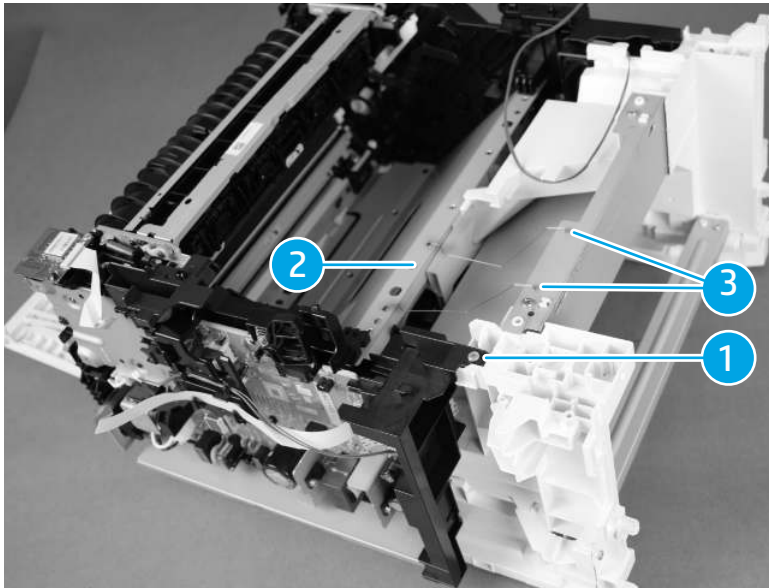
3. Release one tab (callout 5) and slide the duct (callout 3) in the direction that arrow indicates, and remove it.

Figure 1-154 Release one tab



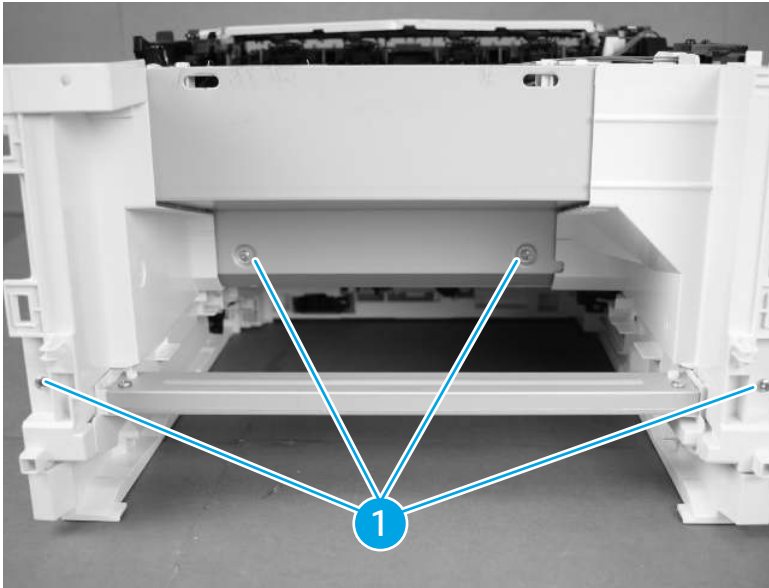
4. Remove one screw (callout 1) and unhook two springs (callout 3) from the plate (callout 2).

Figure 1-155 Remove one screw



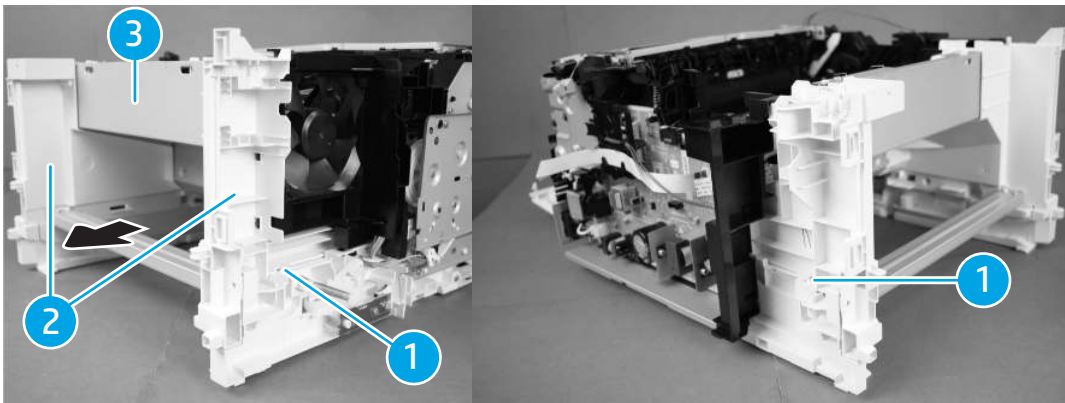
5. Remove four screws (callout 1).

Figure 1-156 Remove four screws



6. Release two tabs (callout 1),
7. Slide the front inner cover (callout 2) and front plate (callout 3) in the direction that arrow indicates, and remove them.

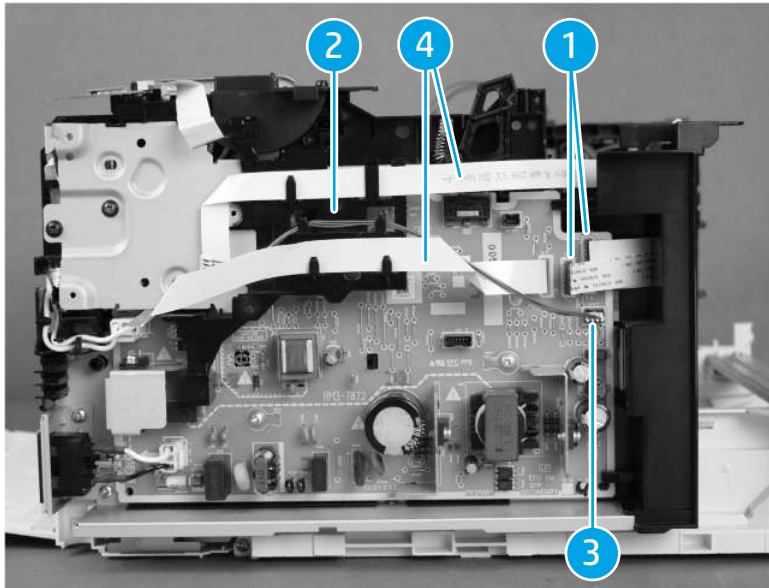
Figure 1-157 Slide the front inner cover



8. Remove two FFCs (callout 1).

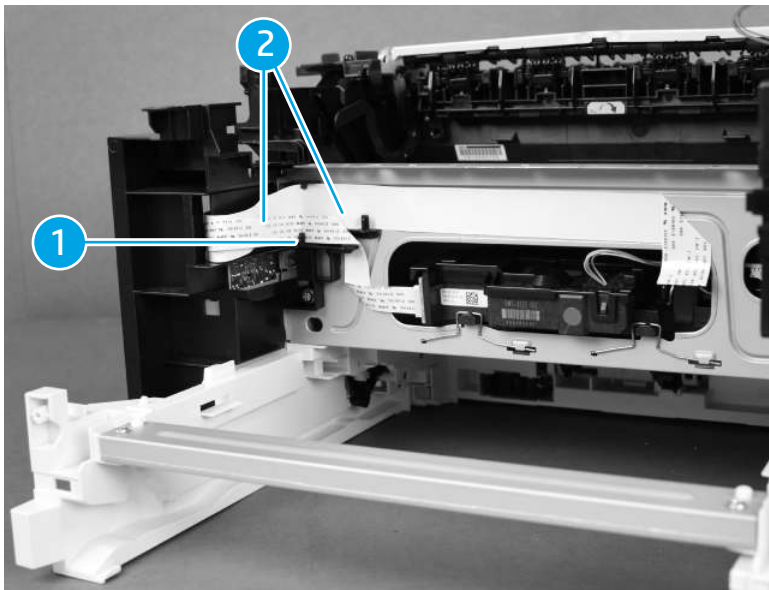
9. Release the cable (callout 3) and FFCs (callout 4) from the cable guide (callout 2).

Figure 1-158 Remove two FFCs



10. Remove FFCs (callout 2) from the ECU cover (callout 1).

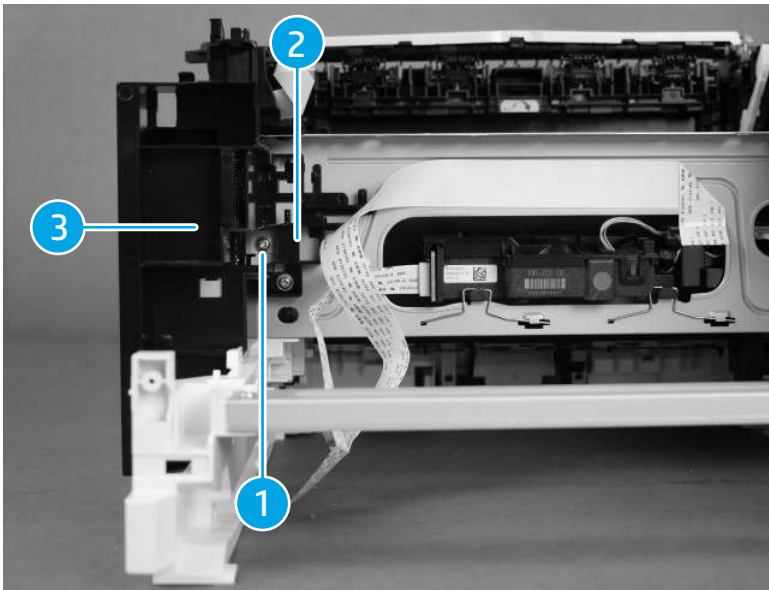
Figure 1-159 Remove the FFCs



11. Remove one screw (callout 1) and release one tab (callout 2).

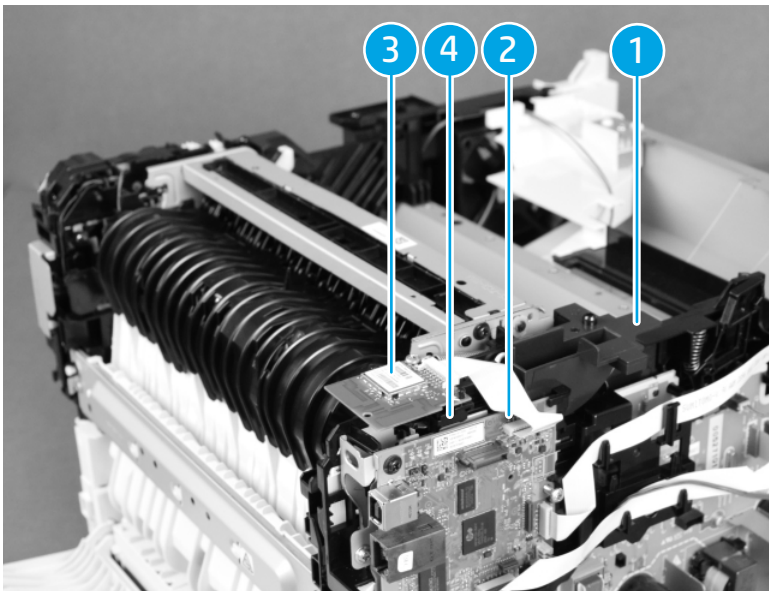
12. Slide the ECU cover (callout 3) upward to remove it.

Figure 1-160 Remove the ECU cover



13. Remove the cartridge keying guide (callout 1) and release one tab (callout 2). (for wireless model only)
14. Remove the Wireless PCB (callout 3) and the Wireless holder (callout 4) together. (for wireless model only)

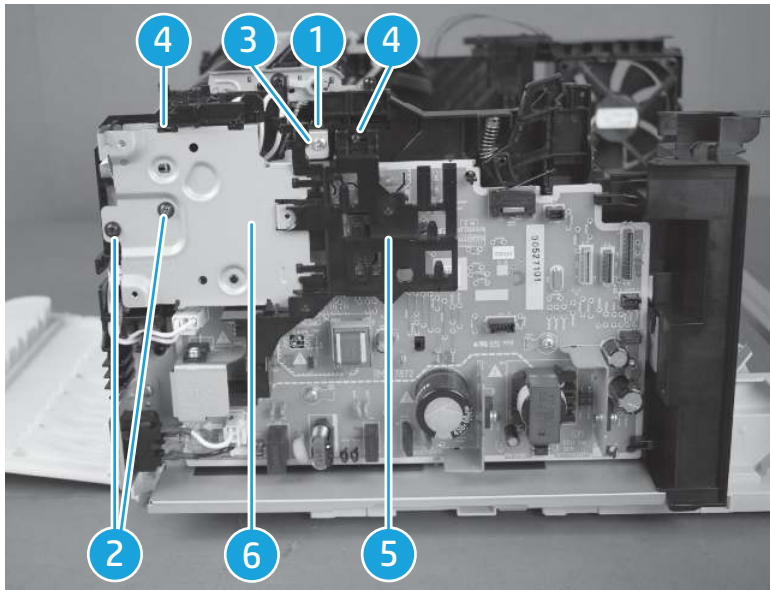
Figure 1-161 Remove the Wireless PCB



15. Remove one screw (callout 1) and remove two black screws (callout 2).
16. Release one boss (callout 3) and release two tabs (callout 4).

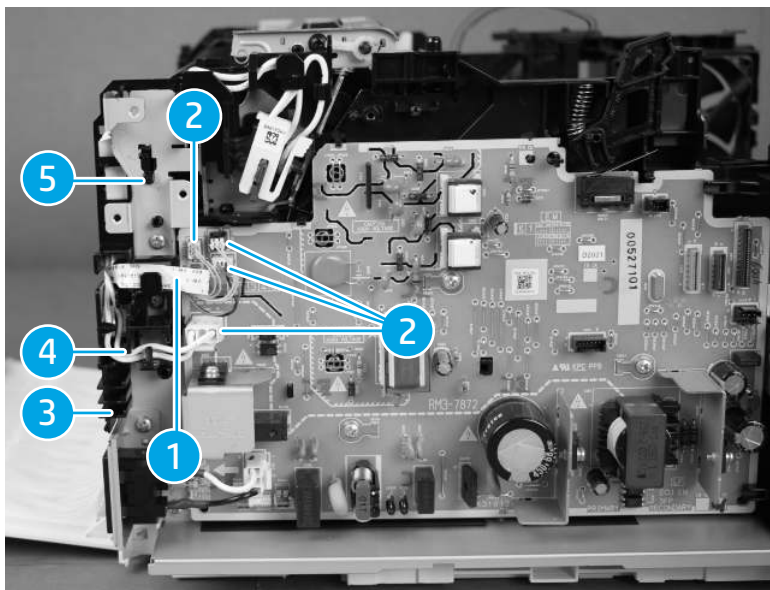
17. Remove the cable guide (callout 5) and the formatter stay (callout 6) together.

Figure 1-162 Remove the cable guide



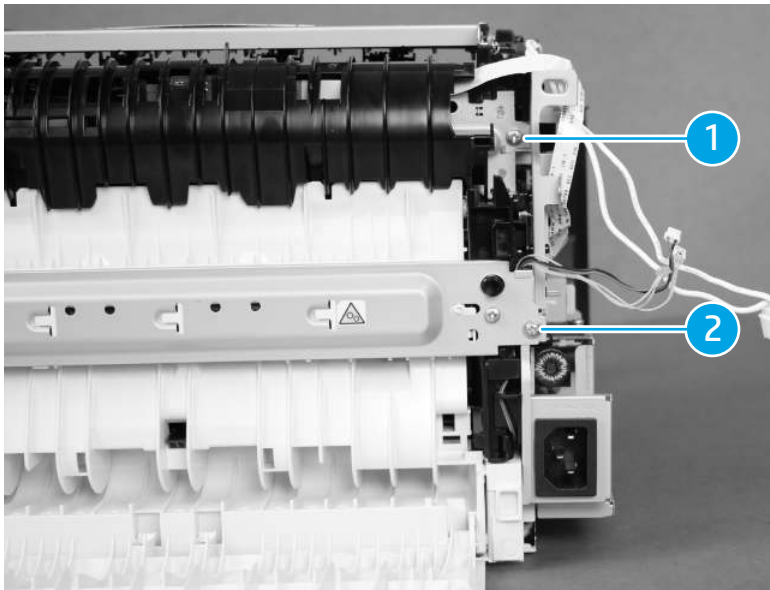
18. Remove the FFC (callout 1) and disconnect four connectors (callout 2).
19. Release the cable (callout 4) and FFC (callout 1) from the cable guide (callout 3).
20. Release one tab (callout 5) and slide the cable guide (callout 3) upward to remove it.

Figure 1-163 Release one tab



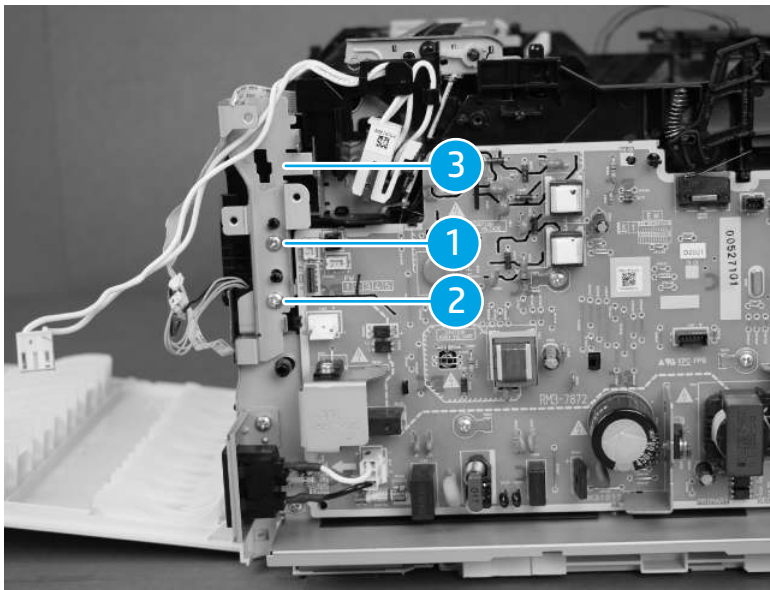
21. Remove one screw with washer (callout 1) and remove one tapping screw (callout 2).

Figure 1-164 Remove one screw



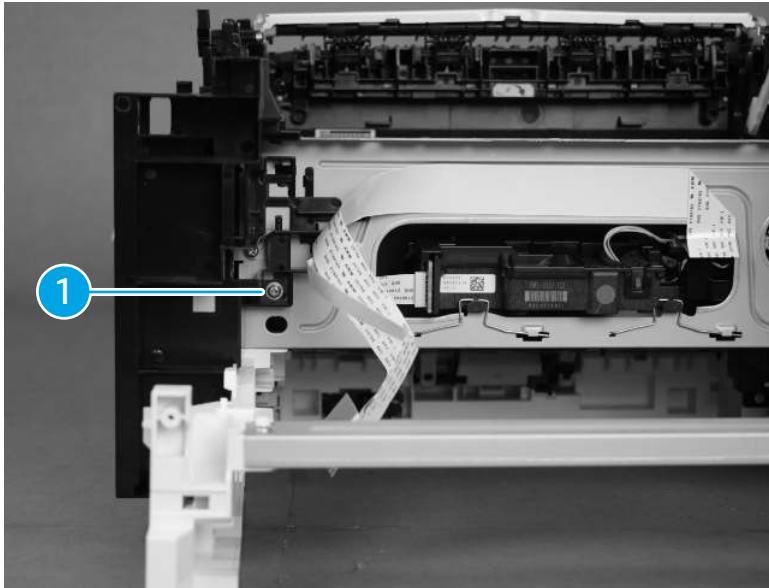
22. Remove one screw (callout 1) and remove one screw with washer (callout 2), and then remove the stay (callout 3).

Figure 1-165 Remove one screw



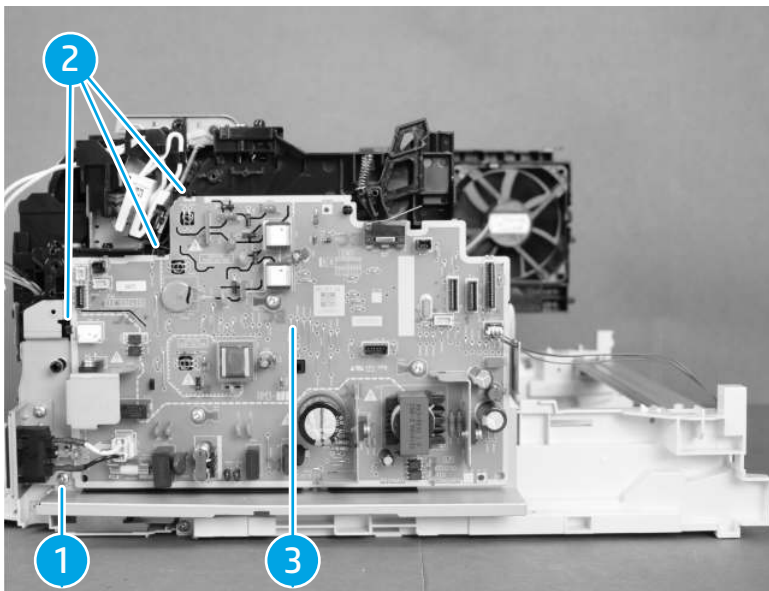
23. Remove one screw (callout 1).

Figure 1-166 Remove one screw



24. Disconnect all connectors on the engine controller PCB and remove one screw (callout 1).
25. Release three tabs (callout 2) and remove the engine controller PCB (callout 3).

Figure 1-167 Remove the engine controller



Install the engine controller (SFP)

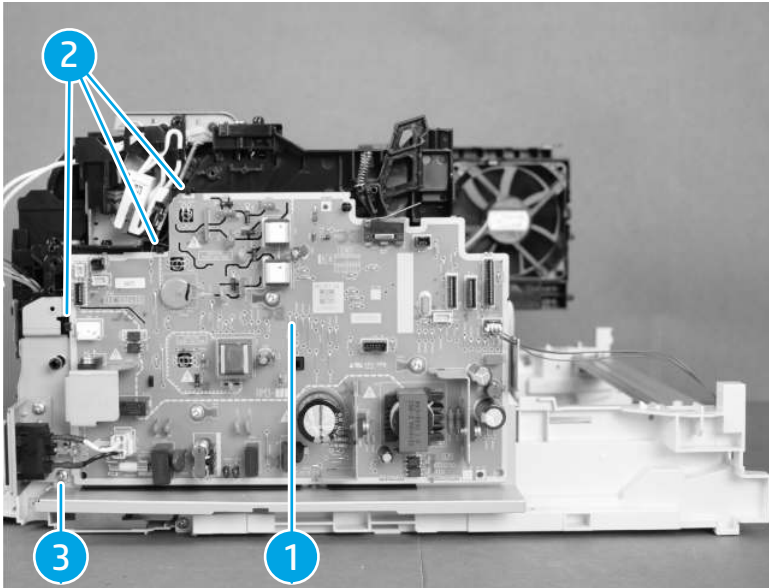
 **TIP:** [Unpack the replacement assembly on page 13.](#)

 **IMPORTANT:** Make sure to re-pair the new engine controller (or formatter) after installing it in the printer. For more information, please see [Yeti repair app on page 6.](#)

1. Position the engine controller PCB (callout 1) and engage three tabs (callout 2).

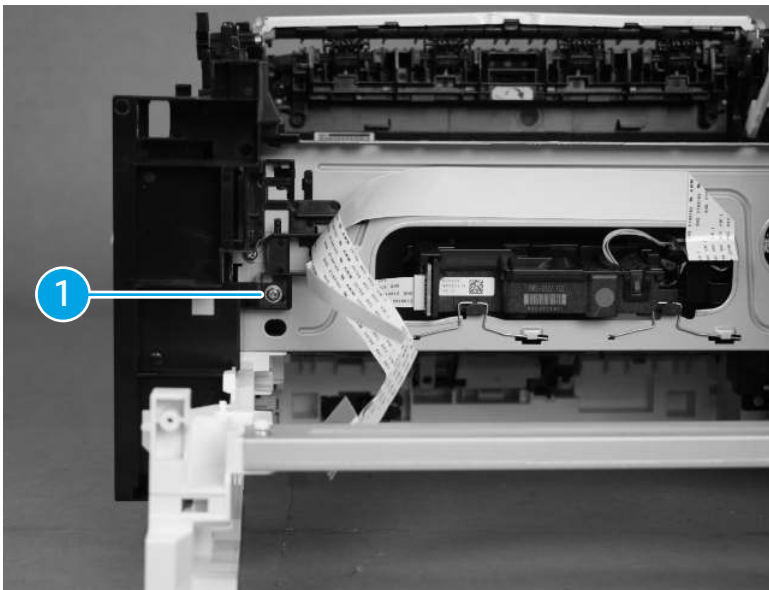
2. Install one screw (callout 3) and connect all connectors on the engine controller PCB.

Figure 1-168 Install the engine controller



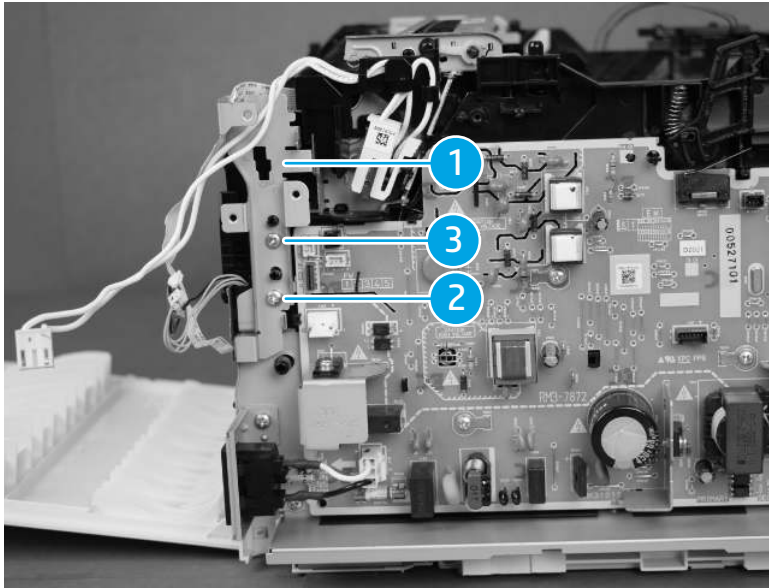
3. Install one screw (callout 1).

Figure 1-169 Install one screw



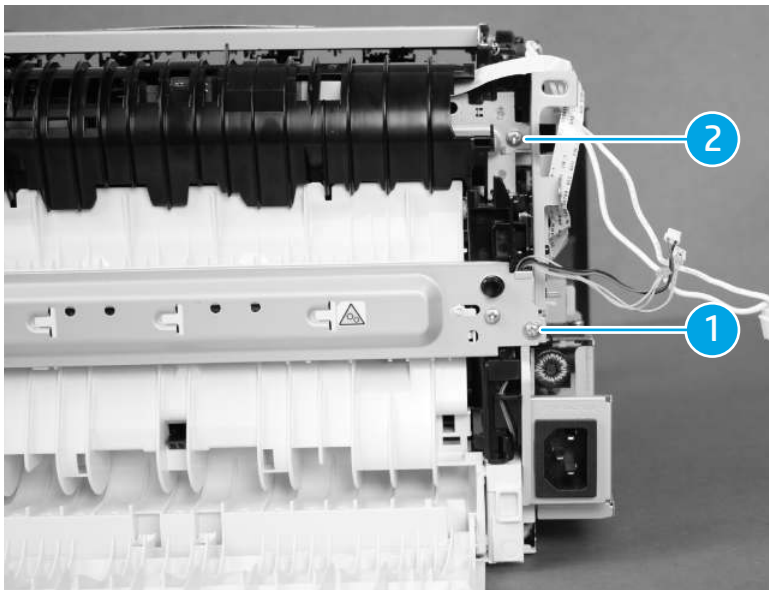
4. Position the stay (callout 1) and install once screw with the washer (callout 2) and then install one screw (callout 3).

Figure 1-170 Install one screw



5. Install one tapping screw (callout 1) and install one screw (callout 2).

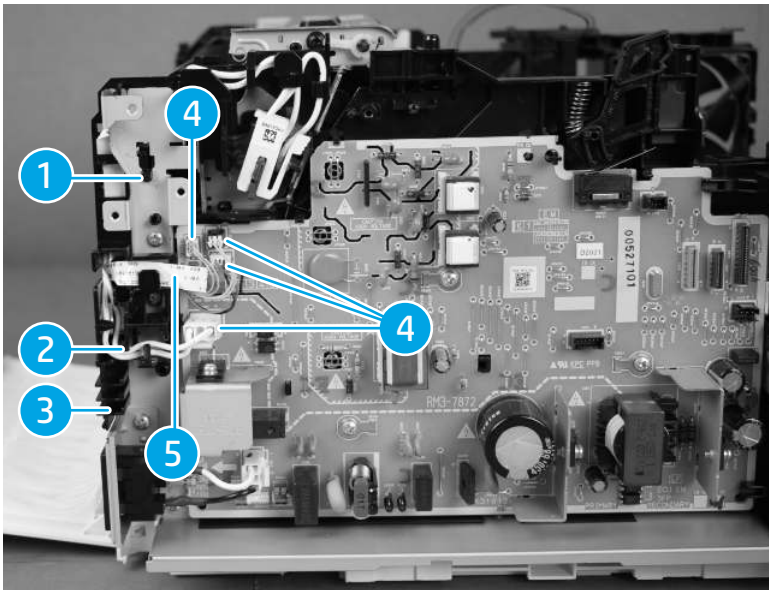
Figure 1-171 Install one screw



6. Slide the cable guide (callout 3) downward to install it and engage one tab (callout 1).
7. Install the cable (callout 2) and FFC (callout 5) to the cable guide (callout 3).

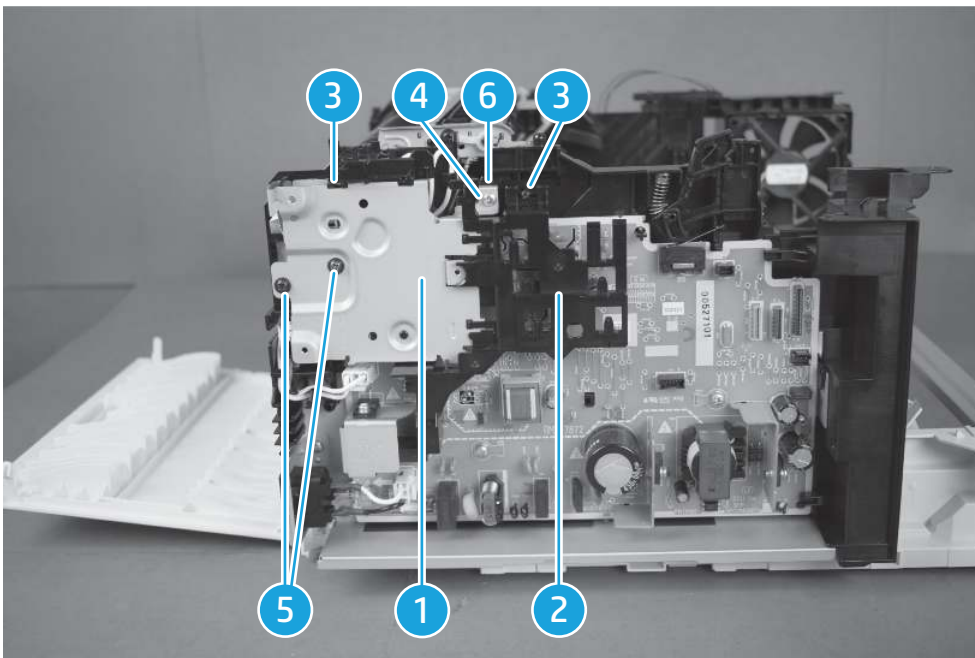
8. Connect four connectors (callout 4) and install the FFC (callout 5).

Figure 1-172 Connect four connectors



9. Install the formatter stay (callout 1) and the cable guide (callout 2) together.
10. Engage two tabs (callout 3) and engage one boss (callout 4).
11. Install two black screws (callout 5 and install one screw (callout 6).

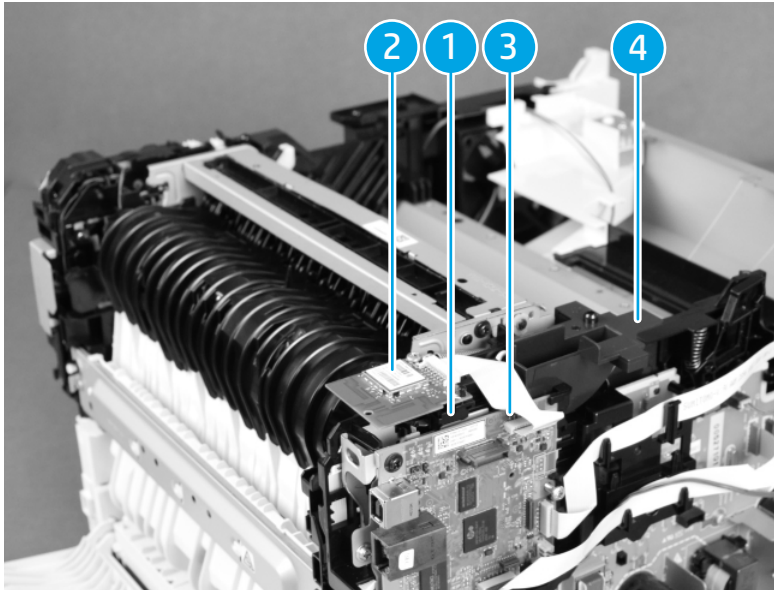
Figure 1-173 Install one screw



12. Position the Wireless holder (callout 1) and install the Wireless PCB (callout 2) together. (for wireless model only).

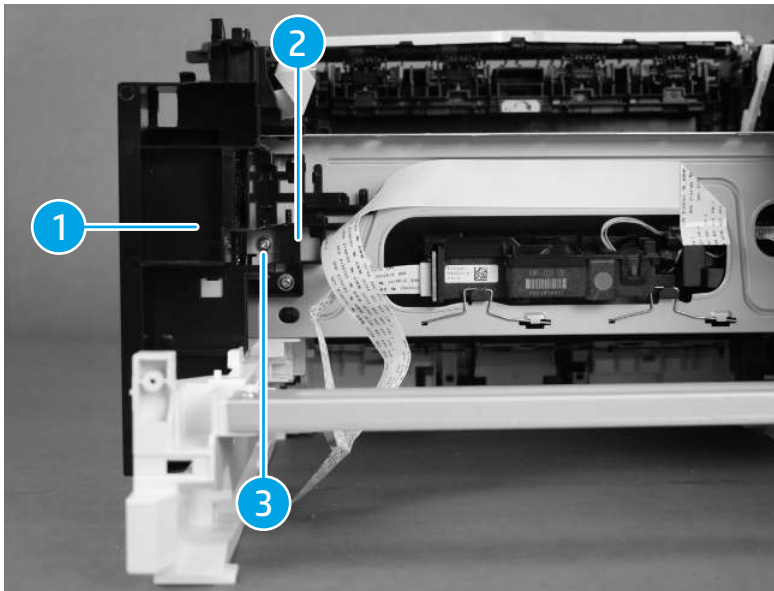
- Engage one tab (callout 3) and install the cartridge keying guide (callout 4). (for wireless model only)

Figure 1-174 Engage one tab



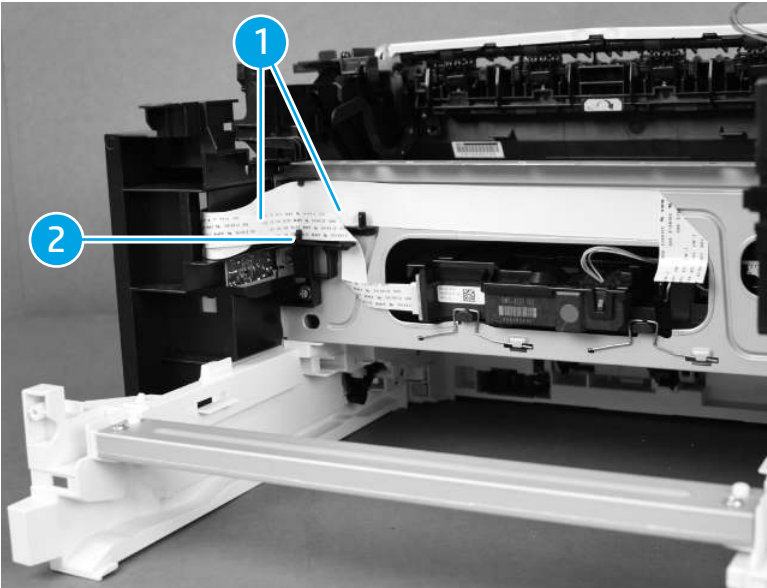
- Slide the ECU cover (callout 1) downward to install it.
- Engage one tab (callout 2) and install one screw (callout 3).

Figure 1-175 Engage one tab



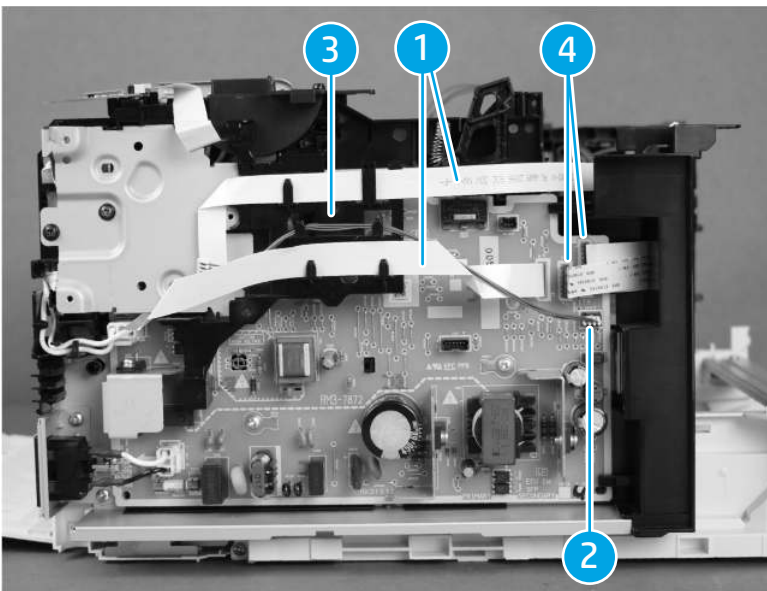
16. Install the FFCs (callout 2) to the ECU cover (callout 1)

Figure 1-176 Install the FFCs



17. Install the FFCs (callout 1) and the cable (callout 2) to the cable guide (callout 3).
18. Install two FFCs (callout 4).

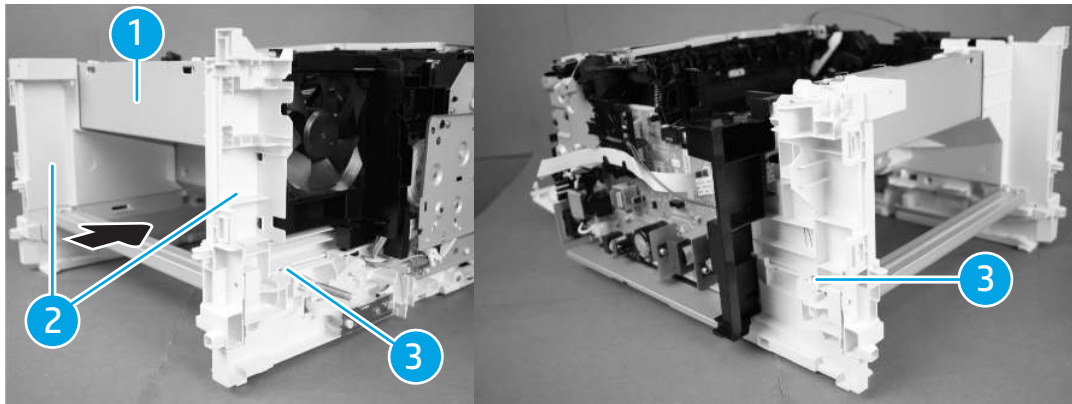
Figure 1-177 Install two FFCs



19. Slide the front plate (callout 1) and the front inner cover (callout 2) in the direction that arrow indications and install them.

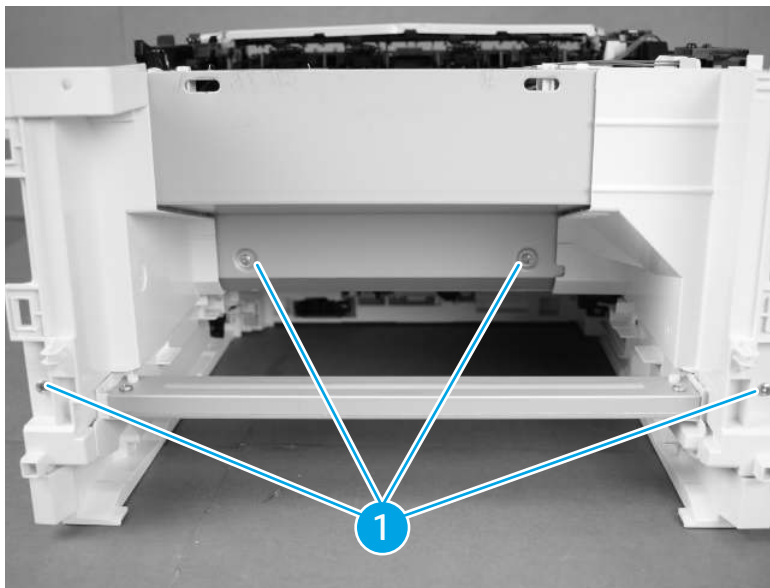
20. Engage two tabs (callout 3).

Figure 1-178 Engage two tabs



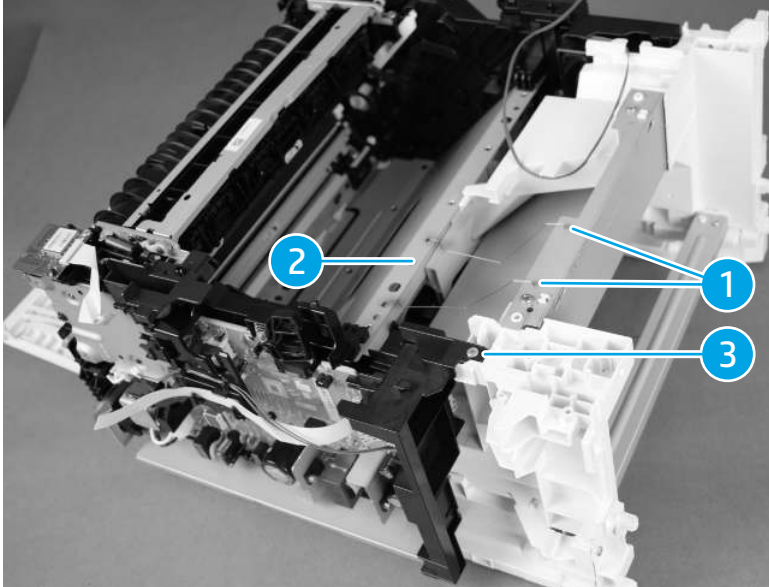
21. Install four screws (callout 1).

Figure 1-179 Install four screws



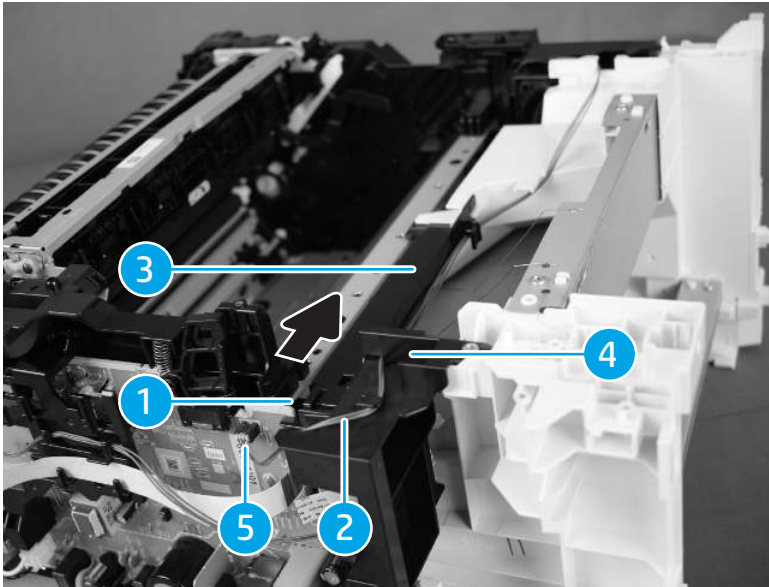
- Hook two springs (callout 1) to the plate (callout 2) and install one screw (callout 3).

Figure 1-180 Hook two springs



- Install one tab (callout 1) and slide the duct (callout 3) in the direction that arrow indicates and install it.
- Connect the cable (callout 2) to the ECU cover (callout 4) and the duct (callout 3).
- Connect one connector (5).

Figure 1-181 Connect one connector



After installing the engine controller (SFP):

- [Install the control panel PCB \(SFP\) on page 120](#)
- [Install the formatter \(SFP\) on page 88](#)

- [Install the top cover assembly and cartridge door assembly \(SFP\) on page 26](#)
- [Install the right cover \(SFP\) on page 21](#)
- [Install the left cover \(SFP\) on page 19](#)
- [Install the front cover \(SFP\) on page 17](#)

Removal and replacement: Tray 1 pick-up roller and Tray 1 feed roller

This document provides the procedures to remove and replace the tray 1 pick-up roller and tray 1 feed roller.

Before performing service

Turn the printer power off

- Disconnect the power cable

⚠ WARNING! To avoid damage to the printer, turn the printer off, wait for 30 seconds, and then remove the power cable before attempting to service the printer.

Use the table below to identify the correct part number for your printer. To order the part, go to www.hp.com/buy/parts.

Table 1-32 Part information

Part number	Part description
RM2-2695-000CN	Paper pick-up roller assembly

Required tools

- No special tools are needed to remove or install this assembly

After performing service

Turn the printer power on

- Connect the power cable
- Use the power switch to turn the power on

Post service test

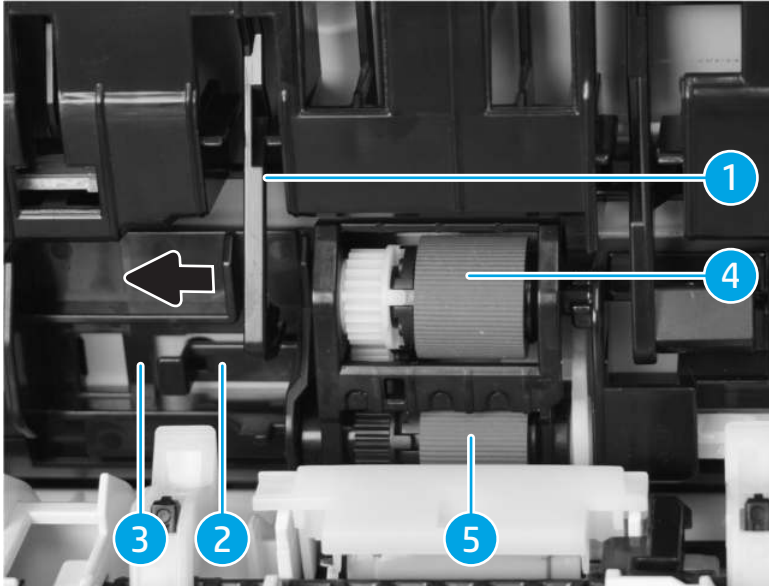
Try to print a page and verify the print.

Remove the Tray 1 pick-up roller/tray 1 feed roller

1. Place the printer with the rear side down and flex the hook of the lifter sensor flag (callout 1) towards you.
2. Release one tab (callout 2) and slide the roller holder (callout 3) in the direction that arrow indicates, and then remove it.

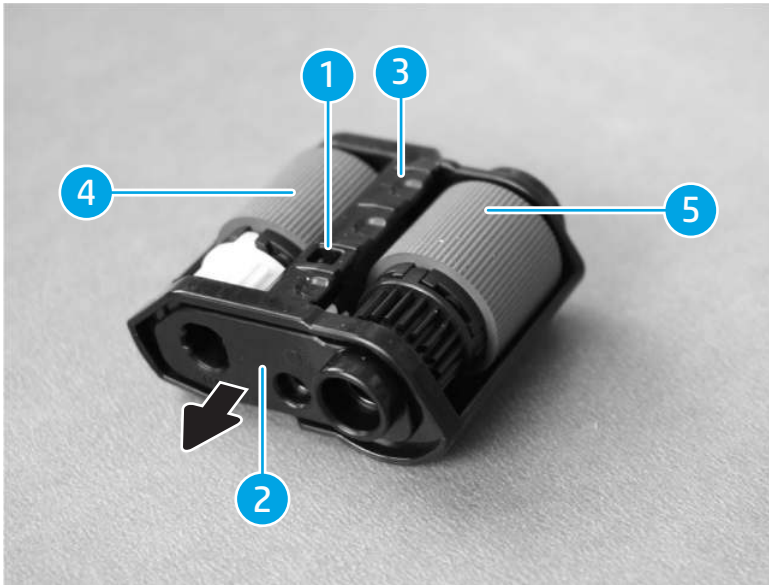
3. Slide the tray 1 pick-up roller (callout 4) and the tray 1 feed roller (callout 5) in the direction that arrow indicates, and then remove them together.

Figure 1-182 Remove the tray 1 pick-up roller



4. Release one tab (callout 1) and slide the pick-up pin (callout 2) in the direction that arrow indicates, and then remove it.
5. Remove the tray 1 pick-up roller (callout 4) from the roller holder (callout 3).
6. Remove the tray 1 feed roller (callout 5) from the roller holder (callout 3).

Figure 1-183 Remove the tray 1 feed roller



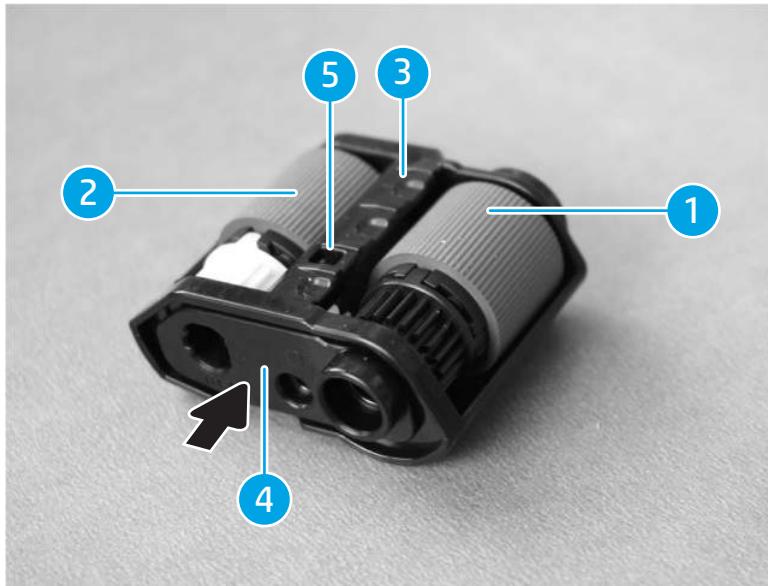
Install the tray 1 pick-up roller and tray 1 feed roller

 **TIP:** [Unpack the replacement assembly on page 13.](#)

1. Install the tray 1 feed roller (callout 1) to the roller holder (callout 3).

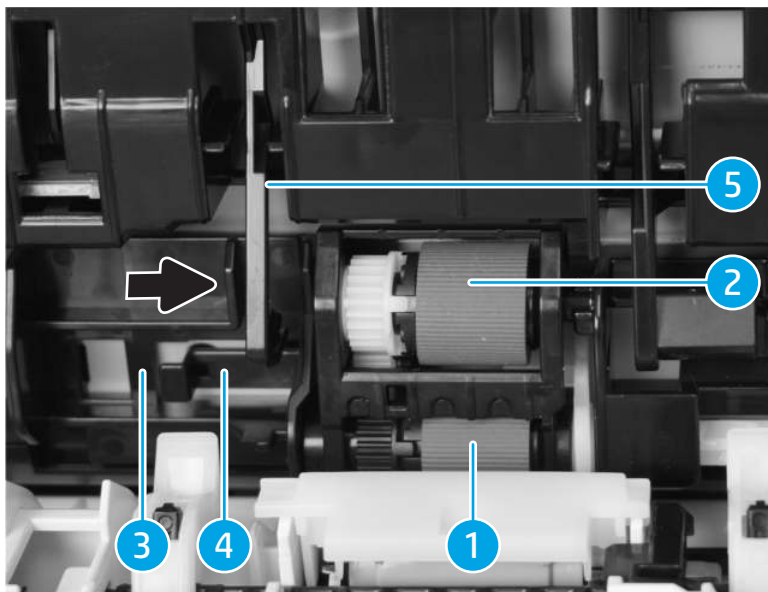
2. Install the tray 1 pick-up roller (callout 2) to the roller holder (callout 3).
3. Slide the pick-up pin (callout 4) in the direction the arrow indicates and install it and then engage one tab (callout 5).

Figure 1-184 Install the tray 1 feed roller



4. Slide the tray 1 feed roller (callout 1) and the tray 1 pick-up roller (callout 2) in the direction the arrow indicates, and then install them together.
5. Slide the roller holder (callout 3) in the direction the arrow indicates to install it and engage one tab (callout 4).
6. Flex the hook of the lifter sensor flag (callout 5) and push it upwards to engage the hook, and then place the printer back to the original position.

Figure 1-185 Install the pick roller



Removal and replacement: Tray 1 separation roller

This document provides the procedures to remove and replace the tray 1 separation roller.

Before performing service

Turn the printer power off

- Disconnect the power cable

⚠ WARNING! To avoid damage to the printer, turn the printer off, wait for 30 seconds, and then remove the power cable before attempting to service the printer.

Use the table below to identify the correct part number for your printer. To order the part, go to www.hp.com/buy/parts.

Table 1-33 Part information

Part number	Part description
RM2-2692-000CN	Separation roller assembly

Required tools

- #2 Phillips screwdriver with a magnetic tip
- Small flat-blade screwdriver

After performing service

Turn the printer power on

- Connect the power cable
- Use the power switch to turn the power on

Post service test

Try to print a page and verify the print.

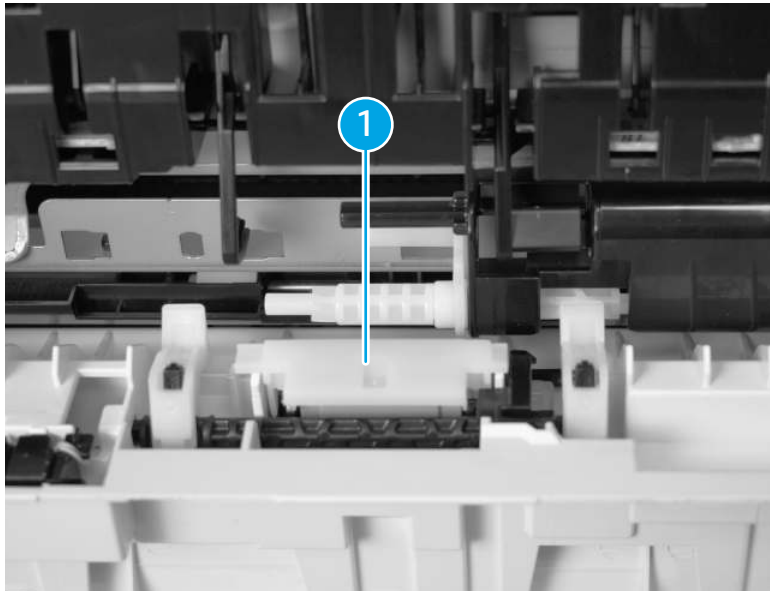
Before proceeding, remove the following parts

- [Removal and replacement: Tray 1 pick-up roller and Tray 1 feed roller on page 137](#)

Remove the Tray 1 separation roller

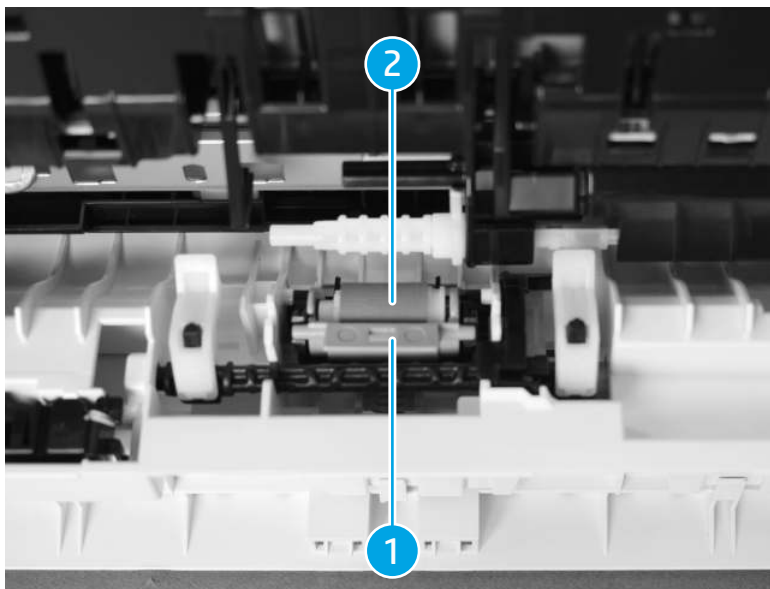
1. Hold up the separation roller cover (callout 1).

Figure 1-186 Hold up the tray 1 separation roller



2. Hold up the tray 1 separation roller (callout 2) together with the separation roller holder (callout 1) and remove them.

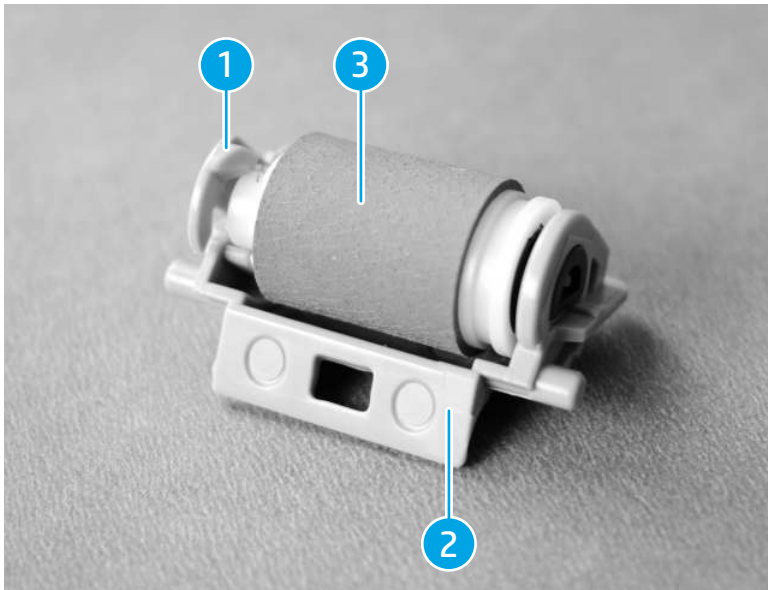
Figure 1-187 Hold the separation roller holder



3. Release one tab (callout 1).

4. Remove the tray 1 separation roller (callout 3) from the separation roller holder (callout 2).

Figure 1-188 Remove the separation roller

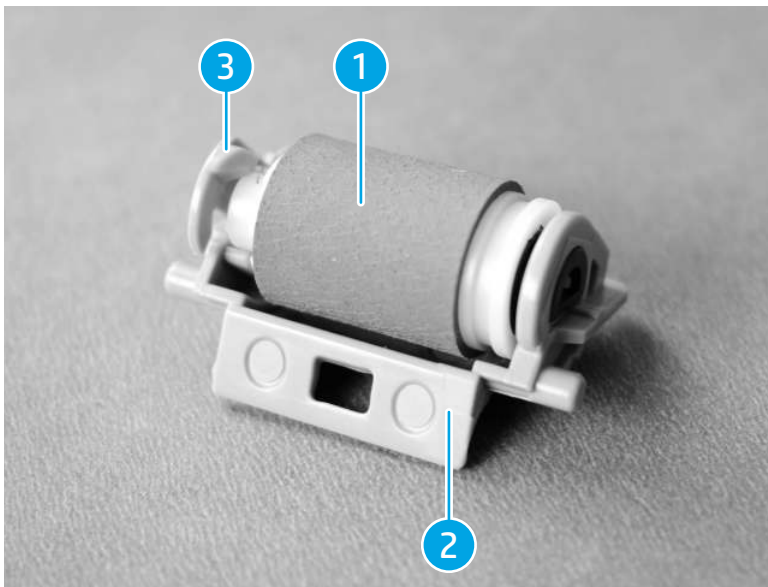


Install the Tray 1 separation roller

 **TIP:** [Unpack the replacement assembly on page 13.](#)

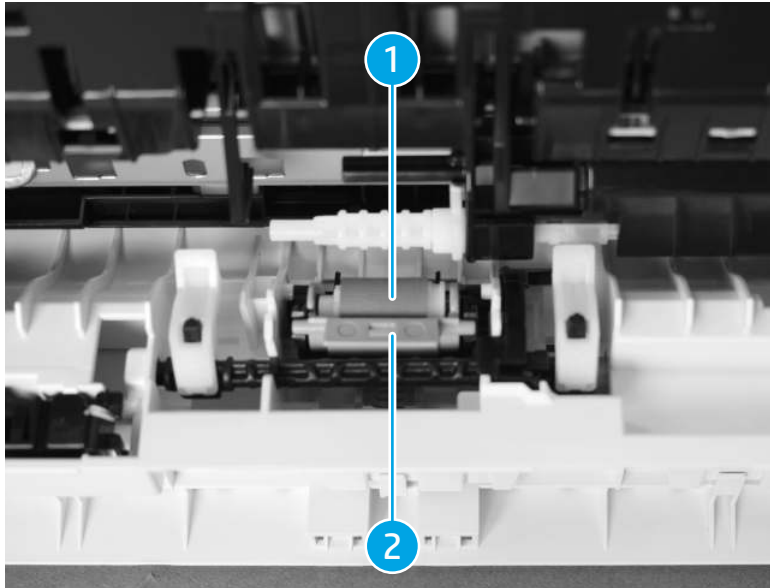
1. Install the tray 1 separation roller (callout 1) to the separation roller holder (callout 2).
2. Engage one tab (callout 3).

Figure 1-189 Install the separation roller



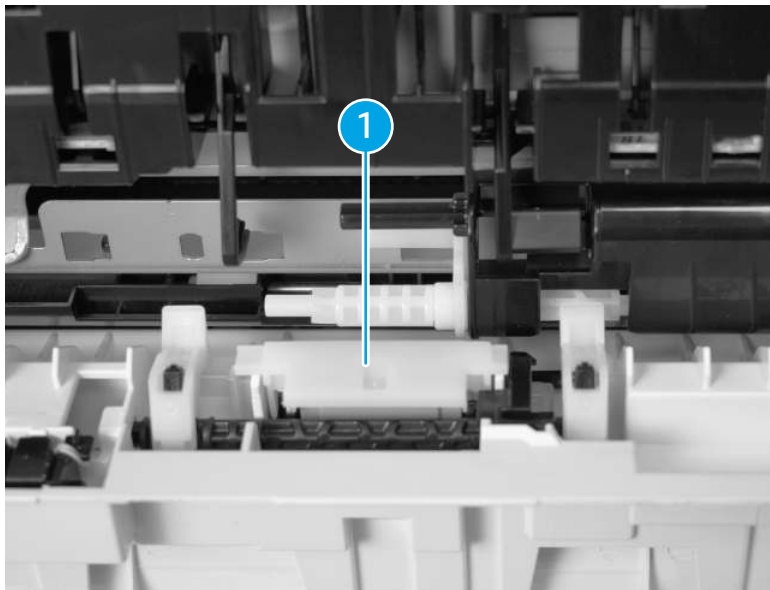
3. Press the tray 1 separation roller (callout 1) with the separation roller holder (callout 2) together to install it.

Figure 1-190 Install the separation roller holder



4. Hold down the separation roller cover (callout 1).

Figure 1-191 Install the separation roller



After installing the Tray 1 separation roller:

- [Install the tray 1 pick-up roller and tray 1 feed roller on page 212](#)

Removal and replacement: Transfer roller

This document provides the procedures to remove and replace the transfer roller.

Before performing service

Turn the printer power off

- Disconnect the power cable

⚠ WARNING! To avoid damage to the printer, turn the printer off, wait for 30 seconds, and then remove the power cable before attempting to service the printer.

Use the table below to identify the correct part number for your printer. To order the part, go to www.hp.com/buy/parts.

Table 1-34 Part information

Part number	Part description
RM2-2039-000CN	Transfer roller

Required tools

- #2 Phillips screwdriver with a magnetic tip
- Small flat-blade screwdriver

After performing service

Turn the printer power on

- Connect the power cable
- Use the power switch to turn the power on

Post service test

Try to print a page and verify the print.

Remove the Transfer roller

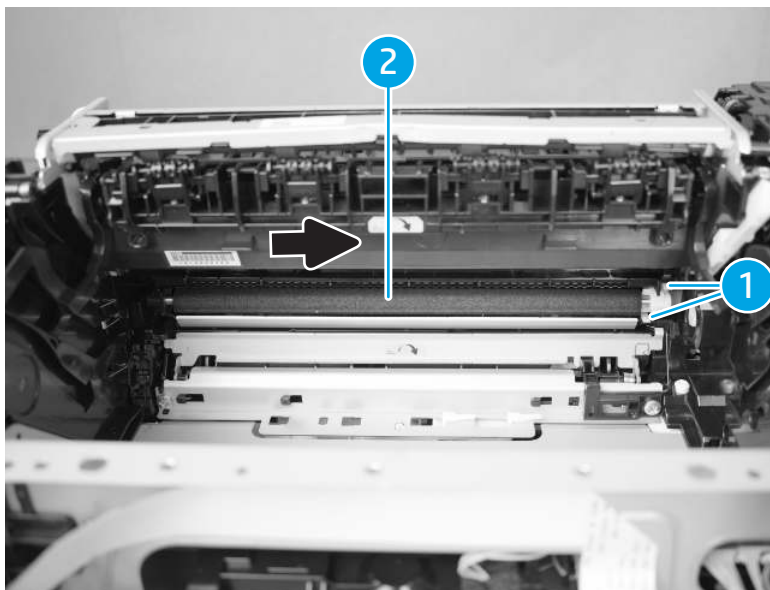
1. Open the cartridge door assembly.

Figure 1-192 Open the cartridge door



2. Pinch two tabs (callout 1) and pull out the transfer roller (callout 2).
3. Slide the transfer roller (callout 2) in the direction the arrow indicates and remove it.

Figure 1-193 Remove the transfer roller

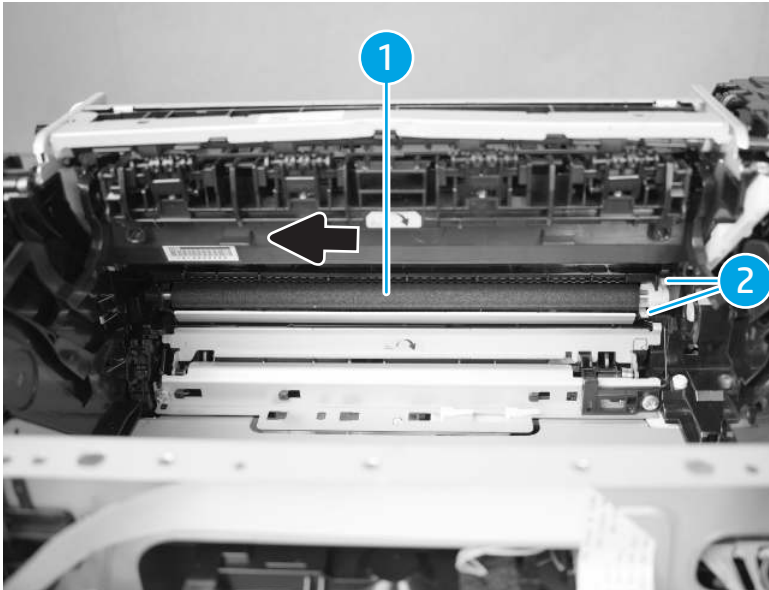


Install the transfer roller

 **TIP:** [Unpack the replacement assembly on page 13.](#)

1. Align the transfer roller (callout 1) in the direction the arrow indicates and press two tabs (callout 2).

Figure 1-194 Install the transfer roller



2. Close the cartridge door assembly.

Figure 1-195 Close the cartridge door



Removal and replacement: Face-down roller

This document provides the procedures to remove and replace the face-down roller.

Before performing service

Turn the printer power off

- Disconnect the power cable

⚠ WARNING! To avoid damage to the printer, turn the printer off, wait for 30 seconds, and then remove the power cable before attempting to service the printer.

Use the table below to identify the correct part number for your printer. To order the part, go to www.hp.com/buy/parts.

Table 1-35 Part information

Part number	Part description
RM2-3320-000CN	Face-down roller assembly

Required tools

- #2 Phillips screwdriver with a magnetic tip
- Small flat-blade screwdriver

After performing service

Turn the printer power on

- Connect the power cable
- Use the power switch to turn the power on

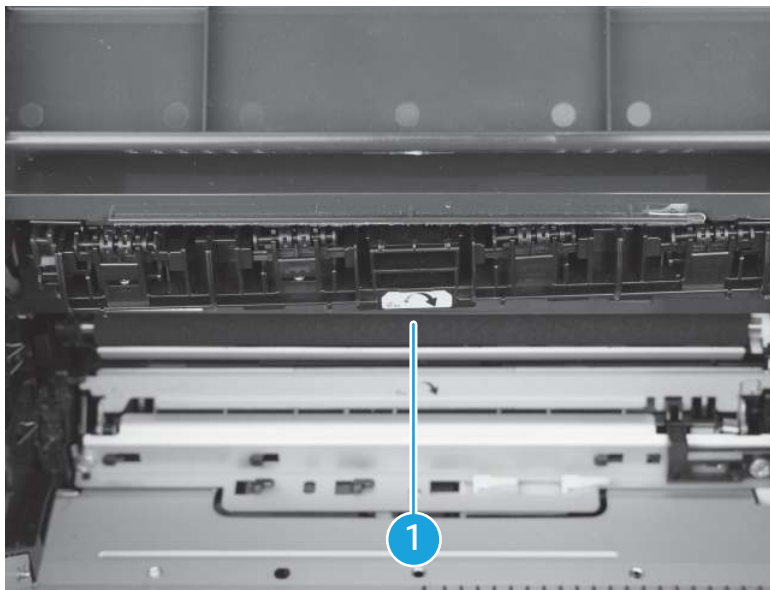
Post service test

Try to print a page and verify the print.

Remove the face-down roller

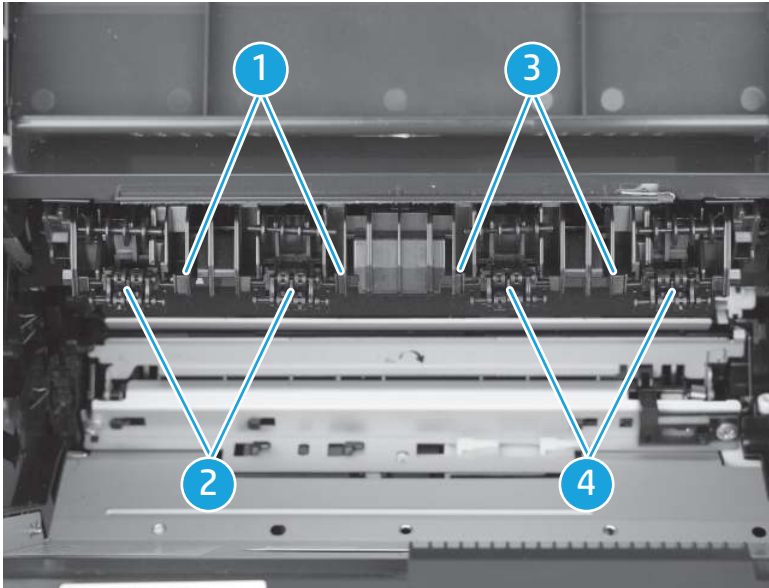
1. Open the cartridge door and open the FD guide (callout 1).

Figure 1-196 Open the FD guide



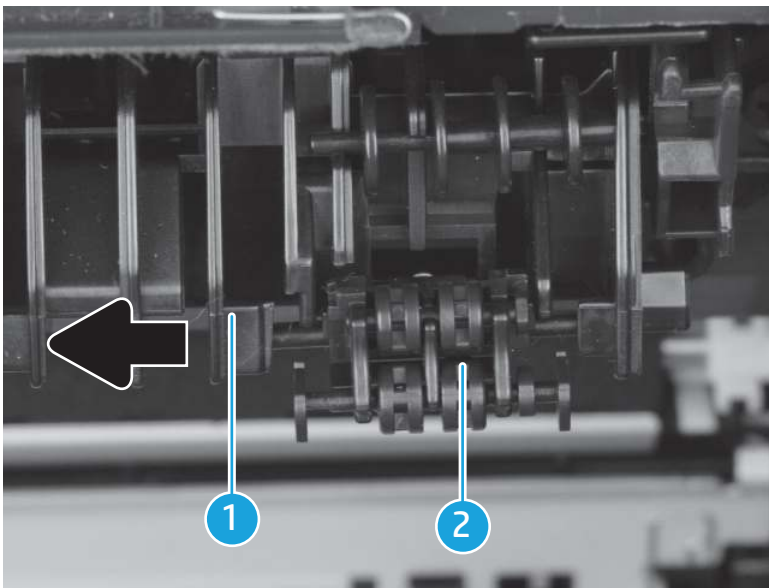
2. Access the rib (callout 1) to remove the left face-down roller (callout 2) and similar way access the rib (callout 3) to remove the right face-down roller (callout 4).

Figure 1-197 Remove the left face-down roller



3. When the right face-down roller is removed, go to step 4, and when the left output roller is removed, go to step 7.
4. Warp the rib (callout 1) in the direction that arrow indicates.
5. Pull the face-down roller (callout 2) toward front to remove it.

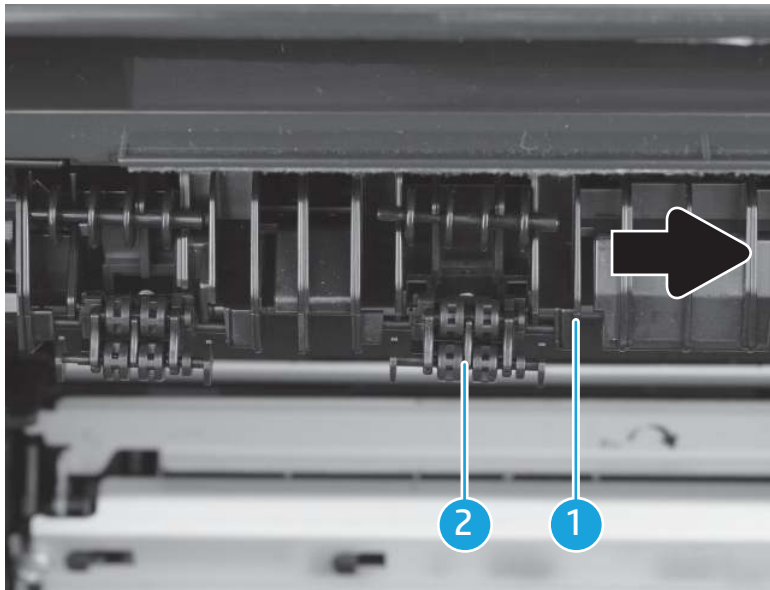
Figure 1-198 Pull the face-down roller



6. Go to step 9.
7. Warp the rib (callout 1) in that direction that arrow indicates.

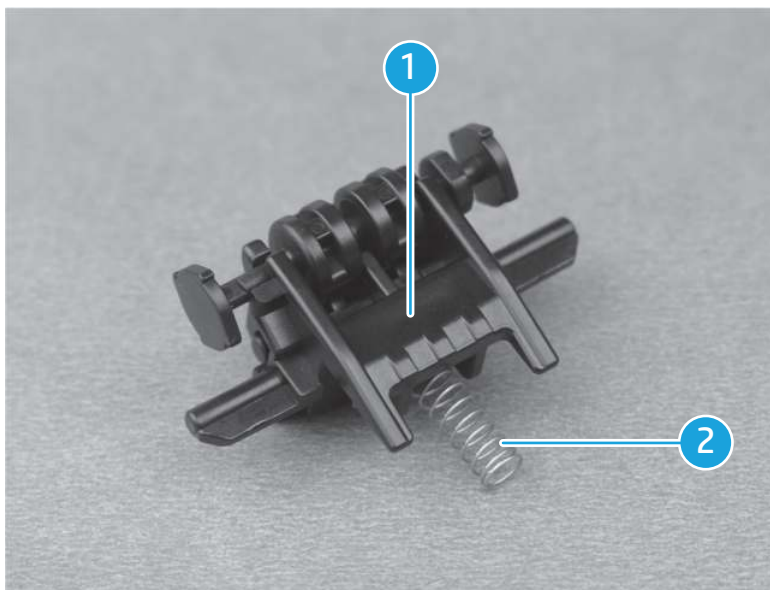
8. Pull the output roller (callout 2) toward front to remove it.

Figure 1-199 Pull the output roller



9. Remove the spring (callout 2) from the output idler (callout 1).

Figure 1-200 Remove the spring

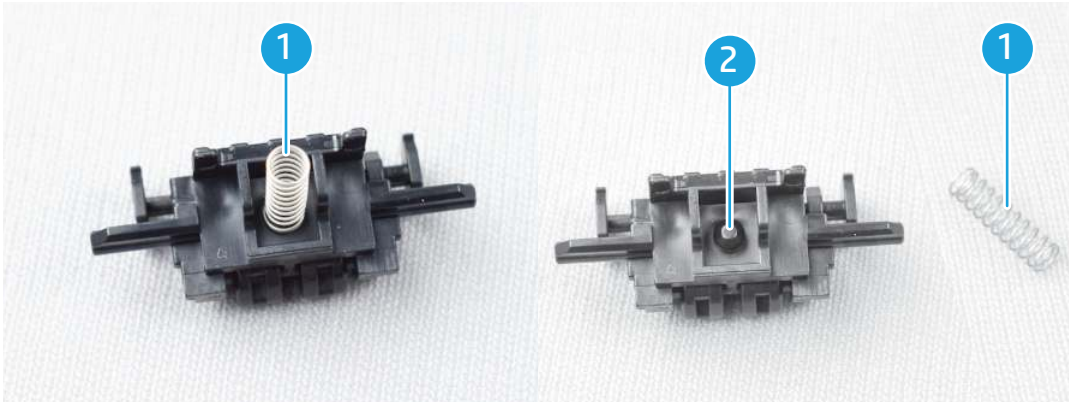


Install the face-down roller

 **TIP:** [Unpack the replacement assembly on page 13.](#)

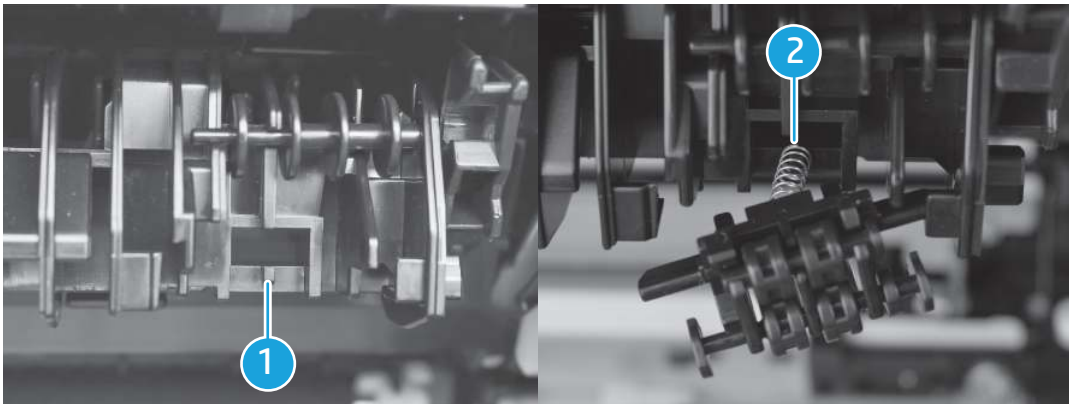
1. Install the spring (callout 1) into the boss (callout 2) of output roller until it is fit.

Figure 1-201 Install the spring



2. Place the spring (callout 1) in the boss (callout 2) of the FD guide.

Figure 1-202 Place the spring

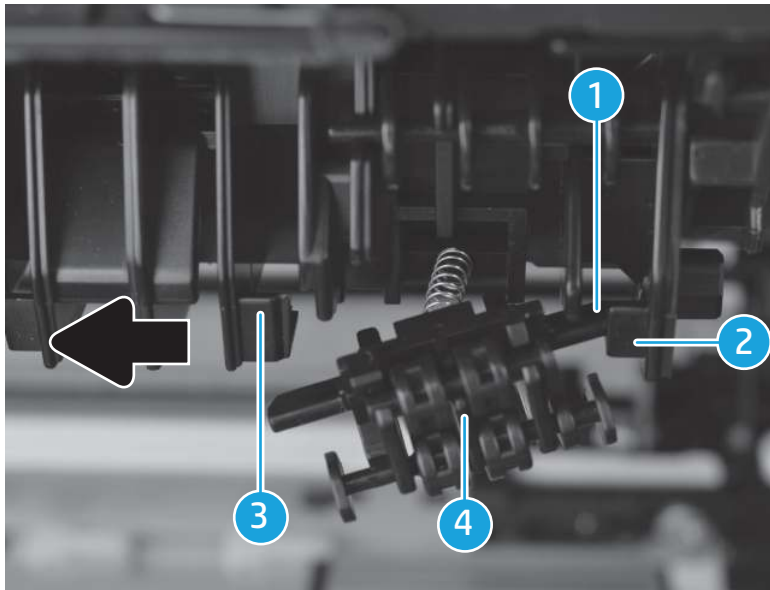


NOTE: To prevent misassembly, make sure to insert the spring (callout 2) into the boss (callout 1) of the FD guide first.

3. When the right face-down roller is attached, go to step 4, and when the left face-down roller is attached, go to step 7.
4. Insert the right rib (callout 1) of the face-down roller into the right rib (callout 2) of the FD guide.
5. Warp the left rib (callout 3) of the FD guide in the direction that arrow indicates.

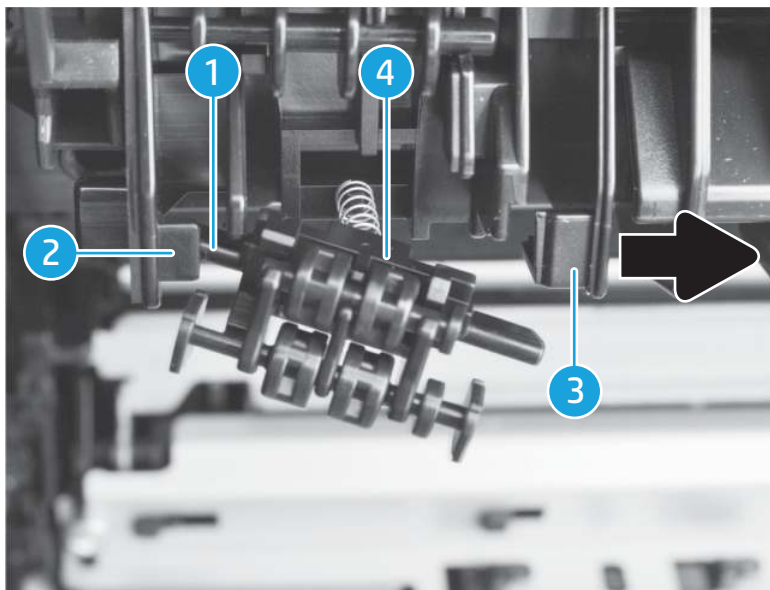
6. Install the face-down roller (callout 4).

Figure 1-203 Install the face-down roller



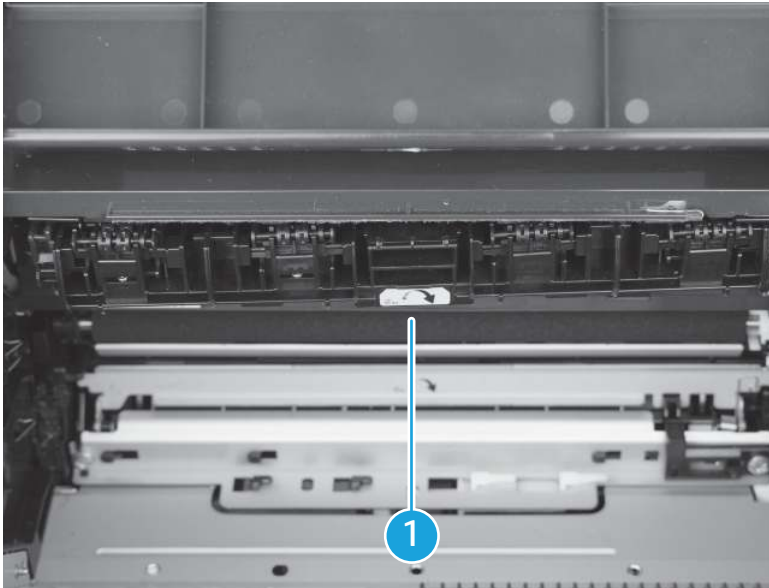
7. Insert the left rib (callout 1) of the face-down roller into the left rib (callout 2) of the FD guide.
8. Warp the right rib (callout 3) of the FD guide in the direction that arrow indicates.
9. Install the face-down roller (callout 4).

Figure 1-204 Install the face-down roller



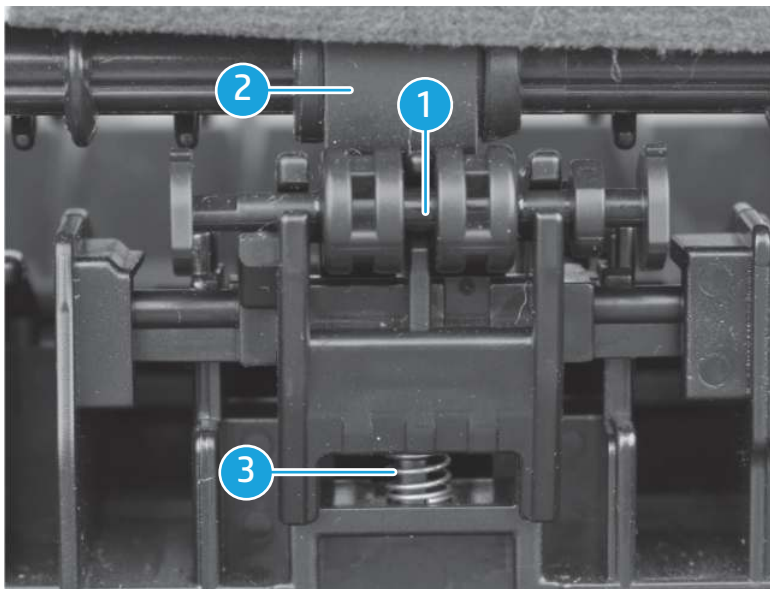
10. Close the FD guide (callout 1).

Figure 1-205 Close the FD guide



 **NOTE:**

- Make sure that the idler roller (callout 1) is in contact with the output roller (callout 2).
- Make sure the spring (callout 3) is attached properly. (Reassemble the spring if it is buckled.)



HP LaserJet Pro MFP 3101-3108 series

Learn how to remove and replace the external parts.

- [Removal and replacement: Fax PCB \(MFP\) on page 154](#)
- [Removal and replacement: Fan \(MFP\) on page 157](#)
- [Removal and replacement: Power switch PCB \(MFP\) on page 163](#)
- [Removal and replacement: Formatter PCB \(MFP\) on page 166](#)
- [Removal and replacement: Fixing output sensor PCB \(MFP\) on page 169](#)
- [Removal and replacement: Fuser \(MFP\) on page 175](#)
- [Removal and replacement: BIAS PCB assembly \(MFP\) on page 185](#)
- [Removal and replacement: Registration sensor PCB \(MFP\) on page 191](#)
- [Removal and replacement: Engine controller PCB \(MFP\) on page 197](#)
- [Removal and replacement: Tray 1 pick-up roller and Tray 1 feed roller on page 137](#)
- [Removal and replacement: Tray 1 separation roller on page 140](#)
- [Removal and replacement: Transfer roller on page 143](#)
- [Removal and replacement: Face-down roller on page 220](#)

Removal and replacement: Fax PCB (MFP)

This document provides the procedures to remove and replace the Fax PCB.

Before performing service

Turn the printer power off

- Disconnect the power cable

⚠ WARNING! To avoid damage to the printer, turn the printer off, wait for 30 seconds, and then remove the power cable before attempting to service the printer.

Use the table below to identify the correct part number for your printer. To order the part, go to www.hp.com/buy/parts.

Table 1-36 Part information

Part number	Part description
G3Q65-60001CN	Fax board (AA version)
G3Q66-60001CN	Fax board (EU version)
G3Q68-60001CN	Fax board (#BBU version)

Required tools

- #2 Phillips screwdriver with a magnetic tip

After performing service

Turn the printer power on

- Connect the power cable
- Use the power switch to turn the power on

Post service test

Verify that the printer reaches the **Ready** state.

Verify that the document feeder and the flatbed scanner are correctly functioning (copy a page).

Before proceeding, remove the following parts

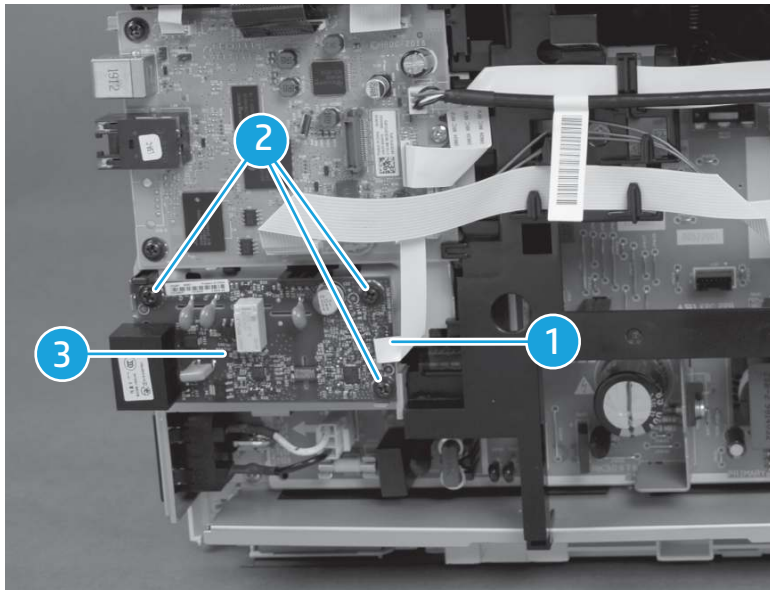
- [Remove the front cover assembly \(MFP\) on page 36](#)
- [Remove the left cover assembly \(MFP\) on page 38](#)

Remove the fax PCB (MFP)

1. Remove the FFC (callout 1) and remove three black screws (callout 2).

2. Remove the fax PCB (callout 3).

Figure 1-206 Remove the fax PCB

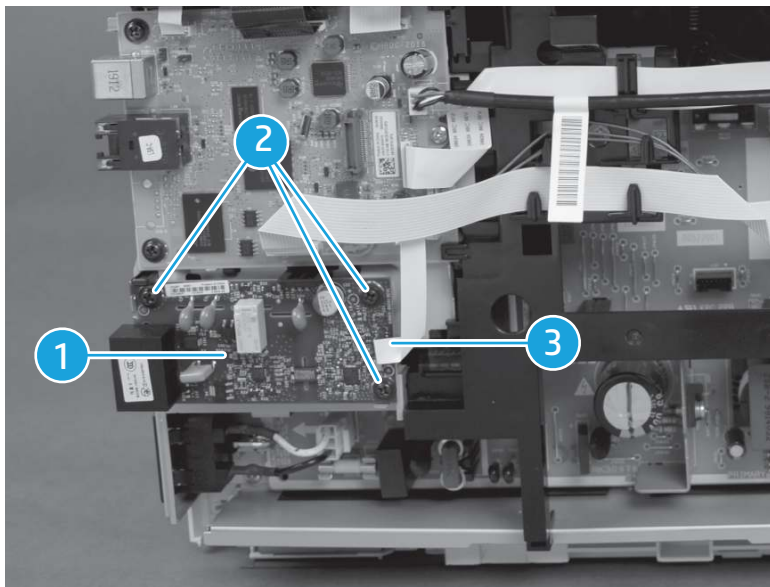


Install the fax PCB (MFP)

 **TIP:** [Unpack the replacement assembly on page 13.](#)

1. Position the fax PCB (callout 1) and install three black screws (callout 2).
2. Install the FFC (callout 3).

Figure 1-207 Install the fax PCB



After installing the fax PCB (MFP):

- [Install the left cover assembly \(MFP\) on page 39](#)

- [Install the front cover assembly \(MFP\) on page 36](#)

Removal and replacement: Fan (MFP)

This document provides the procedures to remove and replace the fan.

Before performing service

Turn the printer power off

- Disconnect the power cable

⚠ WARNING! To avoid damage to the printer, turn the printer off, wait for 30 seconds, and then remove the power cable before attempting to service the printer.

Use the table below to identify the correct part number for your printer. To order the part, go to www.hp.com/buy/parts.

Table 1-37 Part information

Part number	Part description
RK2-1378-010CN	Fan

Required tools

- #2 Phillips screwdriver with a magnetic tip

After performing service

Turn the printer power on

- Connect the power cable
- Use the power switch to turn the power on

Post service test

Verify that the printer reaches the **Ready** state.

Verify that the document feeder and the flatbed scanner are correctly functioning (copy a page).

Before proceeding, remove the following parts

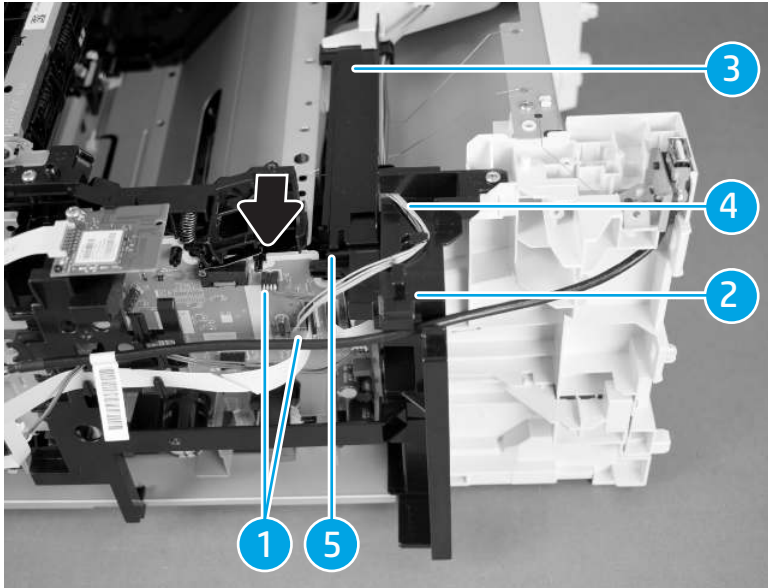
- [Remove the front cover assembly \(MFP\) on page 36](#)
- [Remove the left cover assembly \(MFP\) on page 38](#)
- [Remove the right cover assembly \(MFP\) on page 41](#)
- [Remove the image scanner \(MFP\) on page 43](#)
- [Remove the cartridge door assembly \(MFP\) on page 49](#)
- [Remove the top cover assembly \(MFP\) on page 54](#)

Remove the fan (MFP)

1. Disconnect two connectors (callout 1).
2. Release the cable (callout 4) from the ECU cover (callout 2) and the duct (callout 3).

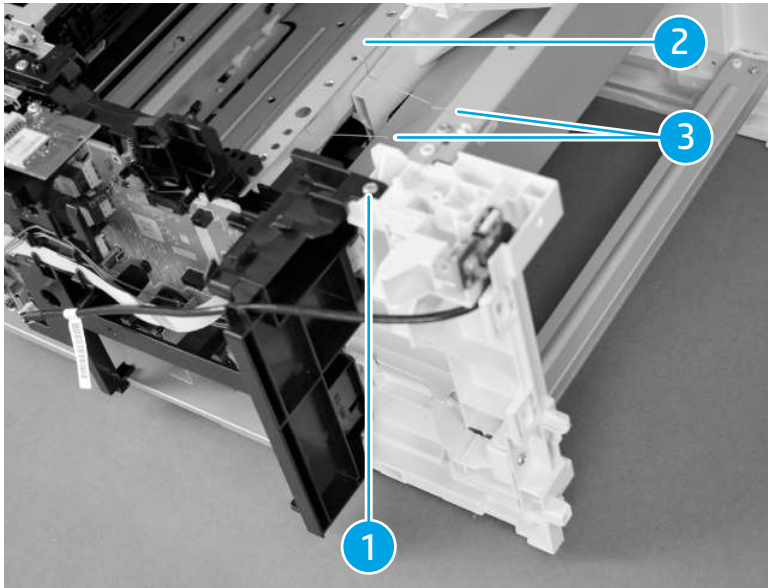
3. Release one tab (callout 5) and slide the duct (callout 3) in the direction that arrow indicates, and then remove it.

Figure 1-208 Remove one tab



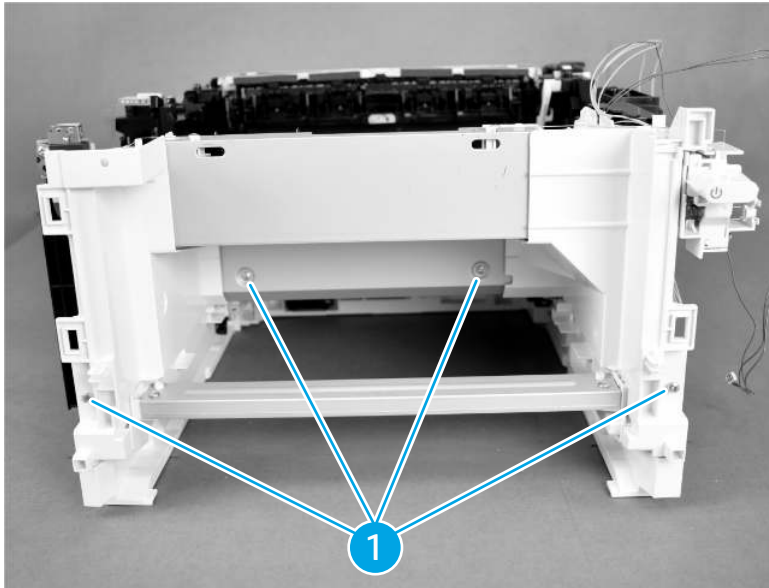
4. Remove one screw (callout 1) and remove two springs (callout 3) from the plate (callout 2).

Figure 1-209 Remove one screw



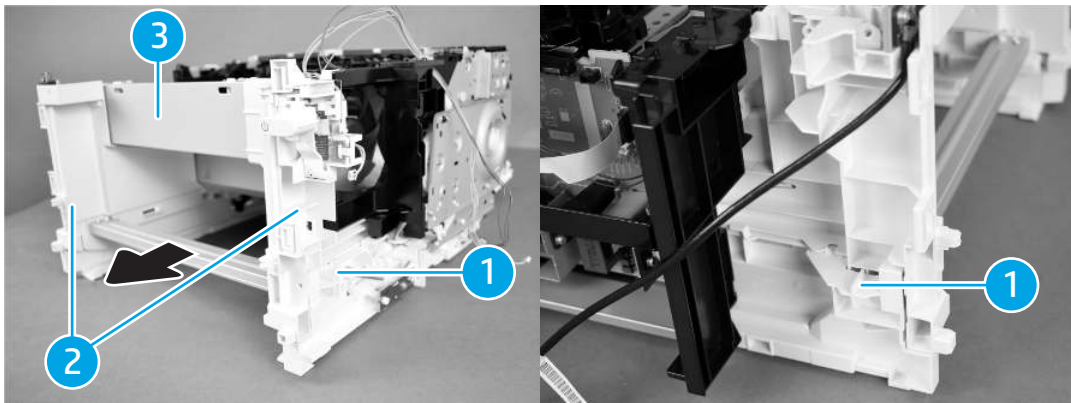
5. Remove four screws (callout 1).

Figure 1-210 Remove four screws



6. Release two tabs (callout 1).
7. Slide the inner cover (callout 2) and the front plate (callout 3) together in the direction that arrow indicates, and remove them.

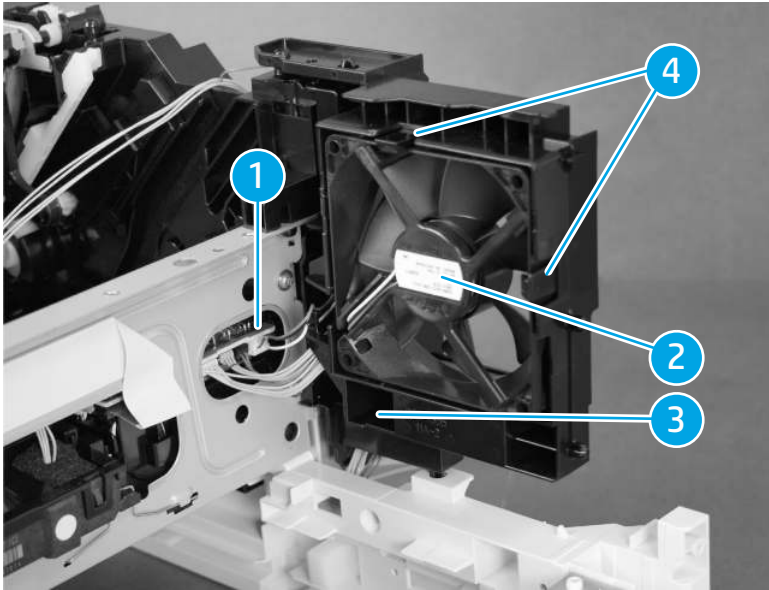
Figure 1-211 Slide the inner cover



8. Disconnect one connector (callout 1) and slide the main fan (callout 2) and fan holder (callout 3) together upward to remove them.

9. Release two tabs (callout 4) and remove the main fan (callout 2) from the fan holder (callout 3).

Figure 1-212 Release two tabs

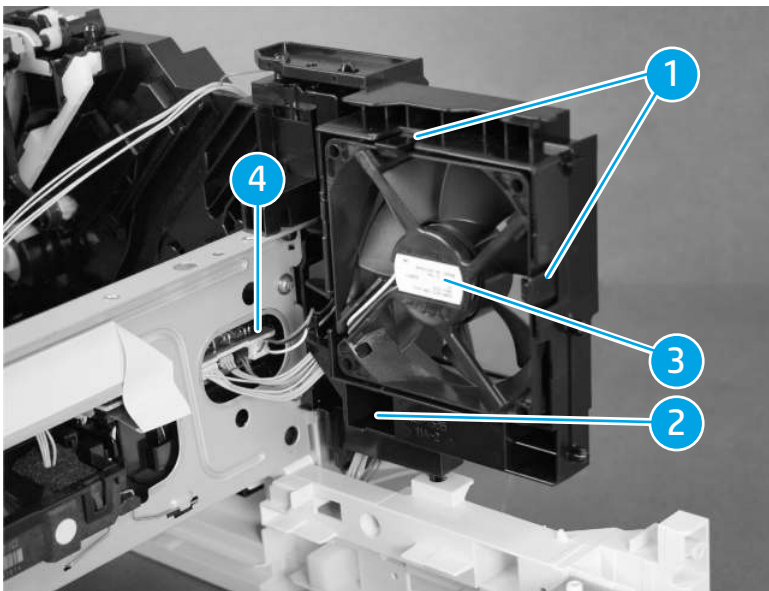


Install the fan (MFP)

 **TIP:** [Unpack the replacement assembly on page 13.](#)

1. Install the main fan (callout 3) to the fan holder (callout 2) and engage two tabs (callout 1).
2. Position the fan holder (callout 2) and main fan (callout 3) together downward and snap it into the place.
3. Connect one connector (callout 4).

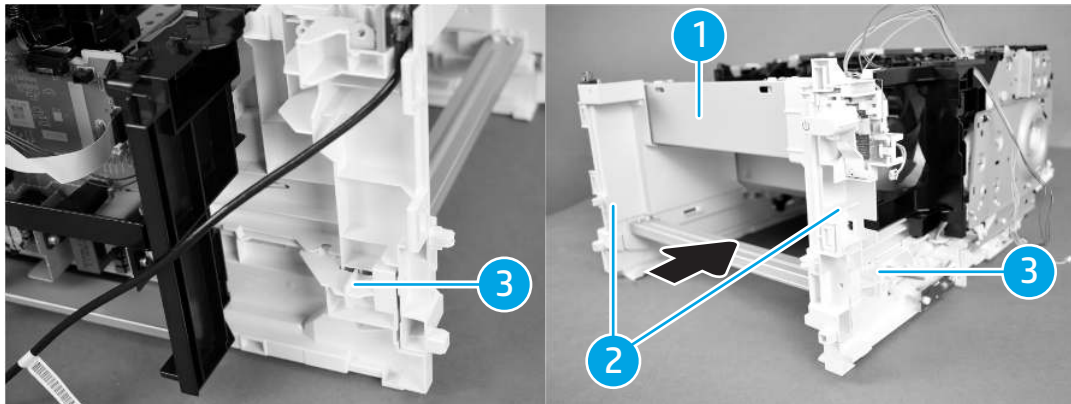
Figure 1-213 Position the fan holder



4. Slide the front plate (callout 1) and the inner cover (callout 2).

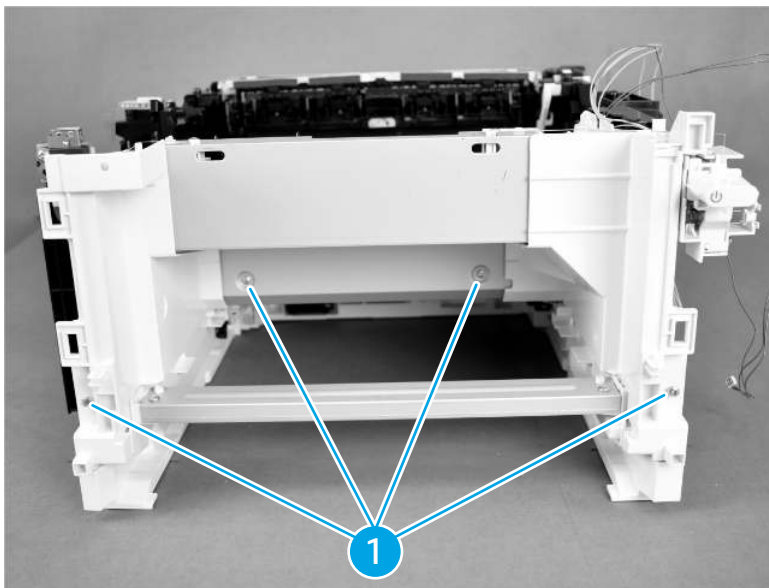
- Engage two tabs (callout 3).

Figure 1-214 Engage two tabs



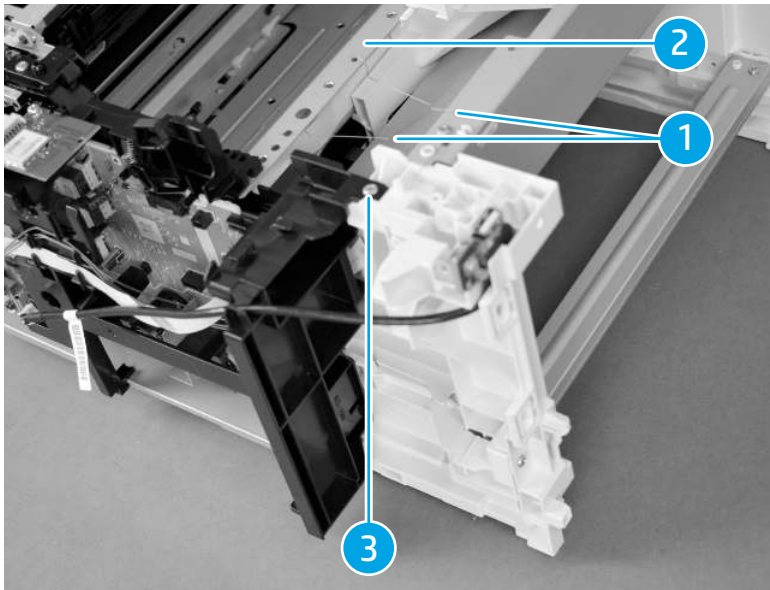
- Install four screws (callout 1).

Figure 1-215 Install four screws



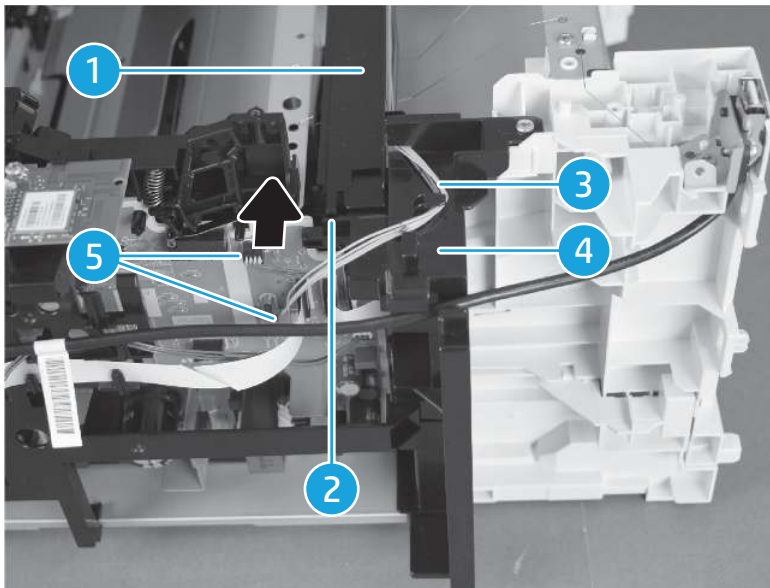
7. Install two springs (callout 1) to the plate (callout 2) and install one screw (callout 3).

Figure 1-216 Install two springs



8. Slide the duct (callout 1) in the direction that arrow indicates to install it and engage one tab (callout 2).
9. Install the cable (callout 3) to the ECU cover (callout 4) and the duct (callout 1).
10. Connect two connectors (callout 5).

Figure 1-217 Connect two connectors



After installing the fan (MFP):

- [Install the top cover assembly \(MFP\) on page 58](#)
- [Install the cartridge door assembly \(MFP\) on page 51](#)

- [Install the image scanner assembly \(MFP\) on page 45](#)
- [Install the right cover assembly \(MFP\) on page 41](#)
- [Install the left cover assembly \(MFP\) on page 39](#)
- [Install the front cover assembly \(MFP\) on page 36](#)

Removal and replacement: Power switch PCB (MFP)

This document provides the procedures to remove and replace the power switch PCB.

Before performing service

Turn the printer power off

- Disconnect the power cable

⚠ WARNING! To avoid damage to the printer, turn the printer off, wait for 30 seconds, and then remove the power cable before attempting to service the printer.

Use the table below to identify the correct part number for your printer. To order the part, go to www.hp.com/buy/parts.

Table 1-38 Part information

Part number	Part description
RM3-7885-000CN	Power switch PCB assembly

Required tools

- #2 Phillips screwdriver with a magnetic tip
- Small flat-blade screwdriver

After performing service

Turn the printer power on

- Connect the power cable
- Use the power switch to turn the power on

Post service test

Verify that the printer reaches the **Ready** state.

Verify that the document feeder and the flatbed scanner are correctly functioning (copy a page).

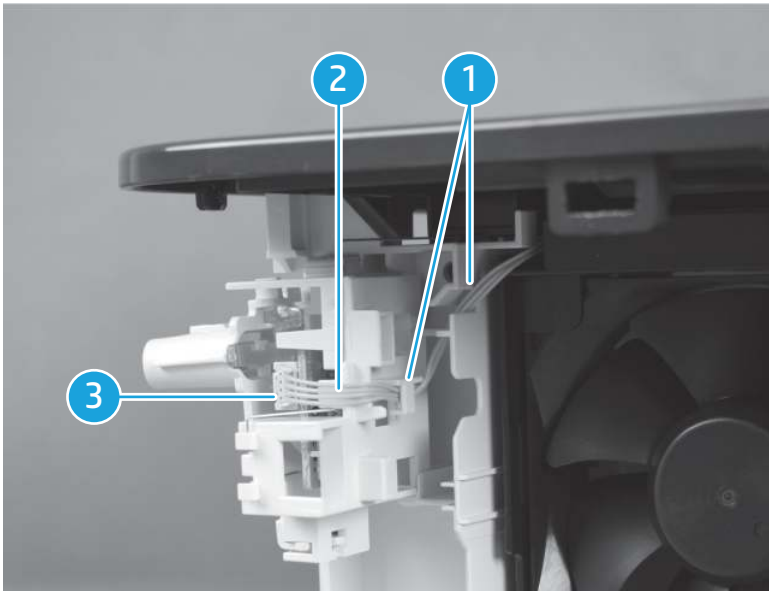
Before proceeding, remove the following parts

- [Remove the front cover assembly \(MFP\) on page 36](#)
- [Remove the right cover assembly \(MFP\) on page 41](#)

Remove the power switch PCB (MFP)

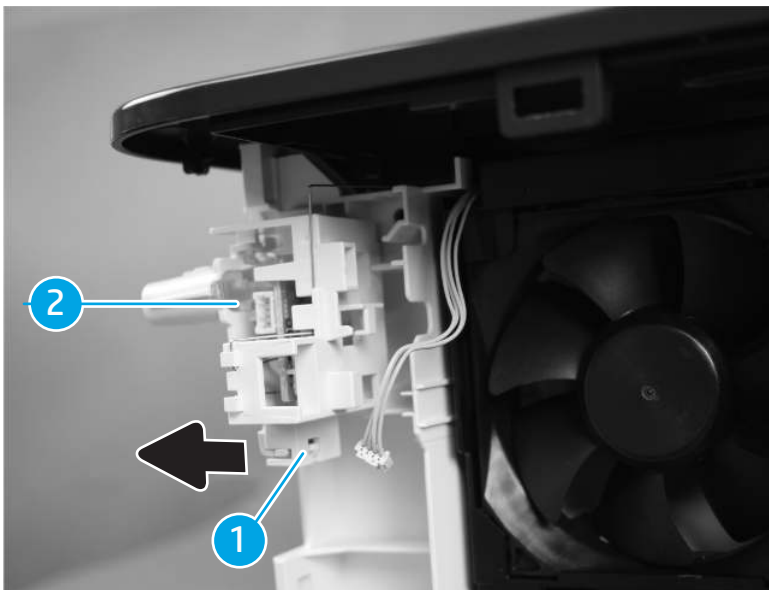
1. Release the cable (callout 2) from the cable clamp (callout 1) and disconnect one connector (callout 3).

Figure 1-218 Disconnect one connector



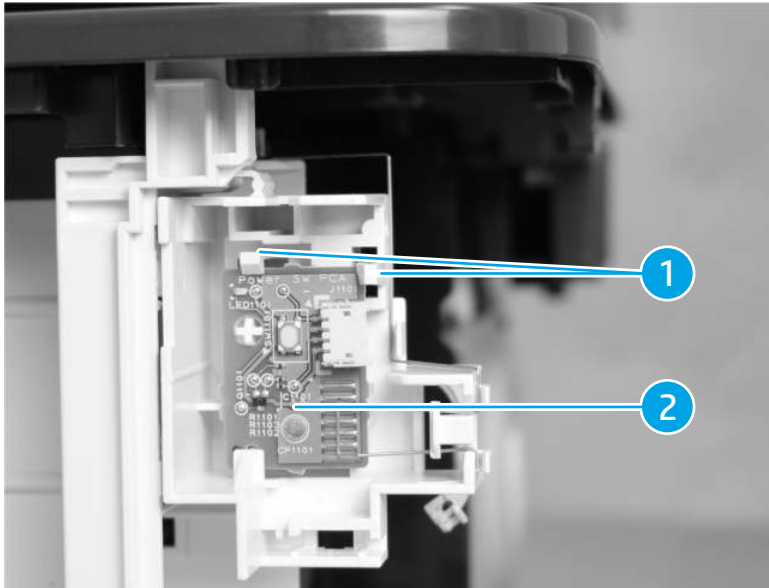
2. Release one tab (callout 1).
3. Slide the switch lever assembly (callout 2) in the direction that arrow indicates and remove it.

Figure 1-219 Slide the switch lever



4. Release two tabs (callout 1), remove the power switch PCB (callout 2).

Figure 1-220 Remove the power switch PCB

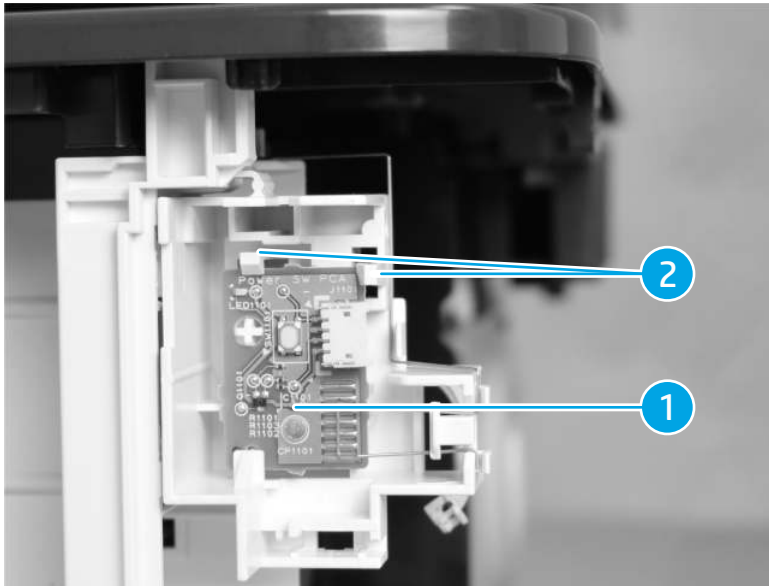


Install the Power switch PCB (MFP)

 **TIP:** [Unpack the replacement assembly on page 13.](#)

1. Position the power switch PCB (callout 1) and engage two tabs (callout 2).

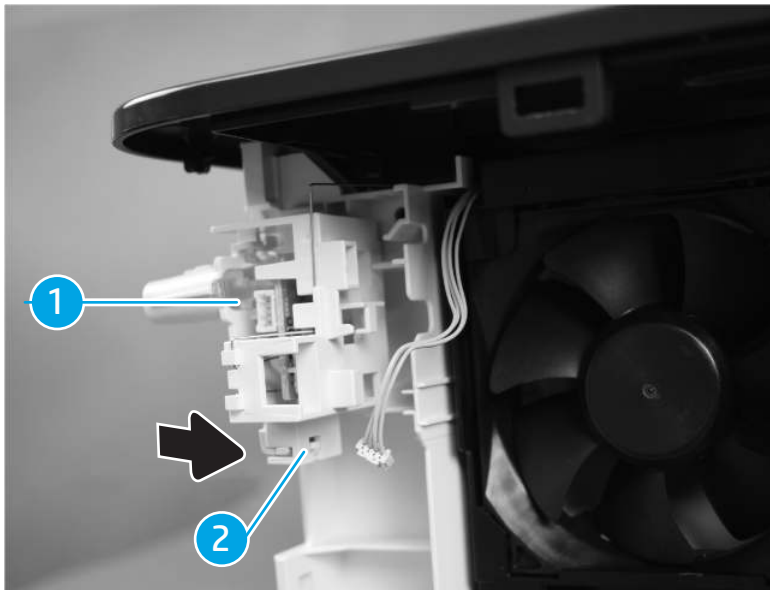
Figure 1-221 Engage two tabs



2. Slide the switch lever assembly (callout 1) in the direction the arrow indicates to install it.

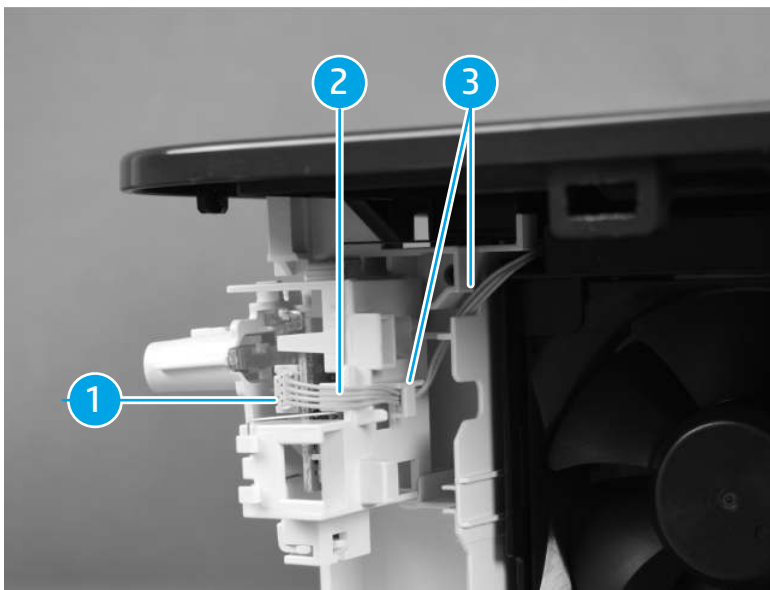
3. Engage one tab (callout 2).

Figure 1-222 Engage one tab



4. Connect one connector (callout 1) and connect the cable (callout 2) to the cable clamp (callout 3).

Figure 1-223 Connect the cable



After installing the power switch (MFP):

- [Install the right cover assembly \(MFP\) on page 41](#)
- [Install the front cover assembly \(MFP\) on page 36](#)

Removal and replacement: Formatter PCB (MFP)

This document provides the procedures to remove and replace the formatter PCB.

Before performing service

Turn the printer power off

- Disconnect the power cable

⚠ WARNING! To avoid damage to the printer, turn the printer off, wait for 30 seconds, and then remove the power cable before attempting to service the printer.

Use the table below to identify the correct part number for your printer. To order the part, go to www.hp.com/buy/parts.

Table 1-39 Part information

Part number	Part description
4QK87-60003	Formatter

Required tools

- #2 Phillips screwdriver with a magnetic tip

After performing service

Turn the printer power on

- Connect the power cable
- Use the power switch to turn the power on

Post service test

Verify that the printer reaches the **Ready** state.

Try to print a page and verify the print.

Before proceeding, remove the following parts

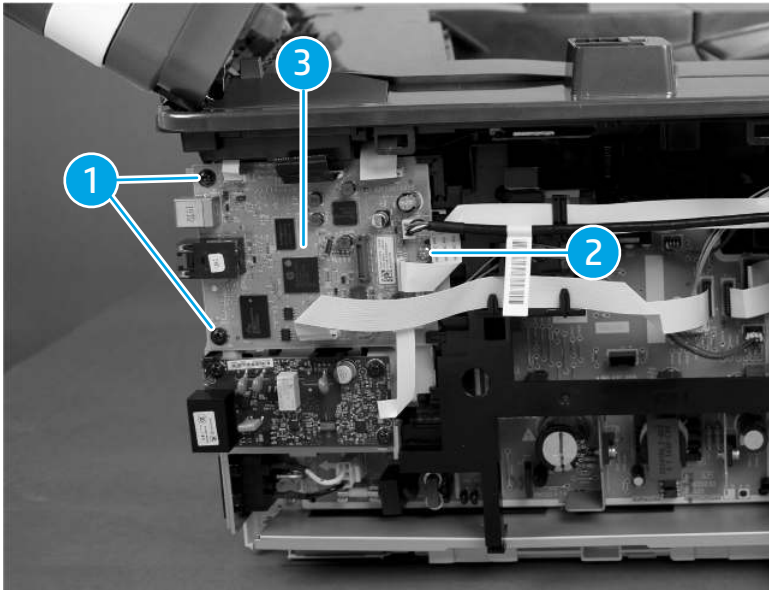
- [Remove the front cover assembly \(MFP\) on page 36](#)
- [Remove the left cover assembly \(MFP\) on page 38](#)

Remove the formatter PCB (MFP)

1. Disconnect all connectors on the formatter PCB and remove two black screws (callout 1).

2. Remove one screw (callout 2) and then remove the formatter PCB (callout 3).

Figure 1-224 Remove the formatter



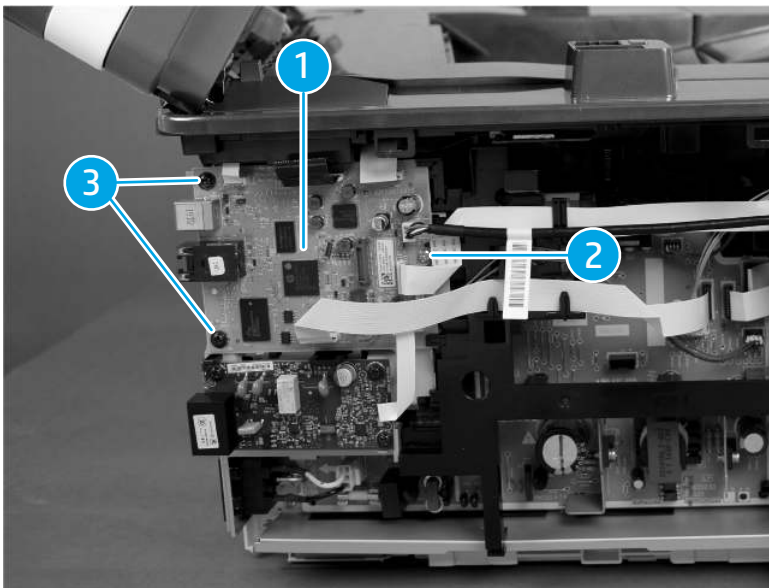
Install the formatter PCB (MFP)

 **TIP:** [Unpack the replacement assembly on page 13.](#)

 **IMPORTANT:** Make sure to re-pair the new formatter (or engine controller) after installing it in the printer. For more information, please see [Yeti repair app on page 6.](#)

1. Position the formatter PCB (callout 1) and install one screw (callout 2).
2. Install two black screws (callout 2) and connect all connectors on the formatter PCB.

Figure 1-225 Install the formatter



After installing the formatter PCB (MFP):

- [Install the right cover assembly \(MFP\) on page 41](#)
- [Install the front cover assembly \(MFP\) on page 36](#)

Removal and replacement: Fixing output sensor PCB (MFP)

This document provides the procedures to remove and replace the fixing output sensor PCB.

Before performing service

Turn the printer power off

- Disconnect the power cable

⚠ WARNING! To avoid damage to the printer, turn the printer off, wait for 30 seconds, and then remove the power cable before attempting to service the printer.

Use the table below to identify the correct part number for your printer. To order the part, go to www.hp.com/buy/parts.

Table 1-40 Part information

Part number	Part description
RM3-7863-000CN	Fixing output sensor assembly

Required tools

- #2 Phillips screwdriver with a magnetic tip
- Small flat-blade screwdriver

After performing service

Turn the printer power on

- Connect the power cable
- Use the power switch to turn the power on

Post service test

Verify that the document feeder and the flatbed scanner are correctly functioning (copy a page).

Try to print a page and verify the print.

Before proceeding, remove the following parts

- [Remove the front cover assembly \(MFP\) on page 36](#)
- [Remove the left cover assembly \(MFP\) on page 38](#)
- [Remove the right cover assembly \(MFP\) on page 41](#)
- [Remove the image scanner \(MFP\) on page 43](#)
- [Remove the cartridge door assembly \(MFP\) on page 49](#)

- [Remove the top cover assembly \(MFP\) on page 54](#)

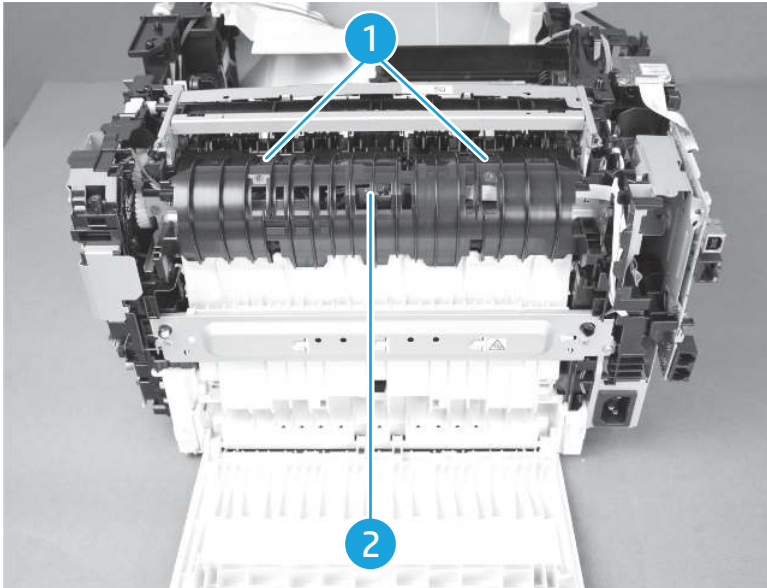
Remove the fixing output sensor PCB (MFP)

CAUTION:  ESD-sensitive part.

TIP: [Unpack the replacement assembly on page 13.](#)

1. Release two tabs (callout 1), and remove the duplex reverse guide (callout 2).

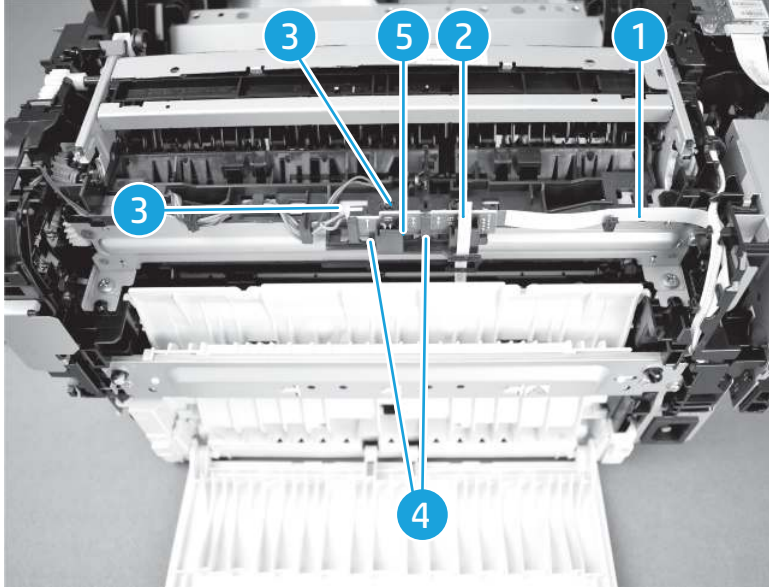
Figure 1-226 Release two tabs (MFP)



2. Remove the FFC (callout 1) NOTE: When replacing the FFC (callout 1) go to step 5.
3. Remove the FFC (callout 2), and then disconnect two connectors (callout 3).

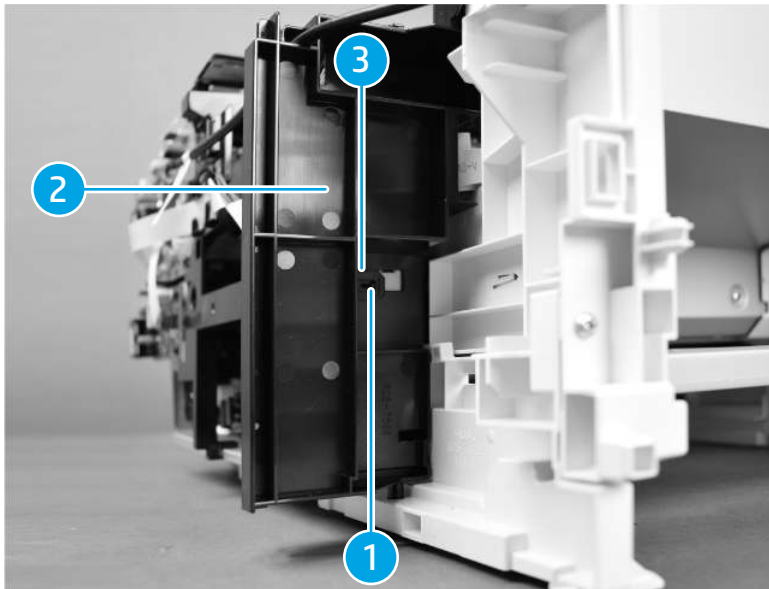
4. Release two tabs (callout 4), and remove the fuser output sensor PCB (callout 5).

Figure 1-227 Remove the fuser output sensor



5. Remove the formatter PCB and release one tab (callout 1).
6. Remove the cable guide (callout 3) from the ECU cover (callout 2).

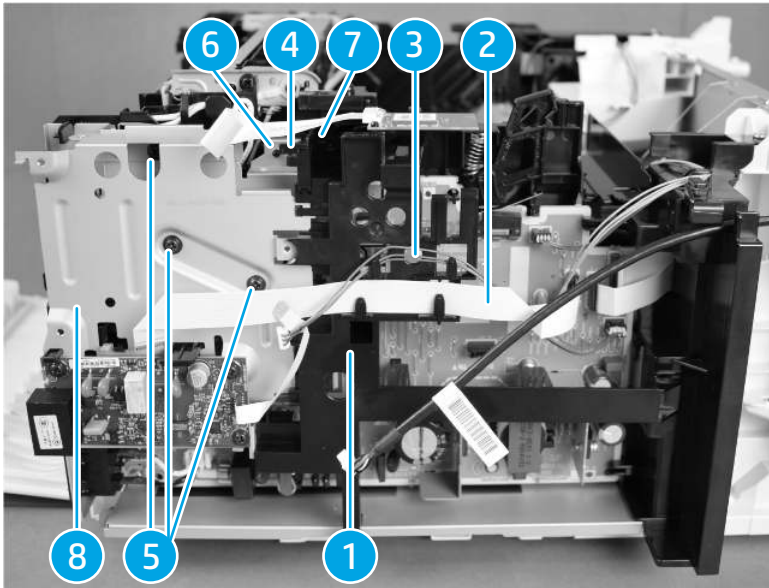
Figure 1-228 Remove the cable guide



7. Remove the FFC (callout 2) from the cable guide (callout 1).
8. Release the cable (callout 3) from the cable guide (callout 1).
9. Remove one screw (callout 4) and remove three black screws (callout 5).
10. Release one boss (callout 6) and release one tab (callout 7).

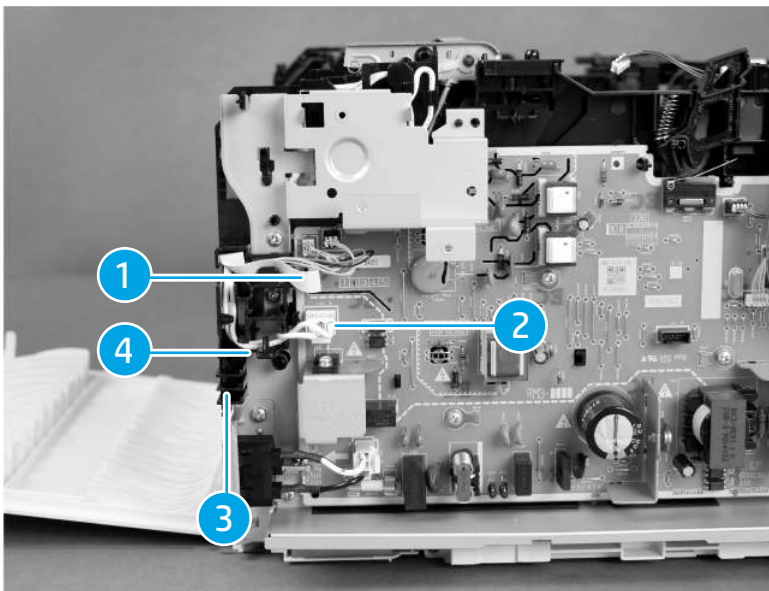
11. Remove the cable guide (callout 1) and the formatter stay (callout 8) together.

Figure 1-229 Remove the formatter stay



12. Remove the FFC (callout 1) and disconnect one connector (callout 2).
13. Remove the cable (callout 4) and the FFC (callout 1) from the cable guide (callout 3).

Figure 1-230 Remove the FFC



Install the fixing output sensor PCB (MFP)

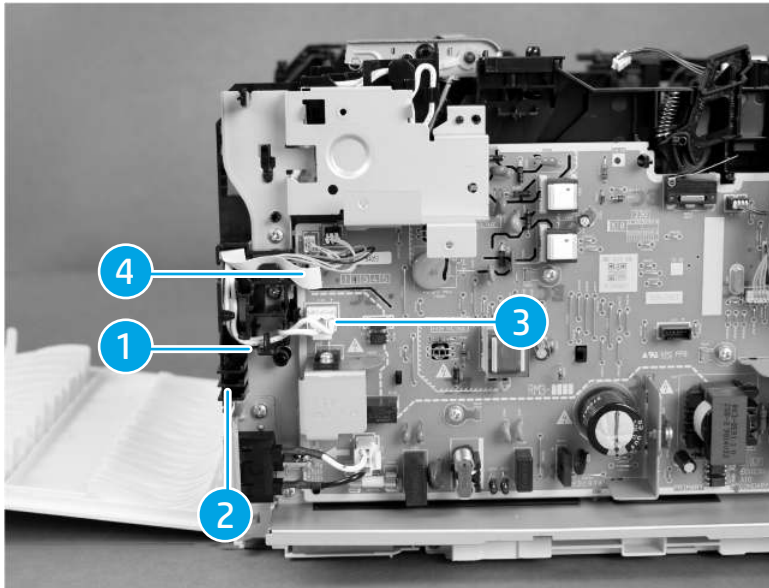
 **TIP:** [Unpack the replacement assembly on page 13.](#)

 **CAUTION:**  ESD-sensitive part.

1. Install the cable (callout 1) and the FFC (callout 4) to the cable guide (callout 2).

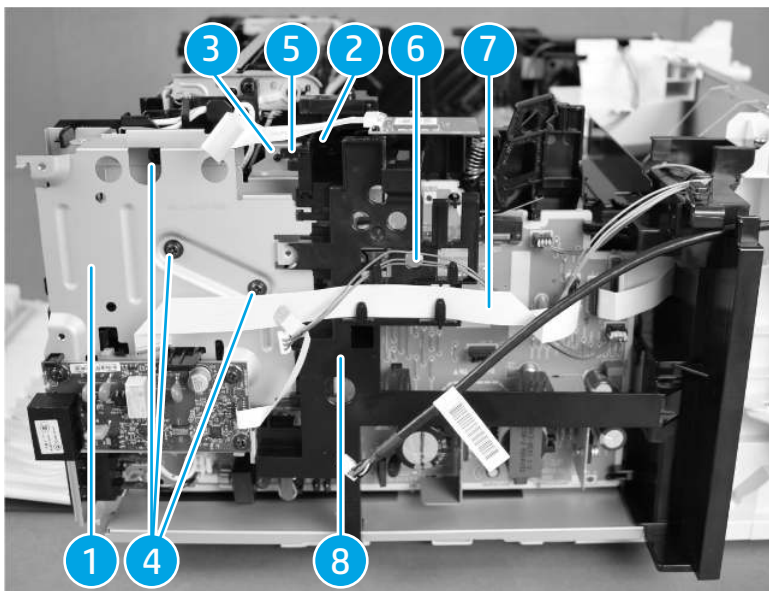
2. Connect one connector (callout 3) and install the FFC (callout 4).

Figure 1-231 Connect one connector



3. Position the formatter stay (callout 1) and install the cable guide (callout 8) together.
4. Install one tab (callout 2) and engage one boss (callout 3).
5. Install three black screws (callout 4) and install one screw (callout 5).
6. Install the cable (callout 6) to the cable guide (callout 8).
7. Install the FFC (callout 7) to the cable guide (callout 8).

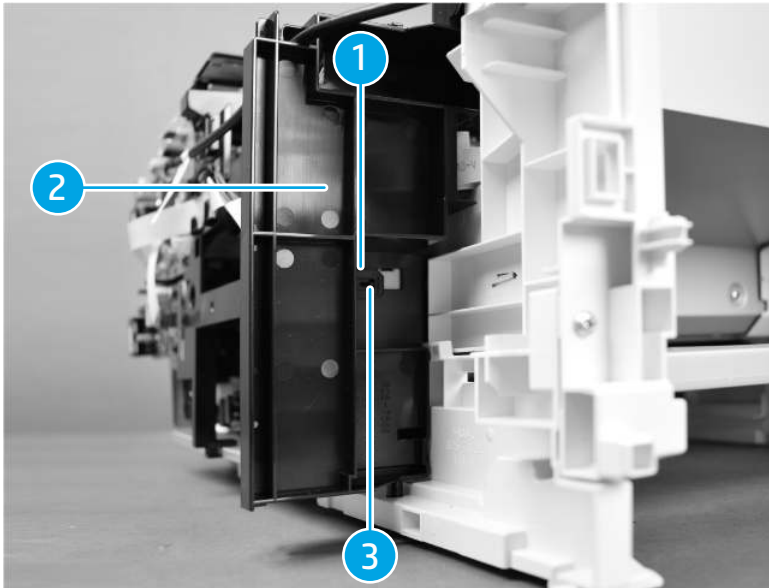
Figure 1-232 Install the cable guide



8. Install the cable guide (callout 1) to the ECU cover (callout 2).

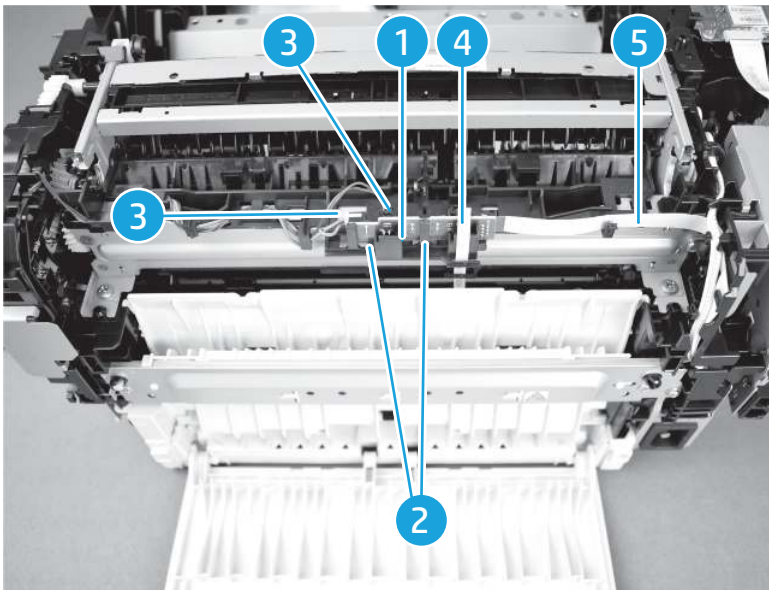
- Engage one tab (callout 3) and install the formatter

Figure 1-233 Install the formatter



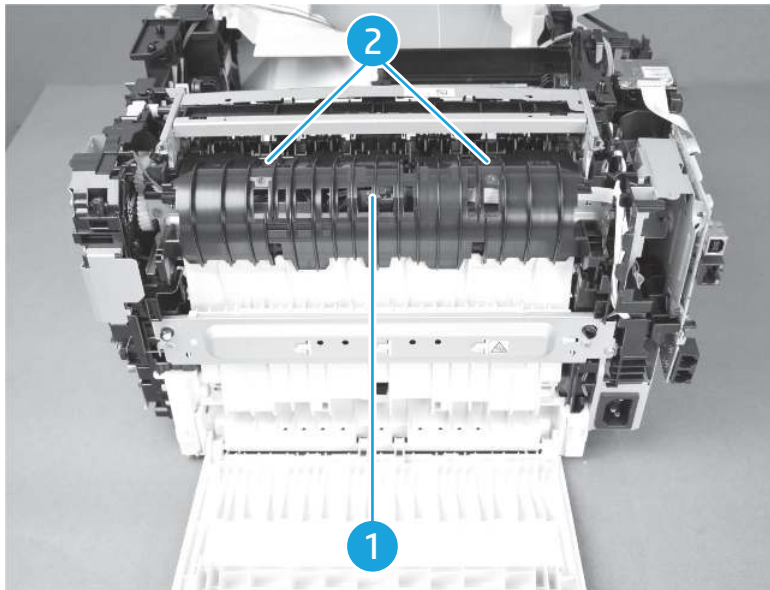
- Position the fuser output sensor PCB (callout 1) and engage two tabs (callout 2).
- Connect two connectors (callout 3) and install the FFC (callout 4).
- Install the FFC (callout 5).

Figure 1-234 Install the FFC



13. Position the duplex reverse guide (callout 1) and engage two tabs (callout 2).

Figure 1-235 Engage two tabs



After installing the fixing output sensor (MFP):

- [Install the top cover assembly \(MFP\) on page 58](#)
- [Install the cartridge door assembly \(MFP\) on page 51](#)
- [Install the image scanner assembly \(MFP\) on page 45](#)
- [Install the right cover assembly \(MFP\) on page 41](#)
- [Install the left cover assembly \(MFP\) on page 39](#)
- [Install the front cover assembly \(MFP\) on page 36](#)

Removal and replacement: Fuser (MFP)

This document provides the procedures to remove and replace the fuser.

Before performing service

Turn the printer power off

- Disconnect the power cable

⚠ WARNING! To avoid damage to the printer, turn the printer off, wait for 30 seconds, and then remove the power cable before attempting to service the printer.

Use the table below to identify the correct part number for your printer. To order the part, go to www.hp.com/buy/parts.

Table 1-41 Part information

Part number	Part description
RM2-4839-000CN	Fixing assembly (110-270v)
	Fixing assembly (220-240v)

Table 1-41 Part information

Part number	Part description
RM2-4841-000CN	

Required tools

- #2 Phillips screwdriver with a magnetic tip
- Small flat-blade screwdriver

After performing service

Turn the printer power on

- Connect the power cable
- Use the power switch to turn the power on

Post service test

Verify that the document feeder and the flatbed scanner are correctly functioning (copy a page).

Try to print a page and verify the print.

Before proceeding, remove the following parts

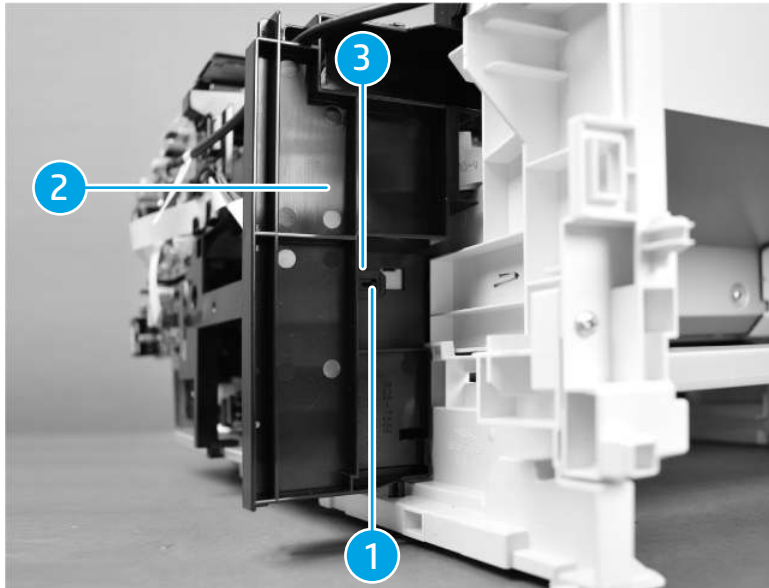
- [Remove the front cover assembly \(MFP\) on page 36](#)
- [Remove the left cover assembly \(MFP\) on page 38](#)
- [Remove the right cover assembly \(MFP\) on page 41](#)
- [Remove the image scanner \(MFP\) on page 43](#)
- [Remove the cartridge door assembly \(MFP\) on page 49](#)
- [Remove the top cover assembly \(MFP\) on page 54](#)
- [Removal and replacement: Formatter PCB \(MFP\) on page 166](#)

Remove the fuser (MFP)

1. Release one tab (callout 1).

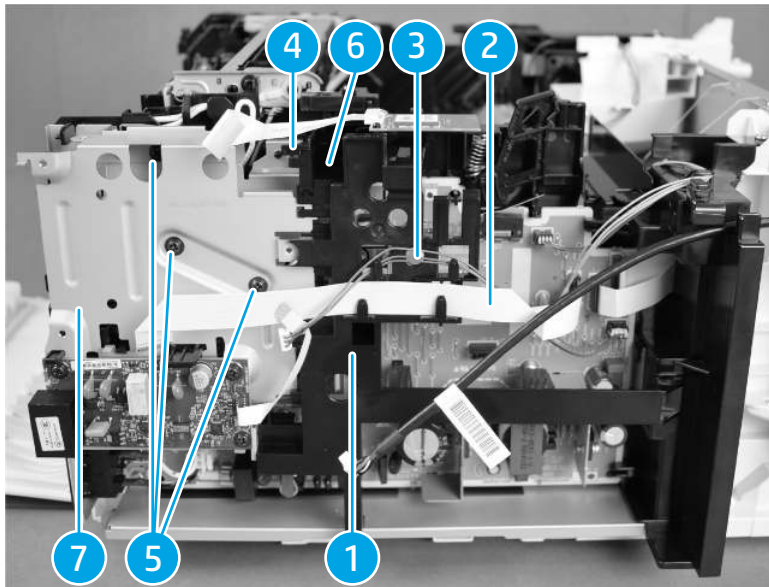
2. Remove the cable guide (callout 3) from the ECU cover (callout 2).

Figure 1-236 Remove the cable guide



3. Remove the FFC (callout 2) from the cable guide (callout 1) and release the cable (callout 3) from the cable guide (callout 1).
4. Remove one screw (callout 4) and remove three black screws (callout 5).
5. Release one tab (callout 6).
6. Remove the cable guide (callout 1) and the formatter stay (callout 7) together.

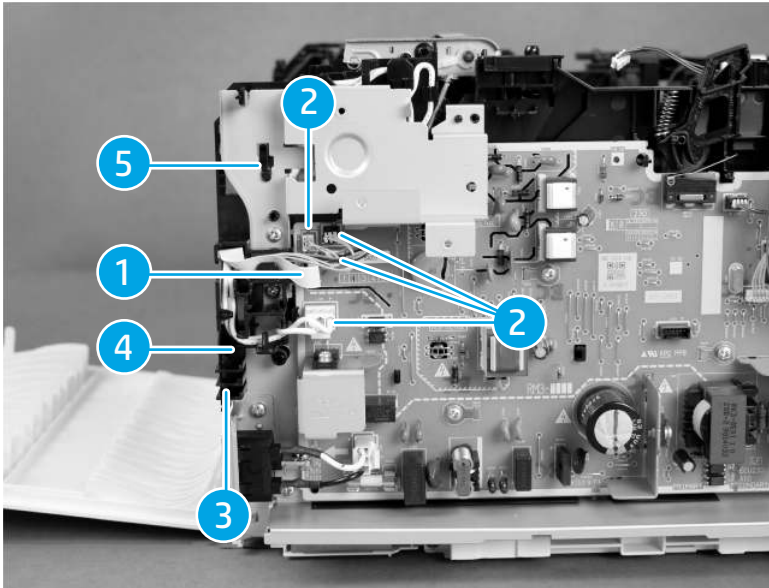
Figure 1-237 Remove the formatter stay



7. Remove the FFC (callout 1), and disconnect the four connectors (callout 2).
8. Release the cable (callout 4), and the FFC (callout 1) from the cable guide (callout 3).

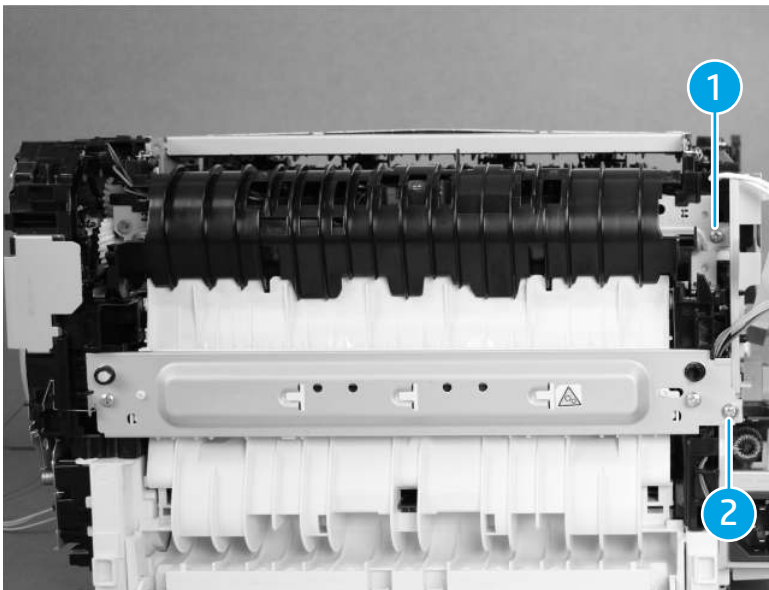
9. Release one tab (callout 5), and slide the cable guide (callout 3) upward to remove it.

Figure 1-238 Release one tab



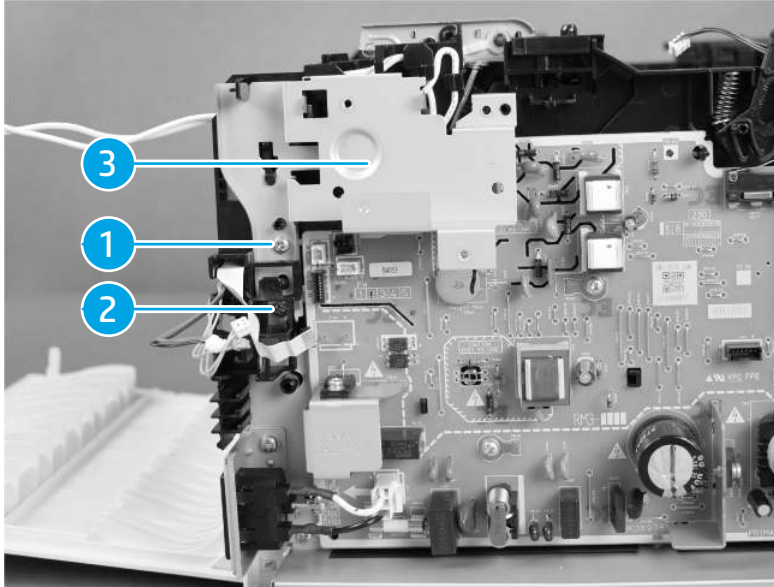
10. Remove one screw with washer (callout 1), and remove one tapping screw (callout 2).

Figure 1-239 Remove one screw (MFP)



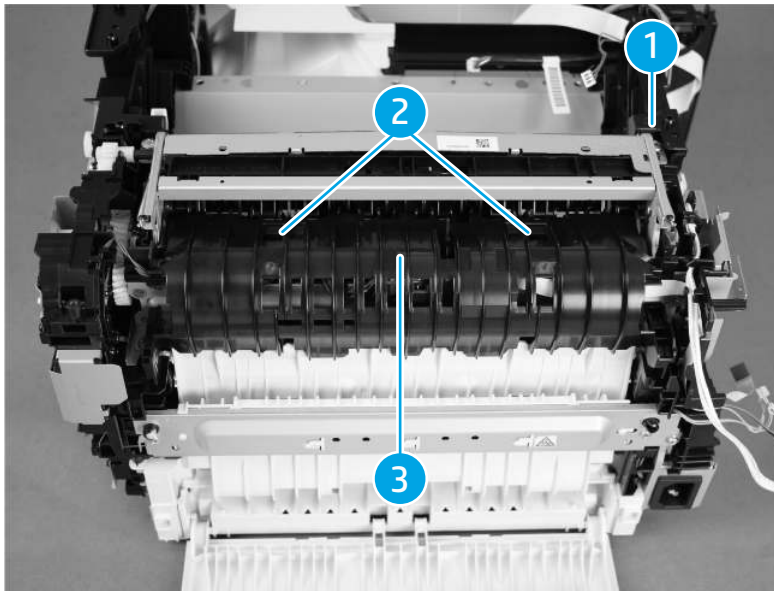
11. Remove one screw (callout 1), remove one screw with washer (callout 2), and remove the stay (callout 3).

Figure 1-240 Remove the stay (MFP)



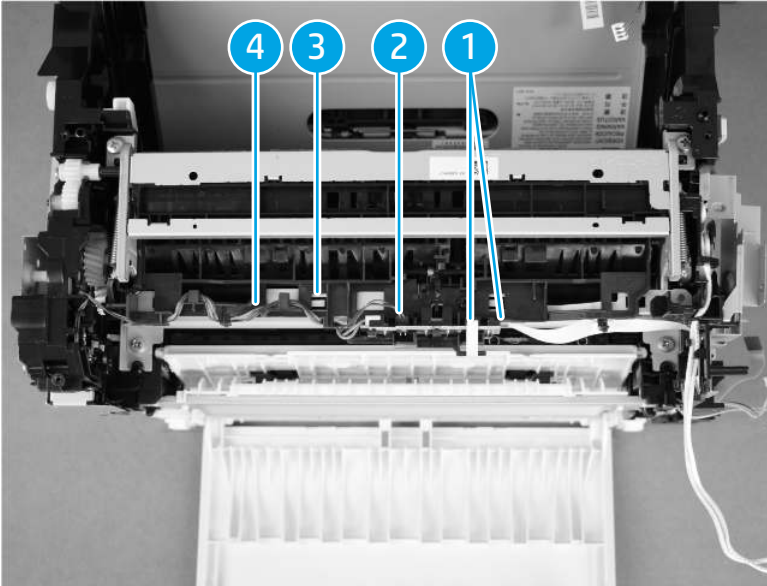
12. Remove the cartridge keying guide (callout 1).
13. Release two tabs (callout 2), and remove the duplex reverse guide (callout 3).

Figure 1-241 Release two tabs (MFP)



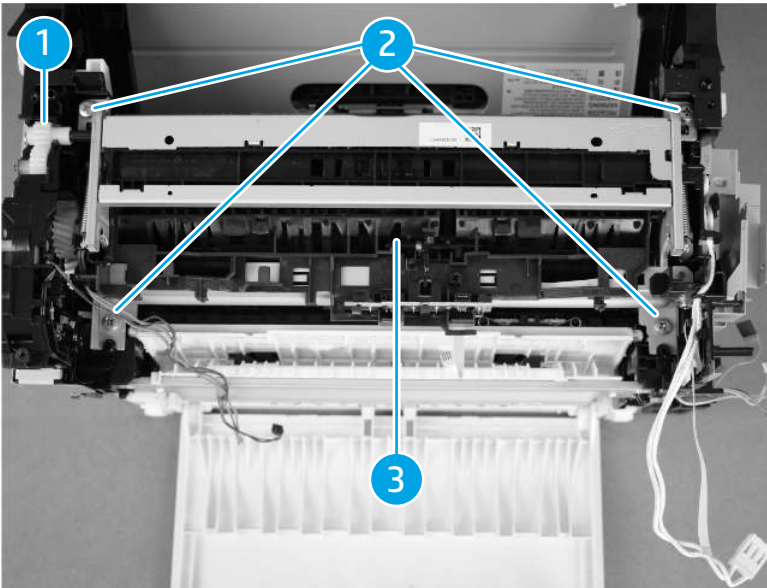
14. Remove two FFCs (callout 1), and disconnect one connector (callout 2) then release the cable (callout 4) from the cable guide (callout 3).

Figure 1-242 Remove two FFCs (MFP)



15. Remove the gear (callout 1), remove four screws (callout 2), and remove the fuser (callout 3).

Figure 1-243 Remove the fuser

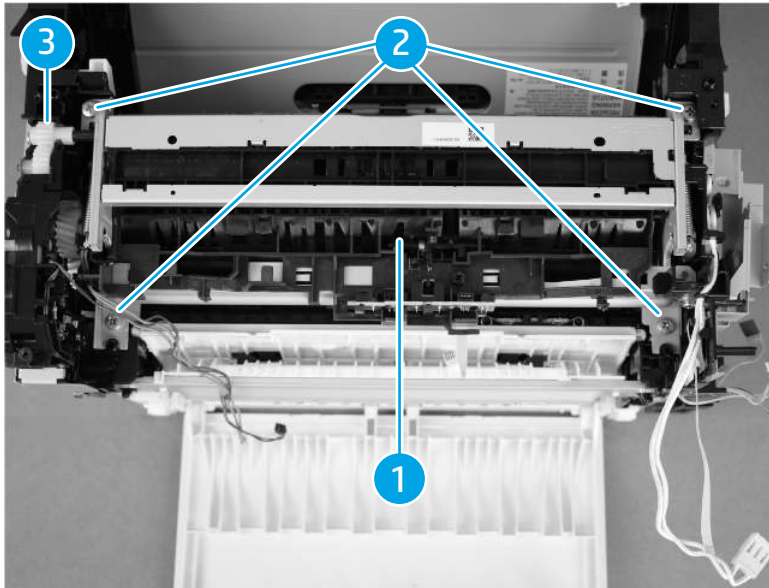


Install the fuser (MFP)

 **TIP:** [Unpack the replacement assembly on page 13.](#)

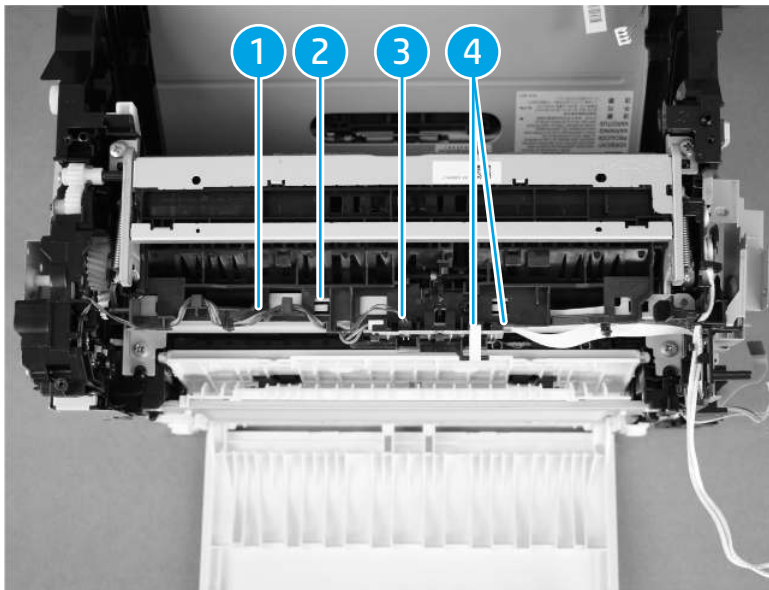
1. Position the fuser (callout 1) and install four screws (callout 2) and then install the gear (callout 3).

Figure 1-244 Install the fuser (MFP)



2. Connect the cable (callout 1) to the cable guide (callout 2). Connect one connector (callout 3), and install two FFCs (callout 4).

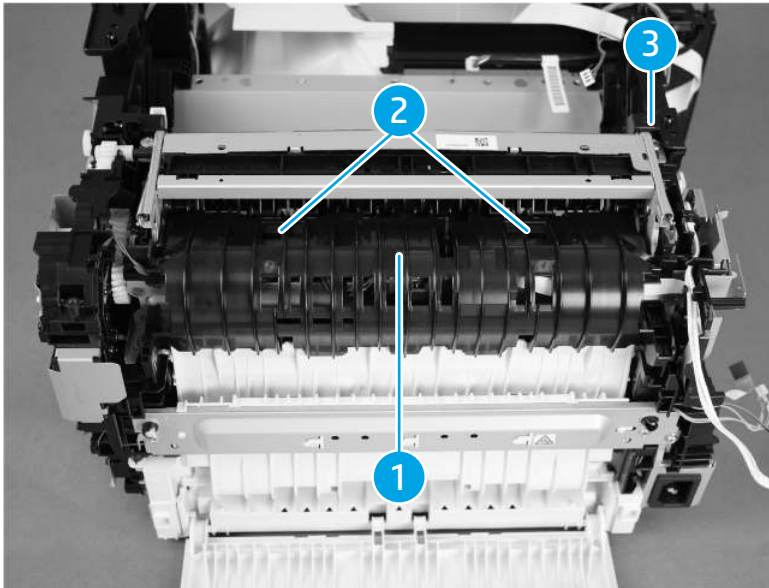
Figure 1-245 Connect one connector (MFP)



3. Position the duplex reverse guide (callout 1), and engage two tabs (callout 2).

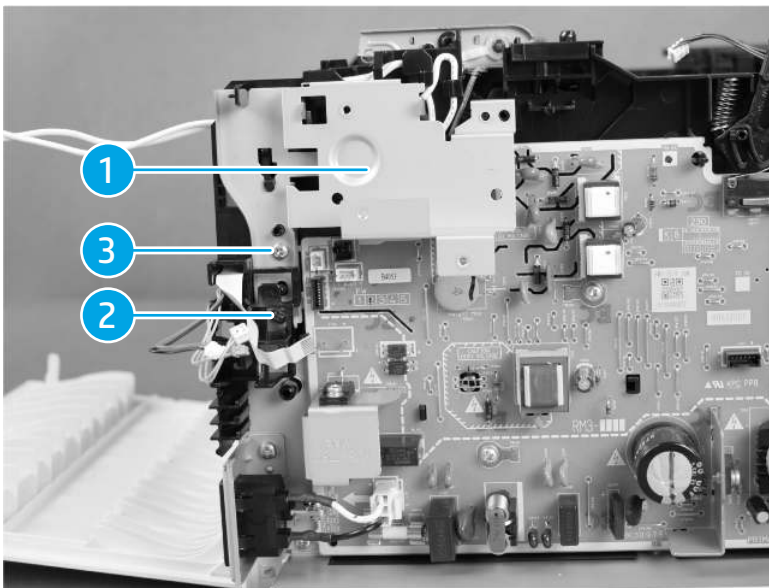
4. Install the cartridge keying guide (callout 3).

Figure 1-246 Install the cartridge keying guide



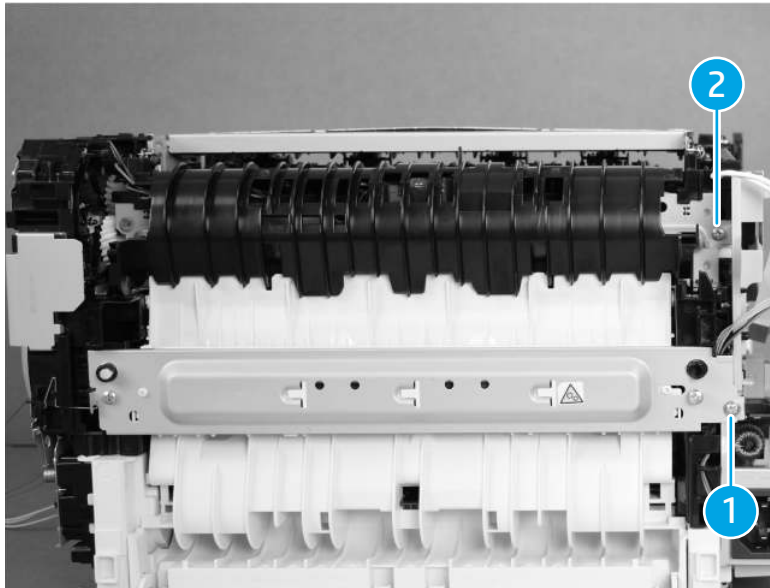
5. Position the stay (callout 1), install one screw with washer (callout 2) and install one screw (callout 3).

Figure 1-247 Position the stay



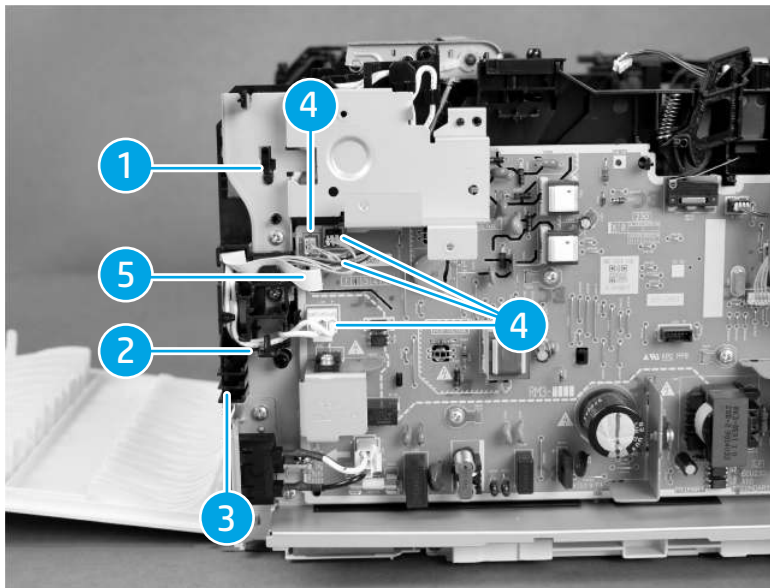
6. Install one tapping screw (callout 1), and install one screw with washer (callout 2).

Figure 1-248 Install one tapping screw



7. Slide the cable guide (callout 3) and install it, and then engage one tab (callout 1).
8. Install the FFC (callout 5) to the cable guide (callout 3), and connect the cable (callout 2).
9. Connect the four connectors (callout 4), and install the FFC (callout 5).

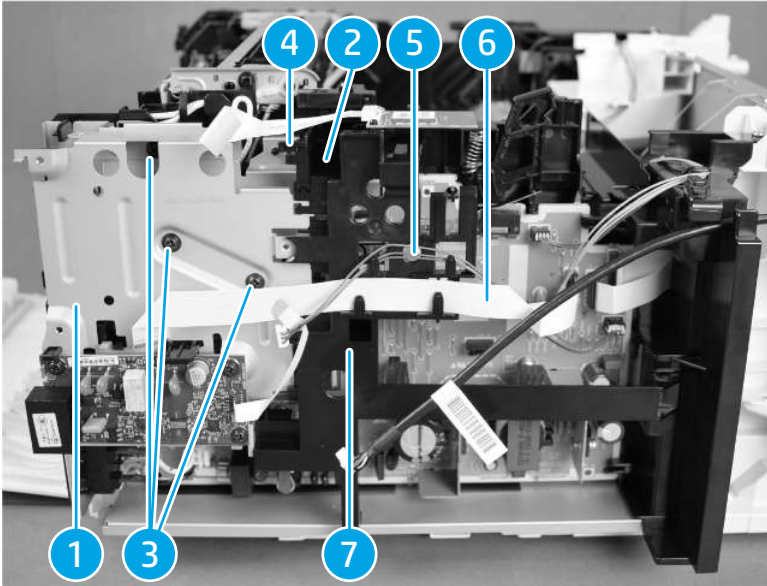
Figure 1-249 Connect the two connectors



10. Install the formatter stay (callout 1) and the cable guide (callout 7) together.
11. Engage one tab (callout 2).
12. Install three black screws (callout 3) and install one screw (callout 4).

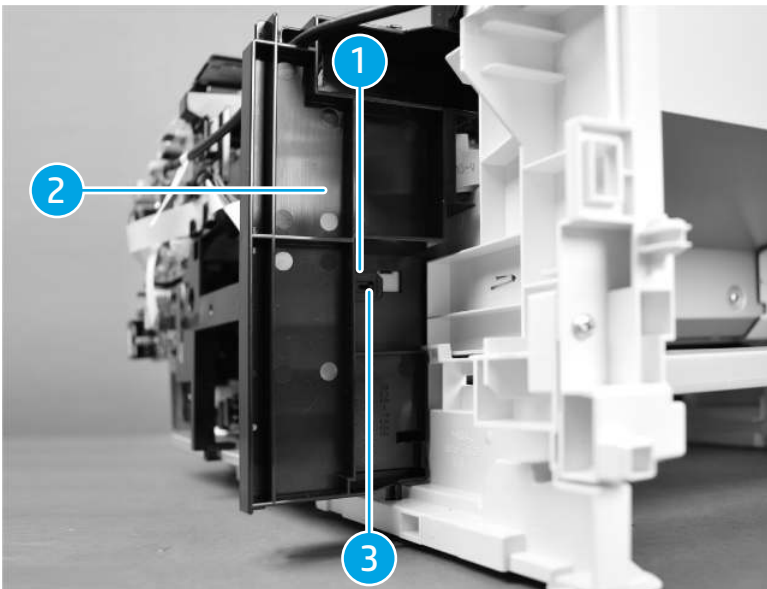
13. Install the cable (callout 5) to the cable guide (callout 7) and install the FFC (callout 6) to the cable guide (callout 7).

Figure 1-250 Install the cable



14. Install the cable guide (callout 1) to the ECU cover (callout 2).
15. Engage one tab (callout 3).

Figure 1-251 Engage one tab



After installing the fuser (MFP):

- [Install the formatter PCB \(MFP\) on page 168](#)
- [Install the top cover assembly \(MFP\) on page 58](#)
- [Install the cartridge door assembly \(MFP\) on page 51](#)

- [Install the image scanner assembly \(MFP\) on page 45](#)
- [Install the right cover assembly \(MFP\) on page 41](#)
- [Install the left cover assembly \(MFP\) on page 39](#)
- [Install the front cover assembly \(MFP\) on page 36](#)

Removal and replacement: BIAS PCB assembly (MFP)

This document provides the procedures to remove and replace the BIAS PCB assembly.

Before performing service

Turn the printer power off

- Disconnect the power cable

⚠ WARNING! To avoid damage to the printer, turn the printer off, wait for 30 seconds, and then remove the power cable before attempting to service the printer.

Use the table below to identify the correct part number for your printer. To order the part, go to www.hp.com/buy/parts.

Table 1-42 Part information

Part number	Part description
RM3-7861-000CN	BIAS PCB assembly

Required tools

- #2 Phillips screwdriver with a magnetic tip
- Small flat-blade screwdriver

After performing service

Turn the printer power on

- Connect the power cable
- Use the power switch to turn the power on

Post service test

Verify that the document feeder and the flatbed scanner are correctly functioning (copy a page).

Try to print a page and verify the print.

Before proceeding, remove the following parts

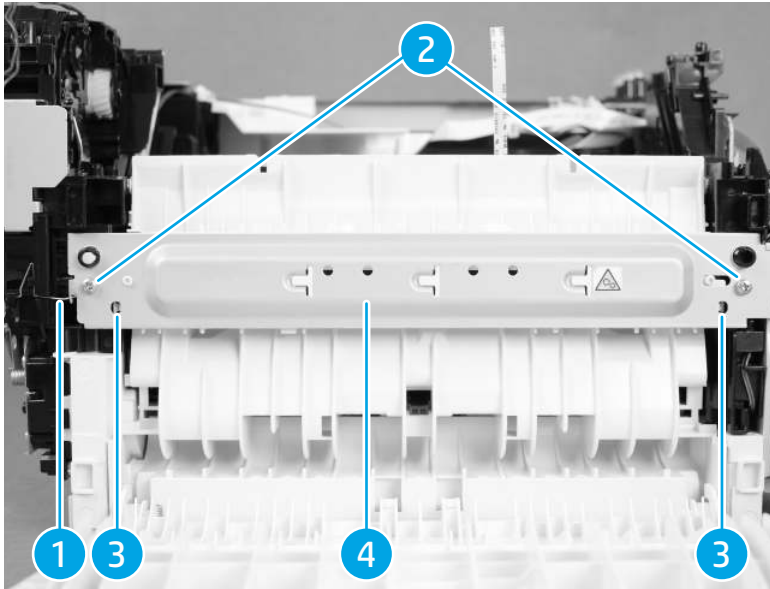
- [Remove the front cover assembly \(MFP\) on page 36](#)
- [Remove the left cover assembly \(MFP\) on page 38](#)
- [Remove the right cover assembly \(MFP\) on page 41](#)
- [Remove the image scanner \(MFP\) on page 43](#)

- [Remove the cartridge door assembly \(MFP\) on page 49](#)
- [Remove the top cover assembly \(MFP\) on page 54](#)

Remove the BIAS PCB (MFP)

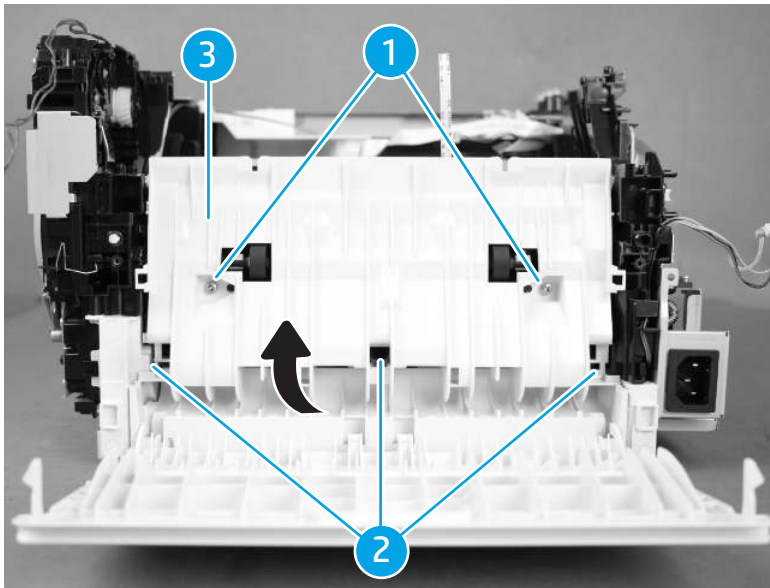
1. Unhook one spring (callout 1), and remove two screws (callout 2).
2. Release two tabs (callout 3), and remove the duplex registration guide (callout 4).

Figure 1-252 Release two tabs



3. Remove two screws (callout 1), and release three tabs (callout 2).
4. Rotate the duplex feed guide (callout 3) in the direction that the arrow indicates and remove it.

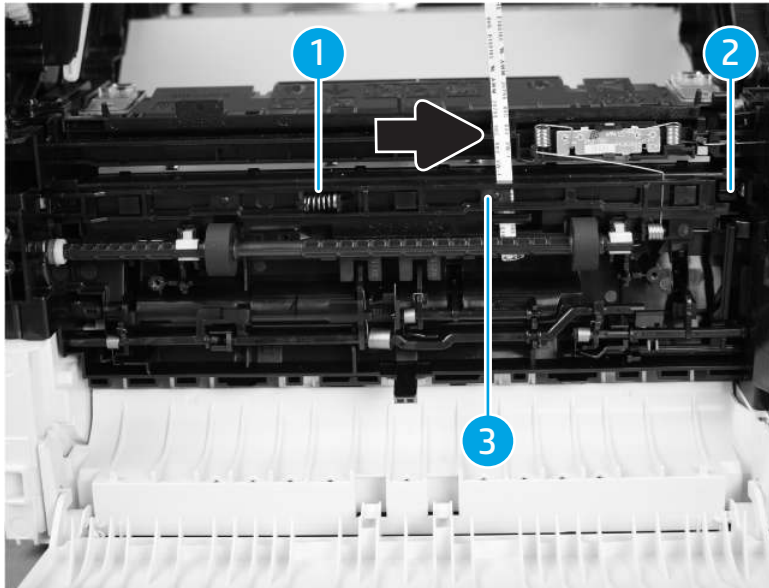
Figure 1-253 Remove two screws



5. Unhook one spring (callout 1), and remove the bushing (callout 2).

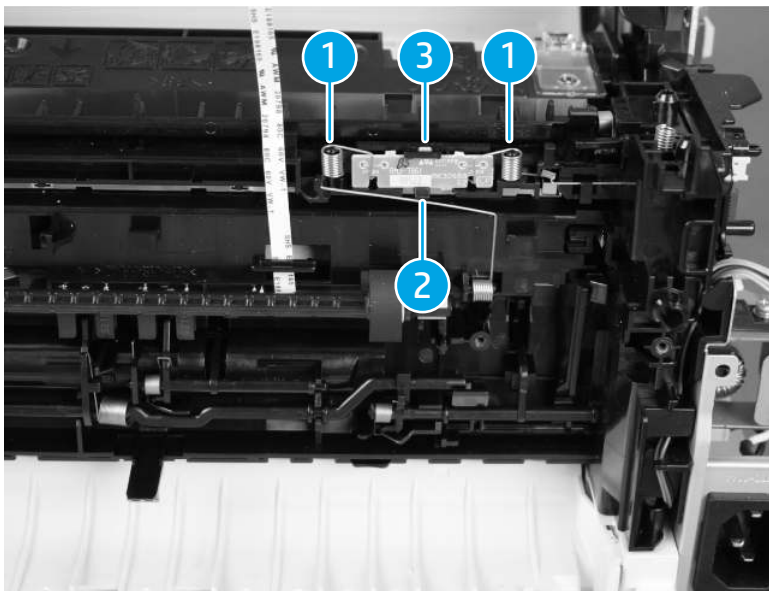
- Slide the slider (callout 3) in the direction that arrow indicates and remove it.

Figure 1-254 Unhook one spring



- Unhook two springs (callout 1), and release one tab (callout 2).
- Remove the BIAS PCB (callout 3).

Figure 1-255 Remove the BIAS PCB



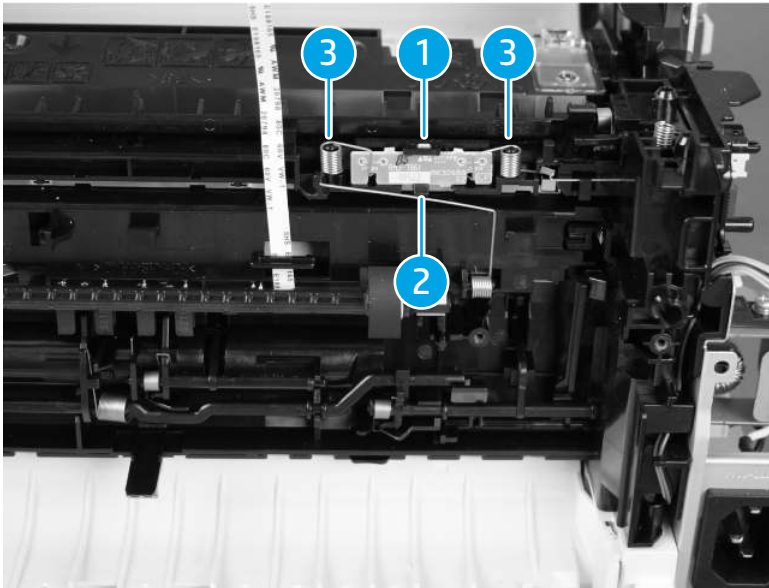
Install the BIAS PCB (MFP)

 **TIP:** [Unpack the replacement assembly on page 13.](#)

- Position the BIAS PCB (callout 1).

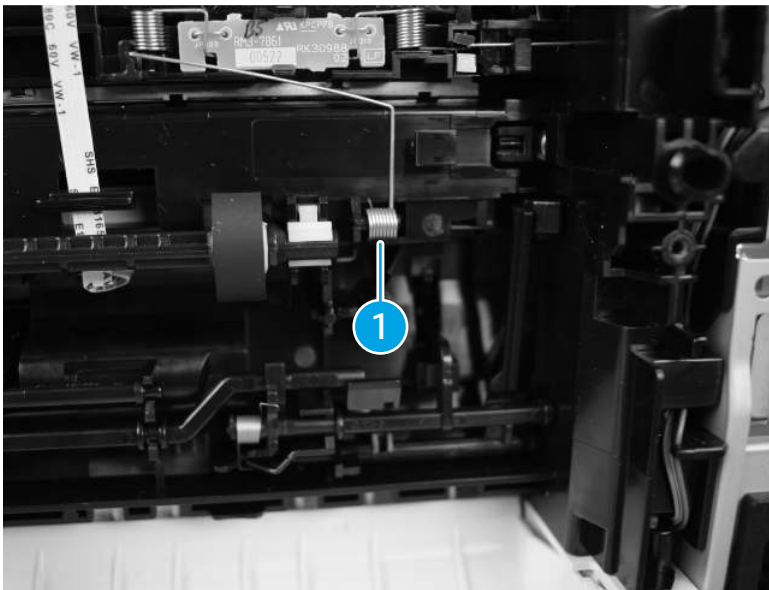
2. Engage one tab (callout 2), and hook two springs (callout 3).

Figure 1-256 Position the BIAS PCB



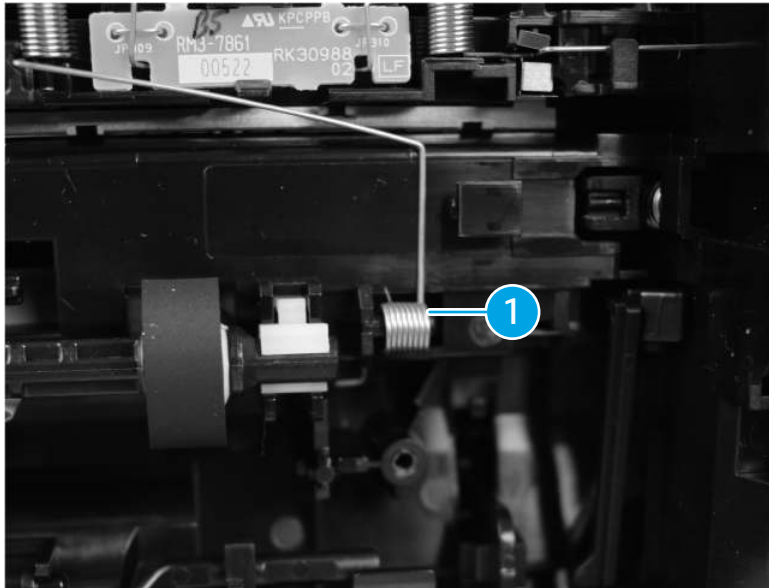
3. Make sure the spring (callout 1) is installed in the correct position.

Figure 1-257 Spring position



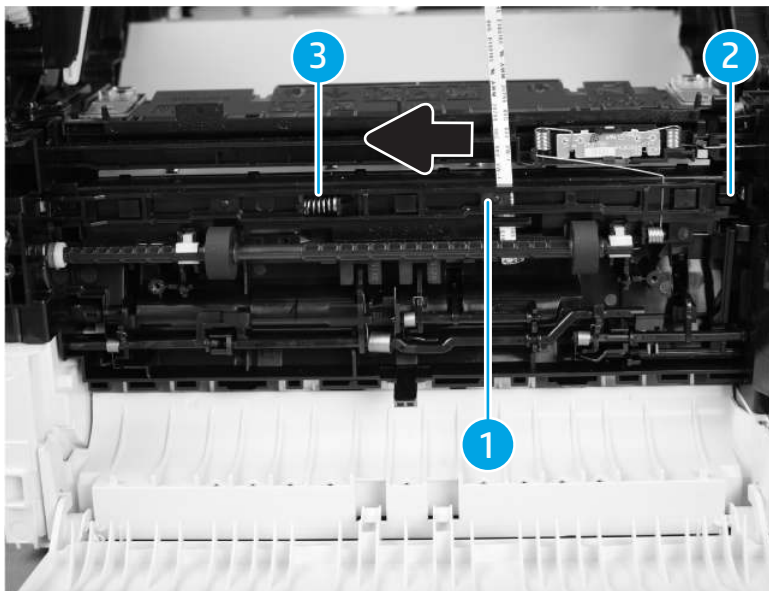
4. The correct position of spring (callout 1).

Figure 1-258 Correct position of the spring



5. Slide the slider (callout 1) in the direction that arrow indicates and install it.
6. Install the bushing (callout 2), and hook one spring (callout 3).

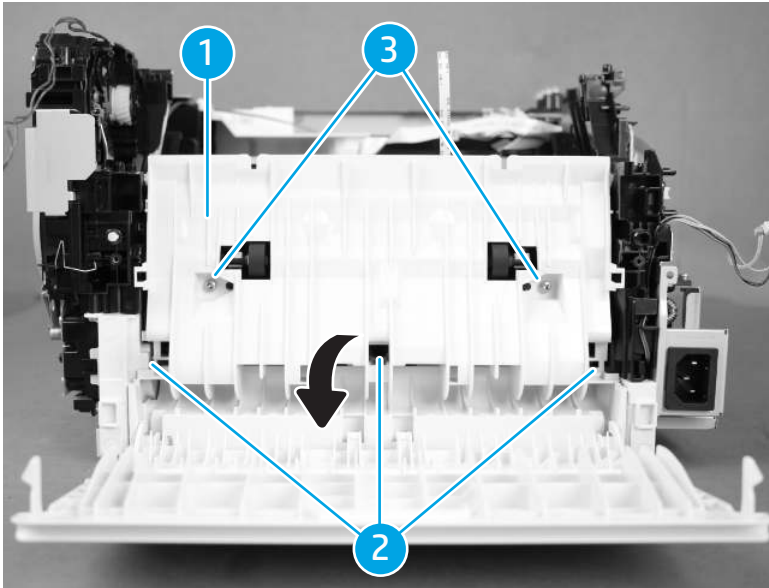
Figure 1-259 Hook one spring



7. Rotate the duplex feed (callout 1) in the direction that the arrow indicates and install it.

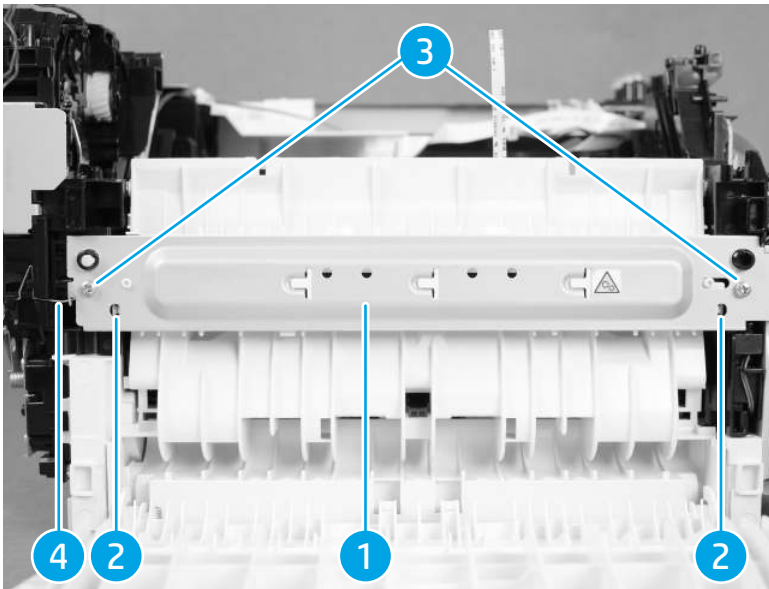
- Engage three tabs (callout 2), and install two screws (callout 3).

Figure 1-260 Engage three tabs



- Position the duplex registration guide (callout 1), and engage two tabs (callout 2).
- Install two screws (callout 3), and hook one spring (callout 4).

Figure 1-261 Hook one spring



After installing the BIAS PCB (SFP):

- [Install the top cover assembly \(MFP\) on page 58](#)
- [Install the cartridge door assembly \(MFP\) on page 51](#)
- [Install the image scanner assembly \(MFP\) on page 45](#)

- [Install the right cover assembly \(MFP\) on page 41](#)
- [Install the left cover assembly \(MFP\) on page 39](#)
- [Install the front cover assembly \(MFP\) on page 36](#)

Removal and replacement: Registration sensor PCB (MFP)

This document provides the procedures to remove and replace the registration sensor PCB.

Before performing service

Turn the printer power off

- Disconnect the power cable

⚠ WARNING! To avoid damage to the printer, turn the printer off, wait for 30 seconds, and then remove the power cable before attempting to service the printer.

Use the table below to identify the correct part number for your printer. To order the part, go to www.hp.com/buy/parts.

Table 1-43 Part information

Part number	Part description
RM3-7858-000CN	Registration sensor PCB assembly

Required tools

- #2 Phillips screwdriver with a magnetic tip
- Small flat-blade screwdriver

After performing service

Turn the printer power on

- Connect the power cable
- Use the power switch to turn the power on

Post service test

Verify that the document feeder and the flatbed scanner are correctly functioning (copy a page).

Try to print a page and verify the print.

Before proceeding, remove the following parts

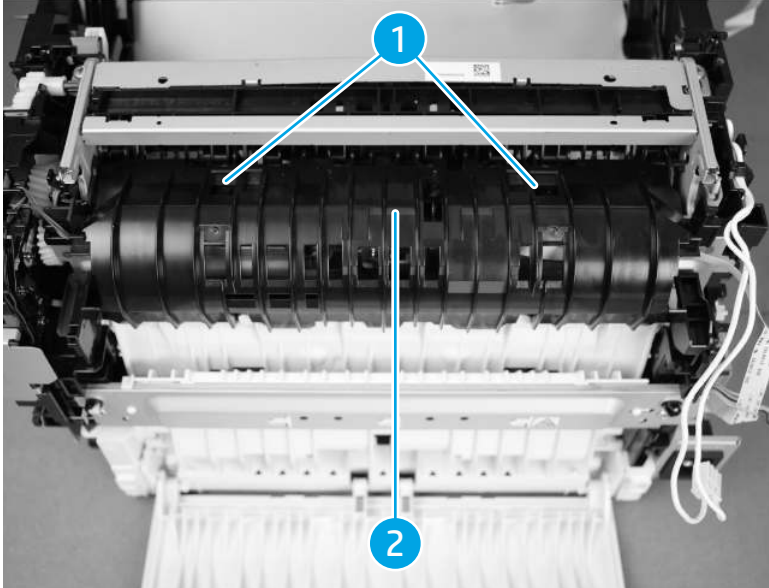
- [Remove the front cover assembly \(MFP\) on page 36](#)
- [Remove the left cover assembly \(MFP\) on page 38](#)
- [Remove the right cover assembly \(MFP\) on page 41](#)
- [Remove the image scanner \(MFP\) on page 43](#)
- [Remove the cartridge door assembly \(MFP\) on page 49](#)

- [Remove the top cover assembly \(MFP\) on page 54](#)

Remove the Registration sensor (MFP)

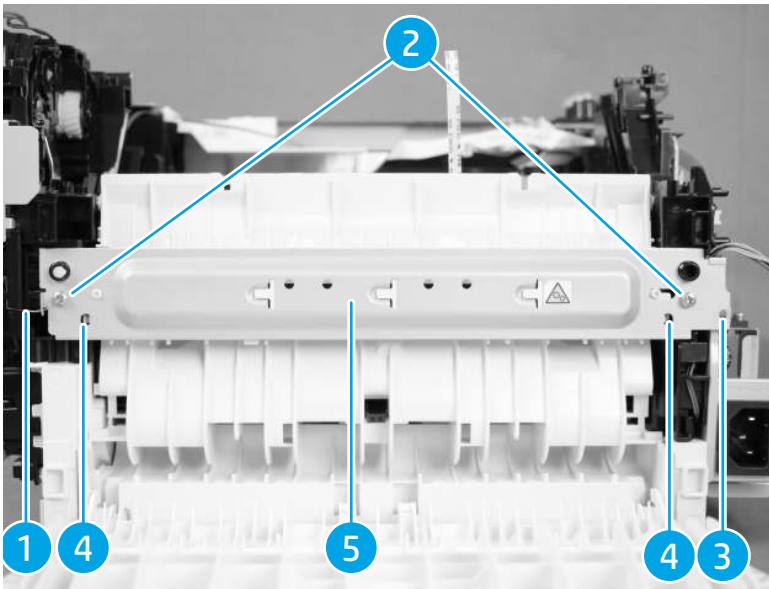
1. Release two tabs (callout 1), and remove the duplex reverse guide (callout 2).

Figure 1-262 Release two tabs



2. Unhook one spring (callout 1), and remove two screws (callout 2).
3. Remove one tapping screw (callout 3), and release two tabs (callout 4).
4. Remove the duplex registration guide (callout 5).

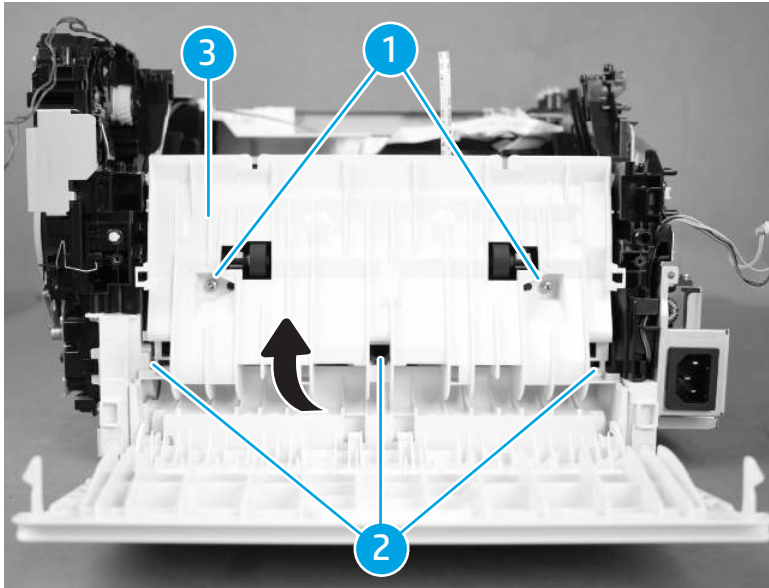
Figure 1-263 Remove the duplex registration guide



5. Remove two screws (callout 1), and release three tabs (callout 2).

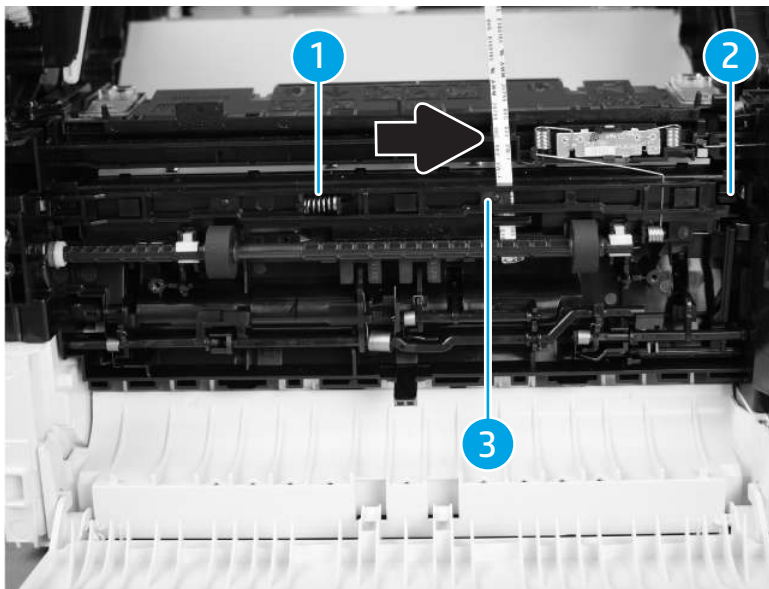
6. Rotate the duplex feed guide (callout 3) in the direction that the arrow indicates and remove it.

Figure 1-264 Remove the feed guide



7. Unhook one spring (callout 1), remove the bushing (callout 2).
8. Slide the slider (callout 3) in the direction that arrow indicates and remove it.

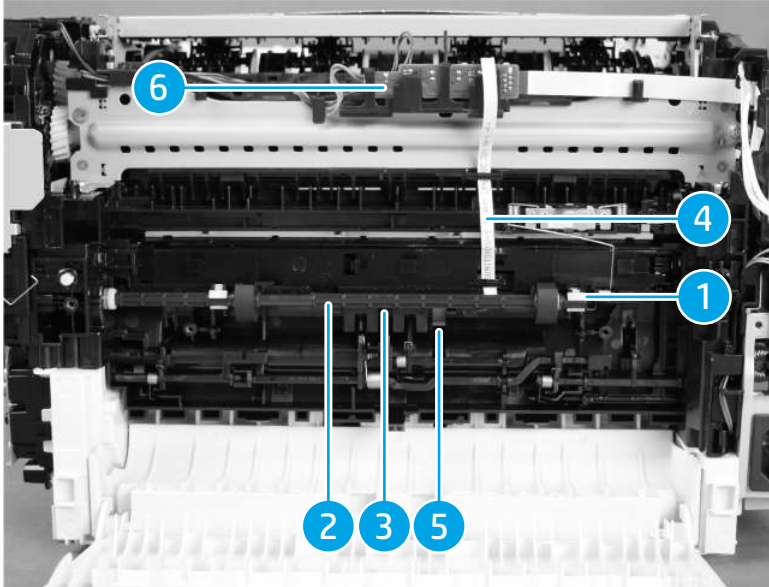
Figure 1-265 Remove the slider



9. Pull the bushing (callout 1) toward you to lift the duplex feed roller (callout 2) a little.
10. Remove the FFC (callout 4) from the registration sensor PCB (callout 3).
11. When replacing the FFC (callout 4), go to step 13.
12. Release one tab (callout 5) and remove the registration sensor PCB (callout 3).

13. Remove the FFC (callout 4) from the fixing output sensor PCB (callout 6).

Figure 1-266 Remove the FFC

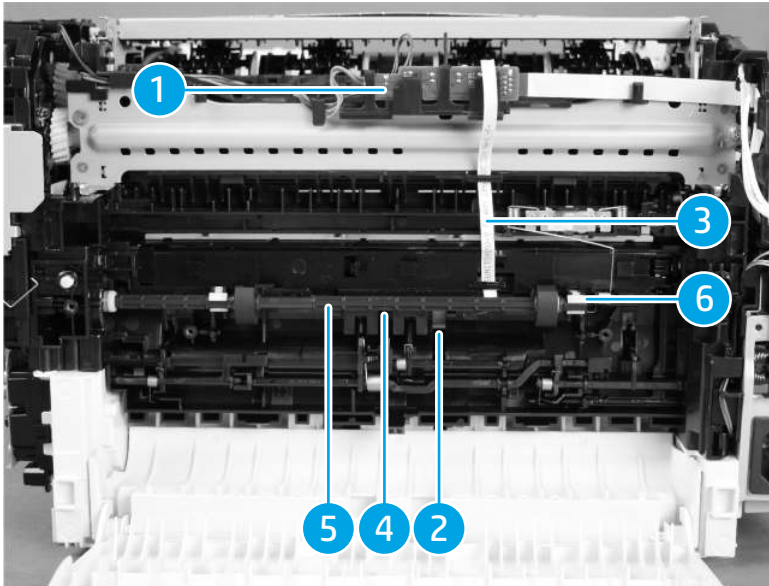


Install the Registration sensor (MFP)

 **TIP:** [Unpack the replacement assembly on page 13.](#)

1. Install the FFC (callout 3) to the fuser output sensor PCB (callout 1).
2. Position the Registration sensor PCB (callout 4) and install one tab (callout 2).
3. Install the FFC (callout 3) to the registration sensor PCB (callout 4).
4. Position the duplex feed roller (callout 5) and push the bushing (callout 6).

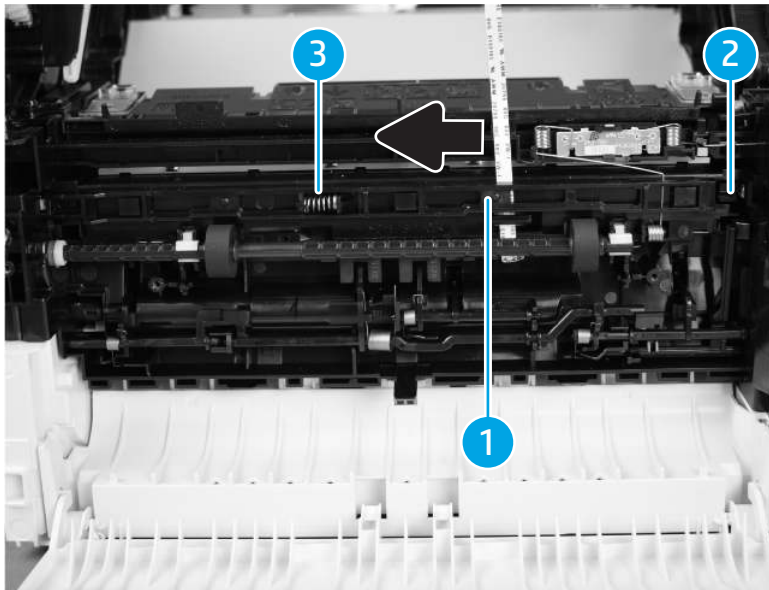
Figure 1-267 Remove the FFC



5. Slide the slider (callout 1) in the direction that arrow indicates, and install it.

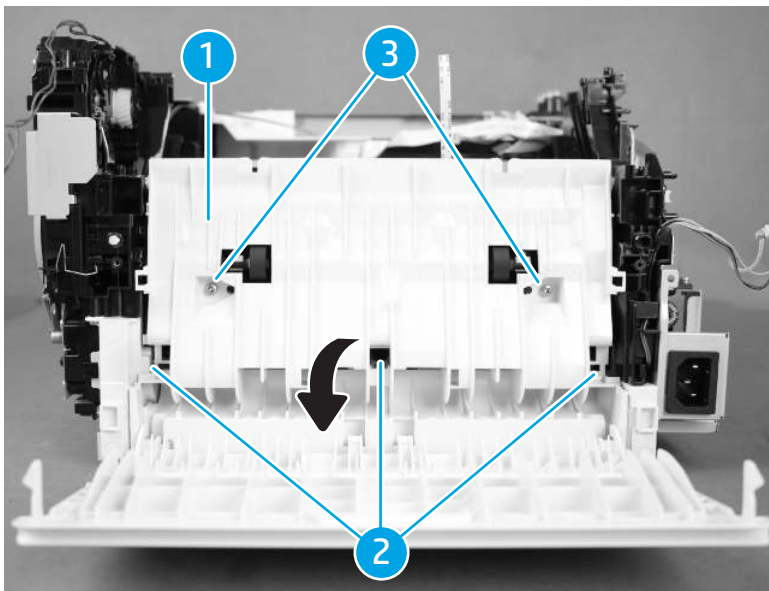
6. Install the bushing (callout 2), and hook one spring (callout 3).

Figure 1-268 Remove the slider



7. Rotate the duplex feed guide (callout 1) in the direction that the arrow indicates to install it.
8. Engage three tabs (callout 2), and install two screws (callout 3).

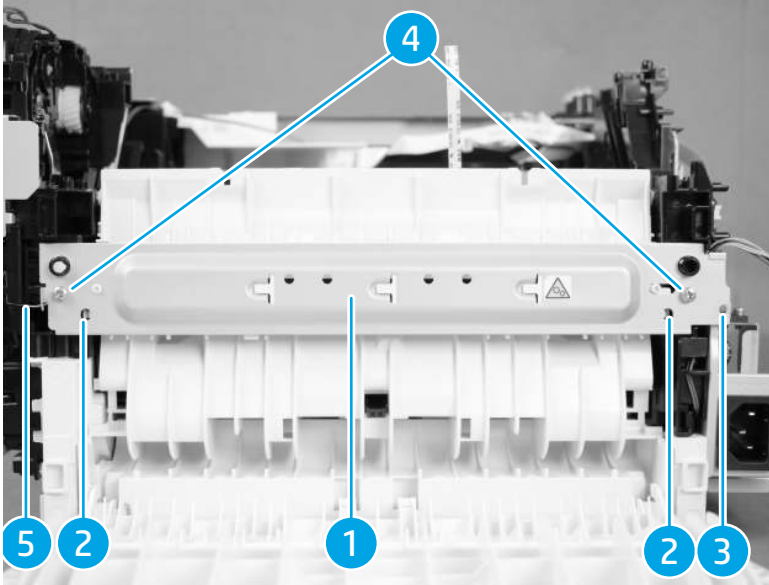
Figure 1-269 Install the duplex feed guide



9. Install the duplex registration guide (callout 1).
10. Install two tabs (callout 2), and install one tapping screw (callout 3).

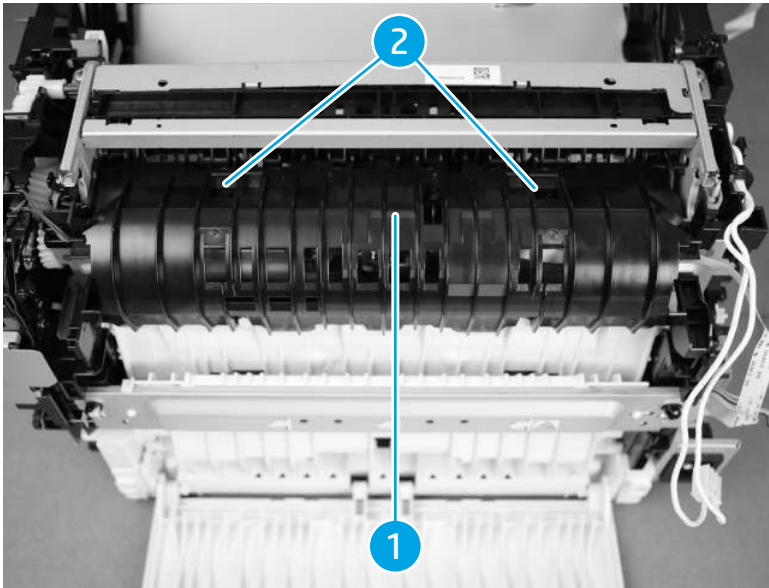
11. Install two screws (callout 4), and hook one spring (callout 5).

Figure 1-270 Install the duplex registration guide



12. Install the duplex reverse guide (callout 1), and engage two tabs (callout 2).

Figure 1-271 Install the duplex reverse guide



After installing the registration sensor (MFP):

- [Install the top cover assembly \(MFP\) on page 58](#)
- [Install the cartridge door assembly \(MFP\) on page 51](#)
- [Install the image scanner assembly \(MFP\) on page 45](#)
- [Install the right cover assembly \(MFP\) on page 41](#)

- [Install the left cover assembly \(MFP\) on page 39](#)
- [Install the front cover assembly \(MFP\) on page 36](#)

Removal and replacement: Engine controller PCB (MFP)

This document provides the procedures to remove and replace the engine controller PCB.

Before performing service

Turn the printer power off

- Disconnect the power cable

⚠ WARNING! To avoid damage to the printer, turn the printer off, wait for 30 seconds, and then remove the power cable before attempting to service the printer.

Use the table below to identify the correct part number for your printer. To order the part, go to www.hp.com/buy/parts.

Table 1-44 Part information

Part number	Part description
RM3-8173-000CN	Engine controller (110-127v)
RM3-8174-000CN	Engine controller (except China/India model - 110-127v)
RM3-8175-000CN	Engine controller (China/India model -220-240v)

Required tools

- #2 Phillips screwdriver with a magnetic tip
- Small flat-blade screwdriver

After performing service

Turn the printer power on

- Connect the power cable
- Use the power switch to turn the power on

Post service test

Verify that the document feeder and the flatbed scanner are correctly functioning (copy a page).

Before proceeding, remove the following parts

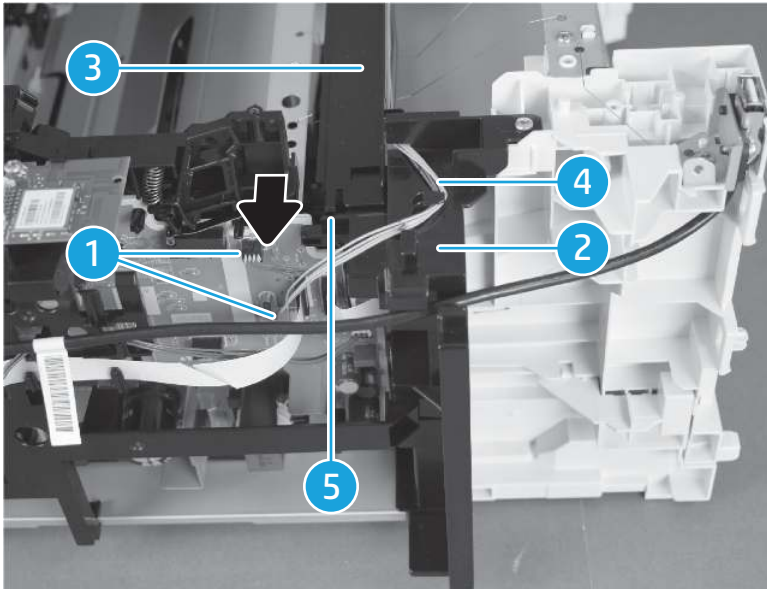
- [Remove the front cover assembly \(MFP\) on page 36](#)
- [Remove the left cover assembly \(MFP\) on page 38](#)
- [Remove the right cover assembly \(MFP\) on page 41](#)
- [Remove the image scanner \(MFP\) on page 43](#)
- [Remove the cartridge door assembly \(MFP\) on page 49](#)

- [Remove the top cover assembly \(MFP\) on page 54](#)
- [Removal and replacement: Formatter PCB \(MFP\) on page 166](#)

Remove the Engine Controller (MFP)

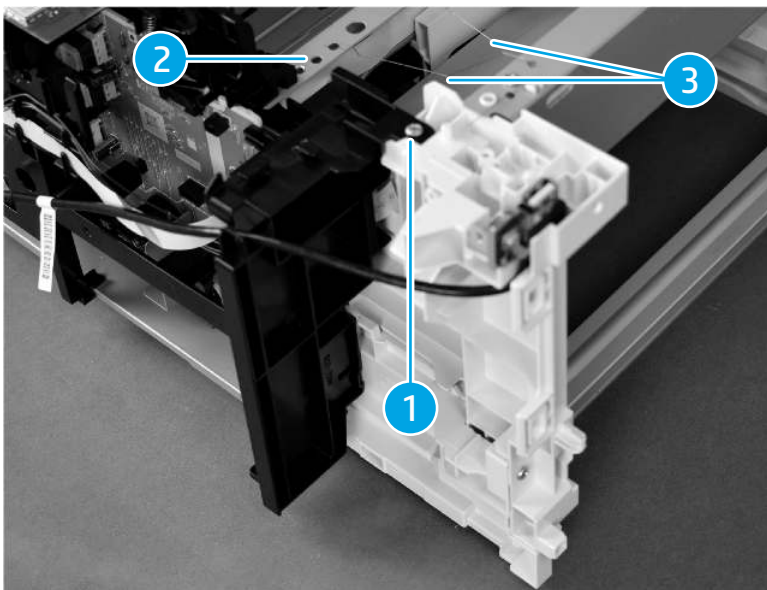
1. Disconnect one connector (callout 1).
2. Release the cable (callout 4) from the ECU cover (callout 2) and the duct (callout 3).
3. Release one tab (callout 5) and slide the duct (callout 3) in the direction that arrow indicates, and remove it.

Figure 1-272 Release one tab



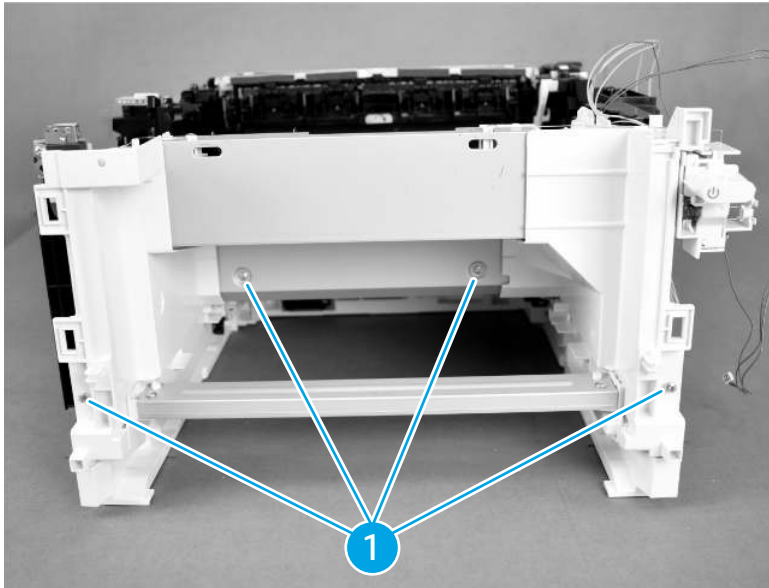
4. Remove one screw (callout 1) and unhook two springs (callout 3) from the plate (callout 2).

Figure 1-273 Unhook two springs



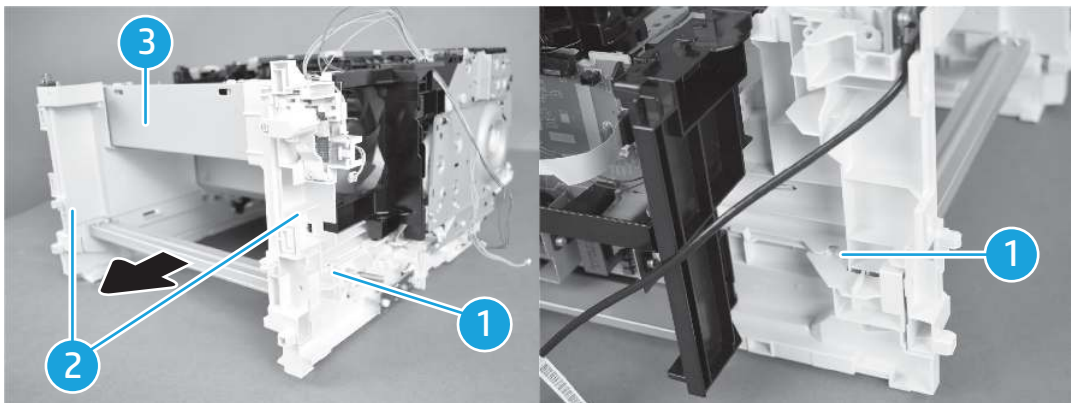
5. Remove four screws (callout 1).

Figure 1-274 Remove four screws



6. Release two tabs (callout 1).
7. Slide the front inner cover (callout 2) and front plate (callout 3) in the direction that arrow indicates and remove them.

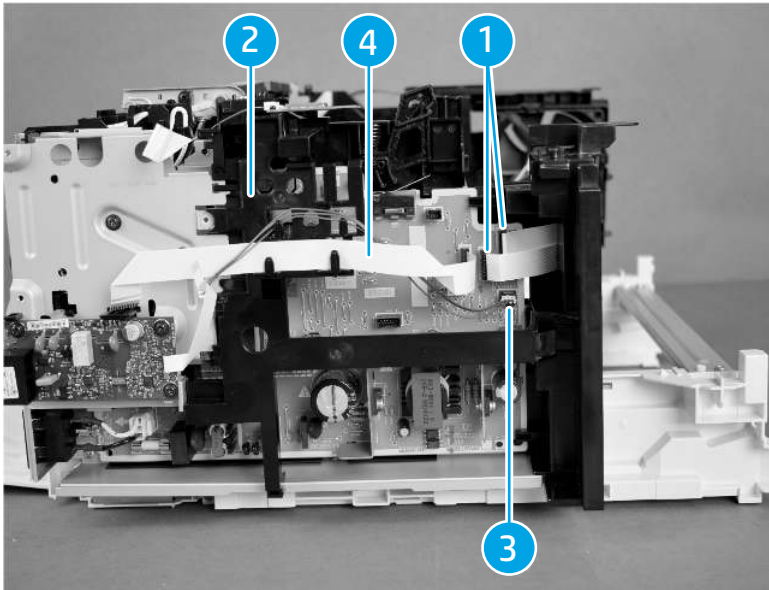
Figure 1-275 Slide the front inner cover



8. Remove two FFCs (callout 1).

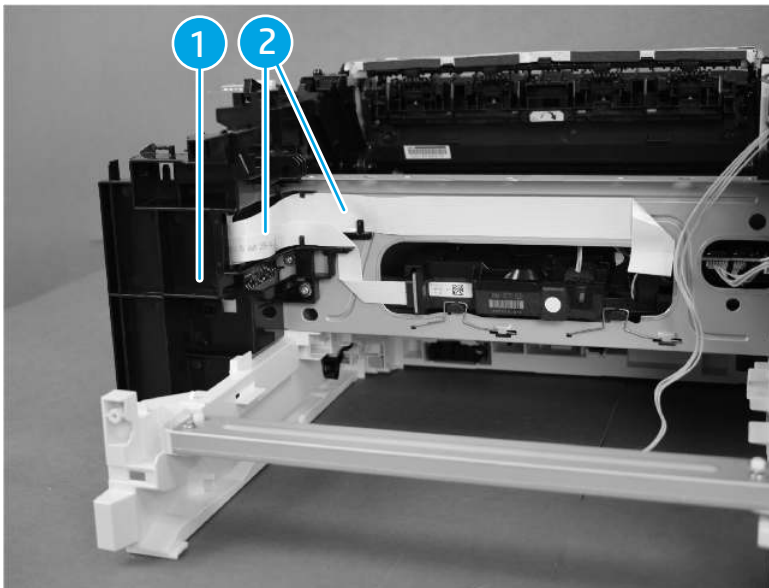
9. Release the cable (callout 3) and FFC (callout 4) from the cable guide (callout 2).

Figure 1-276 Remove the cable



10. Remove FFCs (callout 2) from the ECU cover (callout 1).

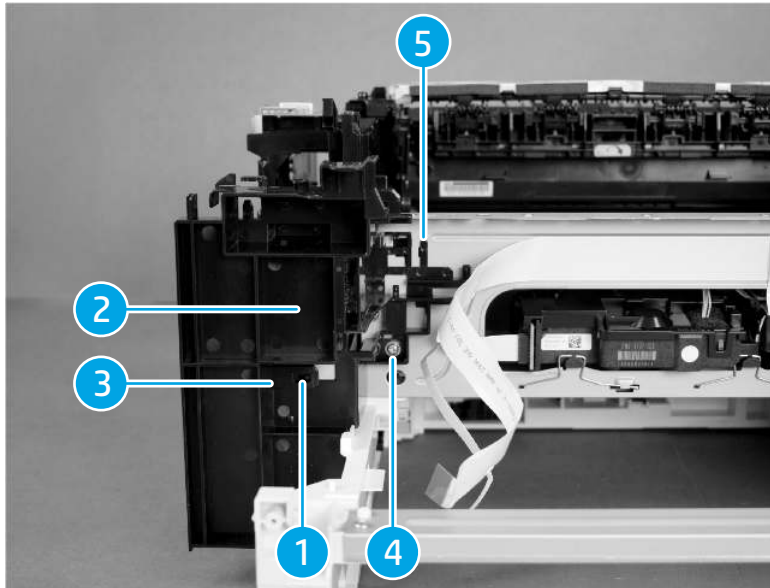
Figure 1-277 Remove FFCs



11. Release one tab (callout 1) and remove the cable guide (callout 3) from the ECU cover (callout 2).
12. Remove one screw (callout 4) and release one tab (callout 5).

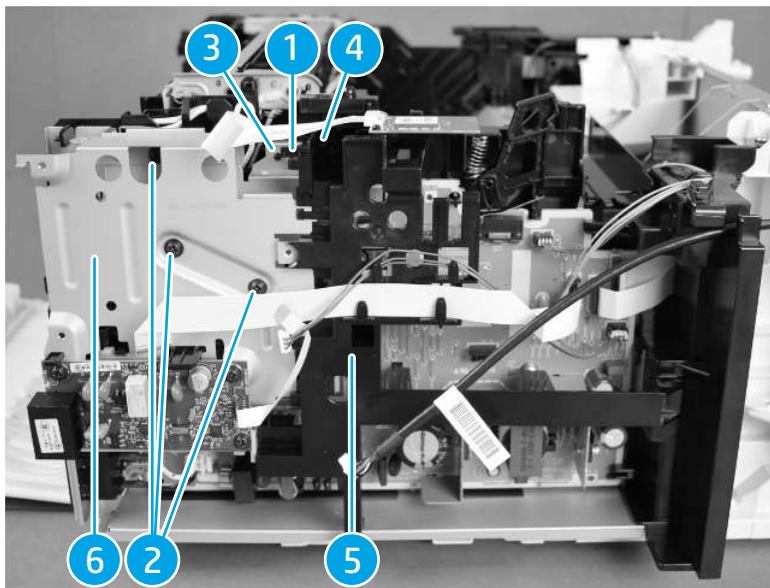
13. Slide the ECU cover (callout 3) upward to remove it.

Figure 1-278 Slide the ECU cover



14. Remove one screw (callout 1) and remove three black screws (callout 2).
15. Release one boss (callout 3) and release one tab (callout 4).
16. Remove the cable guide (callout 5) and the formatter stay (callout 6) together.

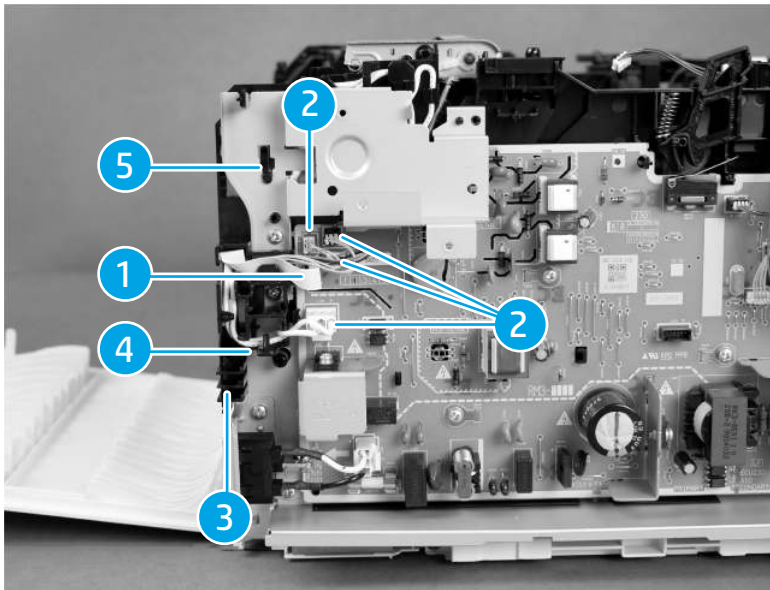
Figure 1-279 Remove the formatter



17. Remove the FFC (callout 1) and disconnect four connectors (callout 2).
18. Release the cable (callout 4) and FFC (callout 1) from the cable guide (callout 3).

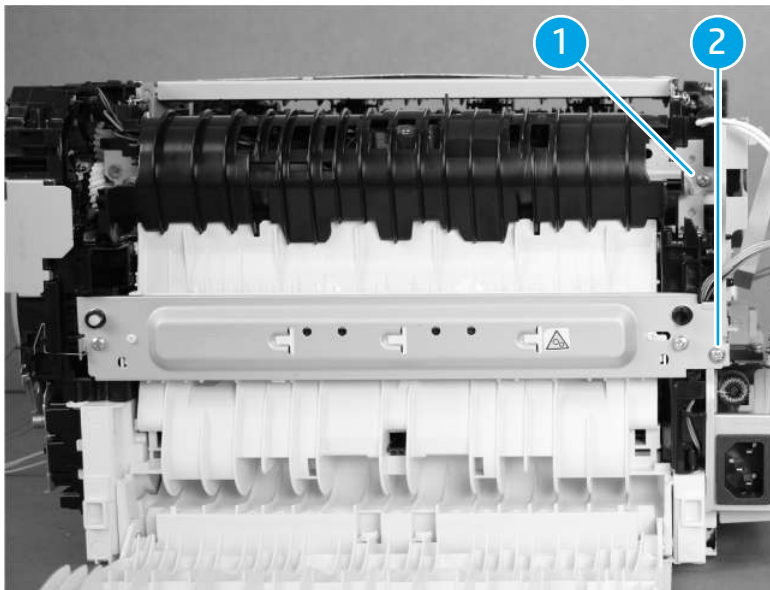
19. Release one tab (callout 5) and slide the cable guide (callout 3) upward to remove it.

Figure 1-280 Release one tab



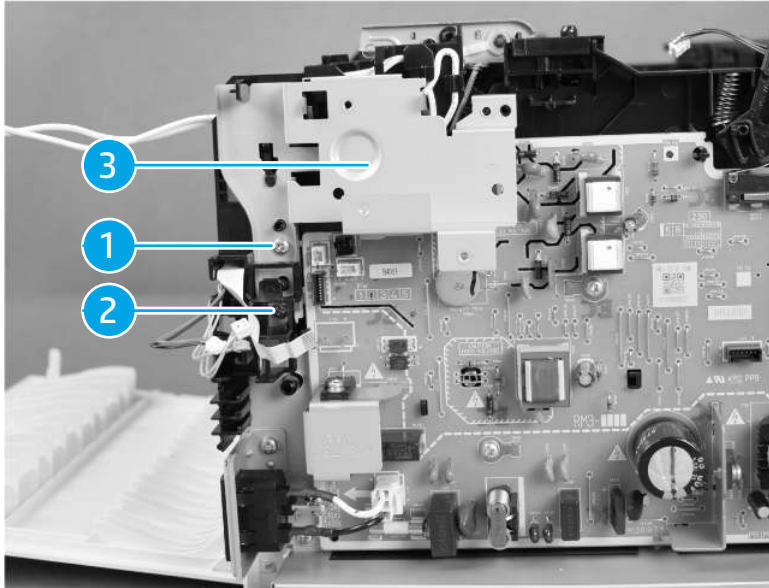
20. Remove one screw with washer (callout 1) and remove one tapping screw (callout 2).

Figure 1-281 Remove one tapping screw



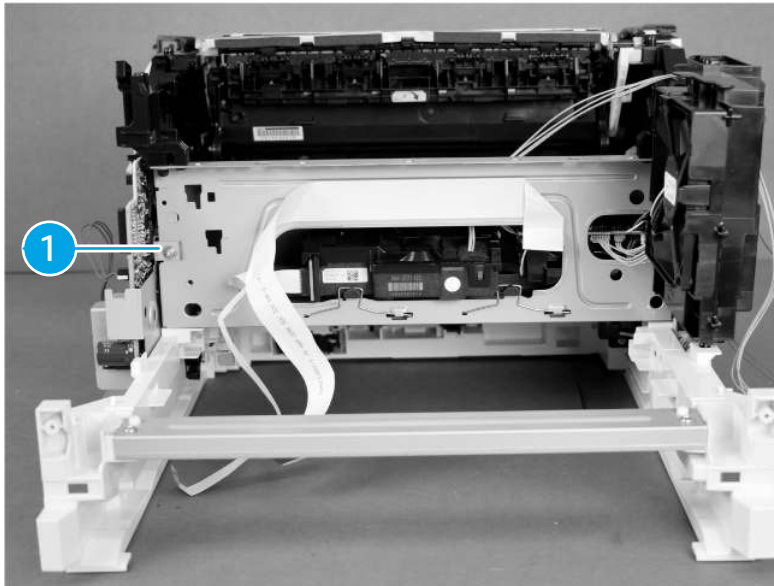
21. Remove one screw (callout 1) and remove one screw with washer (callout 2), and then remove the stay (callout 3).

Figure 1-282 Remove the stay



22. Remove one screw (callout 1).

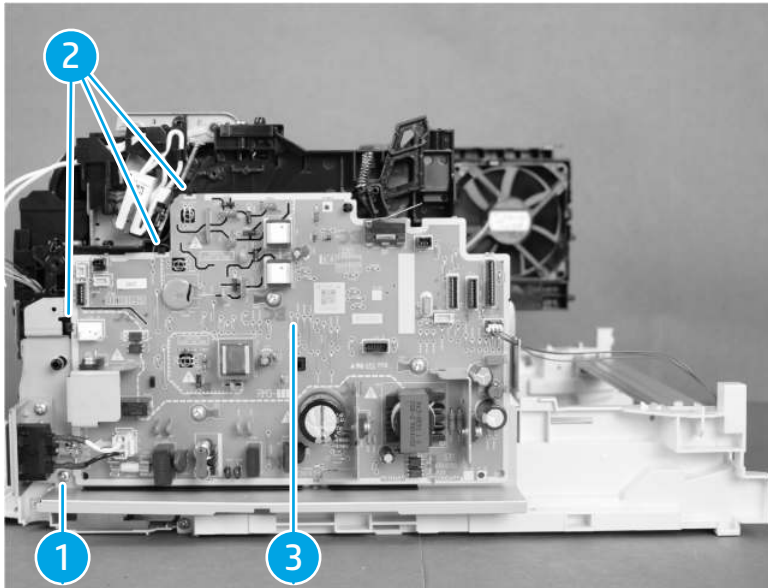
Figure 1-283 Remove one screw



23. Disconnect all connectors on the engine controller PCB and remove one screw (callout 1).

24. Release three tabs (callout 2) and remove the engine controller PCB (callout 3).

Figure 1-284 Remove the engine controller



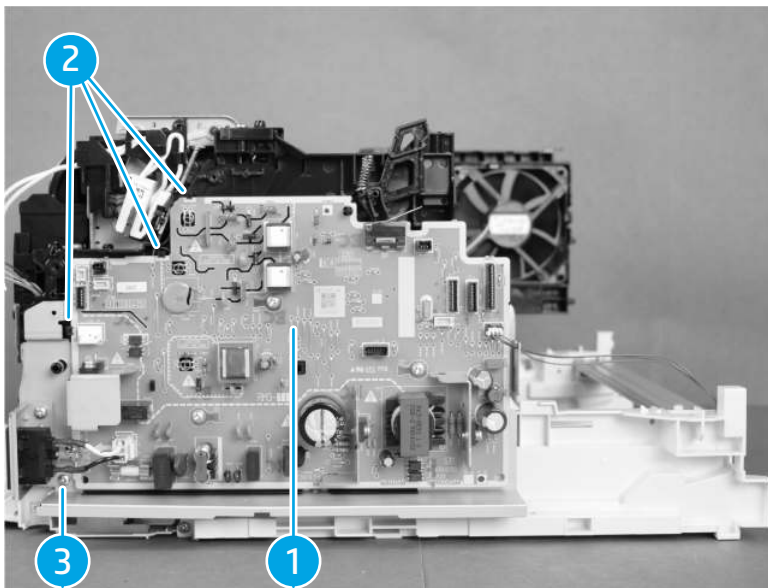
Install the engine controller (MFP)

 **TIP:** [Unpack the replacement assembly on page 13.](#)

 **IMPORTANT:** Make sure to re-pair the new engine controller (or formatter) after installing it in the printer. For more information, please see [Yeti repair app on page 6.](#)

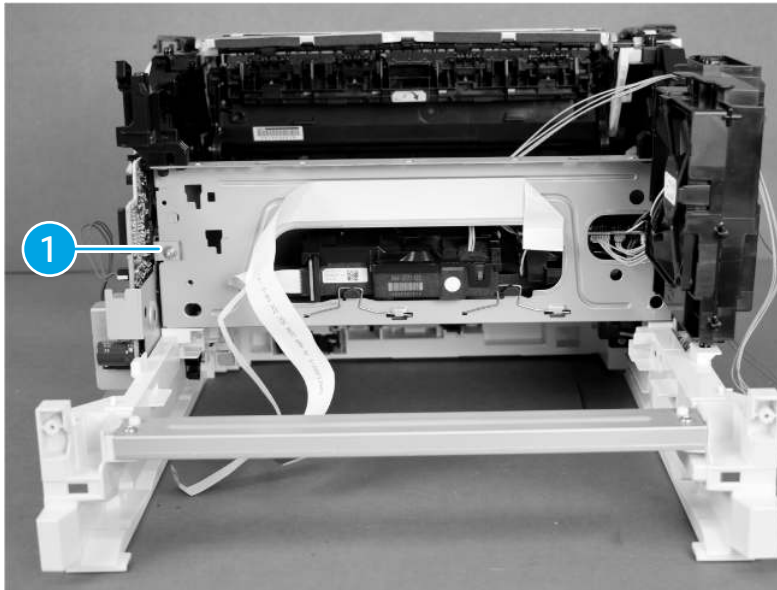
1. Position the engine controller PCB (callout 1) and engage three tabs (callout 2).
2. Install one screw (callout 3) and connect all connectors on the engine controller PCB.

Figure 1-285 Position the engine controller



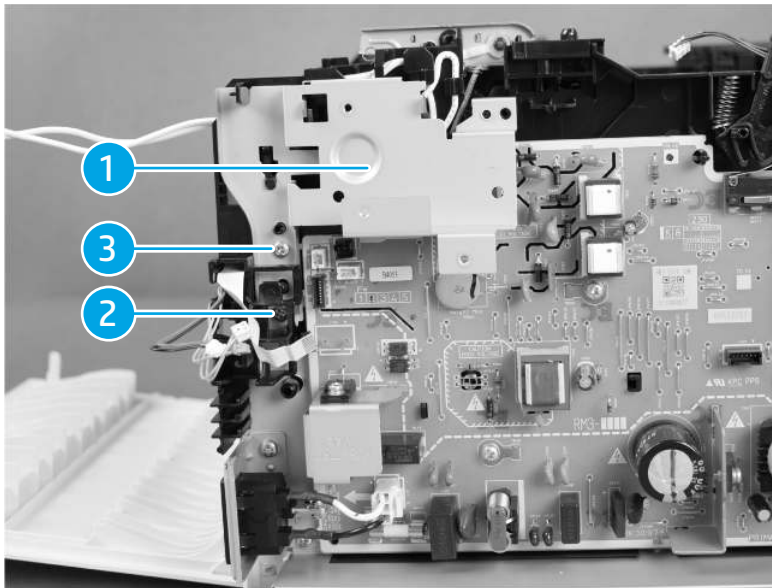
3. Install one screw (callout 1).

Figure 1-286 Install one screw



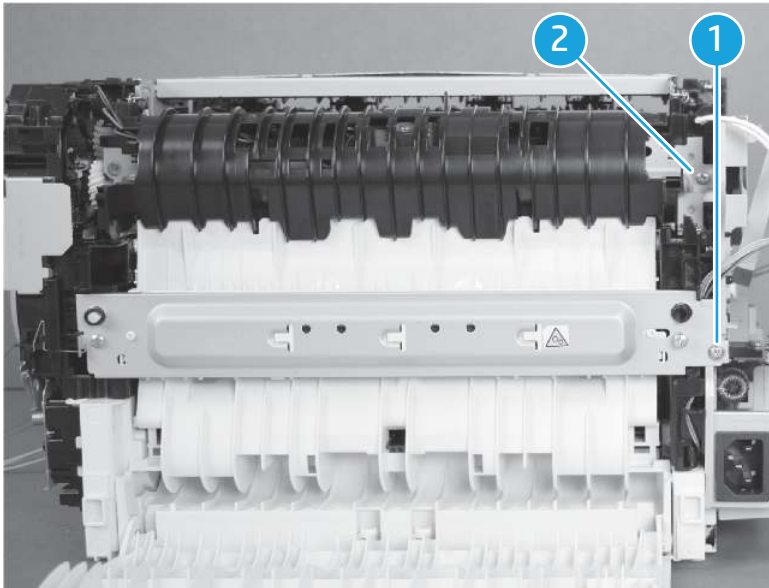
4. Position the stay (callout 1) and install once screw with the washer (callout 2) and then install one screw (callout 3).

Figure 1-287 Install one screw



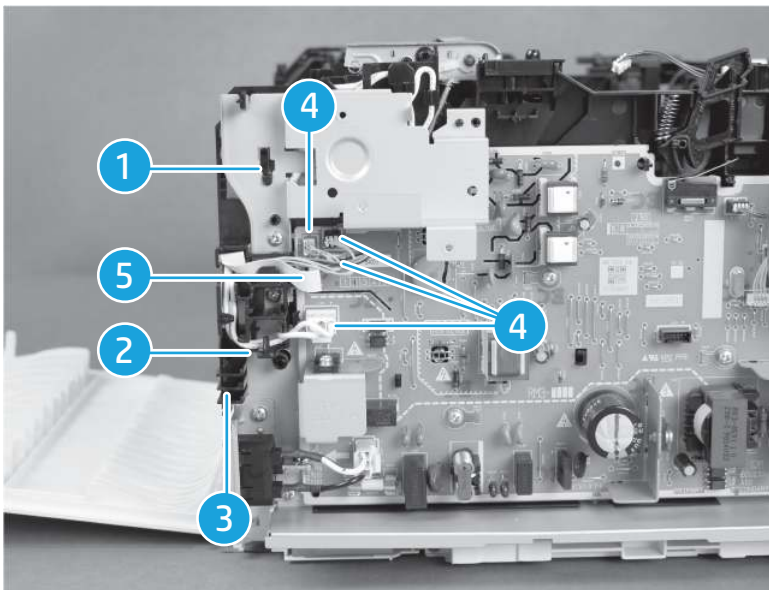
5. Install one tapping screw (callout 1) and install one screw with washer (callout 2).

Figure 1-288 Install one tapping screw



6. Slide the cable guide (callout 3) downward to install it and engage one tab (callout 1).
7. Install the cable (callout 2) and FFC (callout 5) to the cable guide (callout 3).
8. Connect four connectors (callout 4) and install the FFC (callout 5).

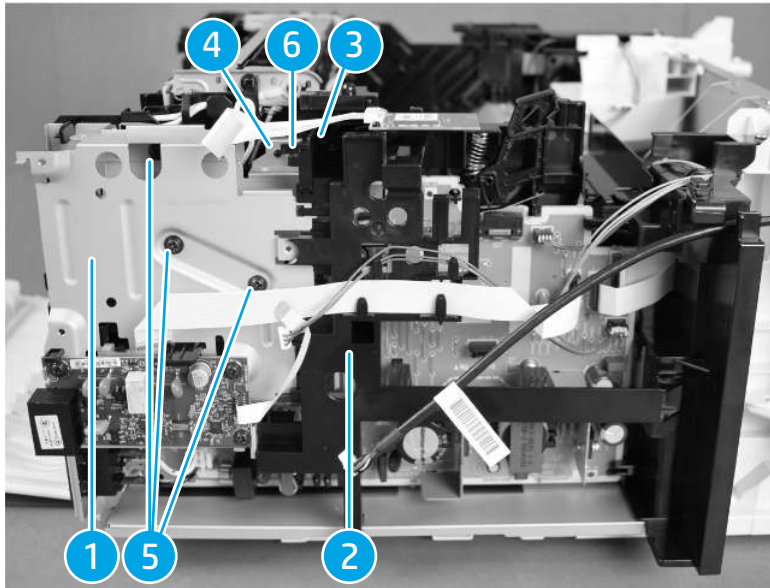
Figure 1-289 Connect four connectors



9. Install the formatter stay (callout 1) and the cable guide (callout 2) together.
10. Engage one tab (callout 3) and engage one boss (callout 4).

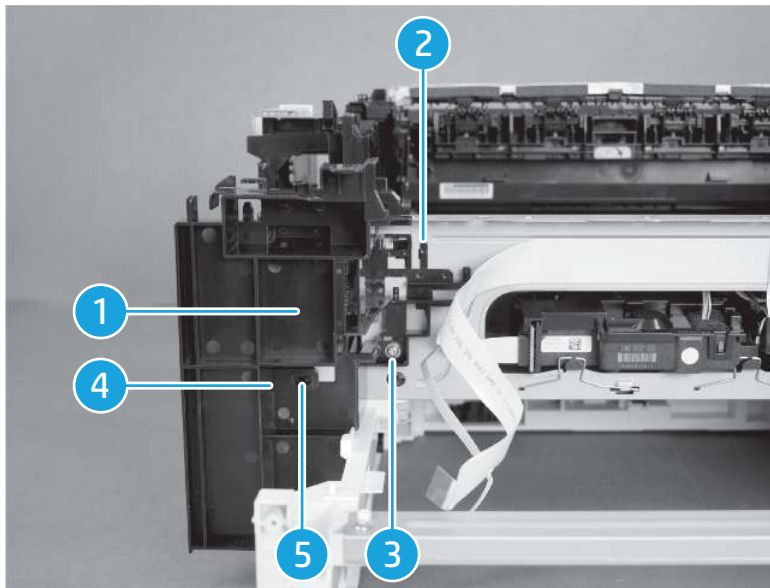
11. Install three black screws (callout 5 and install one screw (callout 6).

Figure 1-290 Install the formatter



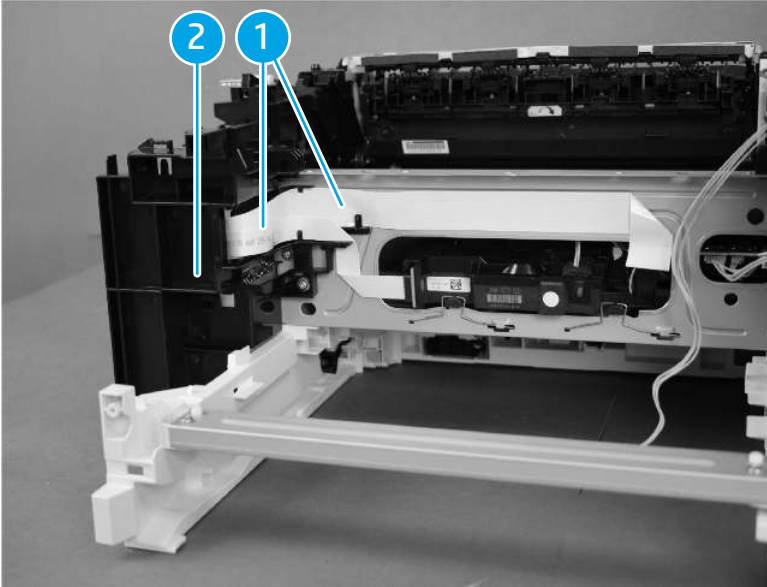
12. Position the ECU cover (callout 1) downward to install it.
13. Engage one tab (callout 2) and install one screw (callout 3).
14. Install the cable guide (callout 4) to the ECU cover (callout 1) and engage one tab (callout 5).

Figure 1-291 Install the cable guide



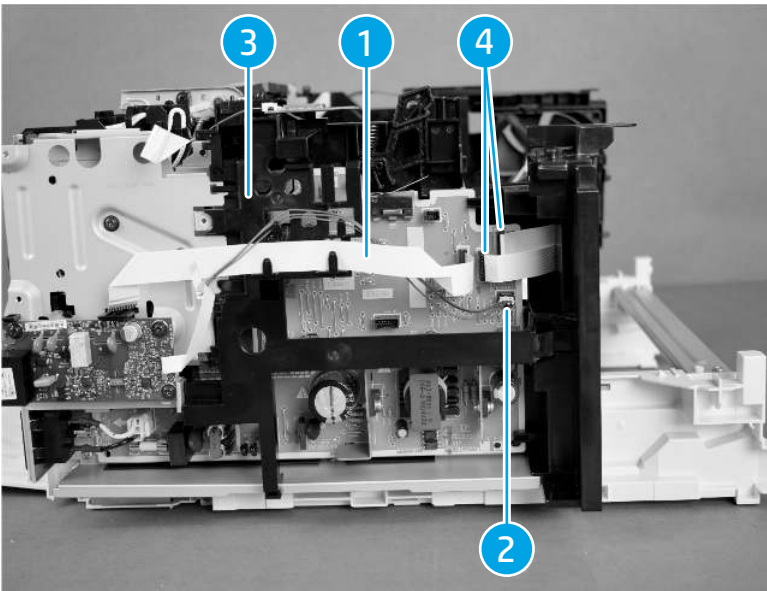
15. Install the FFCs (callout 1) to the ECU cover (callout 2).

Figure 1-292 Install the FFCs



16. Install the FFC (callout 1) and cable (callout 2) to the cable guide (callout 3).
17. Install two FFCs (callout 4).

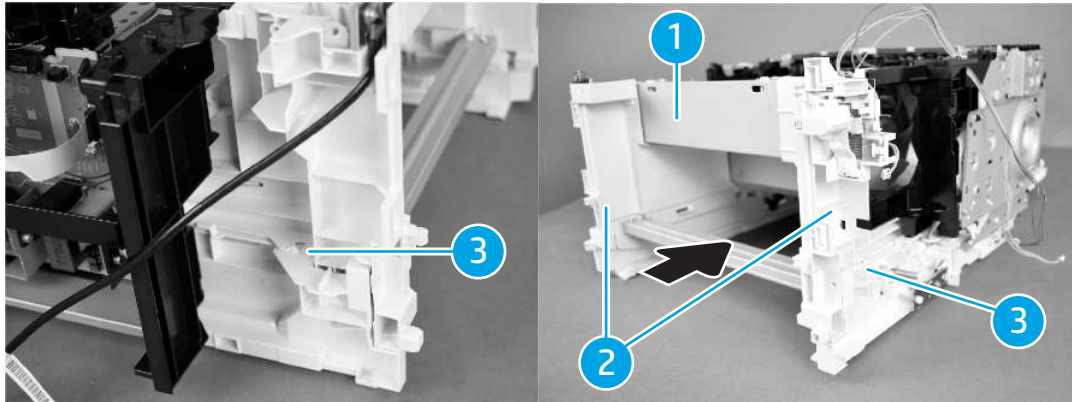
Figure 1-293 Install two FFCs



18. Slide the front plate (callout 1) and front inner cover (callout 2) in the direction that arrow indicates to install them.

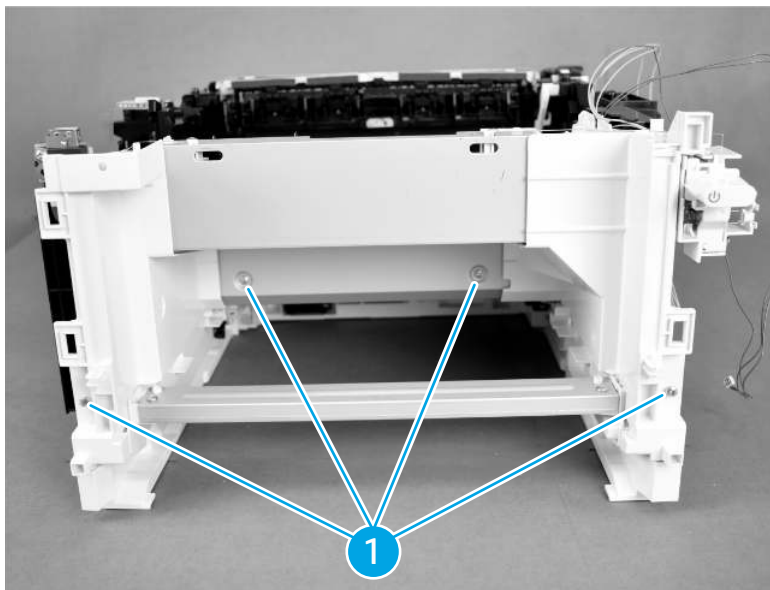
19. Engage two tabs (callout 3).

Figure 1-294 Engage two tabs



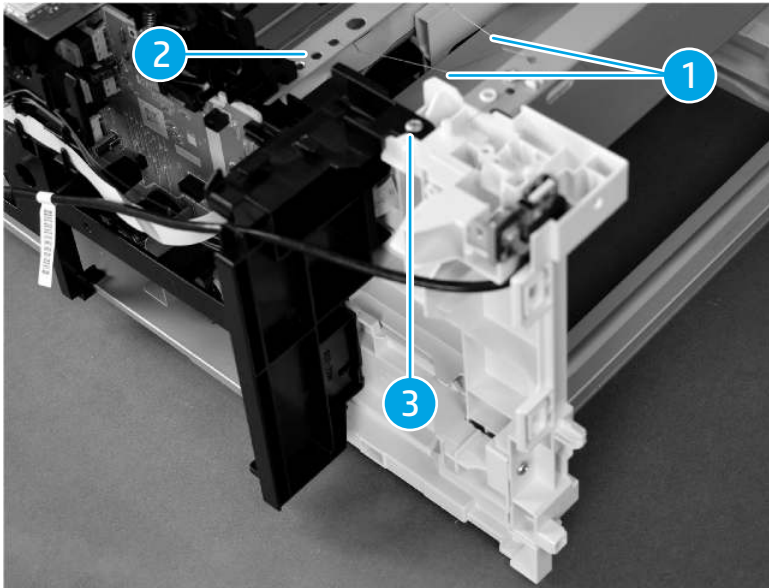
20. Install four screws (callout 1).

Figure 1-295 Install four screws



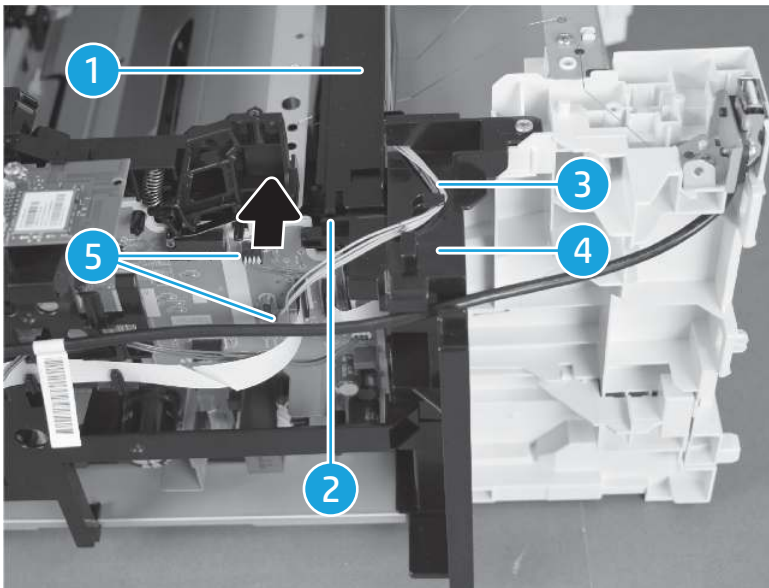
21. Hook two springs (callout 1) to the plate (callout 2) and install one screw (callout 3).

Figure 1-296 Install one screw



22. Slide the duct (callout 1) in the direction the arrow indicates and install it. Install one tab (callout 2).
23. Connect the cable (callout 3) to the ECU cover (callout 4) and the duct (callout 1).
24. Connect two connectors (callout 5).

Figure 1-297 Connect one connector



After installing the engine controller (MFP):

- [Install the formatter PCB \(MFP\) on page 168](#)
- [Install the top cover assembly \(MFP\) on page 58](#)

- [Install the cartridge door assembly \(MFP\) on page 51](#)
- [Install the image scanner assembly \(MFP\) on page 45](#)
- [Install the right cover assembly \(MFP\) on page 41](#)
- [Install the left cover assembly \(MFP\) on page 39](#)
- [Install the front cover assembly \(MFP\) on page 36](#)

Removal and replacement: Tray 1 pick-up roller and Tray 1 feed roller

This document provides the procedures to remove and replace the tray 1 pick-up roller and tray 1 feed roller.

Before performing service

Turn the printer power off

- Disconnect the power cable

⚠ WARNING! To avoid damage to the printer, turn the printer off, wait for 30 seconds, and then remove the power cable before attempting to service the printer.

Use the table below to identify the correct part number for your printer. To order the part, go to www.hp.com/buy/parts.

Table 1-45 Part information

Part number	Part description
RM2-2695-000CN	Paper pick-up roller assembly

Required tools

- No special tools are needed to remove or install this assembly

After performing service

Turn the printer power on

- Connect the power cable
- Use the power switch to turn the power on

Post service test

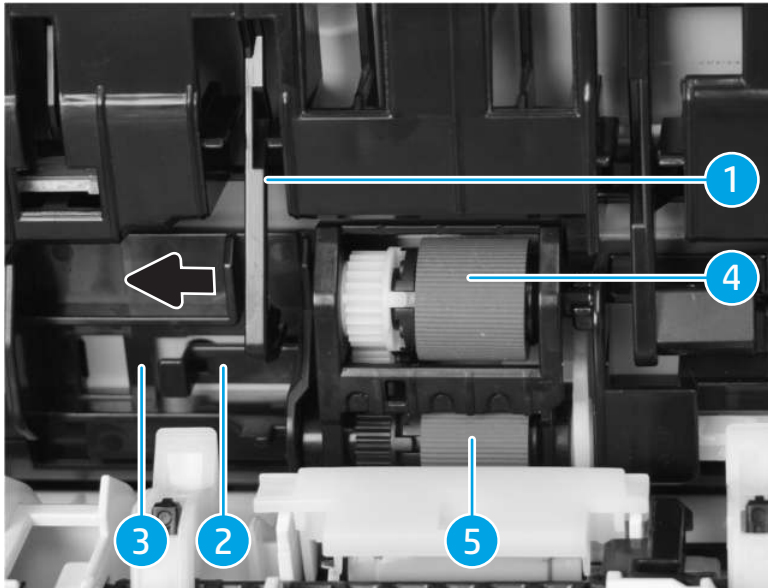
Try to print a page and verify the print.

Remove the Tray 1 pick-up roller/tray 1 feed roller

1. Place the printer with the rear side down and flex the hook of the lifter sensor flag (callout 1) towards you.
2. Release one tab (callout 2) and slide the roller holder (callout 3) in the direction that arrow indicates, and then remove it.

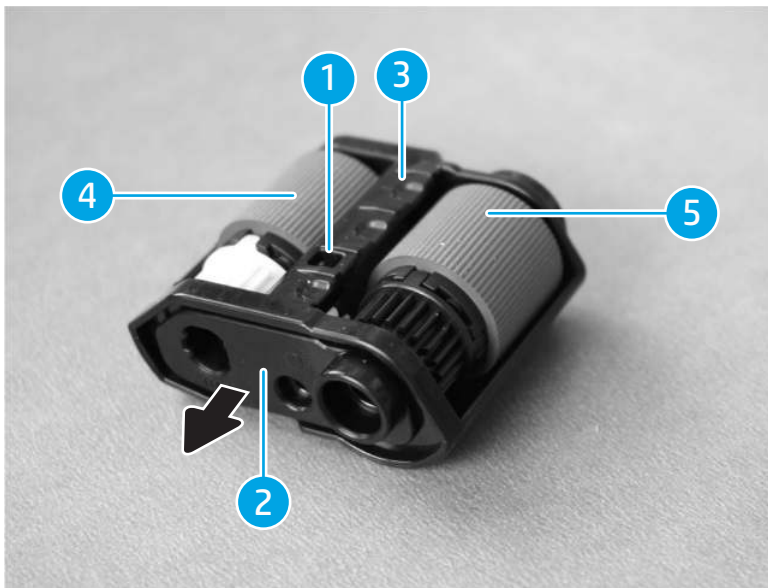
3. Slide the tray 1 pick-up roller (callout 4) and the tray 1 feed roller (callout 5) in the direction that arrow indicates, and then remove them together.

Figure 1-298 Remove the tray 1 pick-up roller



4. Release one tab (callout 1) and slide the pick-up pin (callout 2) in the direction that arrow indicates, and then remove it.
5. Remove the tray 1 pick-up roller (callout 4) from the roller holder (callout 3).
6. Remove the tray 1 feed roller (callout 5) from the roller holder (callout 3).

Figure 1-299 Remove the tray 1 feed roller



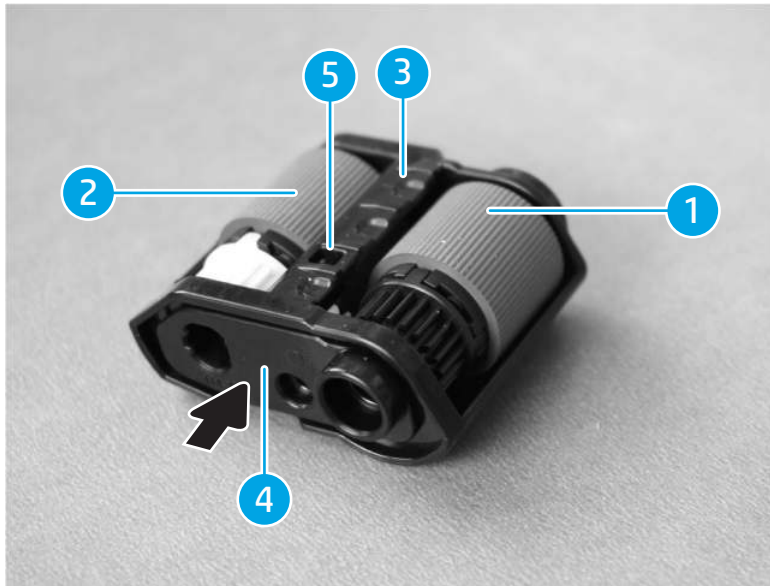
Install the tray 1 pick-up roller and tray 1 feed roller

 **TIP:** [Unpack the replacement assembly on page 13.](#)

1. Install the tray 1 feed roller (callout 1) to the roller holder (callout 3).

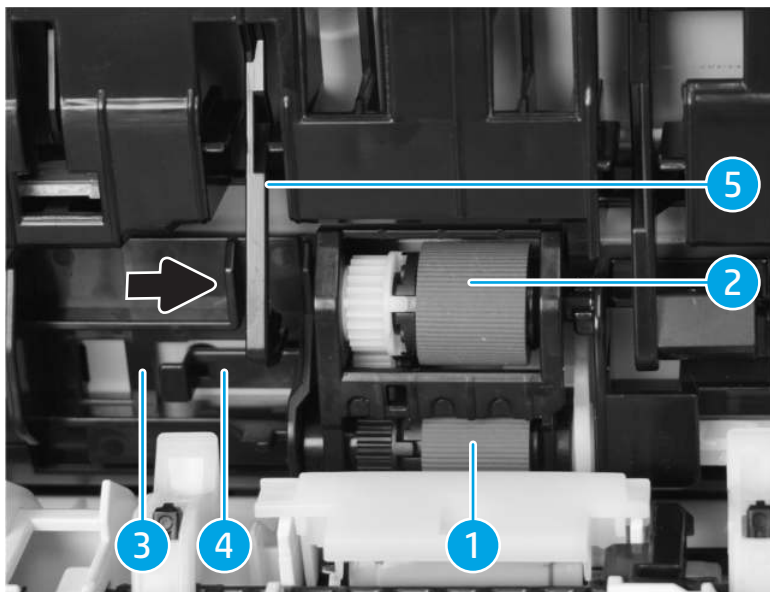
2. Install the tray 1 pick-up roller (callout 2) to the roller holder (callout 3).
3. Slide the pick-up pin (callout 4) in the direction the arrow indicates and install it and then engage one tab (callout 5).

Figure 1-300 Install the tray 1 feed roller



4. Slide the tray 1 feed roller (callout 1) and the tray 1 pick-up roller (callout 2) in the direction the arrow indicates, and then install them together.
5. Slide the roller holder (callout 3) in the direction the arrow indicates to install it and engage one tab (callout 4).
6. Flex the hook of the lifter sensor flag (callout 5) and push it upwards to engage the hook, and then place the printer back to the original position.

Figure 1-301 Install the pick roller



Removal and replacement: Tray 1 separation roller

This document provides the procedures to remove and replace the tray 1 separation roller.

Before performing service

Turn the printer power off

- Disconnect the power cable

⚠ WARNING! To avoid damage to the printer, turn the printer off, wait for 30 seconds, and then remove the power cable before attempting to service the printer.

Use the table below to identify the correct part number for your printer. To order the part, go to www.hp.com/buy/parts.

Table 1-46 Part information

Part number	Part description
RM2-2692-000CN	Separation roller assembly

Required tools

- #2 Phillips screwdriver with a magnetic tip
- Small flat-blade screwdriver

After performing service

Turn the printer power on

- Connect the power cable
- Use the power switch to turn the power on

Post service test

Try to print a page and verify the print.

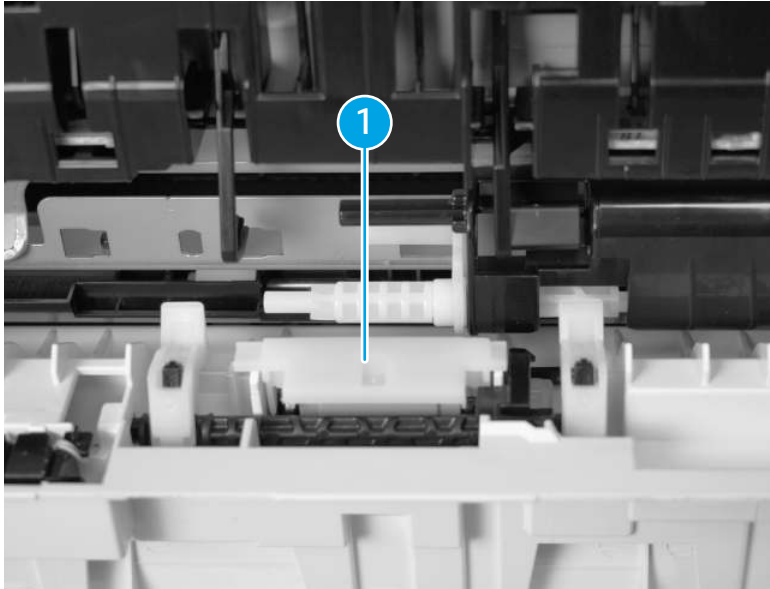
Before proceeding, remove the following parts

- [Removal and replacement: Tray 1 pick-up roller and Tray 1 feed roller on page 137](#)

Remove the Tray 1 separation roller

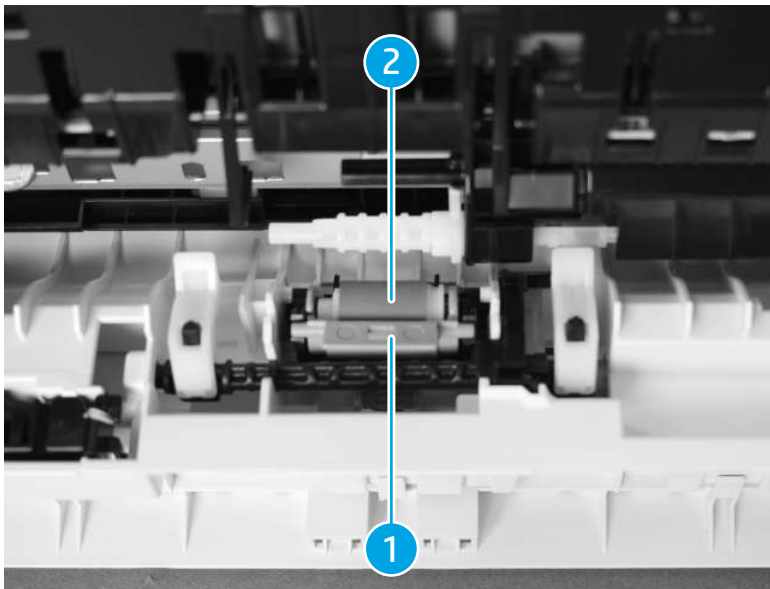
1. Hold up the separation roller cover (callout 1).

Figure 1-302 Hold up the tray 1 separation roller



2. Hold up the tray 1 separation roller (callout 2) together with the separation roller holder (callout 1) and remove them.

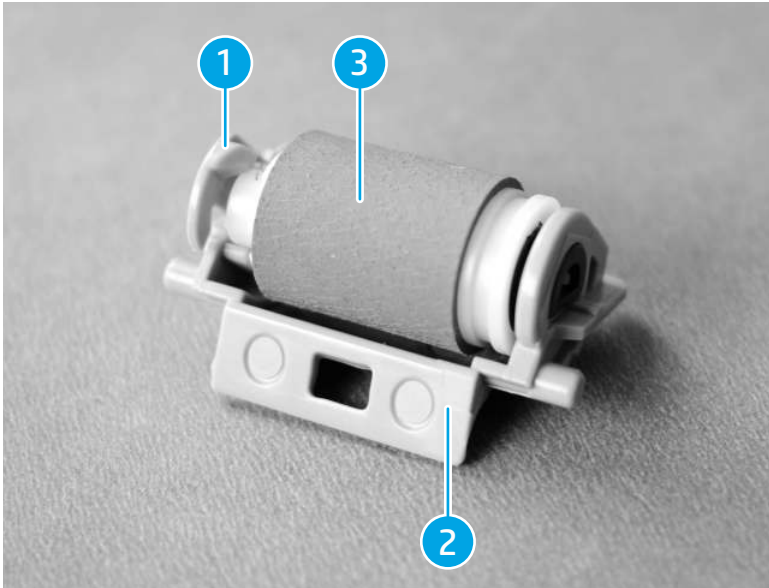
Figure 1-303 Hold the separation roller holder



3. Release one tab (callout 1).

4. Remove the tray 1 separation roller (callout 3) from the separation roller holder (callout 2).

Figure 1-304 Remove the separation roller

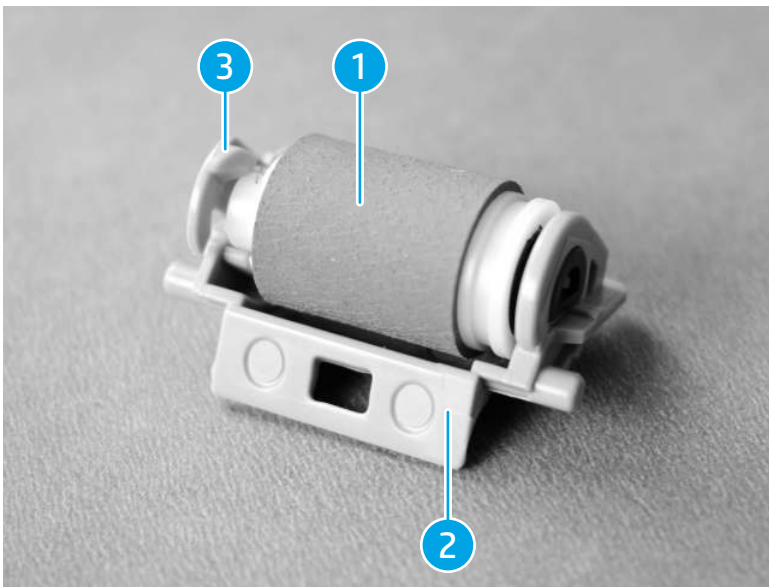


Install the Tray 1 separation roller

 **TIP:** [Unpack the replacement assembly on page 13.](#)

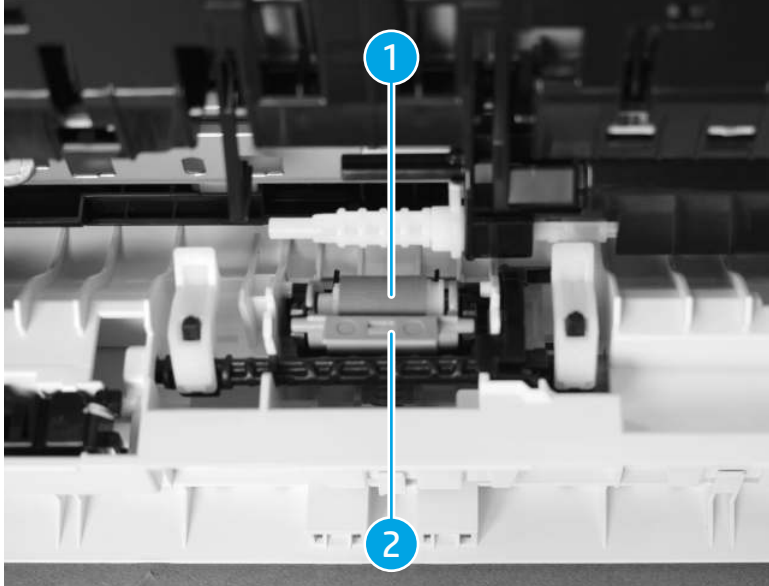
1. Install the tray 1 separation roller (callout 1) to the separation roller holder (callout 2).
2. Engage one tab (callout 3).

Figure 1-305 Install the separation roller



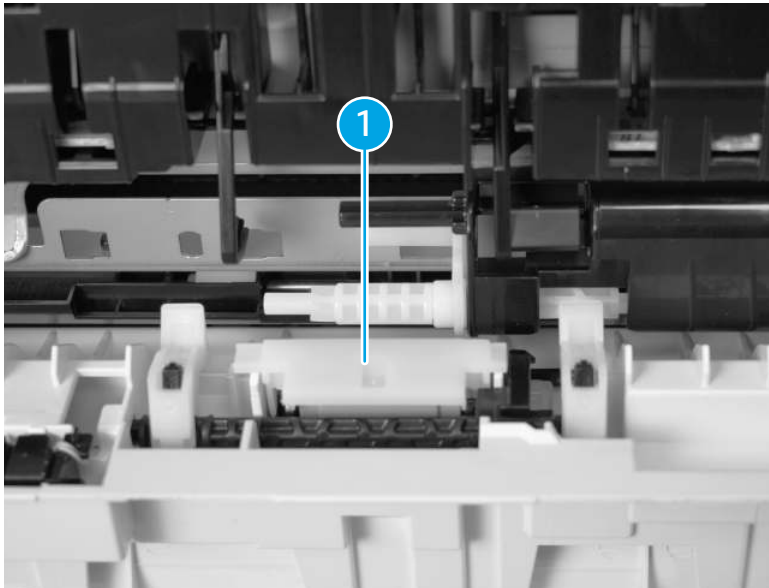
3. Press the tray 1 separation roller (callout 1) with the separation roller holder (callout 2) together to install it.

Figure 1-306 Install the separation roller holder



4. Hold down the separation roller cover (callout 1).

Figure 1-307 Install the separation roller



After installing the Tray 1 separation roller:

- [Install the tray 1 pick-up roller and tray 1 feed roller on page 212](#)

Removal and replacement: Transfer roller

This document provides the procedures to remove and replace the transfer roller.

Before performing service

Turn the printer power off

- Disconnect the power cable

⚠ WARNING! To avoid damage to the printer, turn the printer off, wait for 30 seconds, and then remove the power cable before attempting to service the printer.

Use the table below to identify the correct part number for your printer. To order the part, go to www.hp.com/buy/parts.

Table 1-47 Part information

Part number	Part description
RM2-2039-000CN	Transfer roller

Required tools

- #2 Phillips screwdriver with a magnetic tip
- Small flat-blade screwdriver

After performing service

Turn the printer power on

- Connect the power cable
- Use the power switch to turn the power on

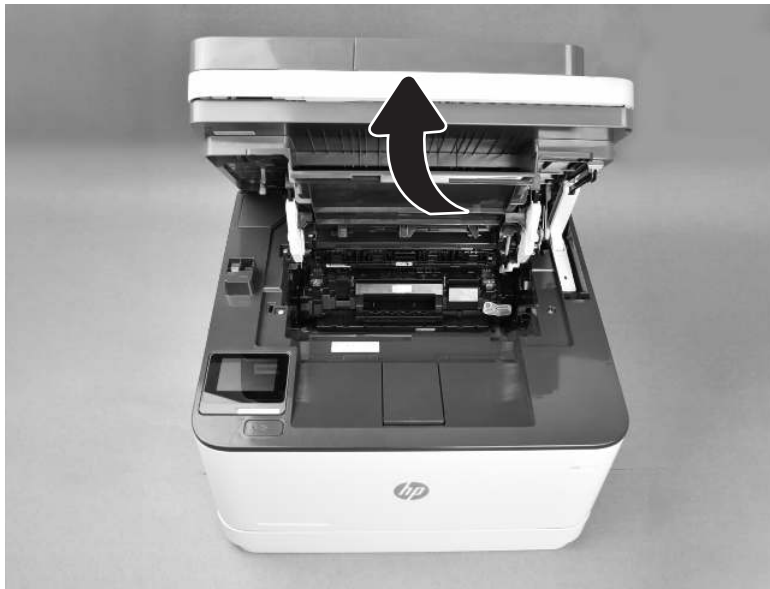
Post service test

Try to print a page and verify the print.

Remove the Transfer roller

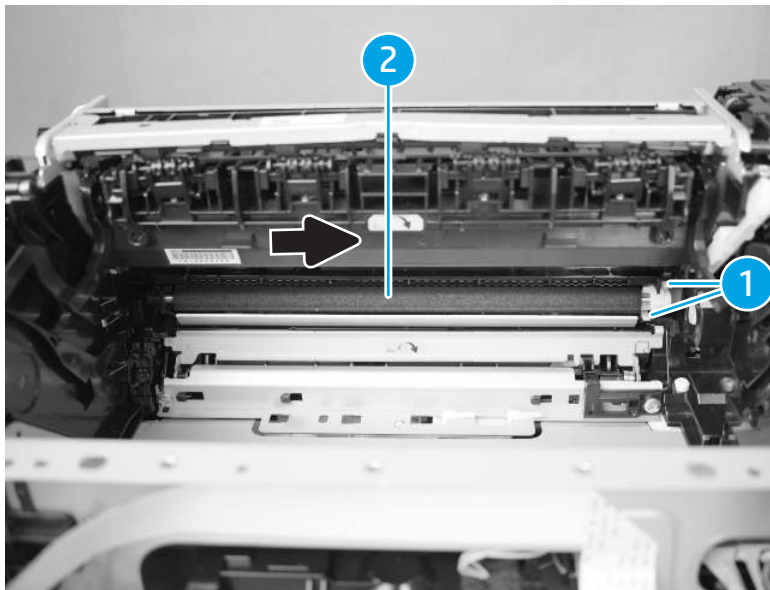
1. Open the cartridge door assembly.

Figure 1-308 Open the cartridge door



2. Pinch two tabs (callout 1) and pull out the transfer roller (callout 2).
3. Slide the transfer roller (callout 2) in the direction the arrow indicates and remove it.

Figure 1-309 Remove the transfer roller

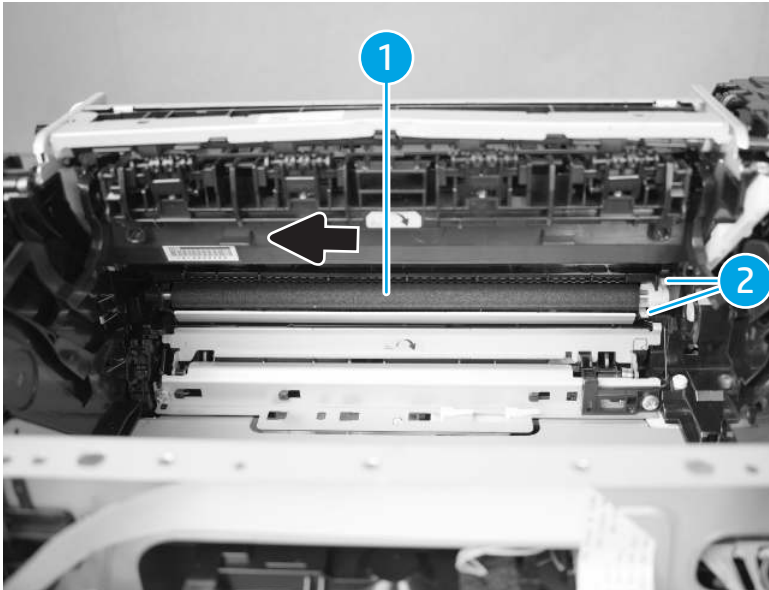


Install the transfer roller

 **TIP:** [Unpack the replacement assembly on page 13.](#)

1. Align the transfer roller (callout 1) in the direction the arrow indicates and press two tabs (callout 2).

Figure 1-310 Install the transfer roller



2. Close the cartridge door assembly.

Figure 1-311 Close the cartridge door



Removal and replacement: Face-down roller

This document provides the procedures to remove and replace the face-down roller.

Before performing service

Turn the printer power off

- Disconnect the power cable

⚠ WARNING! To avoid damage to the printer, turn the printer off, wait for 30 seconds, and then remove the power cable before attempting to service the printer.

Use the table below to identify the correct part number for your printer. To order the part, go to www.hp.com/buy/parts.

Table 1-48 Part information

Part number	Part description
RM2-3320-000CN	Face-down roller assembly

Required tools

- #2 Phillips screwdriver with a magnetic tip
- Small flat-blade screwdriver

After performing service

Turn the printer power on

- Connect the power cable
- Use the power switch to turn the power on

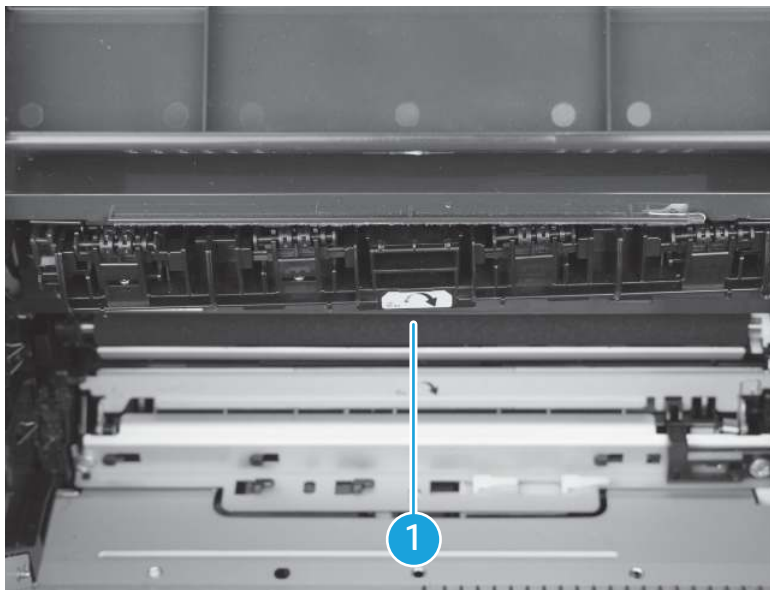
Post service test

Try to print a page and verify the print.

Remove the face-down roller

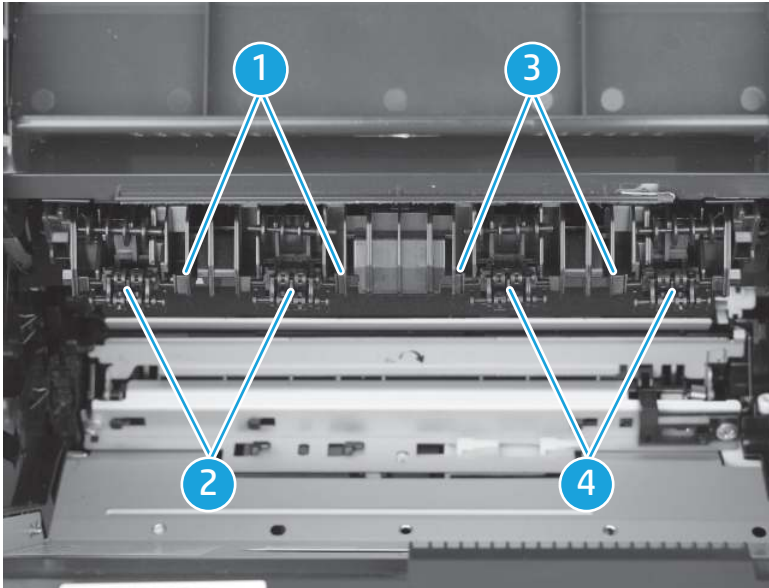
1. Open the cartridge door and open the FD guide (callout 1).

Figure 1-312 Open the FD guide



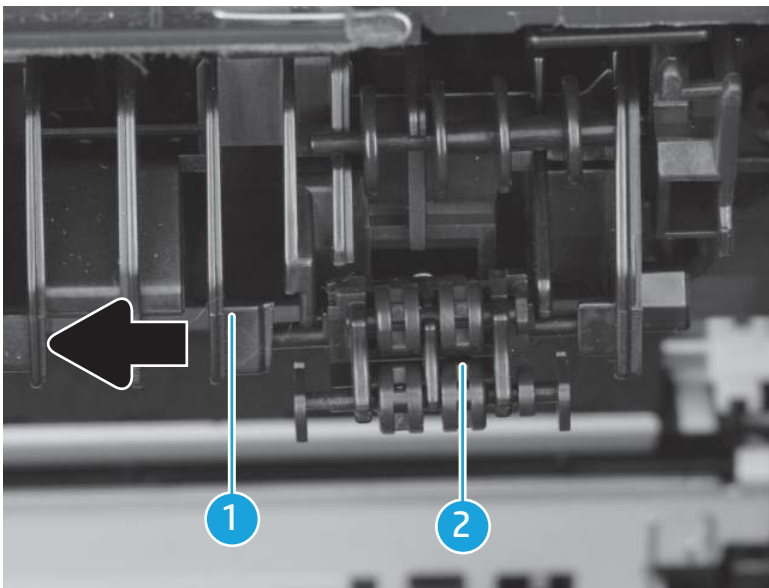
2. Access the rib (callout 1) to remove the left face-down roller (callout 2) and similar way access the rib (callout 3) to remove the right face-down roller (callout 4).

Figure 1-313 Remove the left face-down roller



3. When the right face-down roller is removed, go to step 4, and when the left output roller is removed, go to step 7.
4. Warp the rib (callout 1) in the direction that arrow indicates.
5. Pull the face-down roller (callout 2) toward front to remove it.

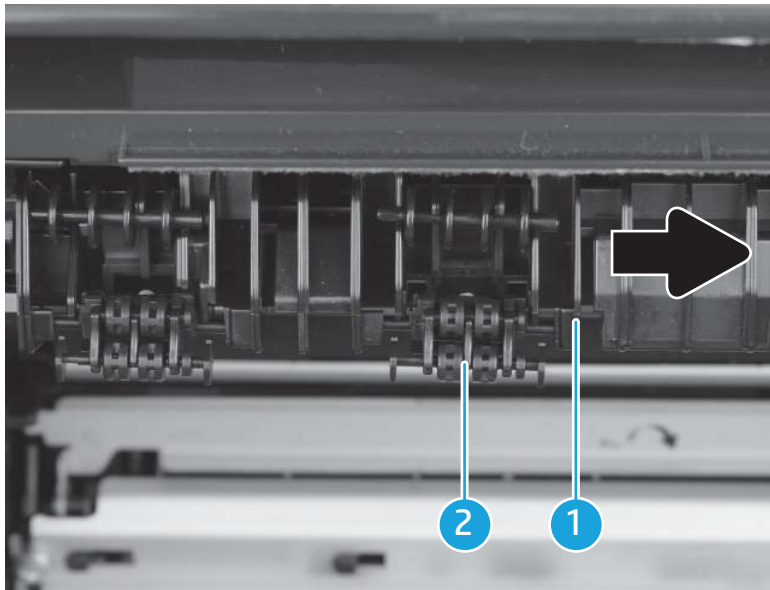
Figure 1-314 Pull the face-down roller



6. Go to step 9.
7. Warp the rib (callout 1) in that direction that arrow indicates.

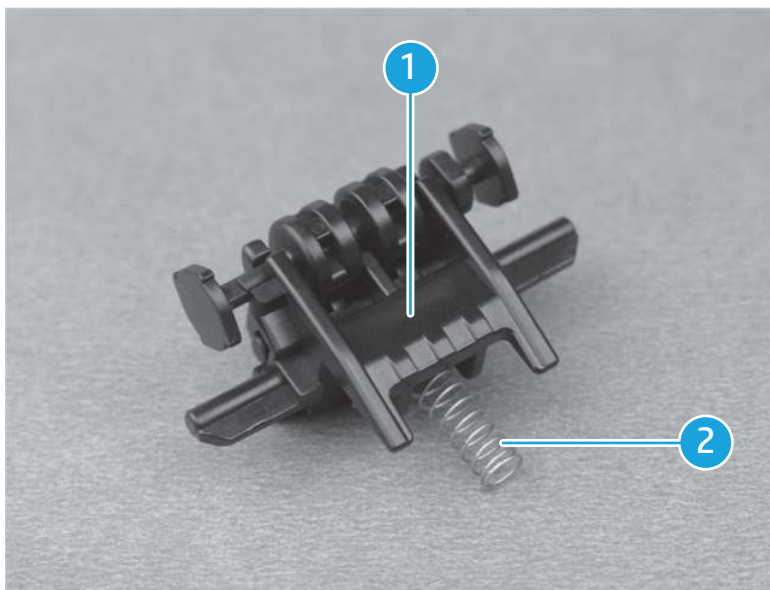
8. Pull the output roller (callout 2) toward front to remove it.

Figure 1-315 Pull the output roller



9. Remove the spring (callout 2) from the output idler (callout 1).

Figure 1-316 Remove the spring

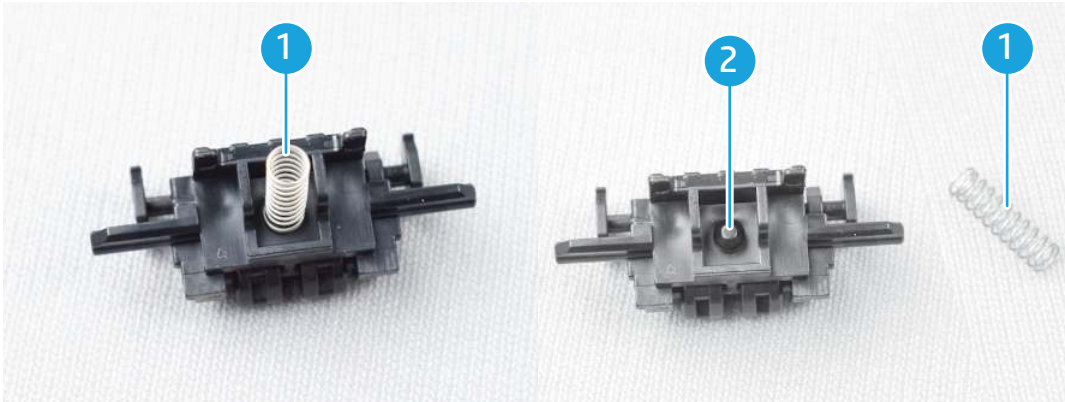


Install the face-down roller

 **TIP:** [Unpack the replacement assembly on page 13.](#)

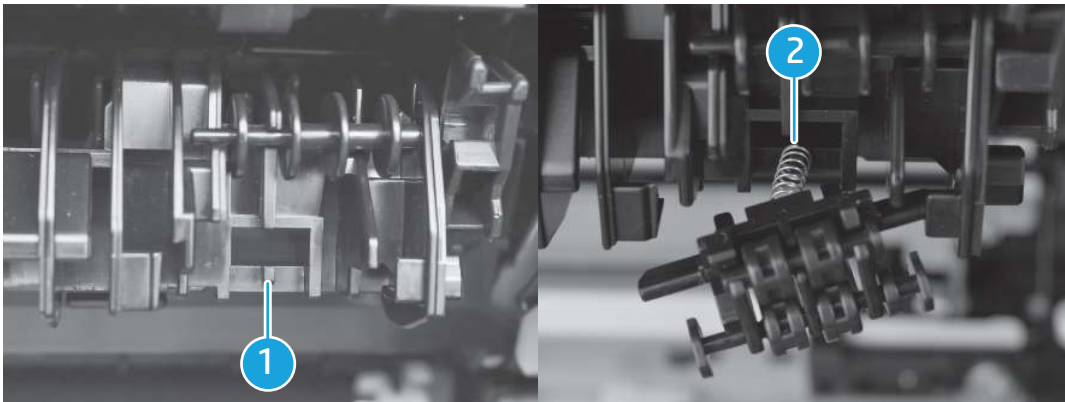
1. Install the spring (callout 1) into the boss (callout 2) of output roller until it is fit.

Figure 1-317 Install the spring



2. Place the spring (callout 1) in the boss (callout 2) of the FD guide.

Figure 1-318 Place the spring

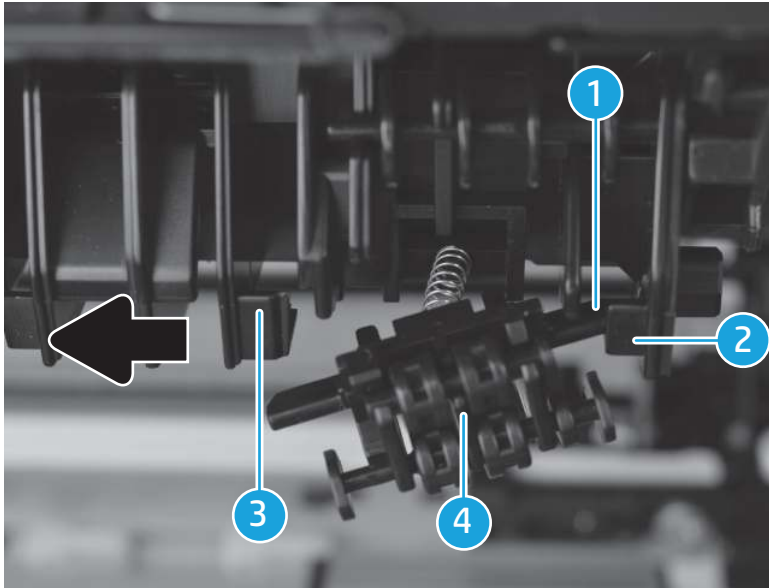


NOTE: To prevent misassembly, make sure to insert the spring (callout 2) into the boss (callout 1) of the FD guide first.

3. When the right face-down roller is attached, go to step 4, and when the left face-down roller is attached, go to step 7.
4. Insert the right rib (callout 1) of the face-down roller into the right rib (callout 2) of the FD guide.
5. Warp the left rib (callout 3) of the FD guide in the direction that arrow indicates.

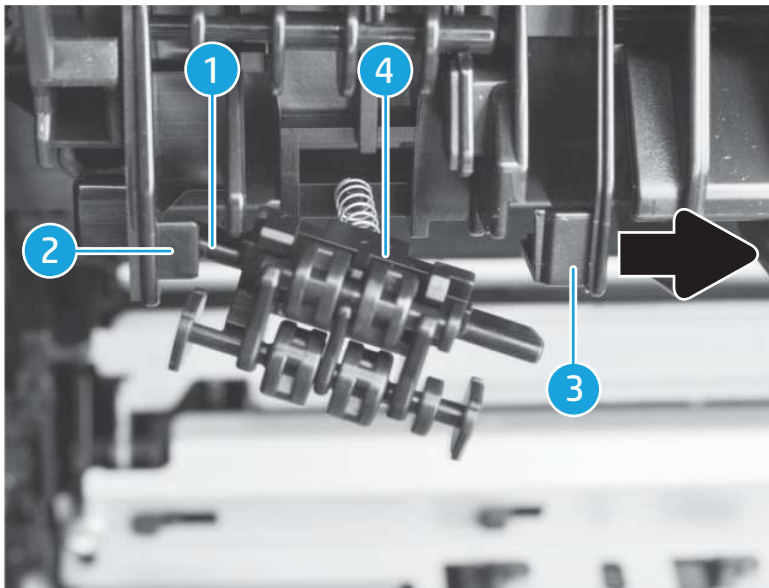
6. Install the face-down roller (callout 4).

Figure 1-319 Install the face-down roller



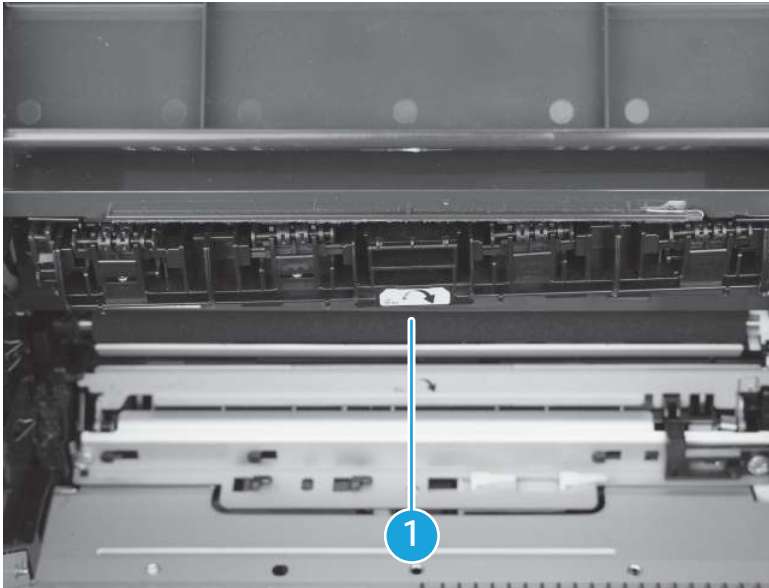
7. Insert the left rib (callout 1) of the face-down roller into the left rib (callout 2) of the FD guide.
8. Warp the right rib (callout 3) of the FD guide in the direction that arrow indicates.
9. Install the face-down roller (callout 4).

Figure 1-320 Install the face-down roller



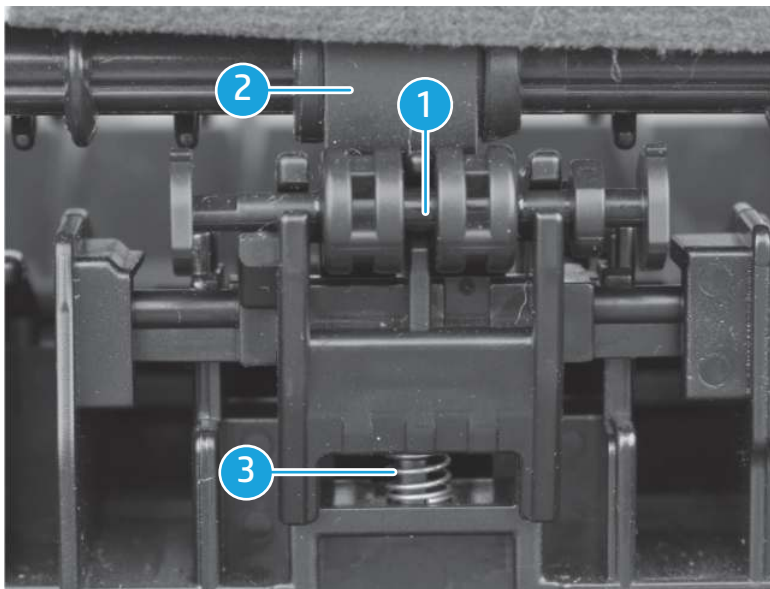
10. Close the FD guide (callout 1).

Figure 1-321 Close the FD guide



 **NOTE:**

- Make sure that the idler roller (callout 1) is in contact with the output roller (callout 2).
- Make sure the spring (callout 3) is attached properly. (Reassemble the spring if it is buckled.)



2 Parts and diagrams

This chapter helps you understand the parts and diagrams of the printer.

Assembly locations

This section helps you understand the printer parts.

SFP printer views

Printer front view

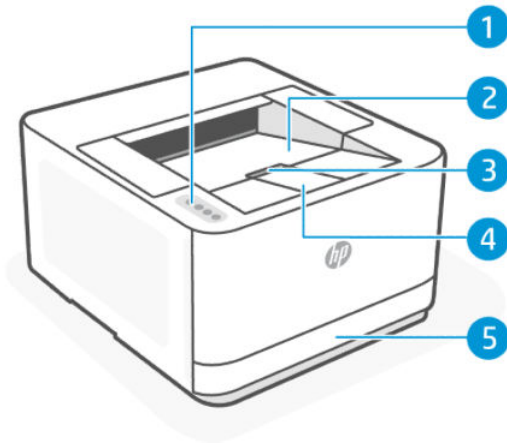


Table 2-1 Printer front view

Feature	Description
1	Control panel
2	Output tray
3	Cartridge access door
4	Output tray extender
5	Input tray

Printer rear view

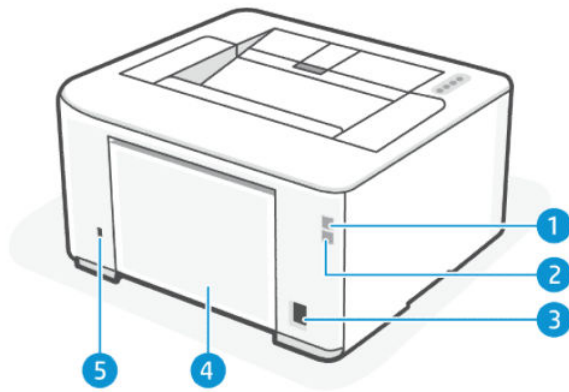


Table 2-2 Printer rear view

Feature	Description
1	Rear USB port NOTE: Remove the label covering the USB port if necessary.
2	Ethernet port
3	Power input
4	Rear access door
5	Security slot

Interface ports (SFP)

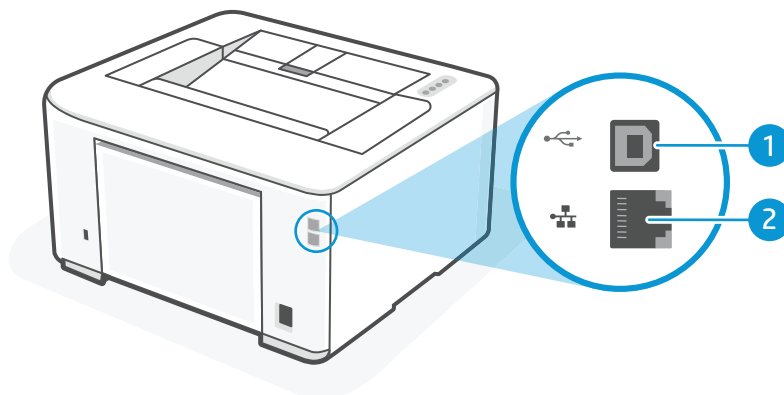


Table 2-3 Interface ports (MFP)

Feature	Description
1	Rear USB port NOTE: Remove the label covering the USB port if necessary.
2	Ethernet port

MFP printer views

Printer front view

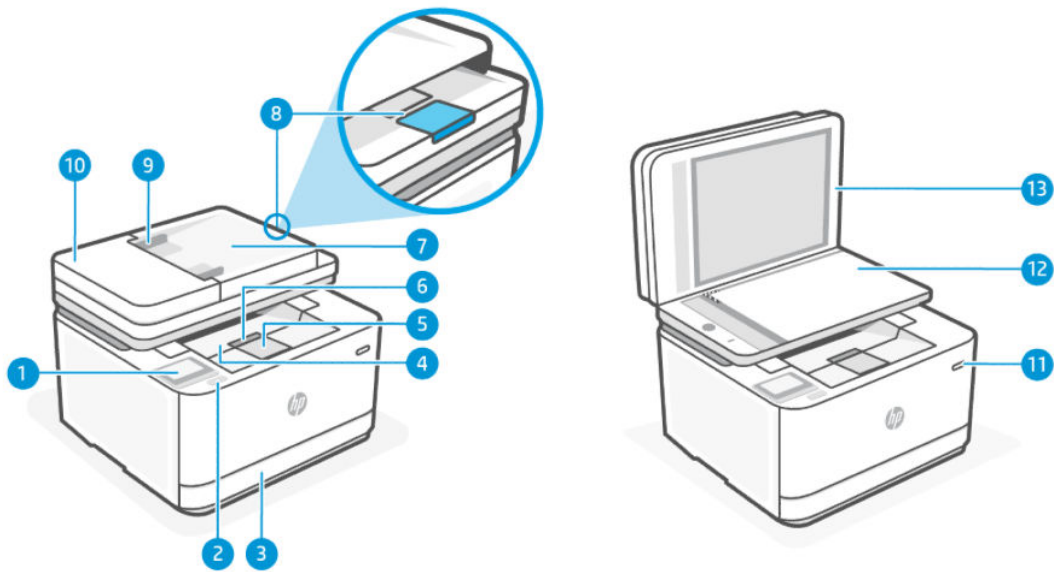


Table 2-4 Printer front view

Feature	Description
1	Control panel display
2	Front USB port
3	Input tray
4	Output tray
5	Output tray extender
6	Cartridge access door
7	Document feeder input tray
8	Document feeder output tray extender
9	Document feeder paper-width guides
10	Document feeder cover
11	Power button
12	Scanner glass
13	Scanner lid

Printer back view

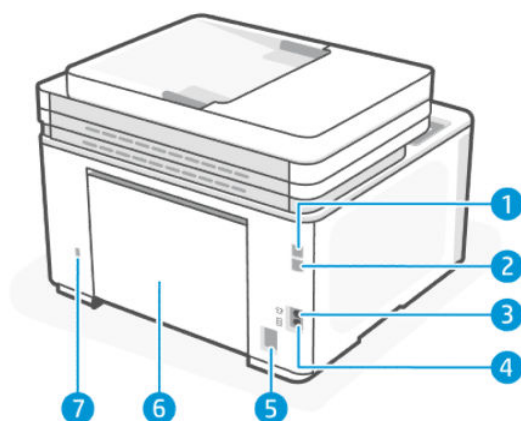




Table 2-5 Printer back view

Feature	Description
1	Rear USB port NOTE: Remove the label covering the USB port if necessary.
2	Ethernet port
3	Fax port 
4	Fax port 
5	Power input
6	Rear access door
7	Security slot

Interface ports (MFP)

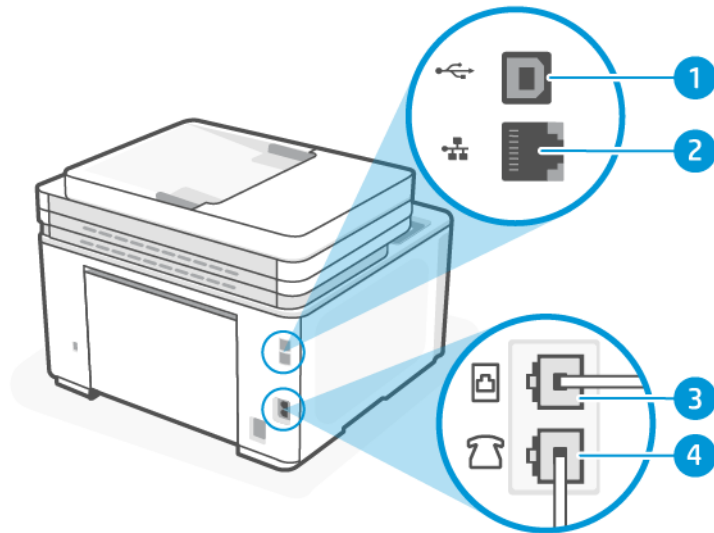




Table 2-6 Interface ports (MFP)

Feature	Description
1	Rear USB port NOTE: Remove the label covering the USB port if necessary.
2	Ethernet port
3	Fax port 
4	Fax port 

Order supplies, accessories, and parts

This topic describes how to order supplies, accessories, and parts.

Order

Table 2-7 Order

Order supplies	Support sites
Order supplies and paper	www.hp.com/go/suresupply
Order genuine HP parts or accessories	www.hp.com/buy/parts
Order through service or support providers	Contact an HP-authorized service or support provider.
Order using the HP Embedded Web Server (EWS)	To access, in a supported Web browser on the computer, enter the printer IP address in the address/URL field. The EWS contains a link to the HP SureSupply Web site, which provides options for purchasing Original HP supplies.



NOTE: You can also order using HP Smart.

Orderable parts

Not all the parts shown in the diagrams in this chapter can be ordered. Refer to the table following the diagram or the parts lists at the end of this chapter to determine if a part is orderable.

Supplies and accessories

- A: Standard-capacity black toner cartridge.
- X: High-capacity black toner cartridge.

Table 2-8 List of supplies and accessories

Cartridge name/number	Part number	Countries in use
HP 138A Black Original LaserJet Toner Cartridge	W1380A	North America, Australia, and New Zealand only
HP 138X Black Original LaserJet Toner Cartridge	W1380X	North America, Australia, and New Zealand only
HP 139A Black Original LaserJet Toner Cartridge	W1390A	Europe, Switzerland, UK, Ireland, and Israel only*
HP 139X Black Original LaserJet Toner Cartridge	W1390X	Europe, Switzerland, UK, Ireland, and Israel only*
HP 145A Black Original LaserJet Toner Cartridge	W1450A	Latin America, ISE, Asia Pacific, Africa and the Middle East (except China, India, Australia, and New Zealand) only
HP 145X Black Original LaserJet Toner Cartridge	W1450X	Latin America, ISE, Asia Pacific, Africa and the Middle East (except China, India, Australia, and New Zealand) only
HP 146A Black Original LaserJet Toner Cartridge	W1460A	China and India only
HP 146X Black Original LaserJet Toner Cartridge	W1460X	China and India only

*The product is regionalized for the regions and countries listed above. However, nothing herein must be deemed as an authorization from HP to import products into the European Economic Area, Switzerland, and the UK from any country outside that region.

Customer self-repair parts

Customer Self-Repair (CSR) parts are available for many HP LaserJet printers to reduce repair time. More information about the CSR program and benefits can be found at www.hp.com/go/csr-support and www.hp.com/go/csr-faq.


Genuine HP replacement parts can be ordered at www.hp.com/buy/parts or by contacting an HP-authorized service or support provider. When ordering, one of the following will be needed: part number, serial number (found on back of printer), printer number, or printer name.


- Parts listed as **Mandatory** self-replacement are to be installed by customers, unless you are willing to pay HP service personnel to perform the repair. For these parts, on-site or return-to-depot support is not provided under the HP printer warranty.
- Parts listed as **Optional** self-replacement can be installed by HP service personnel at your request for no additional charge during the printer warranty period.

Item	Description	Self-replacement options	Part number
Paper pick-up roller assembly	Replacement pick-up roller with instruction guide	Mandatory	RM2-2695-000
Sheet, control panel (non-wireless model)	Sheet, control panel (non-wireless model)	Sheet, control panel (non-wireless model)	RC5-7669-000
Sheet, control panel (wireless model)	Sheet, control panel (wireless model)	Sheet, control panel (wireless model)	RC5-7662-000

How to use the parts lists and diagrams

The figures in this chapter show the major sub-assemblies in the printer and their component parts. A parts list table follows each exploded view assembly diagram. Each table lists the item number, the associated part number, and the description of each part. If a part is not listed in the table, then it is not a field replacement unit (FRU).

 **CAUTION:** Be sure to order the correct part. When looking for part numbers for electrical components, pay careful attention to the voltage that is listed in the description column. Doing so will ensure that the part number selected is for the correct model.

 **NOTE:** In this manual, the abbreviation “PCB” stands for “printed circuit-board.” Components described as a PCB might consist of a single circuit board or a circuit board plus other parts, such as cables and sensors.

Scanner assembly

Figure 2-1 Scanner assembly

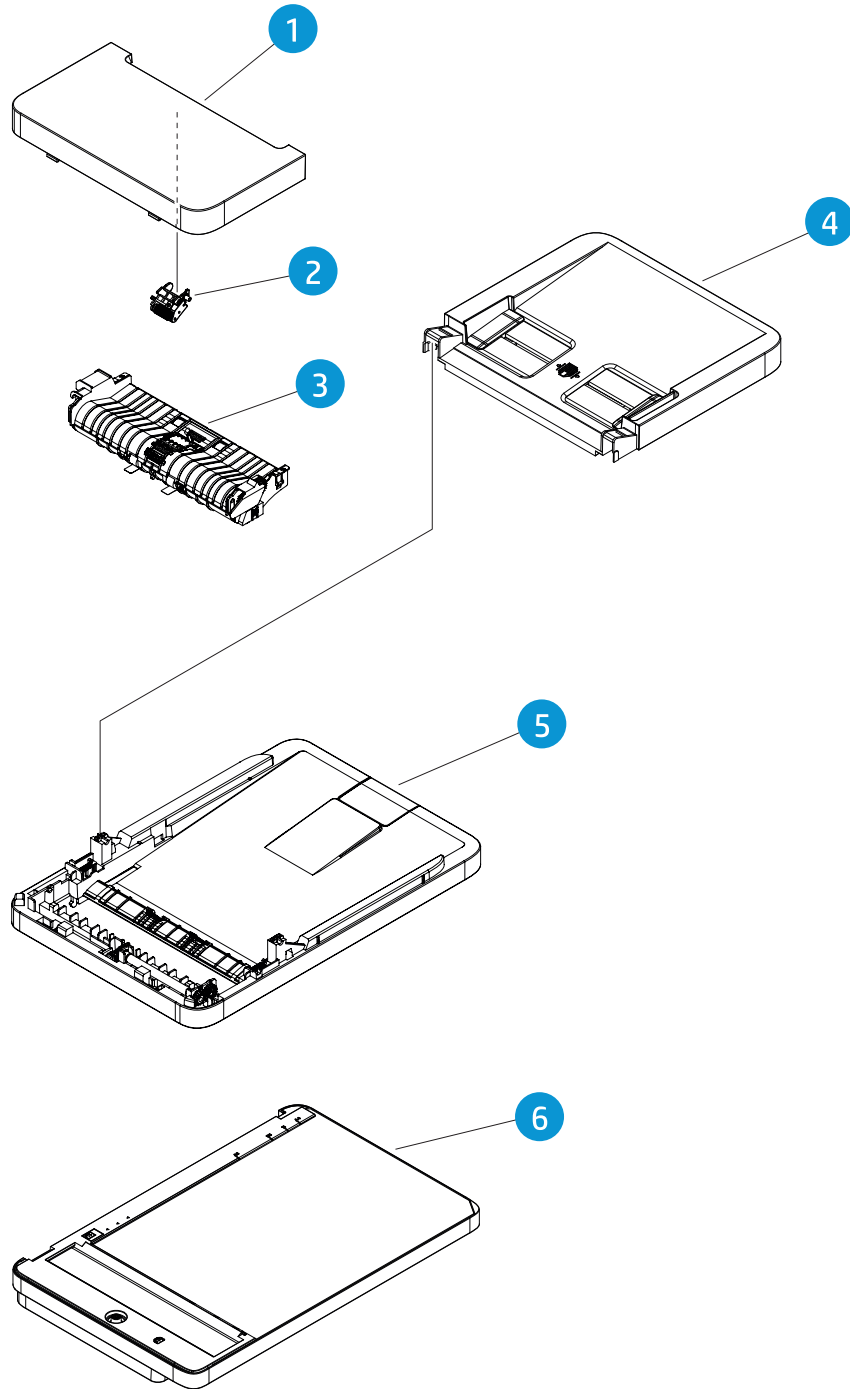


Table 2-9 Scanner assembly

Ref No.	Description	Part number	Qty
1	Top cover assembly	RM2-3407-000CN	1
2	Pre-pick arm assembly	RM2-3409-000CN	1
3	ADF core assembly	RM2-3414-000CN	1
4	Paper pick-up tray assembly	RM2-3410-000CN	1
5	ADF base assembly	RM2-3411-000CN	1
6	Image scanner without ADF assembly	RM2-3416-000CN	1

Covers (SFP)

Figure 2-2 Covers SFP models

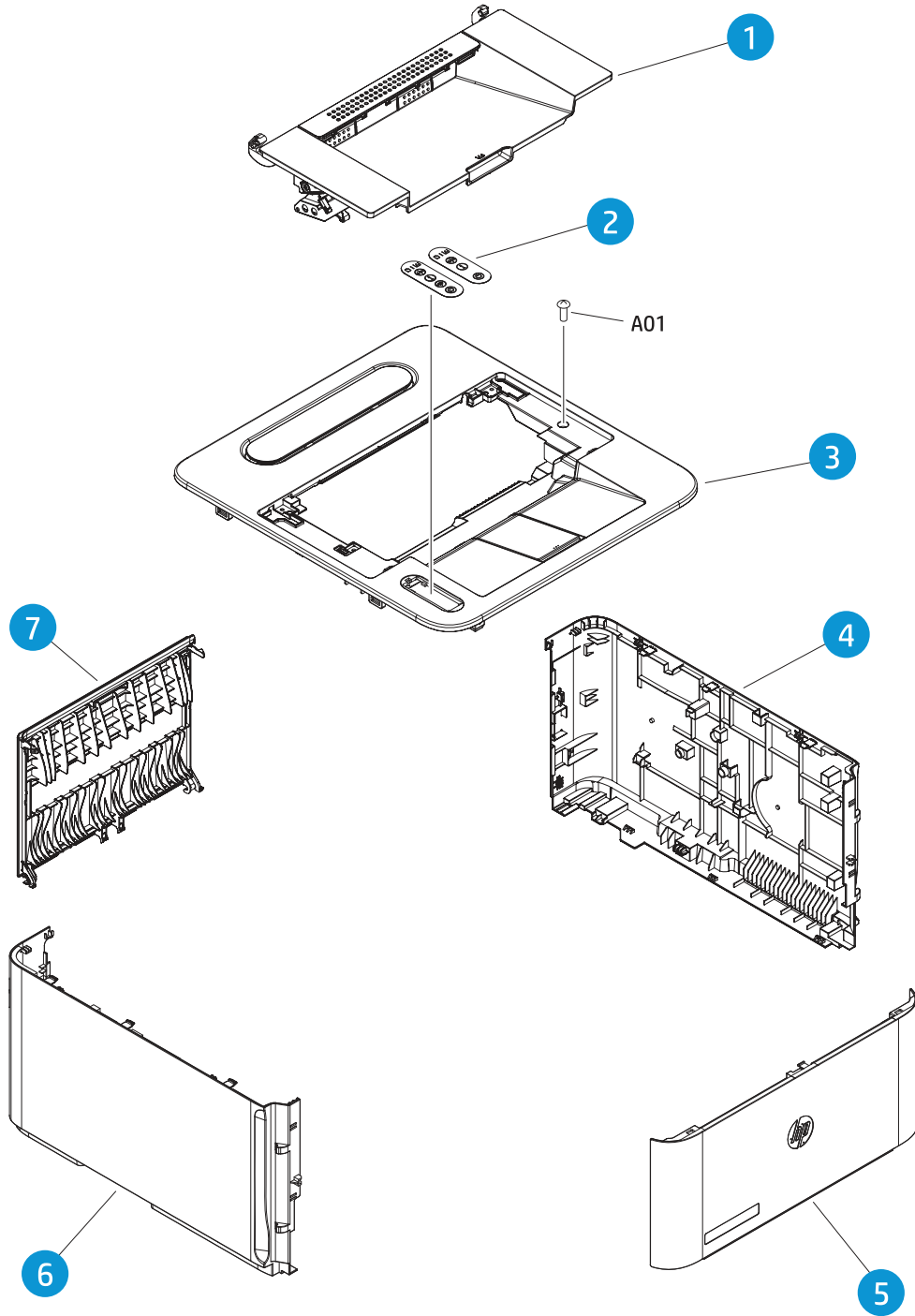


Table 2-10 Covers SFP models

Ref No.	Description	Part number	Qty
1	Cartridge door assembly	RM2-3217-000CN	1
2	Sheet, control panel	RC5-7669-000CN	1
2	Sheet, control panel (wireless model)	RC5-7662-000CN	1
3	Top cover assembly	RM2-3271-000CN	1
4	Cover, right	RC5-7542-000CN	1
5	Cover, front	RC5-7545-000CN	1
6	Cover, left	RC5-7541-000CN	1
7	Door, duplexing	RC5-7592-000CN	1

Covers (MFP)

Figure 2-3 Covers MFP models

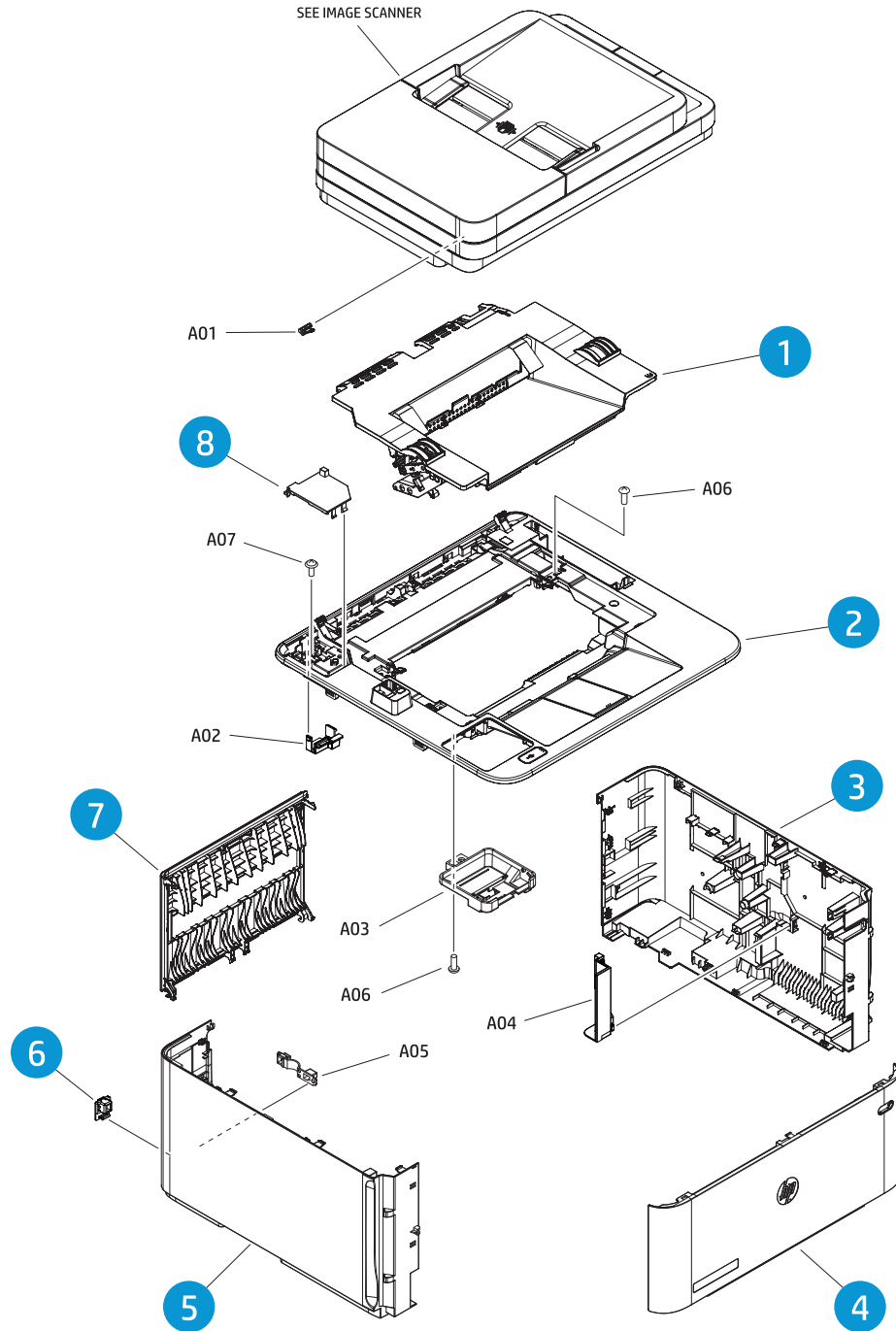


Table 2-11 Covers MFP models

Ref No.	Description	Part number	Qty
1	Cartridge door assembly	RM2-3219-000CN	1
2	Top cover assembly	RM2-3223-000CN	1
3	Cover, right	RC5-7551-000CN	1
4	Cover, front	RC5-7554-000CN	1
5	Cover, left	RC5-7550-000CN	1
6	Cap, fax	RC5-0437-000CN	1
7	Door, duplexing	RC5-7592-000CN	1
8	Cover, flat cable	RC5-7562-000CN	1

Internal components - 1 (SFP model)

Figure 2-4 Internal components - 1 (SFP model)

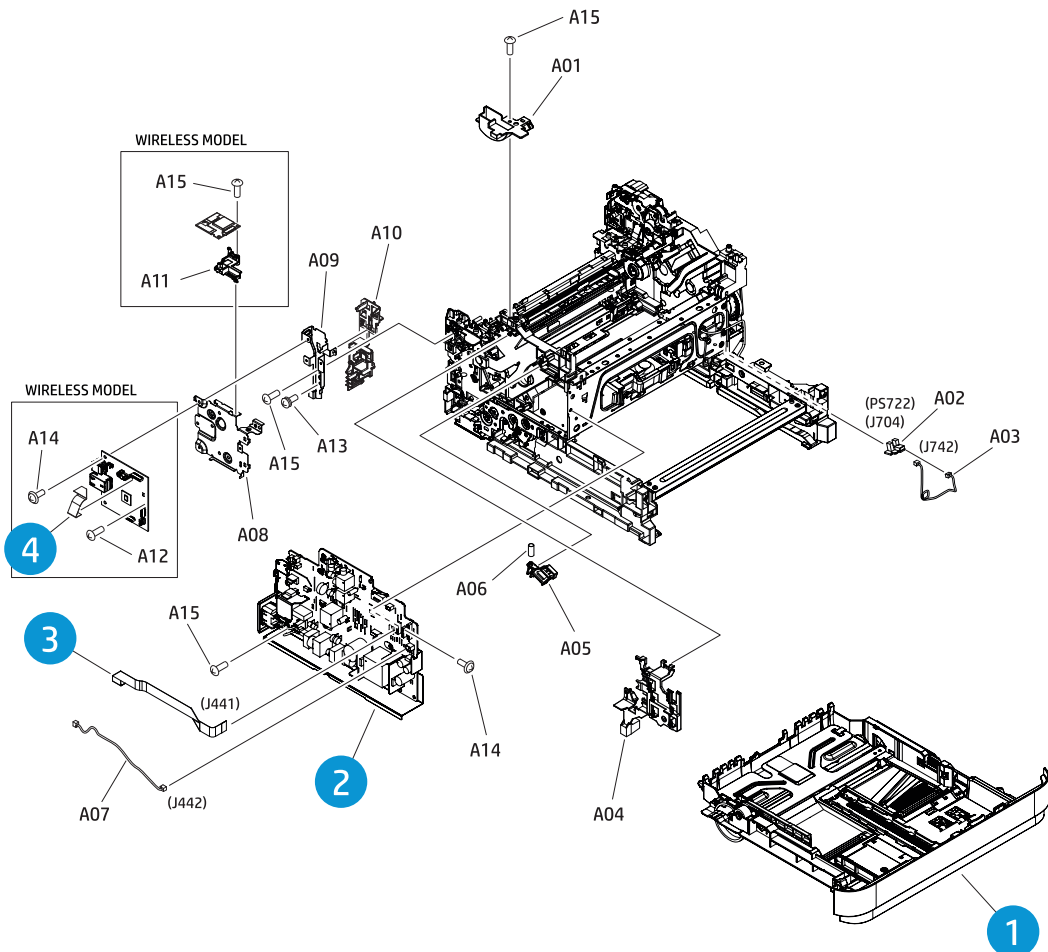


Table 2-12 Internal components - 1 (SFP model)

Ref No.	Description	Part number	Qty
1	Cassette assembly	RM2-3212-000CN	1
2	Engine Controller PCB assembly (110-127v)	RM3-8170-000CN	1
2	Engine Controller PCB assembly (Except EM model 220-240v)	RM3-8171-000CN	1
2	Engine Controller PCB assembly (EM model 220-240v)	RM3-8172-000CN	1
3	Cable, flat, formatter	RK3-1066-000CN	1
4	Cable, flat, Wi-Fi (wireless model)	RK3-1082-000CN	1

Internal components - 1 (MFP model)

Figure 2-5 Internal components - 1 (MFP model)

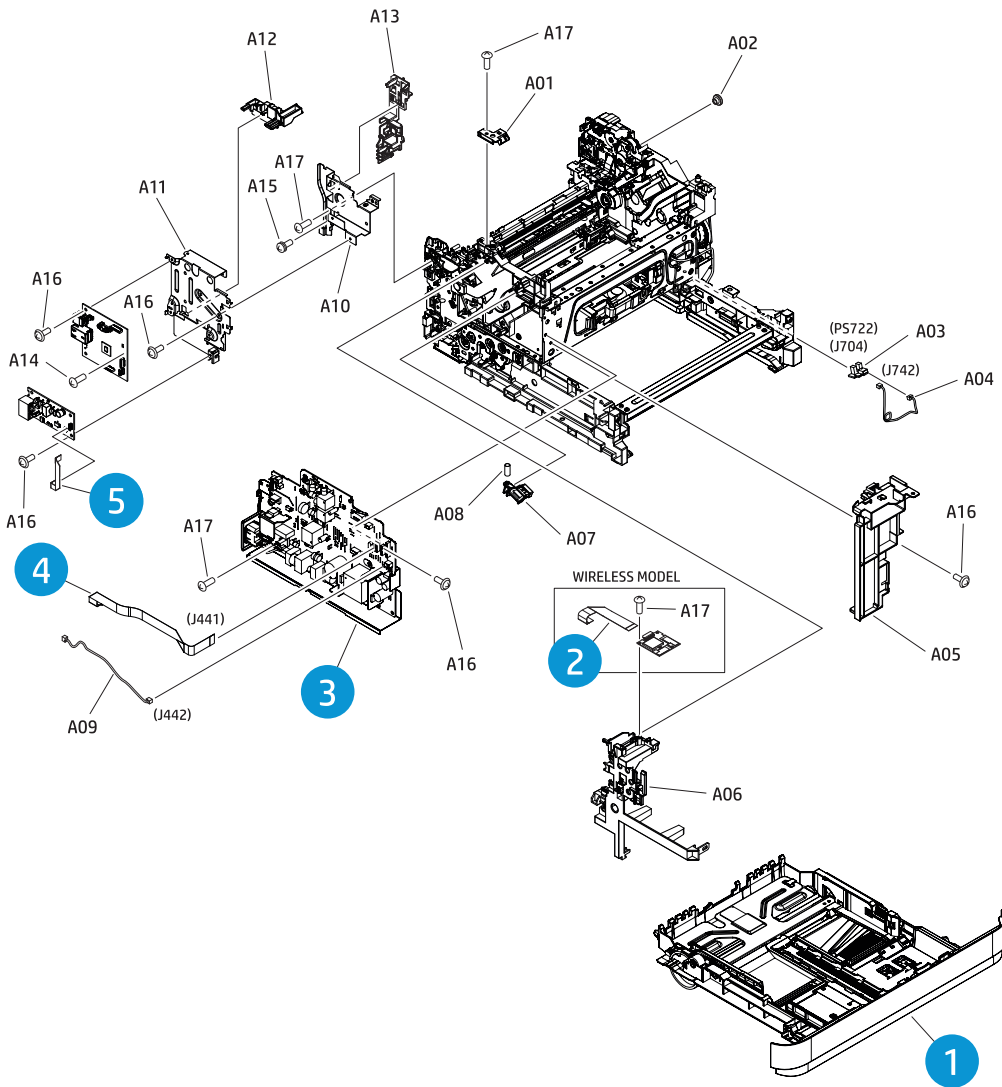


Table 2-13 Internal components - 1 (MFP model)

Ref No.	Description	Part number	Qty
1	Cassette assembly	RM2-3261-000CN	1
2	Cable, flat, Wi-Fi (wireless model)	RK3-1085-000CN	1
3	Engine Controller PCB assembly (110-127v)	RM3-8173-000CN	1
3	Engine Controller PCB assembly (Except China/ India model 220-240v)	RM3-8174-000CN	1

Table 2-13 Internal components - 1 (MFP model) (continued)

Ref No.	Description	Part number	Qty
3	Engine Controller PCB assembly (China/India model 220-240v)	RM3-8175-000CN	1
4	Cable, flat, formatter	RK3-1079-000CN	1
5	Cable, flat, fax	RK3-1087-000CN	1

Internal components - 2 (SFP and MFP models)

Figure 2-6 Internal components - 2 (SFP and MFP models)

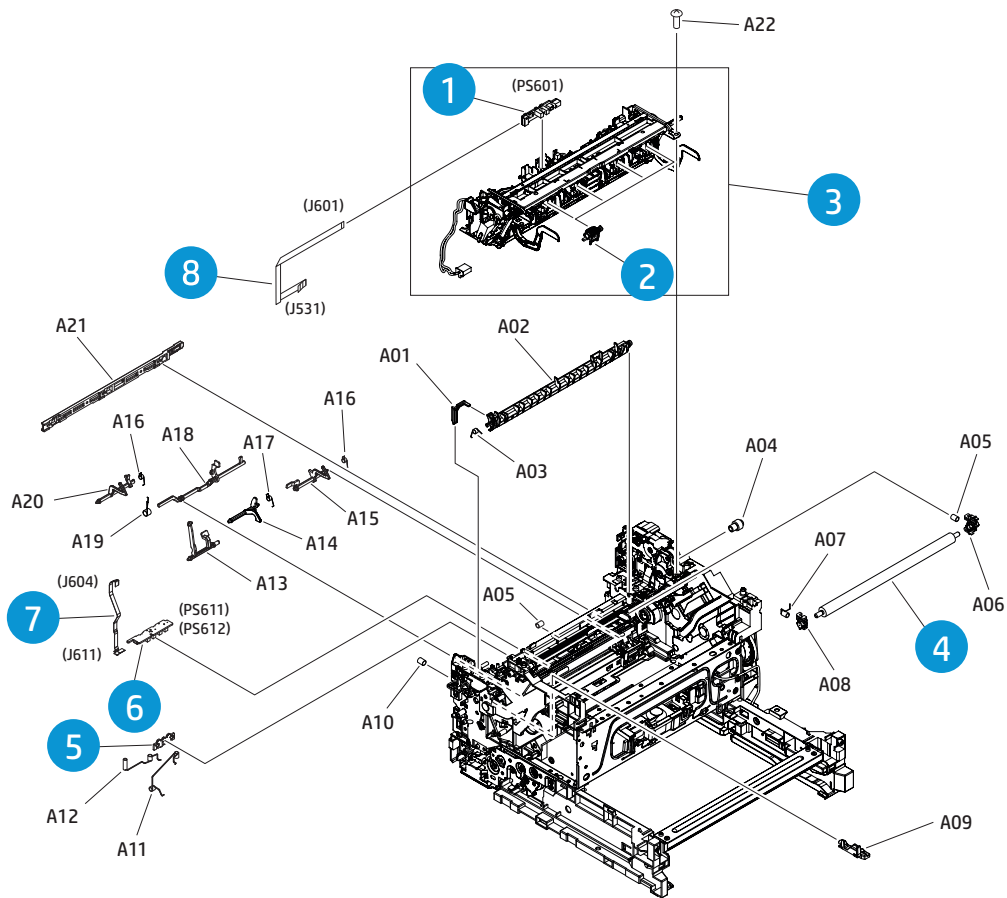


Table 2-14 Internal components - 2 (SFP and MFP models)

Ref No.	Description	Part number	Qty
1	Fixing output sensor PCB assembly	RM3-7863-000CN	1
2	Face-down roller assembly	RM2-3320-000CN	4
3	Fixing assembly (SFP - 110-127v)	RM2-3429-000CN	1
3	Fixing assembly (SFP - 220-240v)	RM2-3431-000CN	1
3	Fixing assembly (MFP - 110-127v)	RM2-4839-000CN	1
3	Fixing assembly (MFP - 220-240v)	RM2-4841-000CN	1
4	Roller, Transfer	RM2-2039-000CN	1
5	BIAS PCB assembly	RM3-7861-000CN	1
6	Registration sensor PCB assembly	RM3-7858-000CN	1

Table 2-14 Internal components - 2 (SFP and MFP models) (continued)

Ref No.	Description	Part number	Qty
7	Cable, flat, sensor	RM3-7908-000CN	1
8	Cable, flat, fixing	RM3-7907-000CN	1

Internal components - 3

Figure 2-7 Internal components - 3

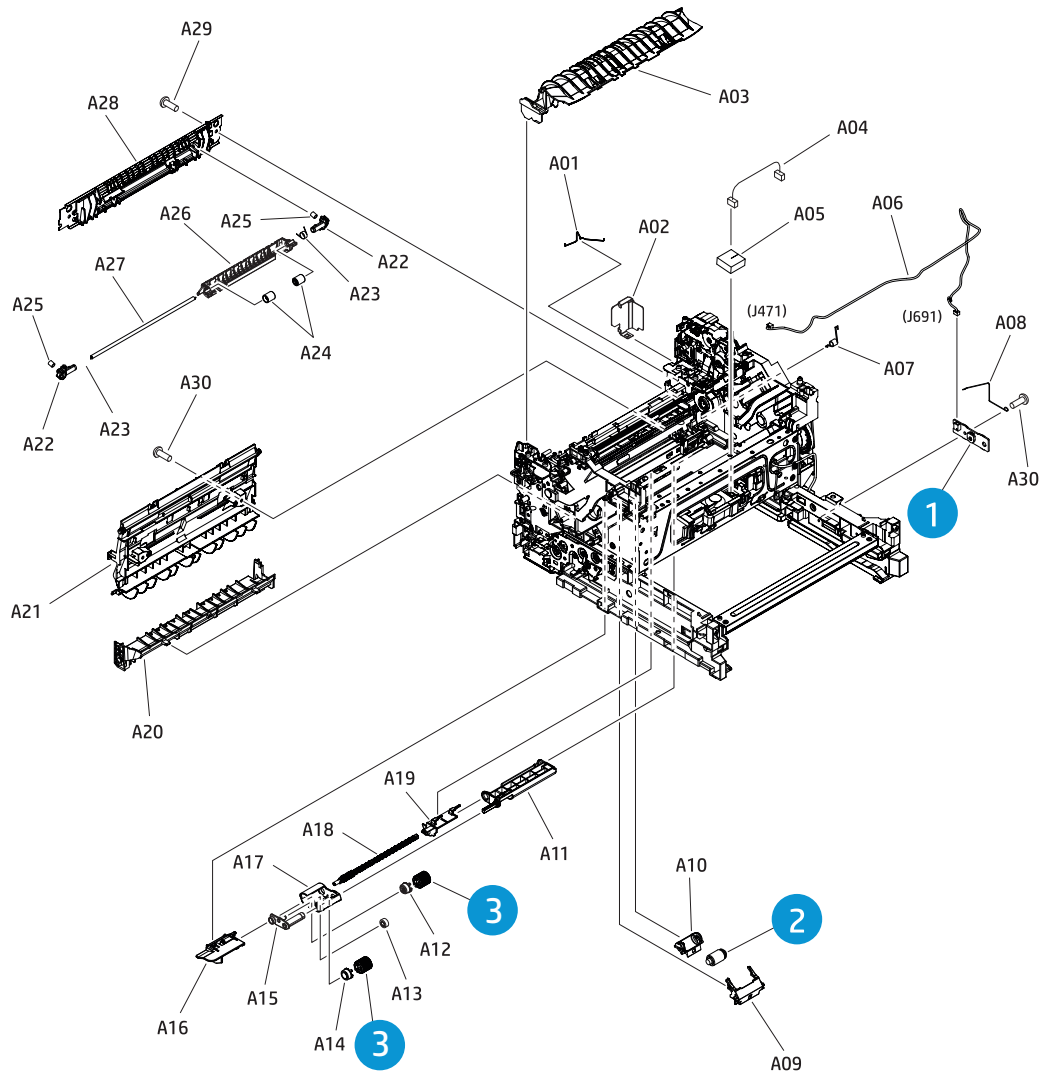


Table 2-15 Internal components - 3

Ref No.	Description	Part number	Qty
1	Media width detect PCB assembly (SFP only)	RM3-7821-000CN	1
2	Separation roller assembly	RM2-2692-000CN	1
3	Paper pick-up roller assembly	RM2-2695-000CN	2

Internal components - 4

Figure 2-8 Internal components 4

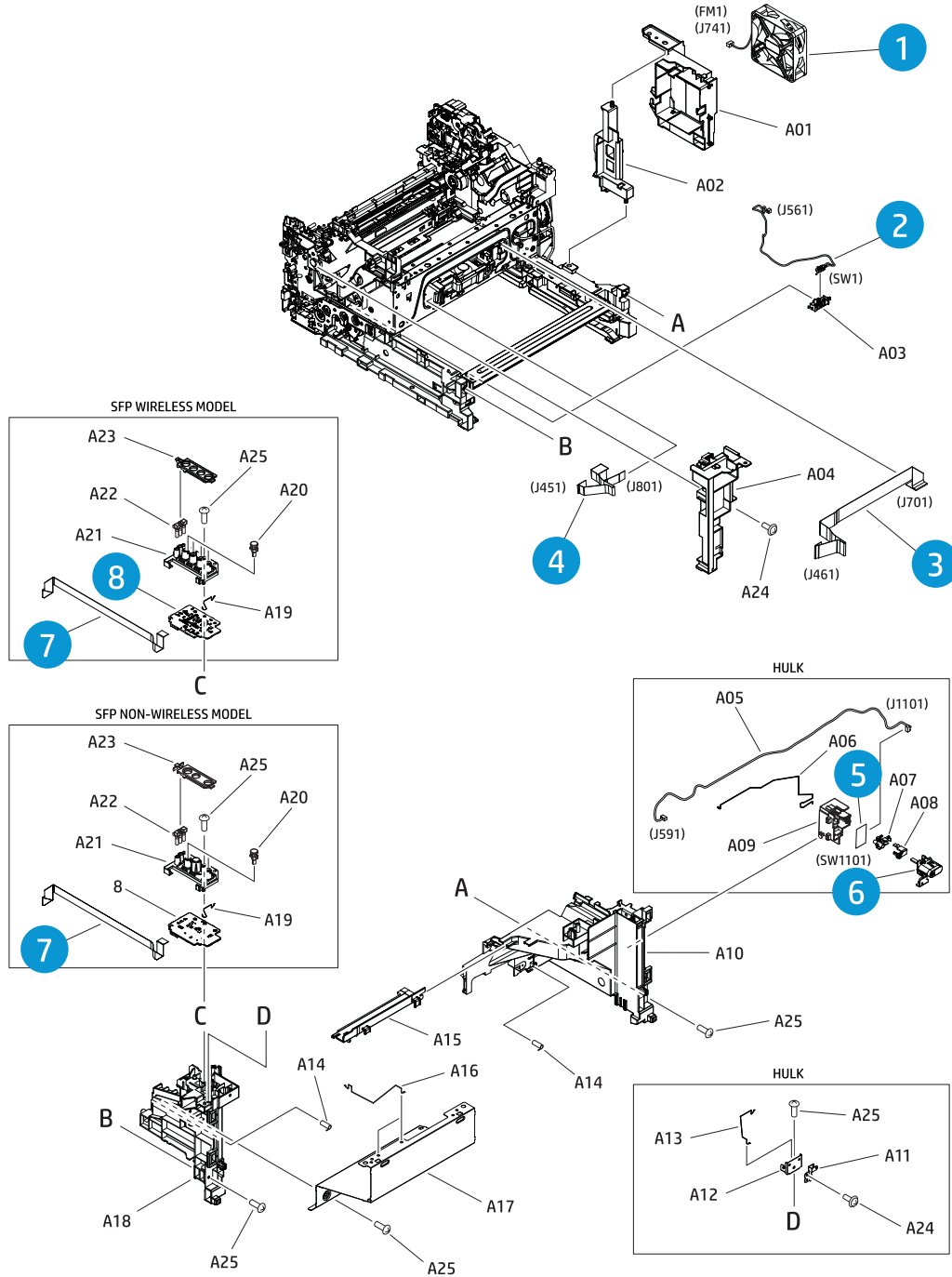


Table 2-16 Internal components 4

Ref	Description	Part number	Qty
1	Fan	RK2-1378-010CN	1
2	Switch cable assembly	RM3-8106-000CN	1
3	Cable, flat, motor	RK3-1069-000CN	1
4	Cable, flat, laser	RK3-1072-000CN	1
5	Power switch PCB assembly (MFP)	RM3-7885-000CN	1
6	Lever, Switch (MFP)	RC5-7585-000CN	1
7	Cable, flat, control panel (SFP)	RK3-1075-000CN	1
8	Control panel PCB assembly (SFP)	RM3-7884-000CN	1
8	Control panel PCB assembly (SFP - wireless model)	RM3-7886-000CN	1