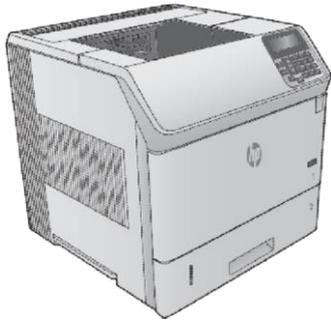


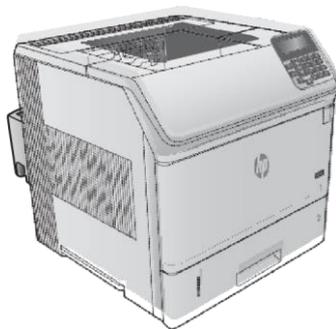


LASERJET ENTERPRISE M604, M605, M606

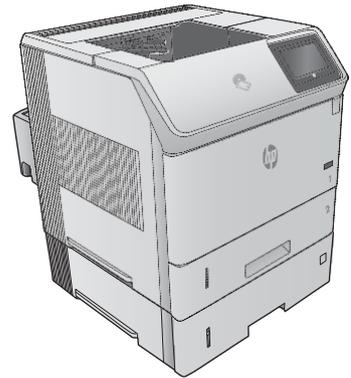
Maintenance kit replacement manual



M604n
M605n



M604dn
M605dn
M606dn



M605x
M606x

Conventions used in this guide



TIP: Tips provide helpful hints or shortcuts.



NOTE: Notes provide important information to explain a concept or to complete a task.



CAUTION: Cautions indicate procedures that you should follow to avoid losing data or damaging the product.



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

Table of Contents

Removal and replacement	7
For additional service and support.....	8
Removal and replacement strategy	9
Introduction.....	9
Considerations during removal and replacement.....	9
Electrostatic discharge.....	11
Required tools	11
Types of screws.....	12
Fasteners used in the printer.....	12
Removal and replacement: Fuser	13
Introduction.....	13
Step 1: Remove the duplex accessory	14
Step 2: Remove the duplex accessory cover.....	14
Step 3: Remove the rear output bin.....	15
Step 4: Remove the fuser.....	16
Step 5: Unpack the replacement fuser	17
Step 6: Install the fuser.....	17
Step 7: Install the rear output bin.....	18
Step 8: Install the duplex accessory cover.....	19
Step 9: Install the duplex accessory	19
Removal and replacement: Transfer roller	20
Introduction.....	20
Step 1: Remove the toner cartridge.....	21
Step 2: Remove the transfer roller.....	22
Step 3: Unpack the replacement transfer roller	23
Step 4: Install the transfer roller.....	23
Step 5: Install the toner cartridge.....	25
Removal and replacement: Pickup, feed, and separation rollers (Trays 2-6 and 1,500-sheet high- capacity input feeder)	26
Introduction.....	26
Step 1: Remove the tray.....	27
Step 2: Remove the pickup, feed, and separation rollers (trays 2-6).....	28
Step 3: Unpack the replacement pickup, feed, and separation rollers	29
Step 4: Install the pickup, feed, and separation rollers (trays 2-6)	30
Step 5: Install the tray	32
Step 6: Remove the pickup, feed, and separation rollers (HCI)	32
Step 7: Unpack the replacement pickup, feed, and separation rollers	35
Step 8: Install the pickup, feed, and separation rollers (HCI)	35
Removal and replacement: Fuser motor	37
Introduction.....	37
Step 1: Remove the right cover	38
Step 2: Remove the DC controller	40
Step 3: Remove the formatter and formatter case	42
Step 4: Remove the fuser motor.....	47
Step 5: Unpack the replacement fuser motor	49
Step 6: Install the fuser motor.....	51

Step 7: Install the DC controller.....	52
Step 8: Install the formatter and formatter case.....	54
Step 9: Install the right cover.....	58
Removal and replacement: Trays 2-6.....	61
Introduction.....	61
Step 1: Remove the tray.....	62
Step 2: Unpack the replacement tray.....	62
Step 3: Install the tray.....	63

List of Figures

Figure 1.	Screwdrivers	10
Figure 2.	Screw size chart	11
Figure 3.	Remove the duplex accessory	13
Figure 4.	Remove the duplex accessory cover	13
Figure 5.	Release the hinge pin	14
Figure 6.	Remove the output bin	14
Figure 7.	Squeeze the blue fuser-release tabs	15
Figure 8.	Remove the fuser	15
Figure 9.	Recycle and unpack	16
Figure 10.	Install the fuser	16
Figure 11.	Position the output bin	17
Figure 12.	Install left hinge pin	17
Figure 13.	Install the duplex accessory cover	18
Figure 14.	Install the duplex accessory	18
Figure 15.	Open the cartridge door.....	20
Figure 16.	Remove the toner cartridge	20
Figure 17.	Unpack the transfer-roller removal hook	21
Figure 18.	Lift the left side of the transfer roller	22
Figure 19.	Recycle and unpack	22
Figure 20.	Wear the protective gloves	23
Figure 21.	Install the right end of the transfer roller	23
Figure 22.	Install the left end of the transfer roller	24
Figure 23.	Install the toner cartridge	24
Figure 24.	Close the cartridge door	25
Figure 25.	Remove the tray	26
Figure 26.	Open the cover	27
Figure 27.	Remove the feed roller	27
Figure 28.	Remove the feed roller	27

Figure 29.	Recycle and unpack	28
Figure 30.	Install the pick roller	29
Figure 31.	Install the feed roller	29
Figure 32.	Open the cover	30
Figure 33.	Align the torque limiter	30
Figure 34.	Install the feed roller	31
Figure 35.	Install the tray	31
Figure 36.	Open the feeder door	32
Figure 37.	Open the separation-roller cover	32
Figure 38.	Remove the separation roller	33
Figure 39.	Remove the feed roller	33
Figure 40.	Remove the pick roller.....	34
Figure 41.	Recycle and unpack	34
Figure 42.	Install the pick roller	35
Figure 43.	Install the feed roller	35
Figure 44.	Open the separation-roller cover	36
Figure 45.	Open the front cover and cartridge door	37
Figure 46.	Remove two screws	38
Figure 47.	Release three tabs	38
Figure 48.	Remove the cover.....	39
Figure 49.	ZIF connector	39
Figure 50.	Disconnect the connectors.....	40
Figure 51.	Remove two screws and release one tab	40
Figure 52.	Remove the DC controller	41
Figure 53.	Open the formatter case door	41
Figure 54.	ZIF connector	42
Figure 55.	Disconnect all connectors	42
Figure 56.	Remove two screws	43

Figure 57.	Remove the wires from the formatter case	43
Figure 58.	Feed cables through the openings	44
Figure 59.	Remove formatter case	44
Figure 60.	Locate the fuser motor	45
Figure 61.	Release one spring	45
Figure 62.	Remove two screws	46
Figure 63.	Remove the bracket	46
Figure 64.	Remove the fuser motor	47
Figure 65.	Recycle and unpack	47
Figure 66.	Install the fuser motor	48
Figure 67.	Position the bracket	48
Figure 68.	Install two screws	49
Figure 69.	Attach one spring	49
Figure 70.	Position the DC controller on the printer	50
Figure 71.	Install two screws	50
Figure 72.	ZIF connector	51
Figure 73.	Connect the connectors.....	51
Figure 74.	Position the formatter case	52
Figure 75.	Install the formatter case	52
Figure 76.	Position the wires in the formatter case	53
Figure 77.	Install two screws	53
Figure 78.	ZIF connector	54
Figure 79.	Connect all connectors	54
Figure 80.	Close the formatter case door	55
Figure 81.	Note location of tabs	55
Figure 82.	Position the front tabs	56
Figure 83.	Slide the cover	56
Figure 84.	Install two screws	57
Figure 85.	Close the front cover and cartridge door	57

Figure 86.	Remove the tray	59
Figure 87.	Recycle and unpack	59
Figure 88.	Install the tray	60

Removal and replacement

- For additional service and support
- Removal and replacement strategy

For additional service and support

HP service personnel, go to the Service Access Work Bench (SAW) at <http://h41302.www4.hp.com/km/saw/home.do>.

Channel partners, go to HP Channel Services Network (CSN) at <https://h30125.www3.hp.com/hpcsn>.

- To access HP PartSurfer information from any mobile device, go to <http://partsurfermobile.hp.com/> or scan the Quick Response (QR) code below.



- 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 & regulatory information

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 or server, or the printer).
2. Troubleshoot the problem by using the procedures in the troubleshooting chapter.

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. Hewlett-Packard Company 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

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

Replacing FRUs is generally the reverse of removal. Notes are included to provide directions for difficult or critical replacement procedures.

HP does not support repairing individual subassemblies or troubleshooting to the printed-circuit assembly (PCA) 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.

Turn the printer off, wait 5 seconds, and then remove the power cord 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 cord 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 cord must be *disconnected* before servicing the product.

⚠ 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 expose the toner cartridge or cartridges, 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, DC controller, and eMMC PCA or hard-disk drive simultaneously during a single printer servicing. Doing so might cause the printer to become unstable or inoperable.

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

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 with vinyl.

 **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

 **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.

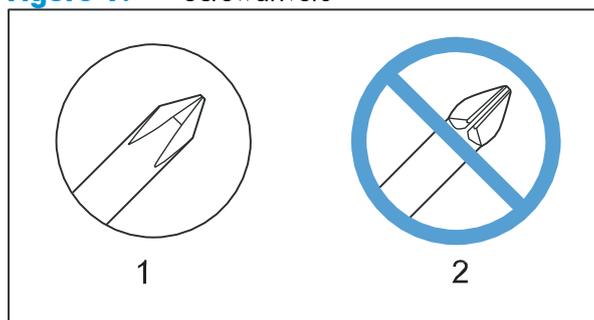
Protect the ESD-sensitive assemblies by placing them in ESD pouches when they are out of the printer.

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. Screwdrivers



Types of screws

⚠ WARNING! Make sure that assemblies are replaced with the correct screw type. Using the incorrect screw (for example, substituting a long screw for the correct shorter screw) can cause damage to the 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.

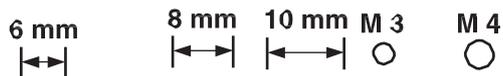
📝 NOTE: To install a self-tapping screw, first turn it counterclockwise to align it with the existing thread pattern, and then carefully turn it clockwise to tighten. Do not overtighten. If a self-tapping screw-hole becomes stripped, repair the screw-hole or replace the affected assembly.

Always take note of the length, diameter, color, type, and location of each removed screw. Make sure that screws are installed in the original location they were removed from during reinstallation.

Fasteners used in the printer

- Screw, BH M3X10
- Screw, with washer, M3X8
- Screw, D M3X8
- Screw, machine, truss head, M3X6

Figure 2. Screw size chart



Removal and replacement: Fuser

- [Introduction](#)
- [Step 1: Remove the duplex accessory](#)
- [Step 2: Remove the duplex accessory cover](#)
- [Step 3: Remove the rear output bin](#)
- [Step 4: Remove the fuser](#)
- [Step 5: Unpack the replacement fuser](#)
- [Step 6: Install the fuser](#)
- [Step 7: Install the rear output bin](#)
- [Step 8: Install the duplex accessory cover](#)
- [Step 9: Install the duplex accessory](#)

Introduction

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



NOTE: The printer might appear different from some of the figures below; however, the procedures in this section are correct for this printer.

Before performing service turn the printer power off

- Disconnect the power cable.



WARNING! To avoid damage to the printer, turn the printer off, wait 30 seconds, and then remove the power cord 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.

Fuser part numbers

E6B67-67901	Fuser kit (110V)
E6B67-67902	Fuser kit (220V)

Required tools

- No special tools are required to install this part.

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.

Reset the Maintenance kit counter:

1. At the product control panel, press the Home button.
2. Open the following menus:
 - a Administration
 - b Manage Supplies
 - c Reset Supplies
 - d New Maintenance Kit
3. Select the Yes option to reset the maintenance-kit counter

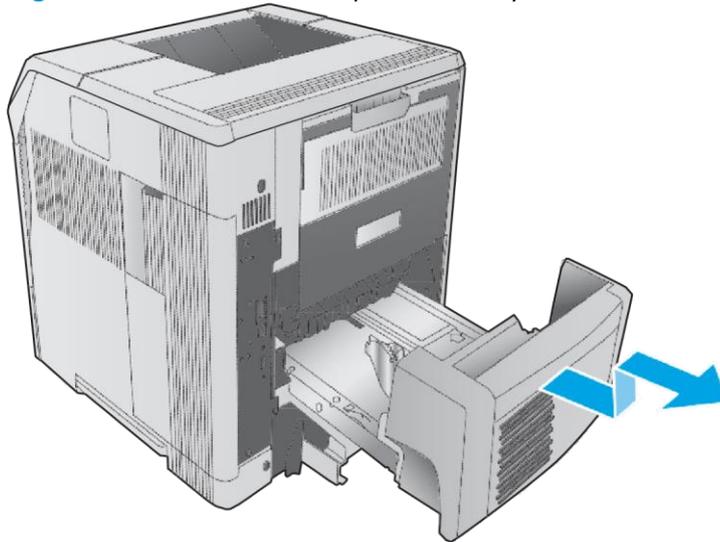
Print a configuration page to make sure that the printer is functioning correctly.

Step 1: Remove the duplex accessory

NOTE: If the optional duplex accessory is not installed, skip this step and go to [Step 2: Remove the duplex accessory cover on page 14](#).

- Slightly lift up on the duplex accessory, and then pull it completely out of the printer to remove it.

Figure 3. Remove the duplex accessory

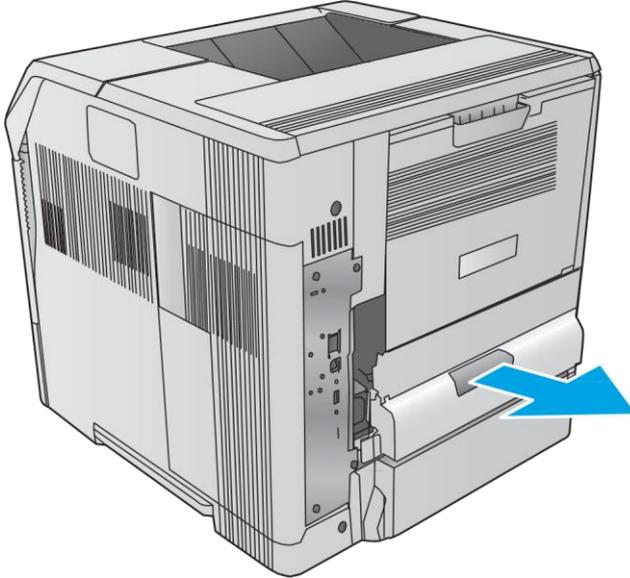


Step 2: Remove the duplex accessory cover

NOTE: If the duplex accessory cover is not installed, skip this step and go to [Step 3: Remove the rear output bin on page 15](#).

- Pull the duplex accessory cover straight out of the printer to remove it.

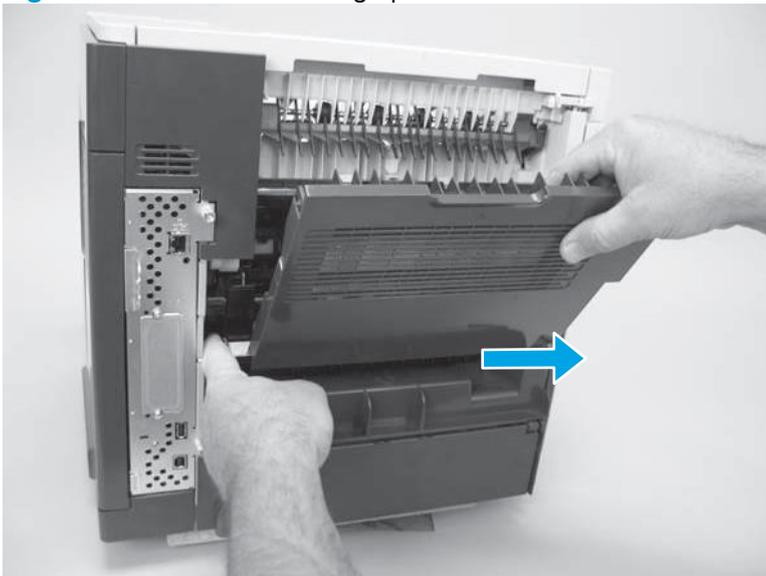
Figure 4. Remove the duplex accessory cover



Step 3: Remove the rear output bin

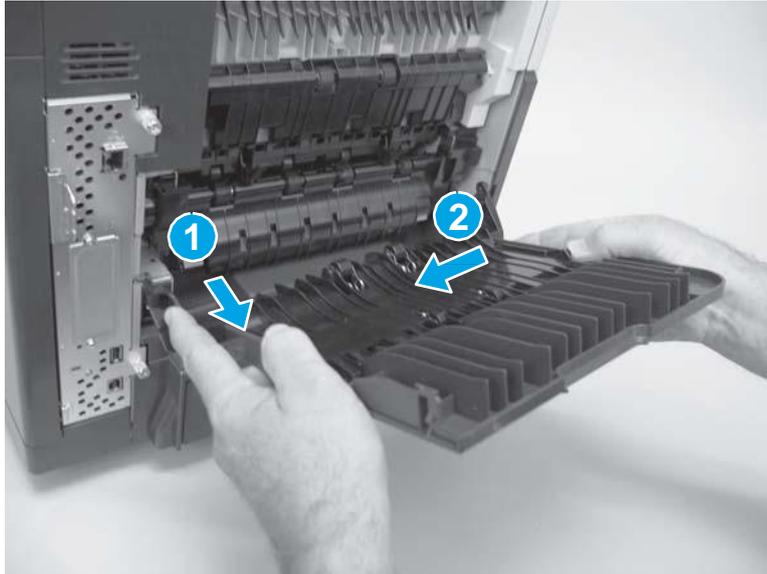
1. Open the rear output bin, and then squeeze the hinge pin out of its mounting hole.

Figure 5. Release the hinge pin



2. Rotate the output bin away from the printer (callout 1) until the right hinge pin is released, and then slide the output bin to the left (callout 2) to remove it.

Figure 6. Remove the output bin

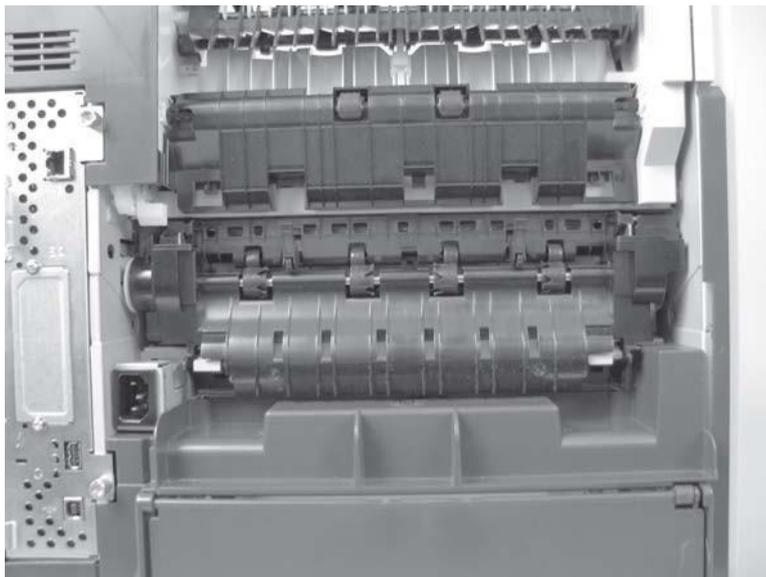


Step 4: Remove the fuser

⚠ WARNING! The fuser might be very hot. After turning off the printer power, allow the fuser to cool for at least 5 minutes before removing it.

1. Squeeze the blue fuser-release tabs (callout 1).

Figure 7. Squeeze the blue fuser-release tabs



2. Pull the fuser straight back and out of the printer.

Figure 8. Remove the fuser

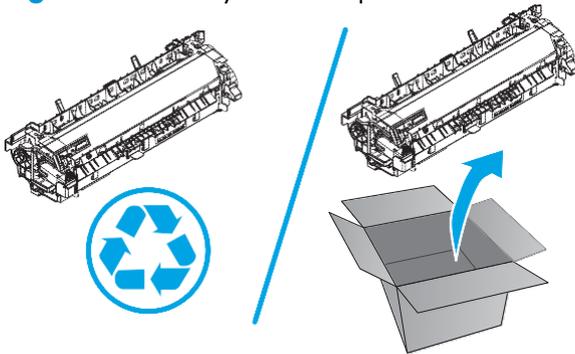


Step 5: Unpack the replacement fuser

Unpack the replacement part from the packaging. <http://www8.hp.com/us/en/hp-information/environment/product-recycling.html>

NOTE: HP recommends responsible disposal of the defective part.

Figure 9. Recycle and unpack



Step 6: Install the fuser

□ Position the fuser on the printer, and then push it toward the printer to install it.

CAUTION: Do not drop or jar the fuser. It can easily be damaged if it is mishandled.

TIP: Make sure that the fuser is fully seated into the printer. You should hear both sides snap into place.

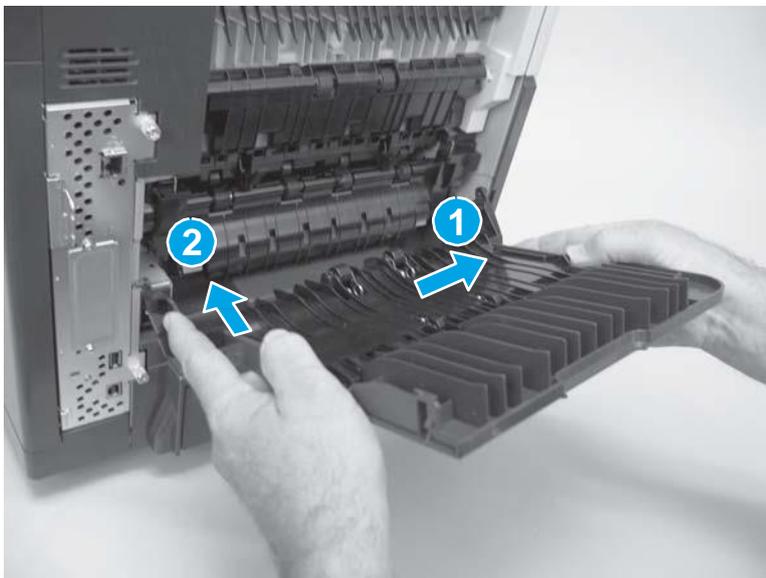
Figure 10. Install the fuser



Step 7: Install the rear output bin

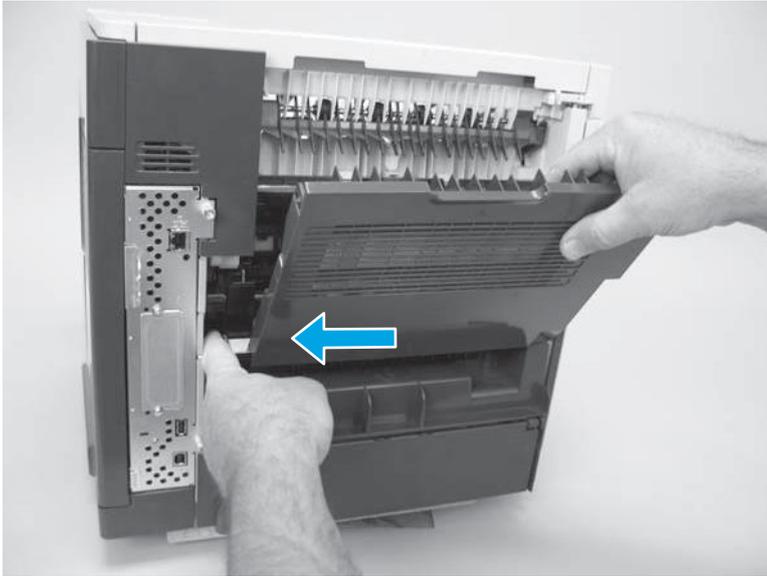
1. Install the right hinge pin (callout 1), and then rotate the output bin toward the printer (callout 2).

Figure 11. Position the output bin



2. Make sure that the left hinge pin is installed in the mounting hole.

Figure 12. Install left hinge pin



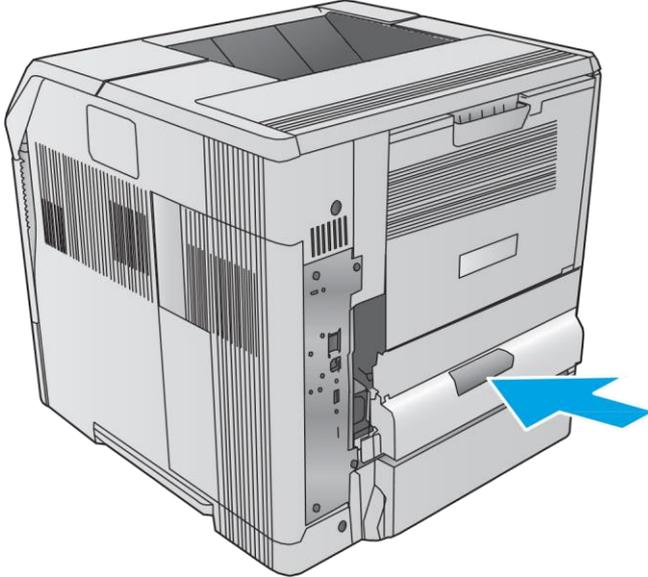
Step 8: Install the duplex accessory cover



NOTE: If the duplex accessory cover was not removed, skip this step and go to [Step 9: Install the duplex accessory on page 19](#)

- Slide the duplex accessory cover straight into the printer to install it.

Figure 13. Install the duplex accessory cover



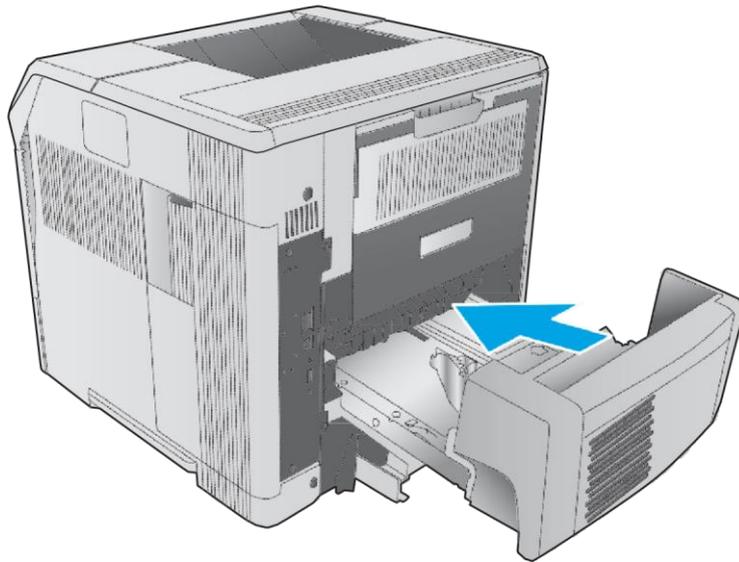
Step 9: Install the duplex accessory



NOTE: If the optional duplex accessory was not removed, skip this step.

- Slide the duplex accessory straight into the printer to install it.

Figure 14. Install the duplex accessory



Removal and replacement: Transfer roller

- [Introduction](#)
- [Step 1: Remove the toner cartridge](#)
- [Step 2: Remove the transfer roller](#)
- [Step 3: Unpack the replacement transfer roller](#)
- [Step 4: Install the transfer roller](#)
- [Step 5: Install the toner cartridge](#)

Introduction

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 30 seconds, and then remove the power cord 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.

Transfer roller part number

E6B67-67904	Transfer roller with instruction guide
--------------------	--

Required tools

- No special tools are required to remove this part.

After performing service turn the printer power on

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

Post service test

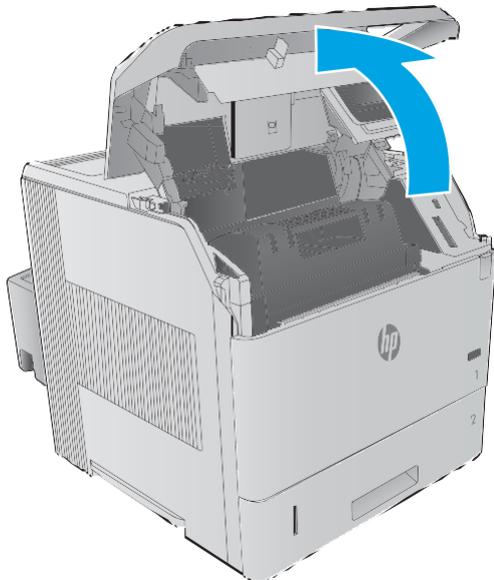
Make sure that the printer initializes to a **Ready** state.

Print a configuration page to make sure that the printer is functioning correctly.

Step 1: Remove the toner cartridge

1. Open the cartridge door.

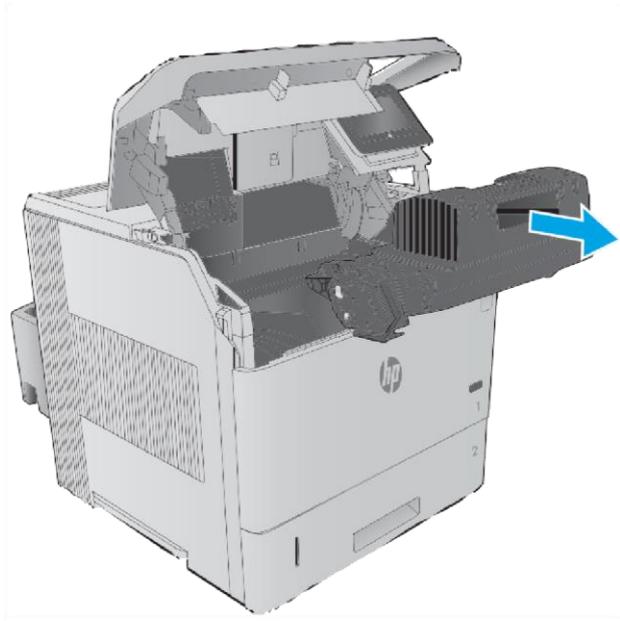
Figure 15. Open the cartridge door



2. Firmly grasp the toner cartridge and pull it up and out of the printer.

CAUTION: Do not expose the toner cartridge to bright light or direct sunlight for long periods of time. This can damage the cartridge, which will result in print-quality defects. If the cartridge must be removed from the printer for an extended amount of time, cover it and keep it out of bright light or direct sunlight.

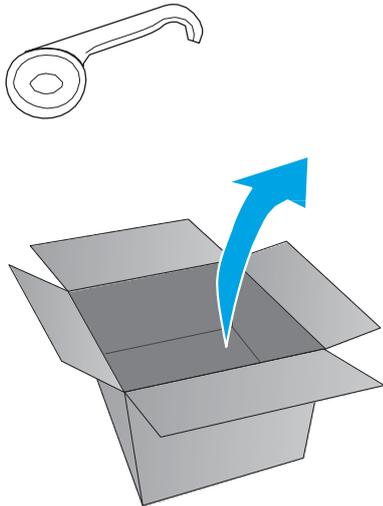
Figure 16. Remove the toner cartridge



Step 2: Remove the transfer roller

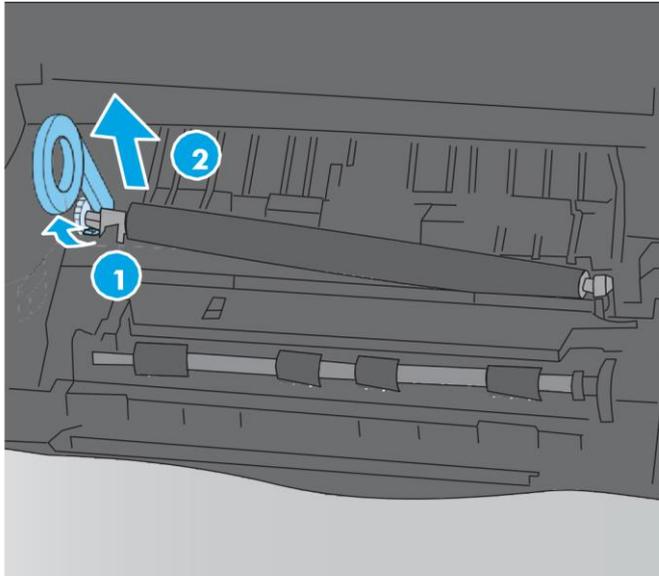
1. Remove the transfer-roller removal hook from the replacement kit packaging.

Figure 17. Unpack the transfer-roller removal hook



2. Insert the transfer-roller removal hook around the left end of the metal shaft near the blue gear (callout 1). Lift the hook up (callout 2) to disengage the left side of the transfer roller.

Figure 18. Lift the left side of the transfer roller



3. Slide the transfer roller to the left, and then lift up to remove it.

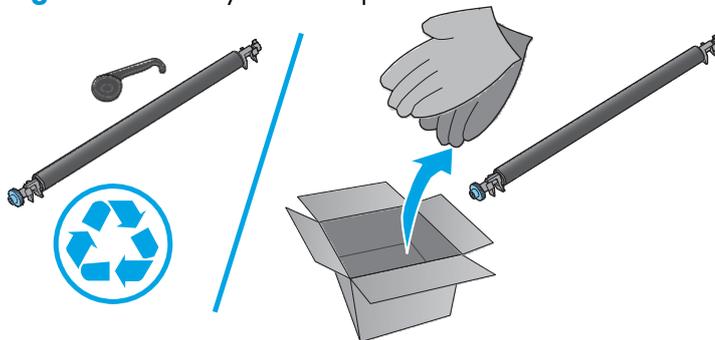
Step 3: Unpack the replacement transfer roller

Unpack the replacement part from the packaging. <http://www8.hp.com/us/en/hp-information/environment/product-recycling.html> **NOTE:** HP recommends responsible



disposal of the defective part.

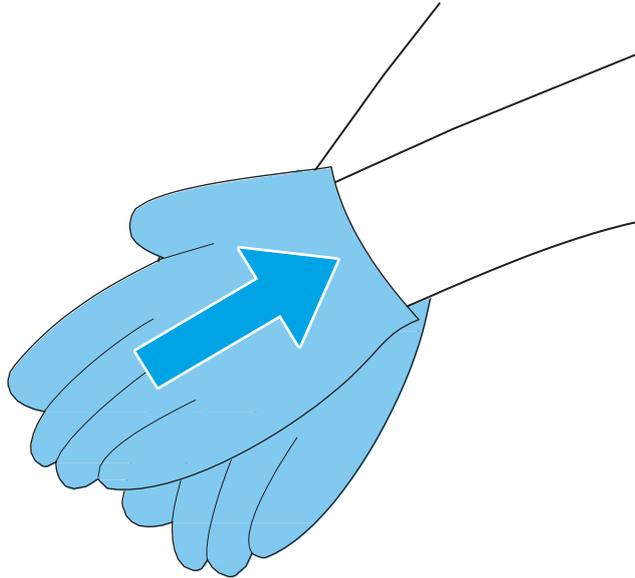
Figure 19. Recycle and unpack



Step 4: Install the transfer roller

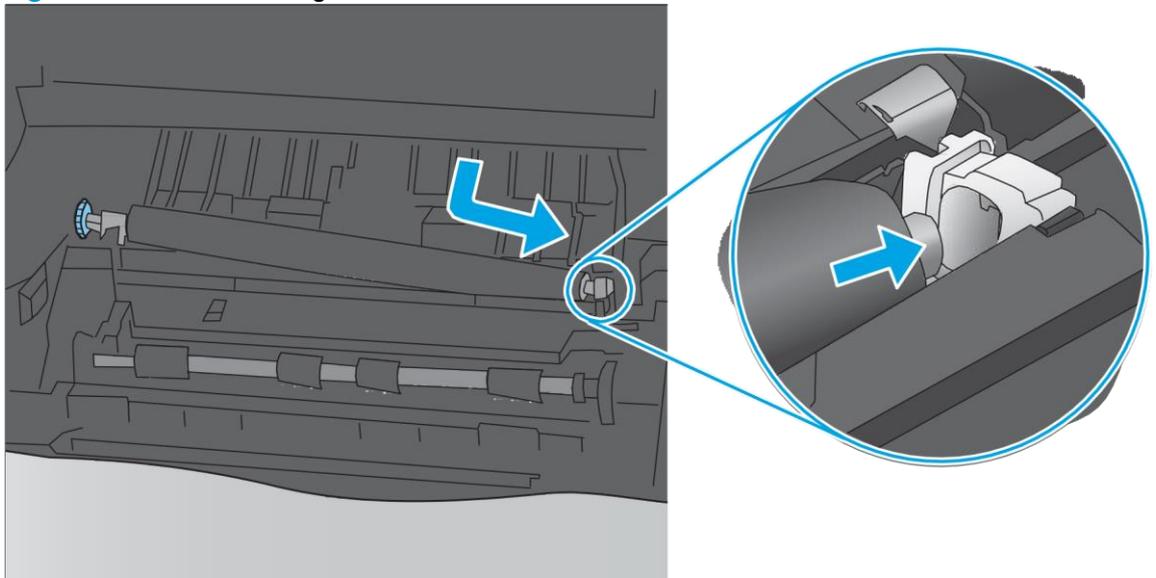
1. Put on the protective gloves provided in the replacement kit before handling the replacement roller. These will protect the roller from contamination by skin oils, which can cause print-quality problems.

Figure 20. Wear the protective gloves



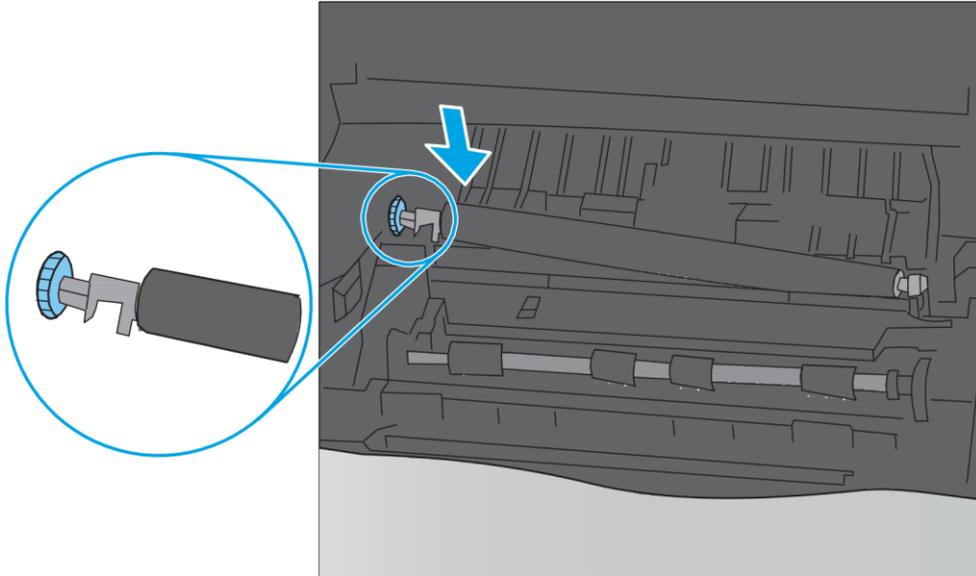
2. Install the right end of the transfer roller into the slot in the printer.

Figure 21. Install the right end of the transfer roller



3. Lower the transfer roller into position on the left. Make sure that the collar on the left side is oriented correctly, with the open end face-down (the solid end is face-up).

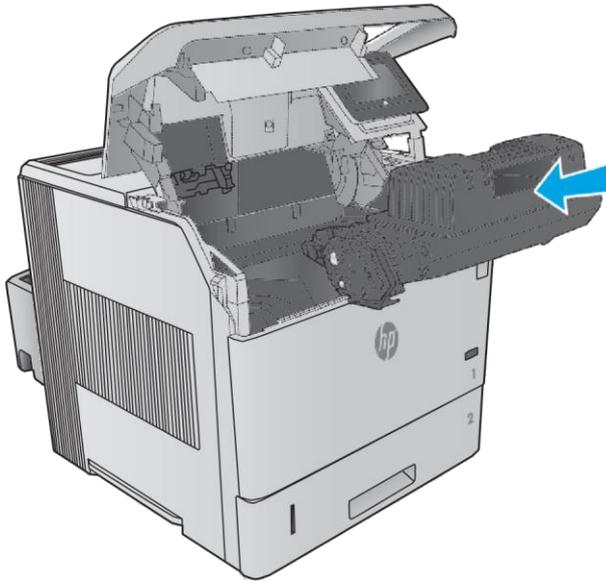
Figure 22. Install the left end of the transfer roller



Step 5: Install the toner cartridge

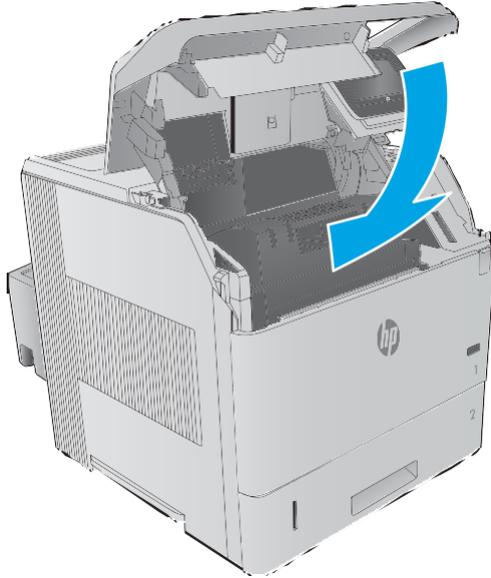
1. Install the toner cartridge.

Figure 23. Install the toner cartridge



2. Close the cartridge door.

Figure 24. Close the cartridge door



Removal and replacement: Pickup, feed, and separation rollers (Trays 2-6 and 1,500-sheet high-capacity input feeder)

- [Introduction](#)
- [Step 1: Remove the tray](#)
- [Step 2: Remove the pickup, feed, and separation rollers \(trays 2-6\)](#)
- [Step 3: Unpack the replacement pickup, feed, and separation rollers](#)
- [Step 4: Install the pickup, feed, and separation rollers \(trays 2-6\)](#)
- [Step 5: Install the tray](#)
- [Step 6: Remove the pickup, feed, and separation rollers \(HCI\)](#)
- [Step 7: Unpack the replacement pickup, feed, and separation rollers](#) □ [Step 8: Install the pickup, feed, and separation rollers \(HCI\)](#)

Introduction

This document provides the procedures to remove and replace the pickup, feed, and separation rollers for Tray 2, the optional 500-sheet paper feeders, and the 1,500-sheet high-capacity input feeder (HCI).

Before performing service turn the printer power off

- Disconnect the power cable.

⚠ WARNING! To avoid damage to the printer, turn the printer off, wait 30 seconds, and then remove the power cord 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.

Trays 2-6 pickup, feed, and separation rollers part number E6B67-67905

Trays 2-6 rollers with instruction guide

Required tools

- No special tools are required to install this part.

After performing service turn the printer power on

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

Post service test

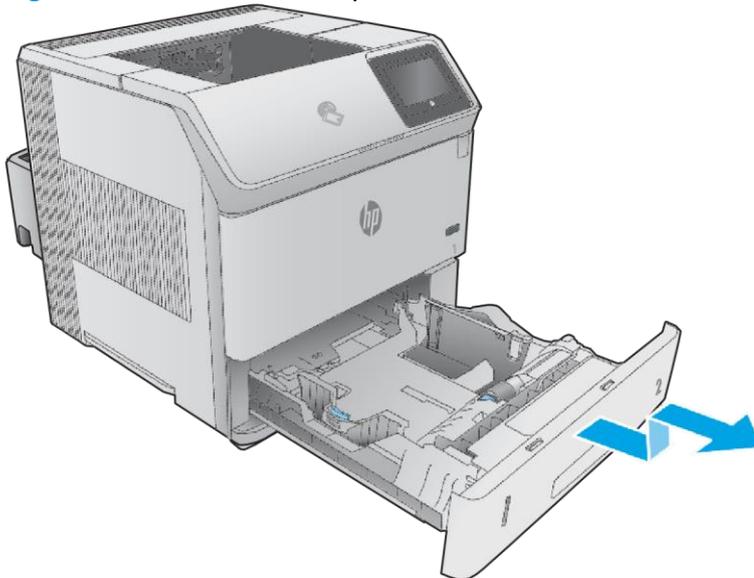
Make sure that the printer initializes to a **Ready** state.

Print a configuration page to make sure that the printer is functioning correctly.

Step 1: Remove the tray

- Pull the tray out, slightly lift up, and then pull it completely out of the printer to remove it.

Figure 25. Remove the tray

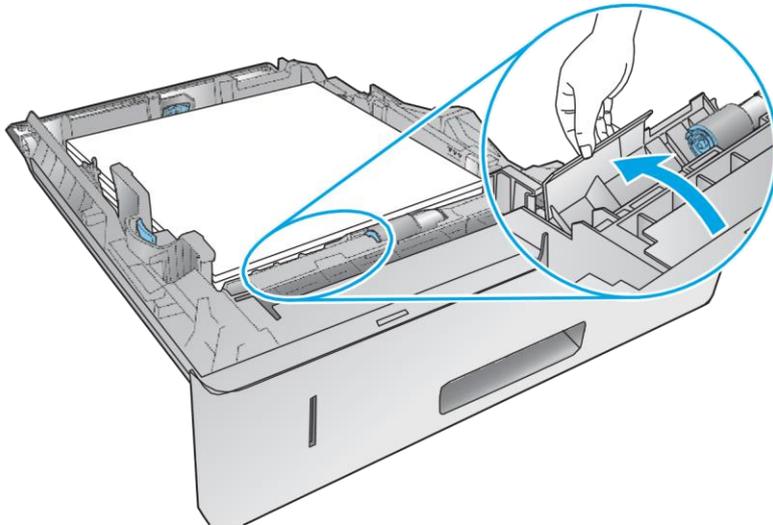


Step 2: Remove the pickup, feed, and separation rollers (trays 2-6)

CAUTION: When handling the rollers, avoid touching the roller surfaces. Skin oils and fingerprints on a roller surface can cause print-quality problems.

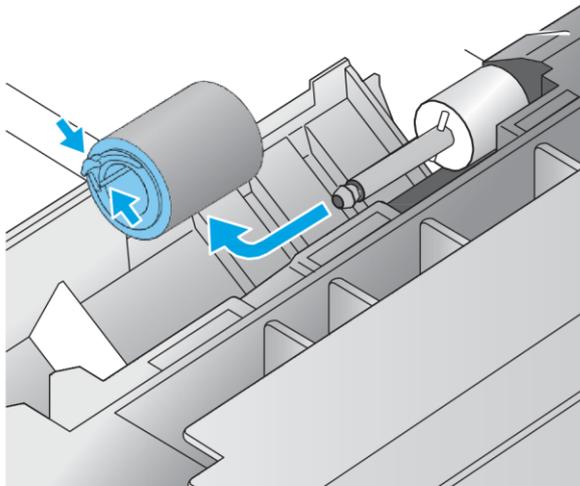
1. Place the tray on a level work surface. Locate and open the spring-loaded cover that is next to the roller in the tray.

Figure 26. Open the cover



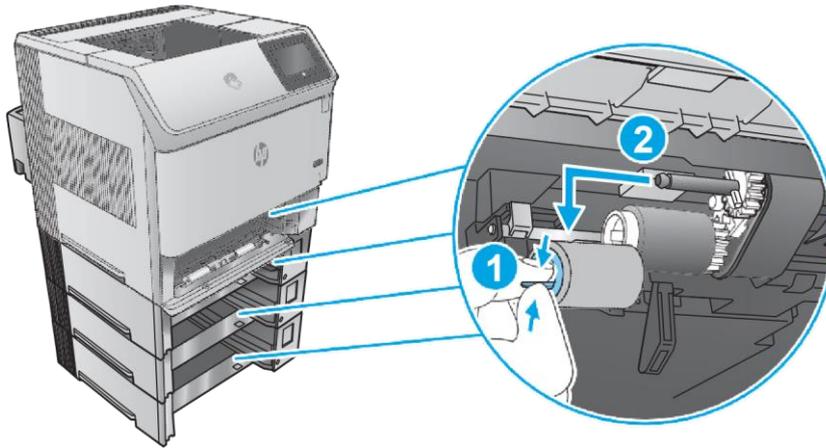
2. Pinch the blue tab that is on the left side of the roller, and then slide the roller off of the shaft.

Figure 27. Remove the feed roller

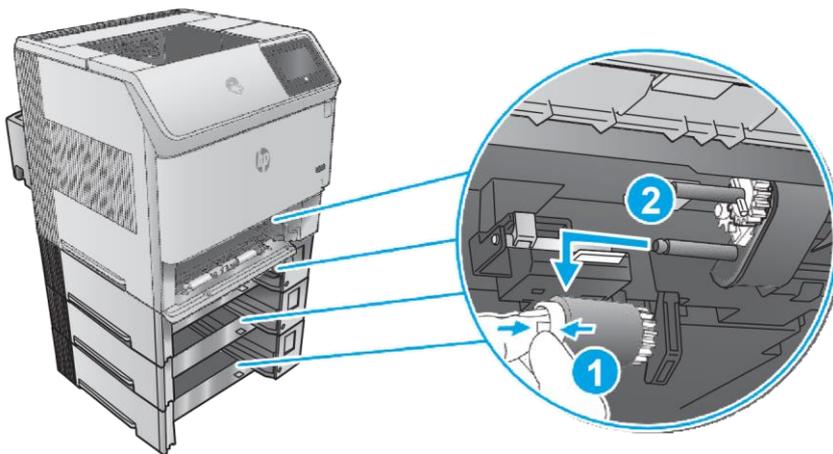


3. Inside the tray cavity, pinch the blue tab that is on the left side of the upper feed roller (callout 1), and then slide the roller off of the shaft (callout 2).

Figure 28. Remove the feed roller



4. Inside the tray cavity, pinch the blue tab that is on the left side of the lower pick roller (callout 1), and then slide the roller off of the shaft (callout 2).



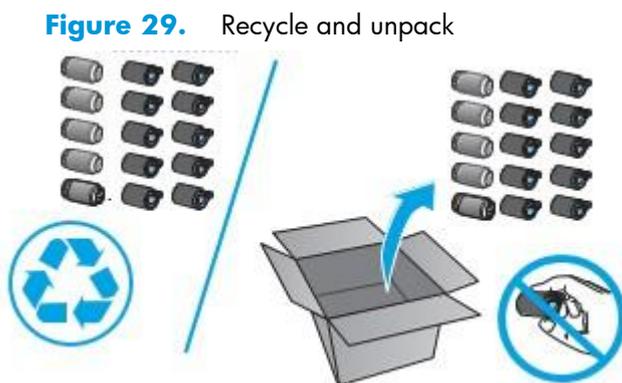
Step 3: Unpack the replacement pickup, feed, and separation rollers

Unpack the replacement parts from the packaging. <http://www8.hp.com/us/en/hp->

[information/environment/product-recycling.html](http://www8.hp.com/us/en/hp-information/environment/product-recycling.html) **NOTE:** HP recommends responsible



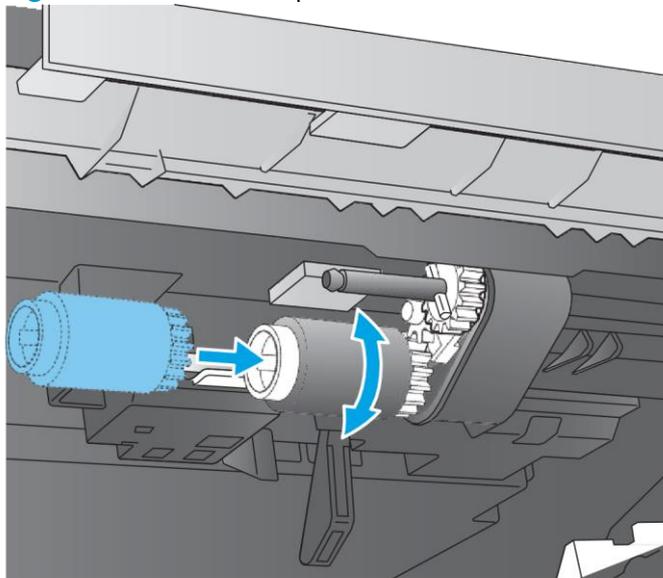
disposal of the defective parts.



Step 4: Install the pickup, feed, and separation rollers (trays 2-6)

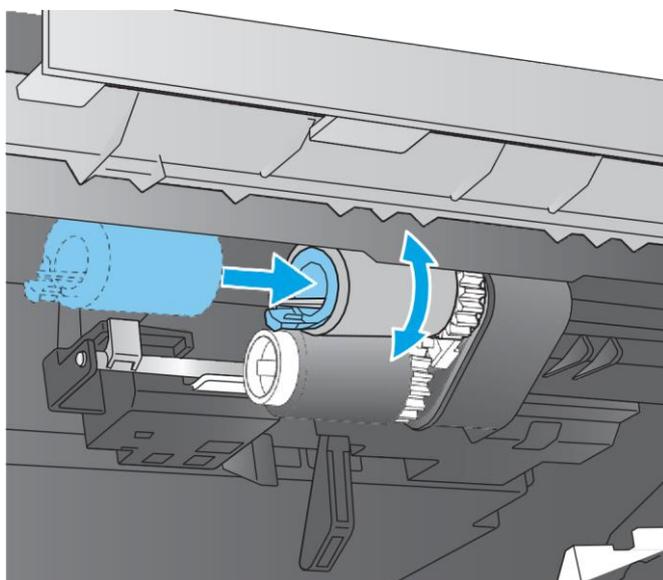
1. Inside the tray cavity, slide the lower pick roller onto the shaft. You might have to rotate the roller while sliding it onto the shaft to make sure it clicks into place.

Figure 30. Install the pick roller



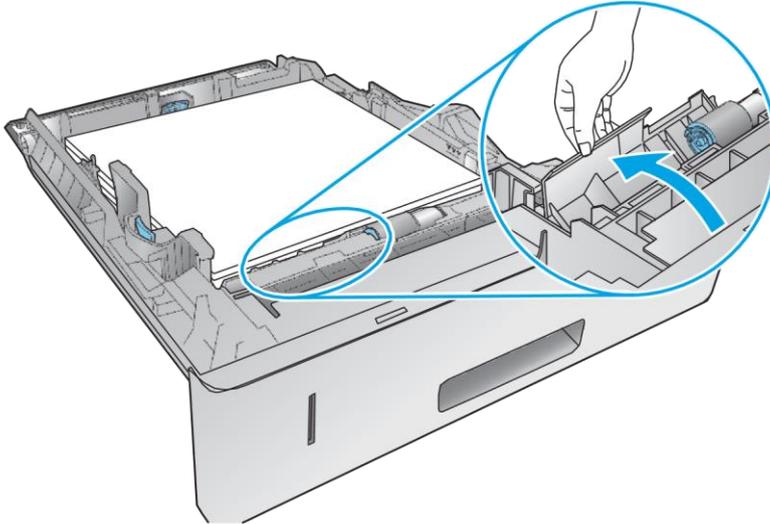
2. Inside the tray cavity, slide the upper feed roller onto the shaft. You might have to rotate the roller while sliding it onto the shaft to make sure it clicks into place.

Figure 31. Install the feed roller



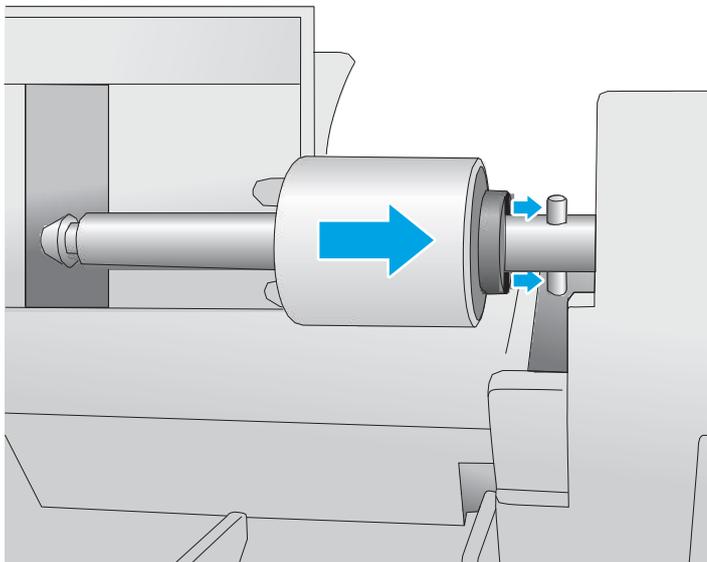
3. Open the spring-loaded cover that is next to the roller in the tray.

Figure 32. Open the cover



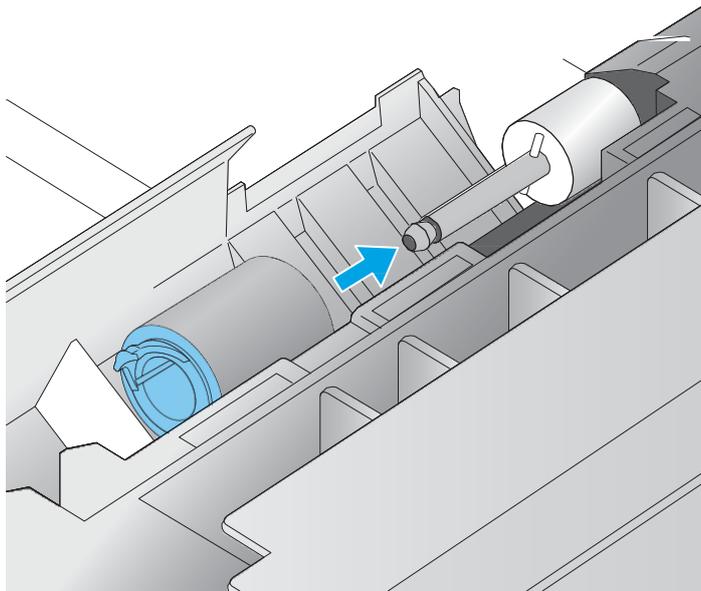
4. Before installing the feed roller, make sure that the torque limiter (the white roller on the shaft next to the feed roller) is correctly positioned against the locking pins on the shaft.

Figure 33. Align the torque limiter



5. Slide the feed roller onto the shaft. You might have to rotate the roller while sliding it onto the shaft to make sure it clicks into place.

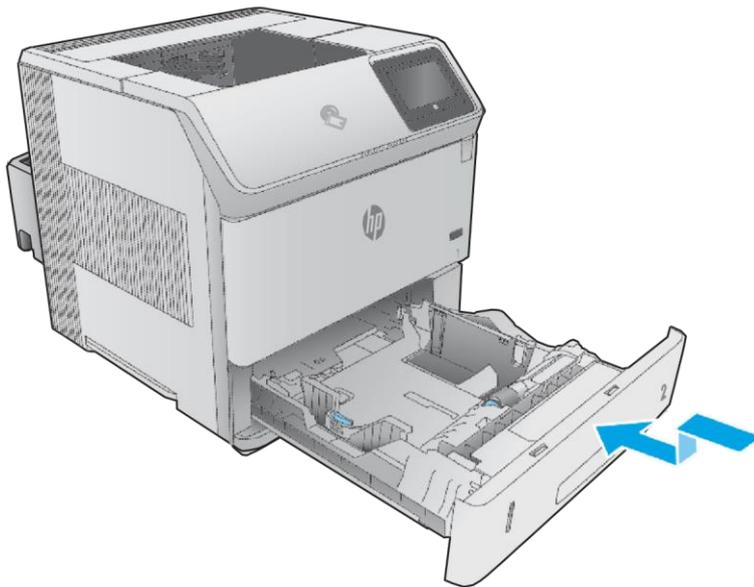
Figure 34. Install the feed roller



Step 5: Install the tray

- Lift the tray up slightly and install the back edge of the tray into the tray cavity. Lower the tray, and then slide it into the printer.

Figure 35. Install the tray



Step 6: Remove the pickup, feed, and separation rollers (HCI)

If the printer does not have the optional HCI installed, skip the remaining steps in this procedure.

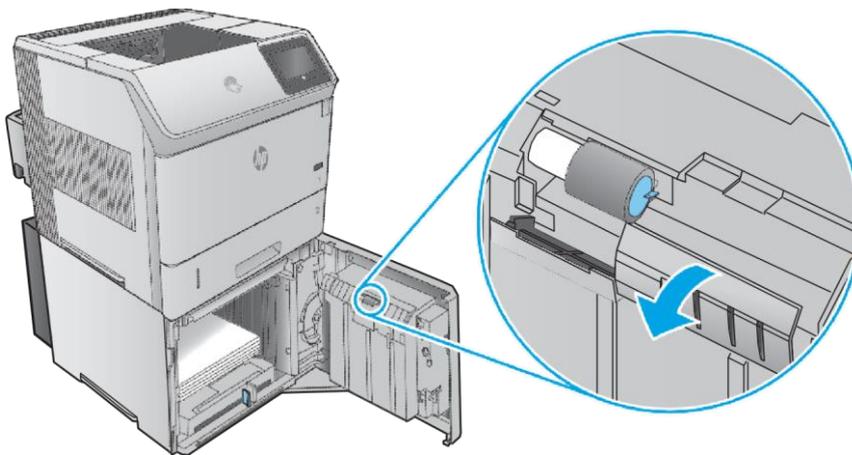
1. Press on the latch (callout 1), and then open the feeder door (callout 2).

Figure 36. Open the feeder door



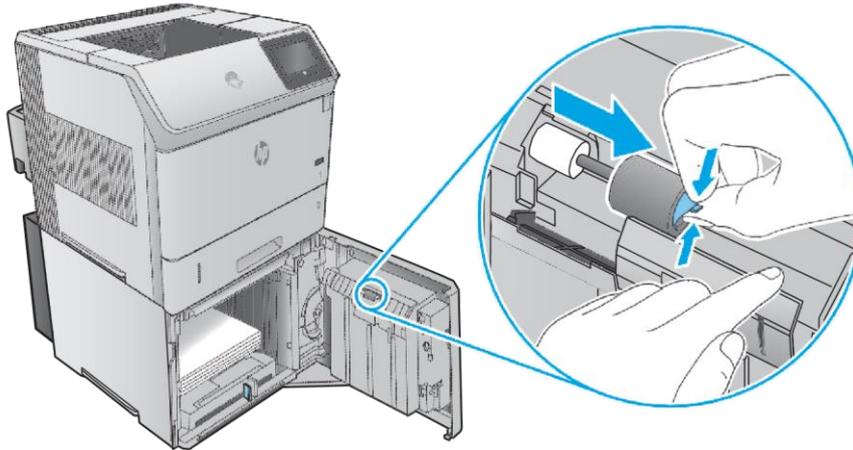
2. Open the separation-roller cover.

Figure 37. Open the separation-roller cover



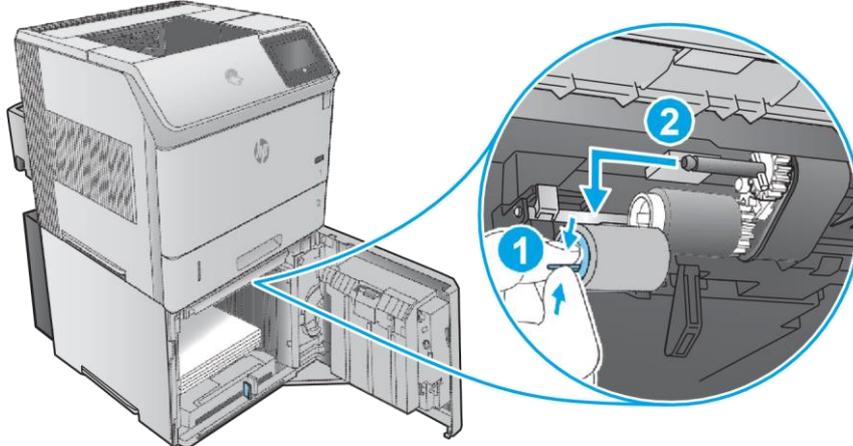
3. Pinch the blue tab that is on the left side of the separation roller, and then slide the roller off of the shaft.

Figure 38. Remove the separation roller



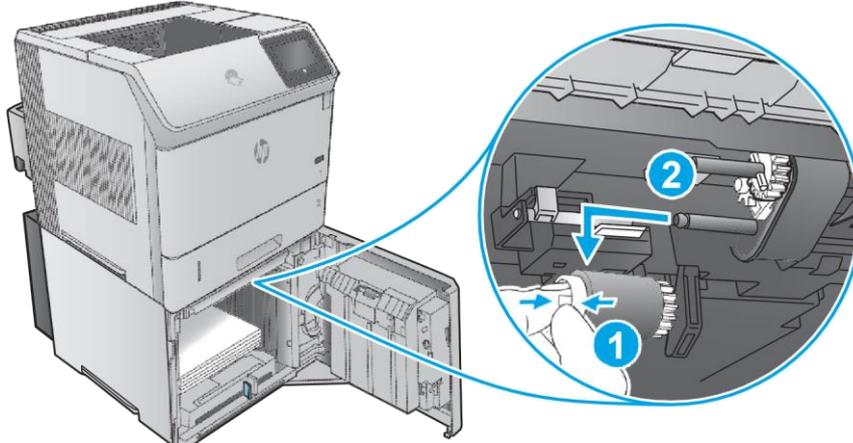
4. Inside the tray cavity, pinch the blue tab that is on the left side of the upper feed roller (callout 1), and then slide the roller off of the shaft (callout 2).

Figure 39. Remove the feed roller



5. Inside the tray cavity, pinch the blue tab that is on the left side of the lower pick roller (callout 1), and then slide the roller off of the shaft (callout 2).

Figure 40. Remove the pick roller



Step 7: Unpack the replacement pickup, feed, and separation rollers

Unpack the replacement parts from the packaging. <http://www8.hp.com/us/en/hp-information/environment/product-recycling.html>

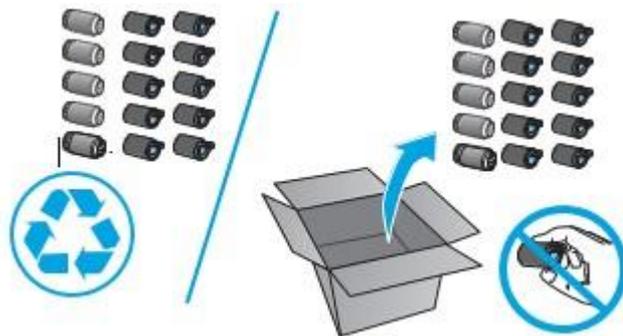
CAUTION: When handling the rollers, avoid touching the roller surfaces. Skin oils and fingerprints on a roller surface can cause print-quality problems.



NOTE: HP recommends responsible disposal of the defective parts.

The number of rollers replaced depends upon the number of input accessories installed.

Figure 41. Recycle and unpack

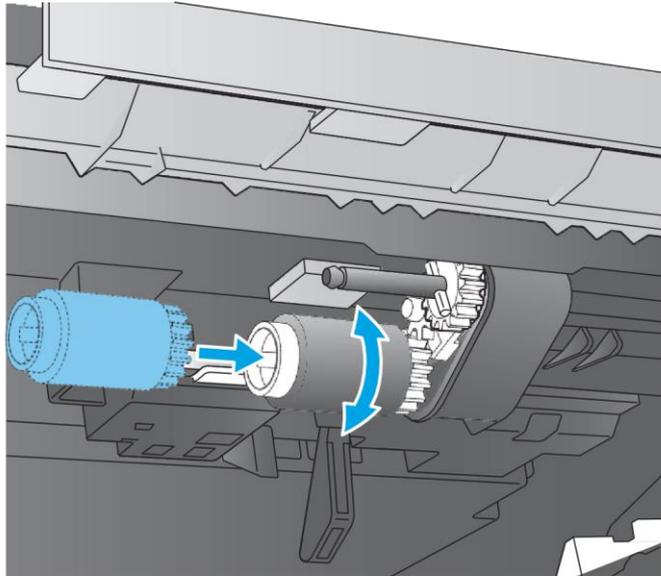


Step 8: Install the pickup, feed, and separation rollers (HCI)

CAUTION: When handling the rollers, avoid touching the roller surfaces. Skin oils and fingerprints on a roller surface can cause print-quality problems.

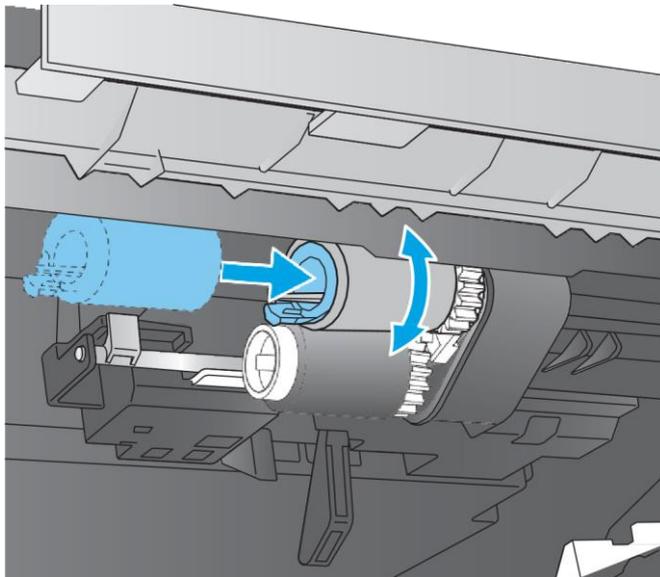
1. Inside the tray cavity, slide the lower pick roller onto the shaft. You might have to rotate the roller while sliding it onto the shaft to make sure it clicks into place.

Figure 42. Install the pick roller



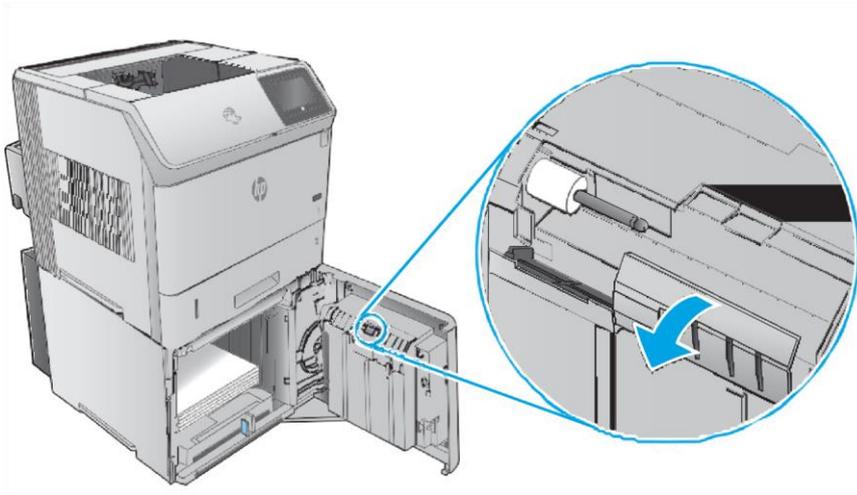
2. Inside the tray cavity, slide the upper feed roller onto the shaft. You might have to rotate the roller while sliding it onto the shaft to make sure it clicks into place.

Figure 43. Install the feed roller



3. Open the separation-roller cover.

Figure 44. Open the separation-roller cover



Removal and replacement: Fuser motor

- [Introduction](#)
- [Step 1: Remove the right cover](#)
- [Step 2: Remove the DC controller](#)
- [Step 3: Remove the formatter and formatter case](#)
- [Step 4: Remove the fuser motor](#)
- [Step 5: Unpack the replacement fuser motor](#)
- [Step 6: Install the fuser motor](#)
- [Step 7: Install the DC controller](#)
- [Step 8: Install the formatter and formatter case](#)
- [Step 9: Install the right cover](#)

Introduction

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

Before performing service turn the printer power off

Disconnect the power cable.

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

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

Fuser motor part number

RM1-8928-000CN	Fuser motor
-----------------------	-------------

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

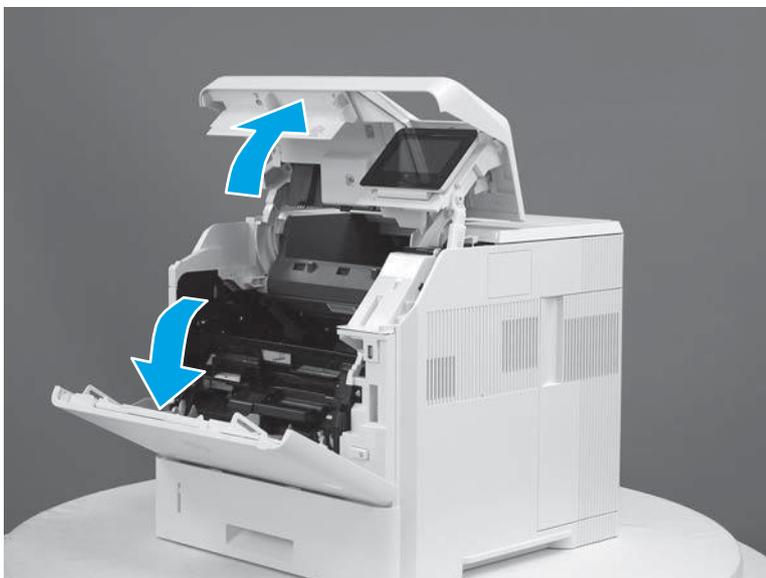
Make sure that the printer initializes to a **Ready** state.

Print a configuration page to make sure that the printer is functioning correctly.

Step 1: Remove the right cover

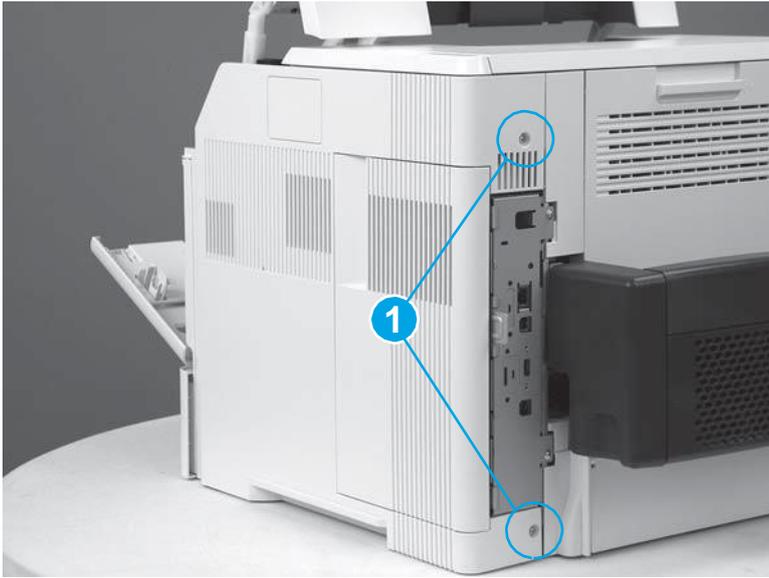
1. Open the front cover and the cartridge door.

Figure 45. Open the front cover and cartridge door



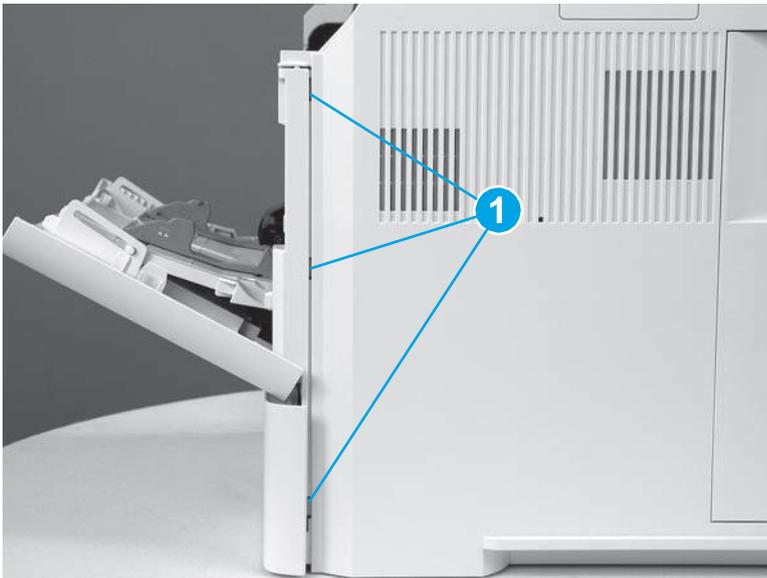
2. Remove two screws (callout 1).

Figure 46. Remove two screws



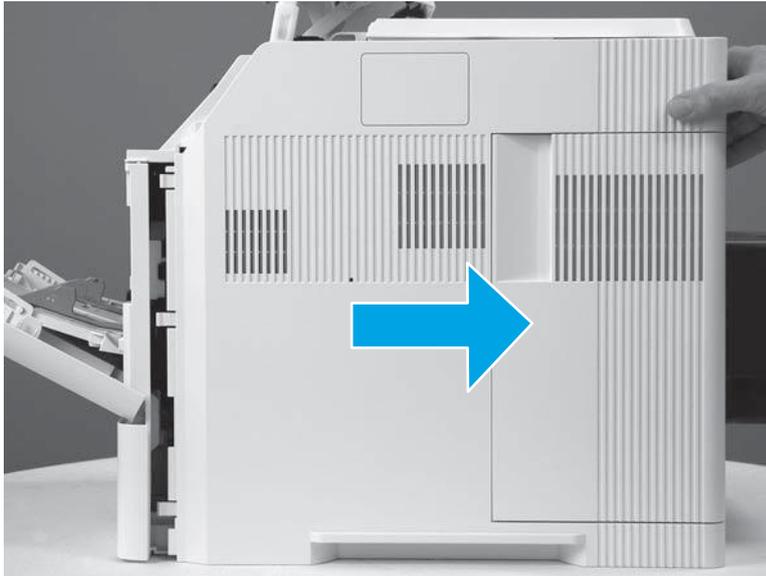
3. Release three tabs (callout 1).

Figure 47. Release three tabs



Slide the cover toward the rear of the printer to remove it.

Figure 48. Remove the cover



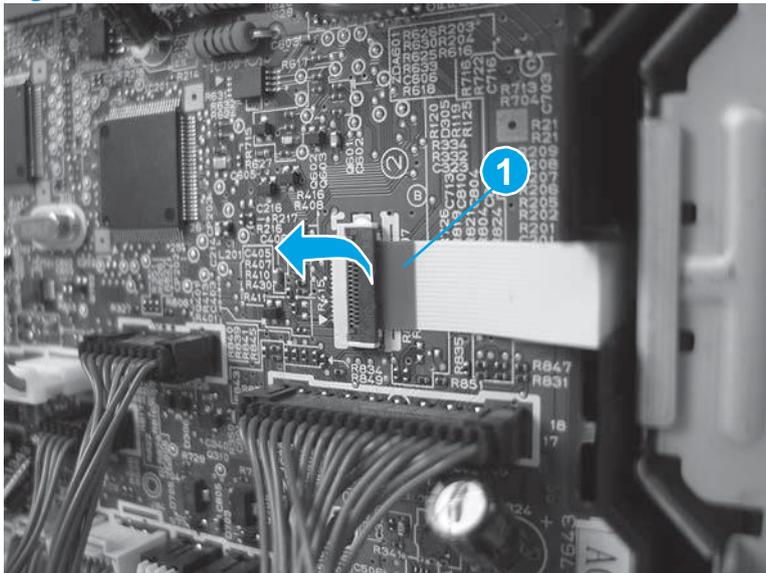
Step 2: Remove the DC controller

1. Locate the flat cable connector (callout 1) on the DC controller.



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

Figure 49. ZIF connector



2. Disconnect all of the connectors (callout 1) on the DC controller.

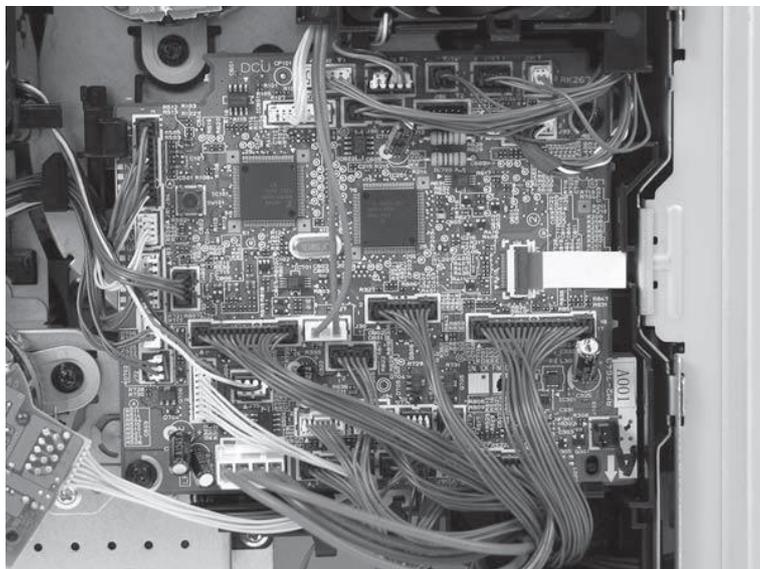
- 29 wire-harness connectors

4.

- 1 flat cable

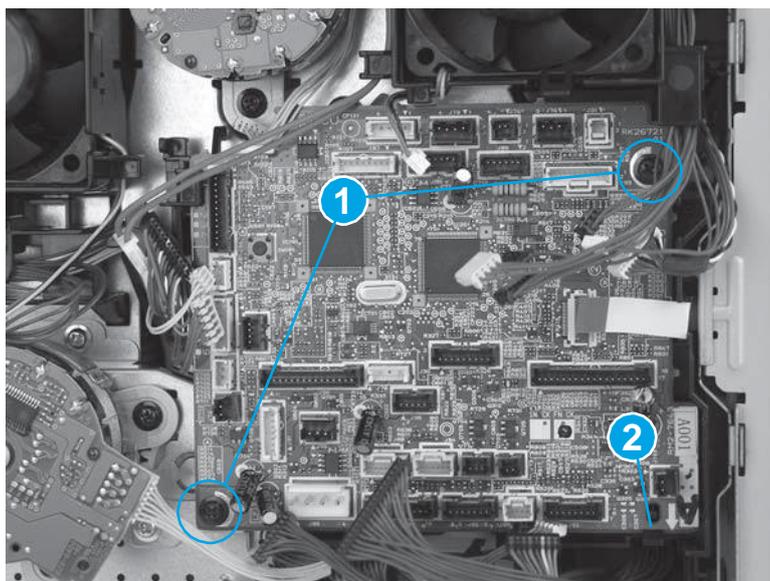
 **Reinstallation tip:** When the DC controller is reinstalled, connectors J80 and J100 are empty. **Figure**

50. Disconnect the connectors



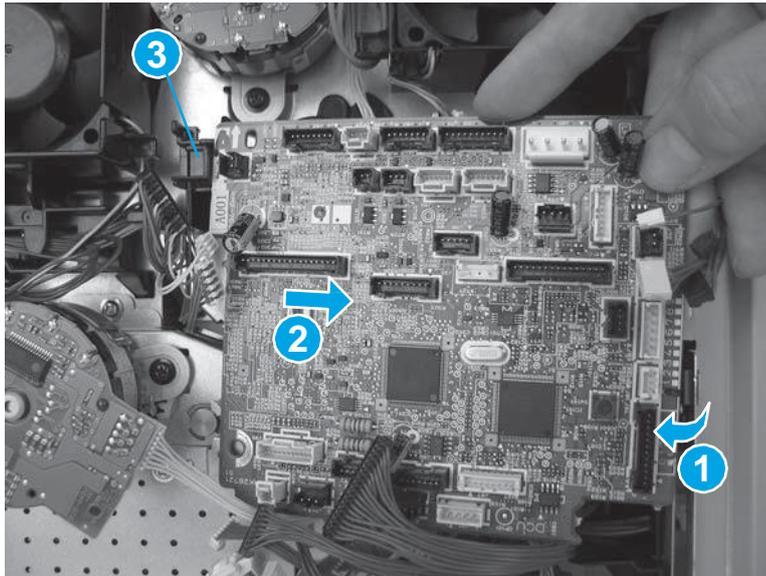
3. Remove two screws (callout 1), and then release one tab (callout 2).

Figure 51. Remove two screws and release one tab



Rotate the DC controller away from the printer (callout 1), slide the DC controller toward the rear of the printer (callout 2) to release one tab (callout 3), and then remove the DC controller.

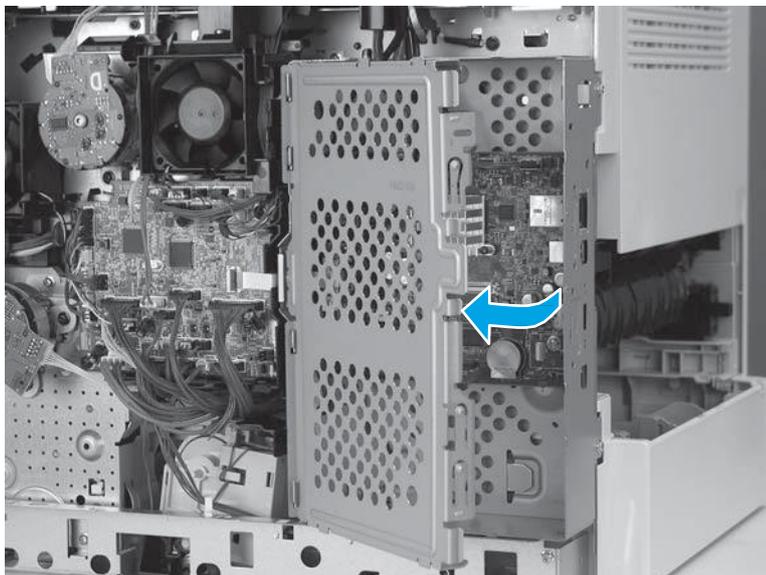
Figure 52. Remove the DC controller



Step 3: Remove the formatter and formatter case

1. Open the formatter case door.

Figure 53. Open the formatter case door

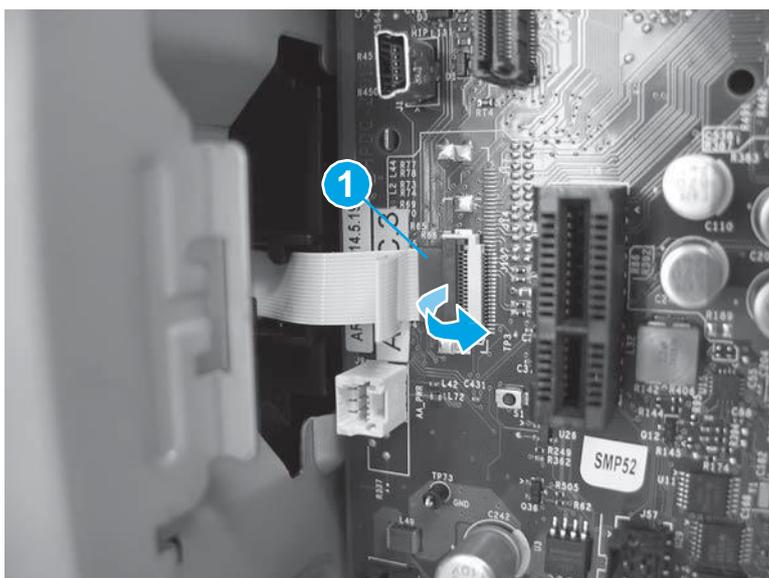


2. Locate the flat cable connector (callout 1) on the formatter.

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

Figure 54. ZIF connector

4.



3.

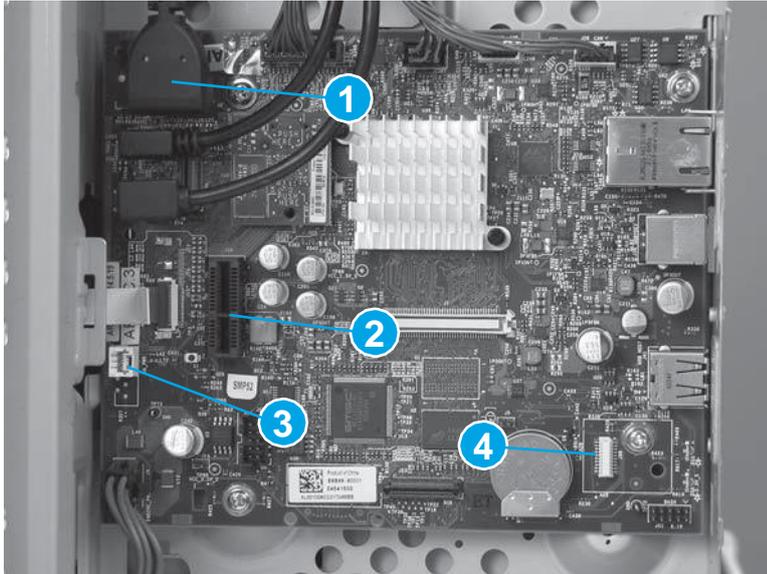
on the formatter.

Disconnect all of the connectors

The following connectors are empty:

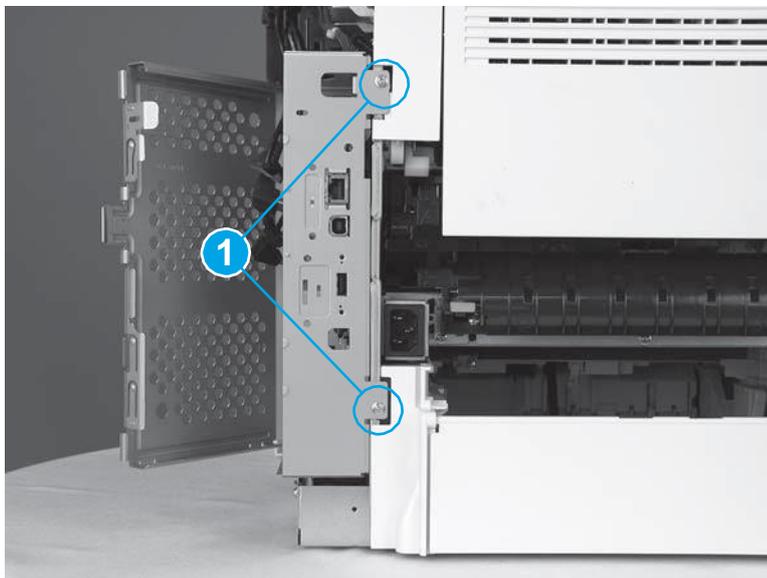
- J23, J25, J51, and J57
- J3 (callout 1): This connector is empty on the M604n/dn, M605n/dn, and M606dn models. It holds the touchscreen cable on the M605x and M606x models.
- J18 (callout 2): This connector is empty unless the optional hard-disk drive (HDD) is installed
- J9 (callout 3): This connector is empty unless the optional two internal USB ports accessory is installed.
- J98 (callout 4): This connector is empty unless the optional trusted platform module (TPM) is installed.

Figure 55. Disconnect all connectors



Remove two screws (callout 1).

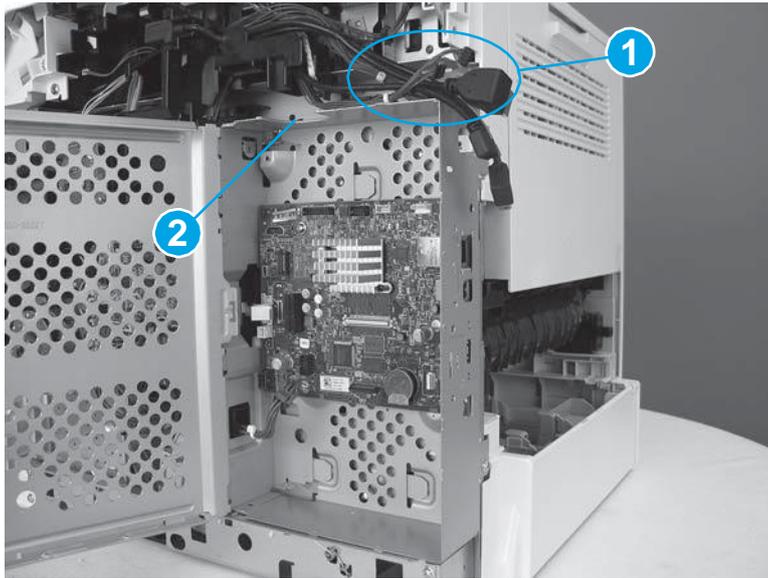
Figure 56. Remove two screws



5. Remove the wires and cables (callout 1) from the opening (callout 2) in the top of the formatter case.

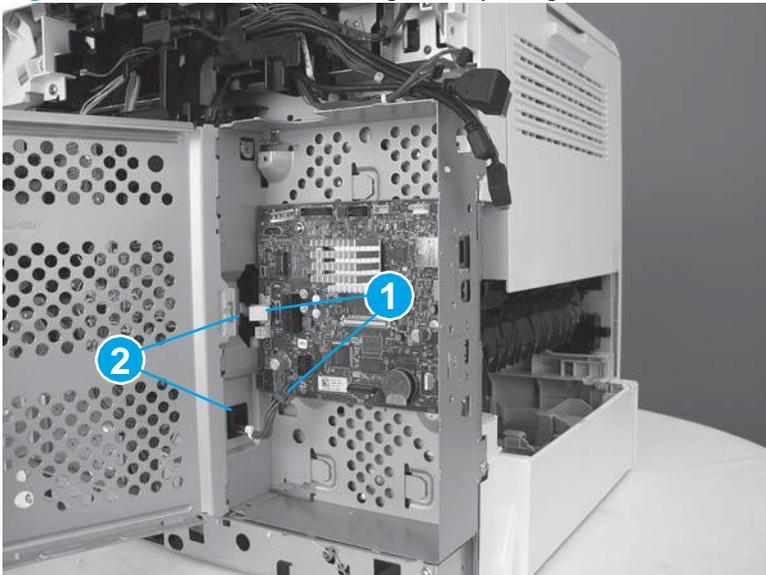
Figure 57. Remove the wires from the formatter case

4.



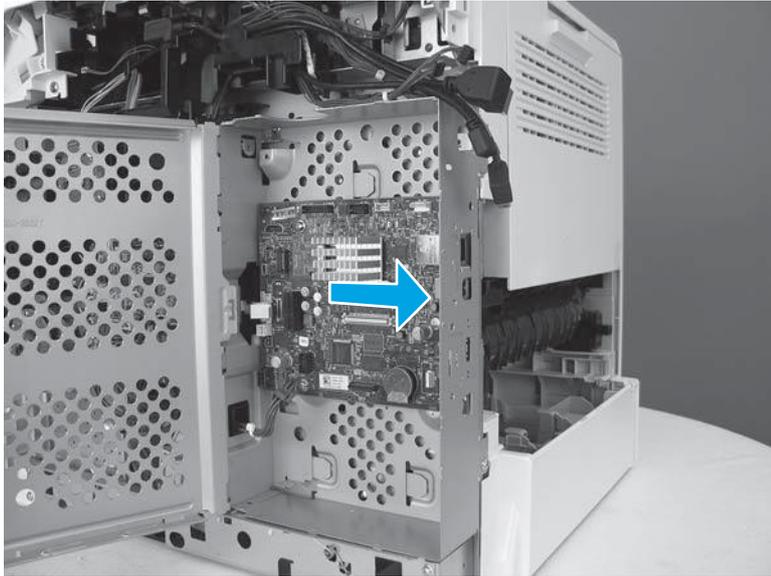
6. When removing the formatter case in the next step, make sure that the flat cable and wire harness (callout 1) slide through the openings (callout 2) in the formatter case.

Figure 58. Feed cables through the openings



7. Slide the formatter case toward the back of the printer to remove it.

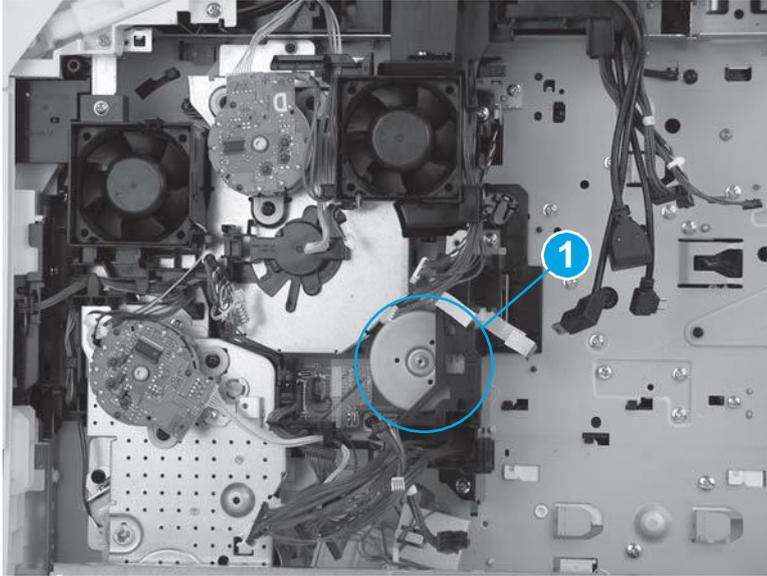
Figure 59. Remove formatter case



Step 4: Remove the fuser motor

1. Locate the fuser motor (callout 1).

Figure 60. Locate the fuser motor



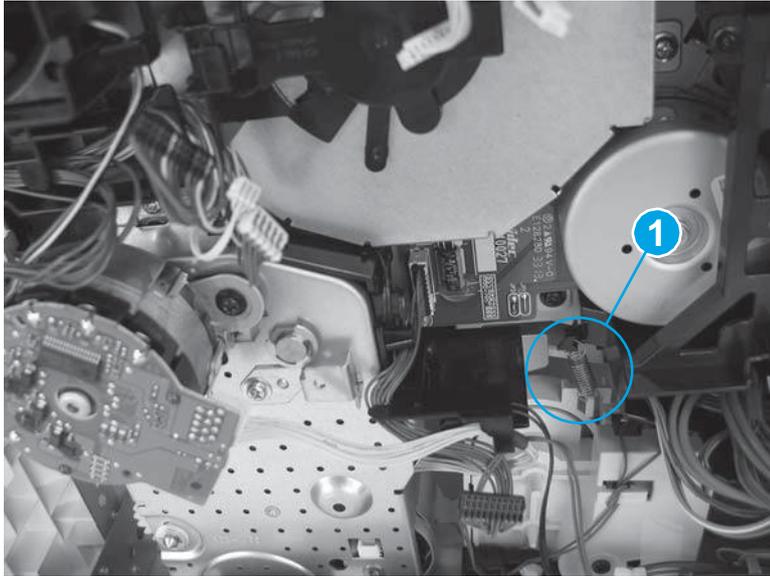
2. Release one spring (callout 1).

 **TIP:** Use hemostats (if available) to release the spring.

 **TIP:** Release the spring from the lower hook.

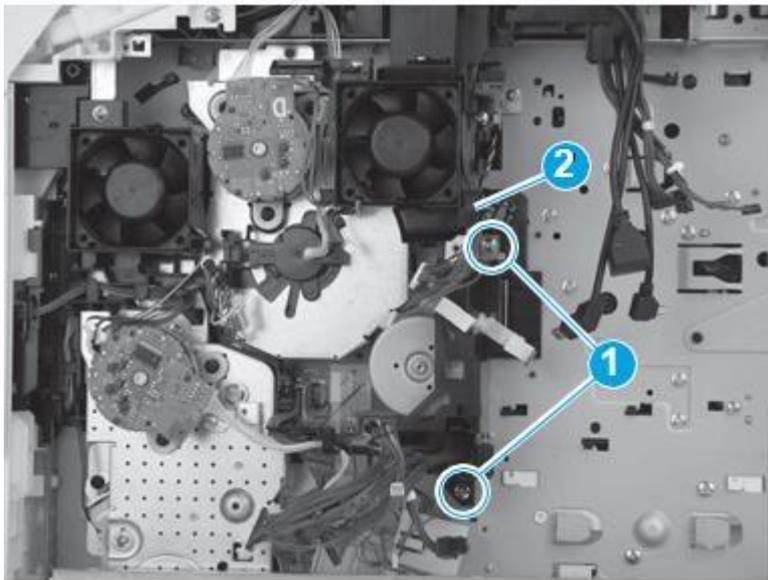
 **NOTE:** The spring is not captive. Do not lose the spring.

Figure 61. Release one spring



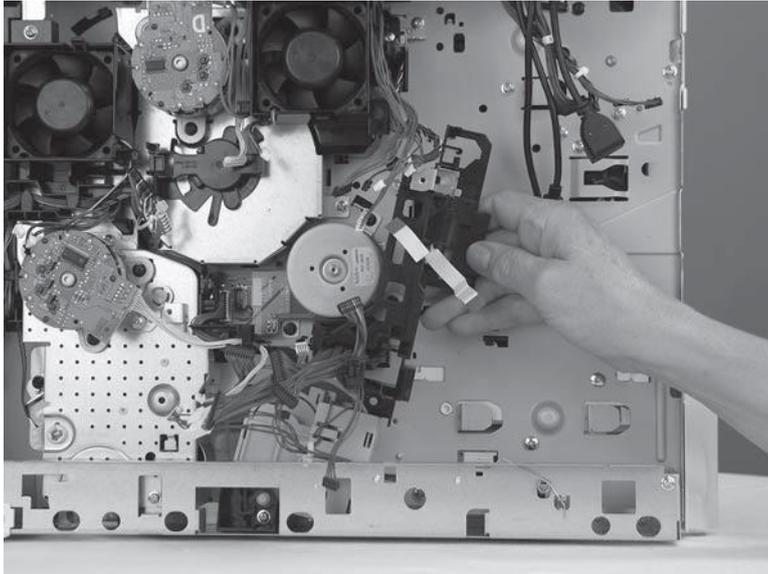
3. Remove two screws (callout 1), and then release the wire harness from the guide (callout 2). **Figure**

62. Remove two screws



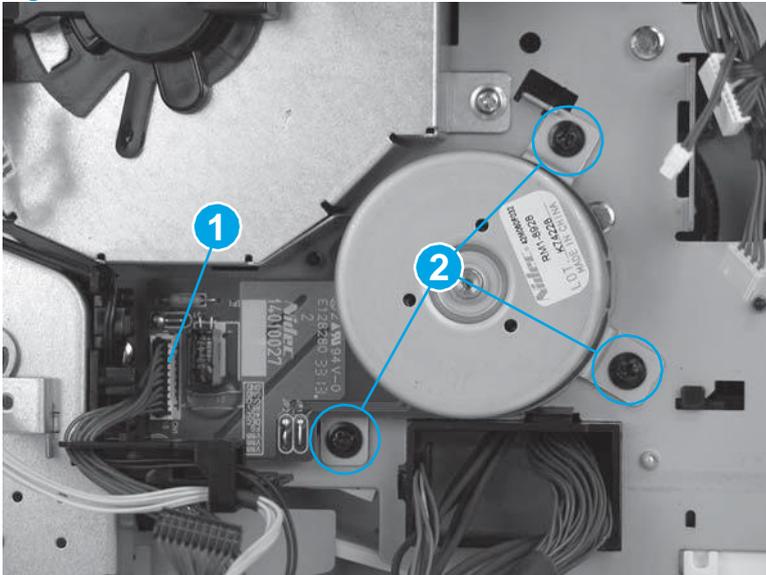
4. Remove the bracket.

Figure 63. Remove the bracket



5. Disconnect one connector (callout 1), remove three screws (callout 2), and then remove the fuser motor.

Figure 64. Remove the fuser motor



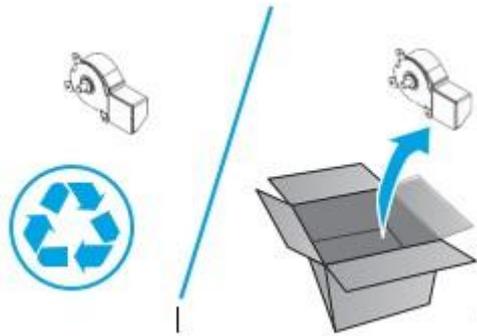
Step 5: Unpack the replacement fuser motor

Unpack the replacement part from the packaging. <http://www8.hp.com/us/en/hp-information/environment/product-recycling.html> **NOTE:** HP recommends responsible



disposal of the defective part.

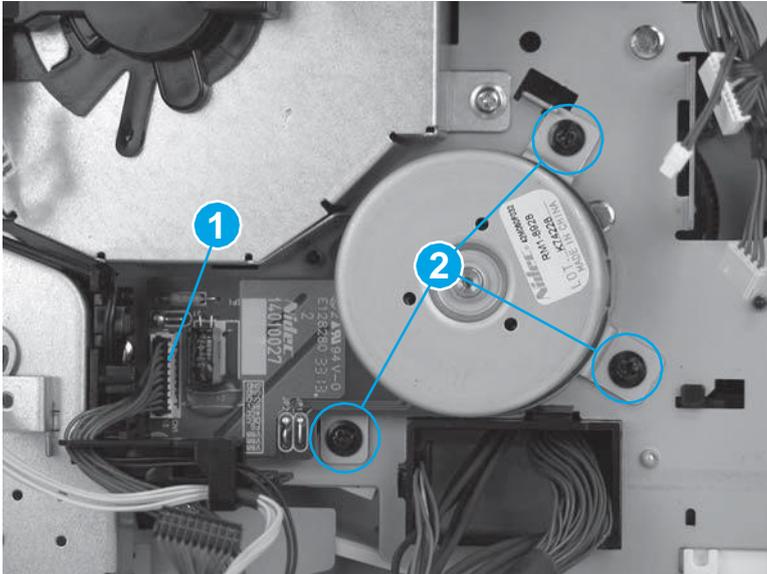
Figure 65. Recycle and unpack



Step 6: Install the fuser motor

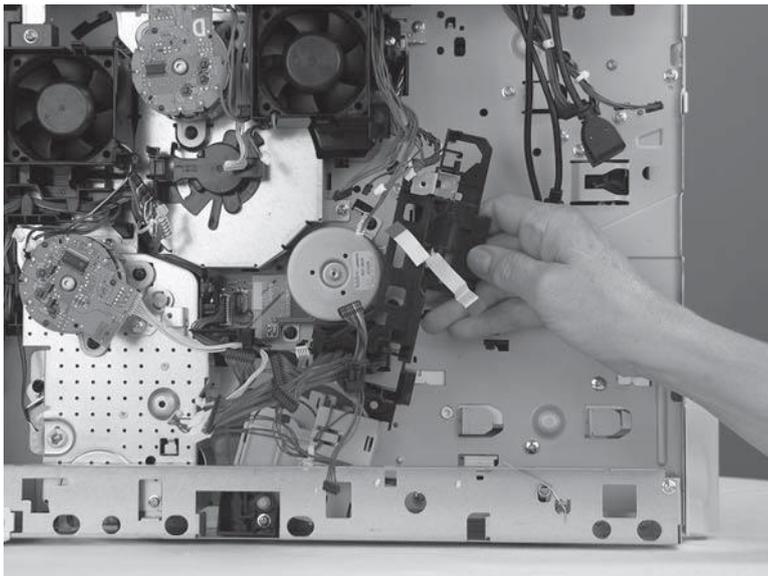
Position the fuser motor on the printer. Connect one connector (callout 1), and then install three screws (callout 2).

Figure 66. Install the fuser motor



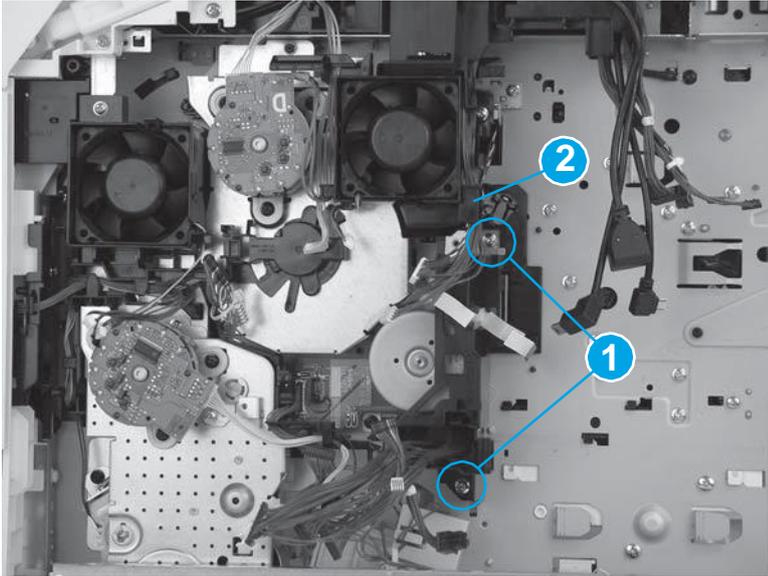
2. Position the bracket over the fuser motor.

Figure 67. Position the bracket



3. Install two screws (callout 1), and then install the wire harness in the guide (callout 2). **Figure 68.** Install two screws

1.

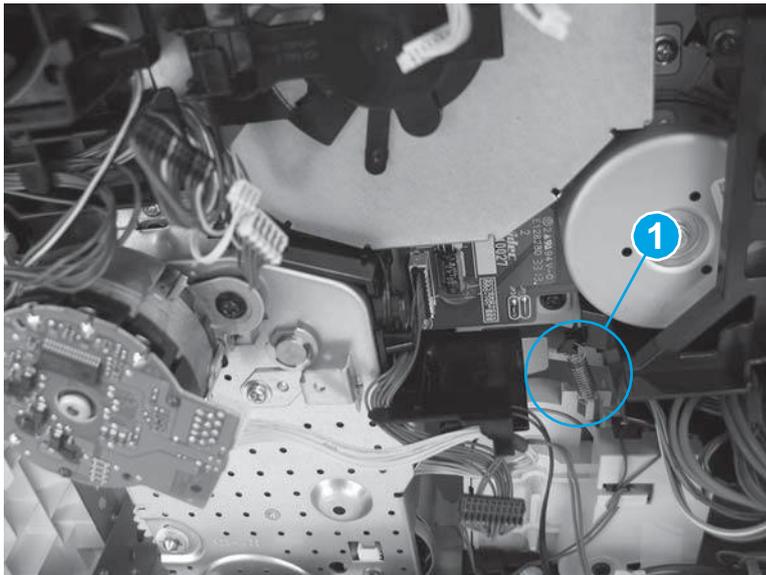


4. Attach one spring (callout 1).

 **TIP:** Use hemostats (if available) to attach the spring.

 **NOTE:** The spring is not captive. Do not lose the spring.

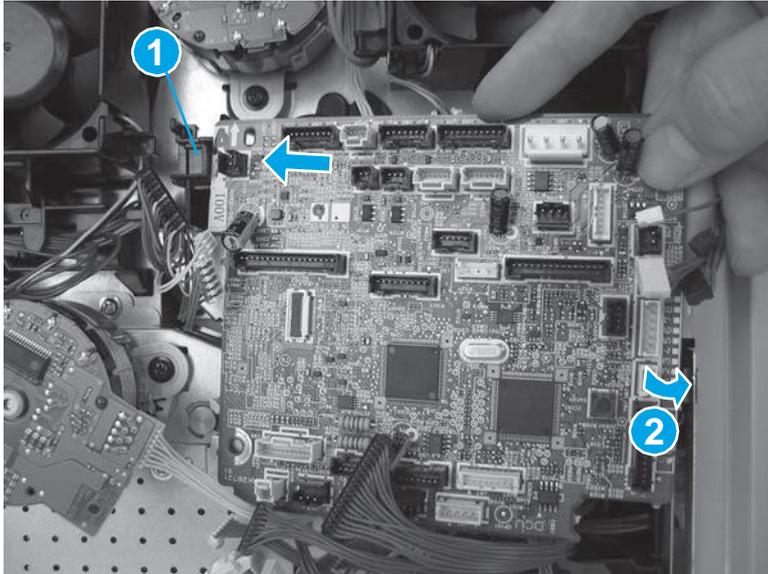
Figure 69. Attach one spring



Step 7: Install the DC controller

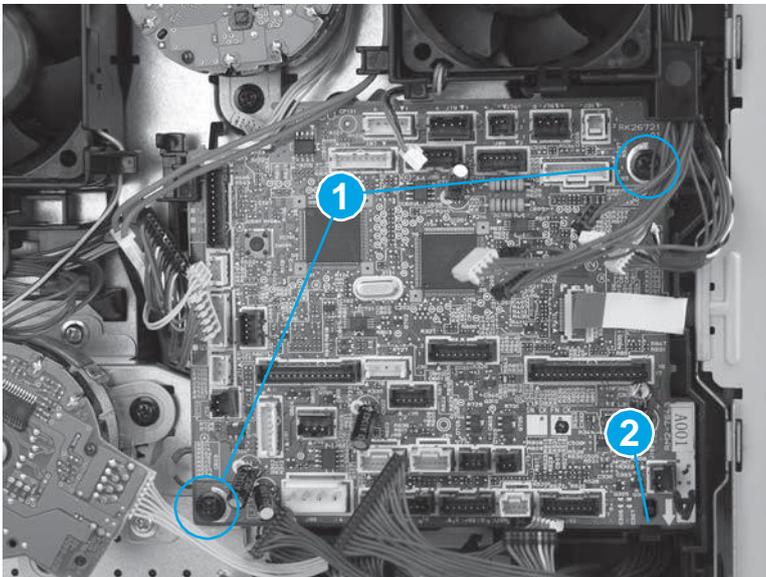
Position the DC controller under the tab (callout 1), and then rotate it (callout 2) toward the printer.

Figure 70. Position the DC controller on the printer



2. Install two screws (callout 1). Make sure that the tab (callout 2) is snapped into place.

Figure 71. Install two screws



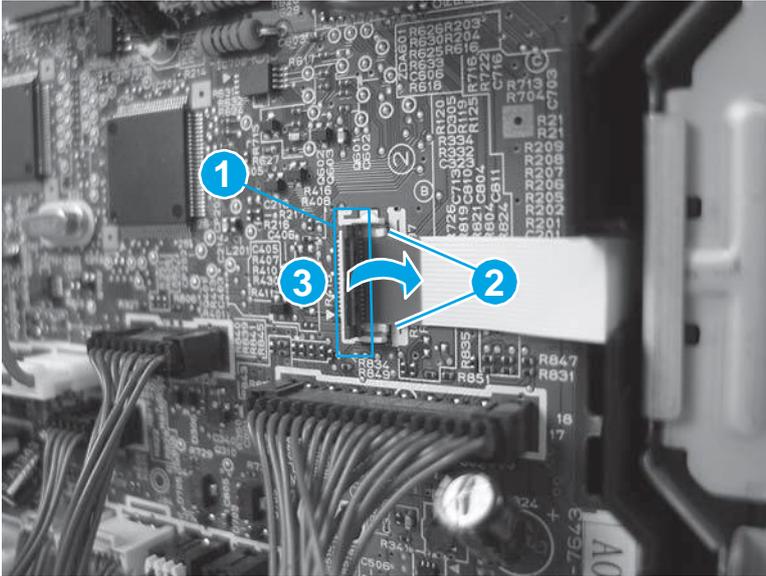
3. Locate the flat cable connector (callout 1) on the DC controller.



IMPORTANT: The flat cable connector is a Zero Insertion Force (ZIF) connector that uses a hinged retainer to secure a flat cable. When the flat cable is reinstalled, fully insert the flat cable in the connector between the two white pins (callout 2). Close the hinged retainer (callout 3) to lock the flat cable into the connector and provide proper electrical contact. If the flat cable is not locked into the connector, no electrical contact will occur.

Figure 72. ZIF connector

1.



4. controller.

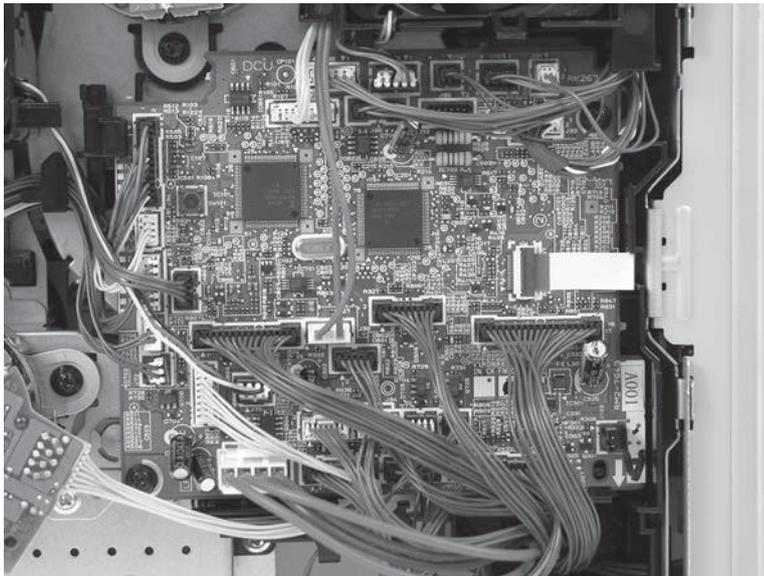
Connect all of the connectors on the DC

- 29 wire-harness connectors
- 1 flat cable



Reinstallation tip: Connectors J80 and J100 are empty.

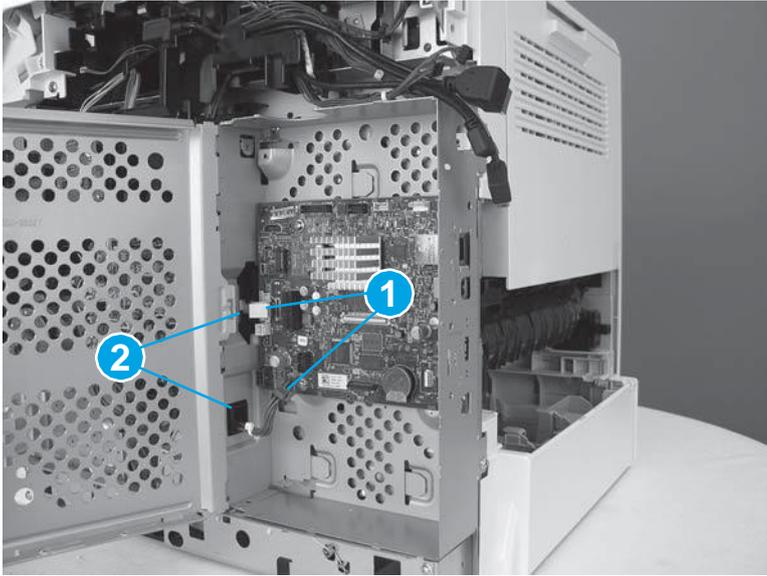
Figure 73. Connect the connectors



Step 8: Install the formatter and formatter case

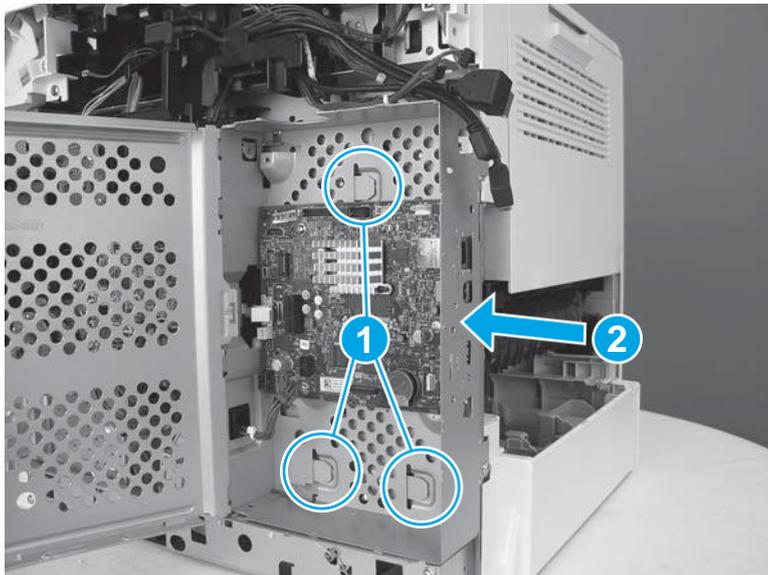
Position the formatter case on the printer. Make sure that the flat cable and wire harness (callout 1) are positioned through the openings (callout 2) in the formatter case.

Figure 74. Position the formatter case



2. Make sure that the metal tabs on the printer are positioned into the slots on the formatter case (callout 1), and then slide the formatter case toward the front of the printer (callout 2) to install it.

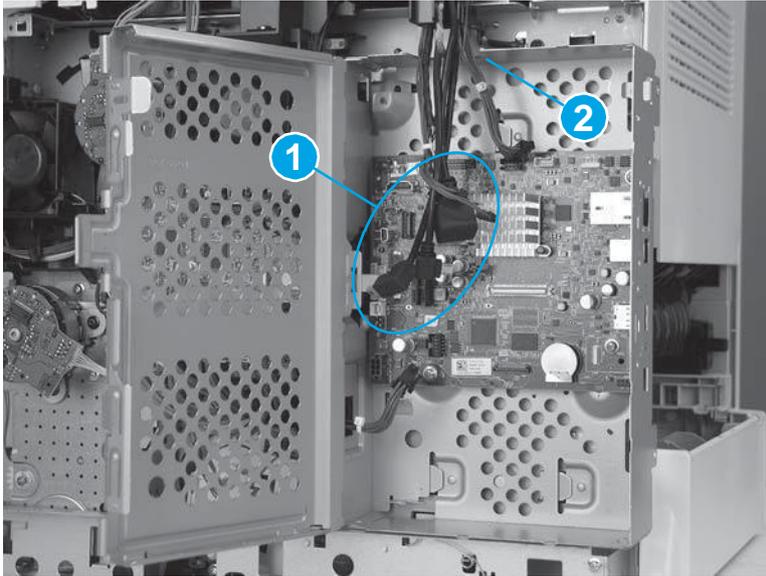
Figure 75. Install the formatter case



3. Position the wires and cables (callout 1) in the opening (callout 2) in the top of the formatter case.

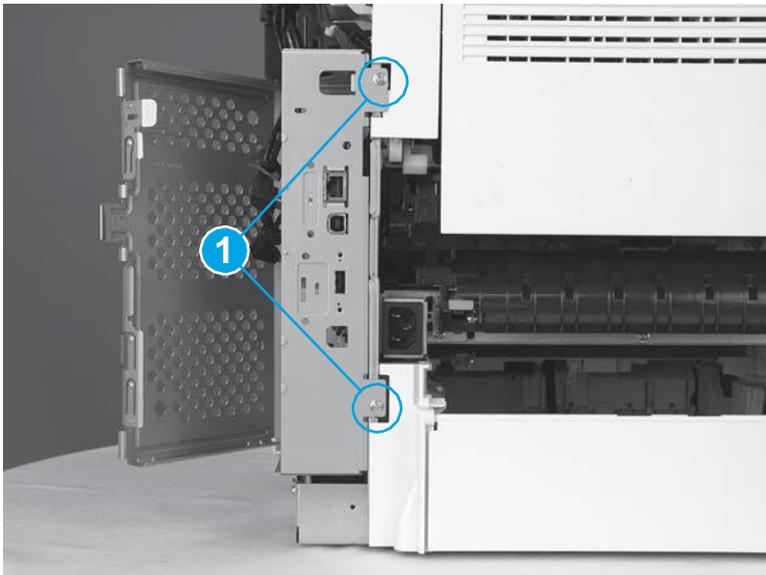
Figure 76. Position the wires in the formatter case

1.



4. Install two screws (callout 1).

Figure 77. Install two screws

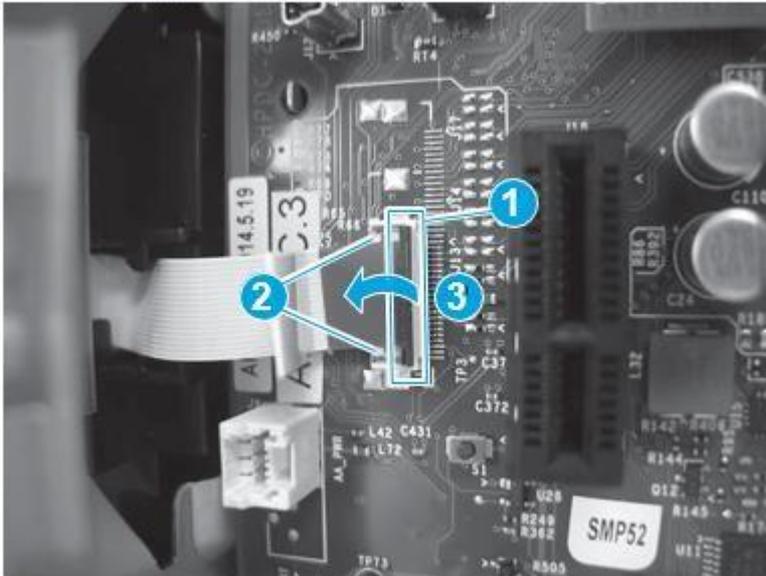


5. Locate the flat cable connector (callout 1) on the formatter.



IMPORTANT: The flat cable connector is a Zero Insertion Force (ZIF) connector that uses a hinged retainer to secure a flat cable. When the flat cable is reinstalled, fully insert the flat cable in the connector between the two white pins (callout 2). Close the hinged retainer (callout 3) to lock the flat cable into the connector and provide proper electrical contact. If the flat cable is not locked into the connector, no electrical contact will occur.

Figure 78. ZIF connector

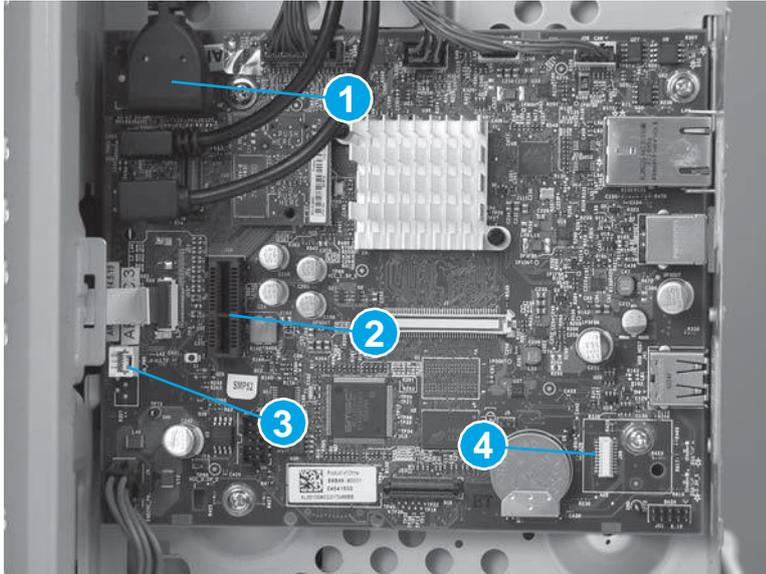


6. Connect all of the connectors on the formatter.

The following connectors are empty:

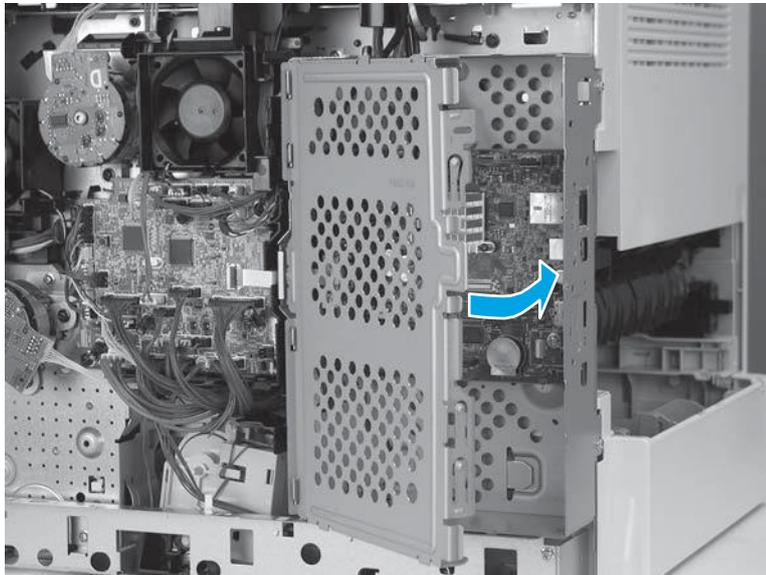
- J23, J25, J51, and J57
- J3 (callout 1): This connector is empty on the M604n/dn, M605n/dn, and M606dn models. It holds the touchscreen cable on the M605x and M606x models.
- J18 (callout 2): This connector is empty unless the optional hard-disk-drive (HDD) is installed.
- J9 (callout 3): This connector is empty unless the optional two internal USB ports accessory is installed.
- J98 (callout 4): This connector is empty unless the optional trusted platform module (TPM) is installed. **Figure 79.**

Connect all connectors



7. Close the formatter case door.

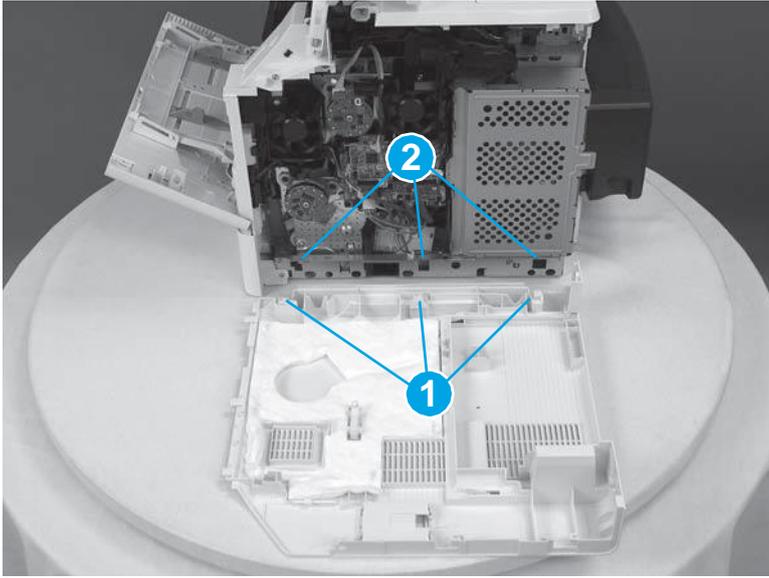
Figure 80. Close the formatter case door



Step 9: Install the right cover

1. Note the location of the tabs (callout 1) on the cover that will fit into the slots (callout 2) on the printer.

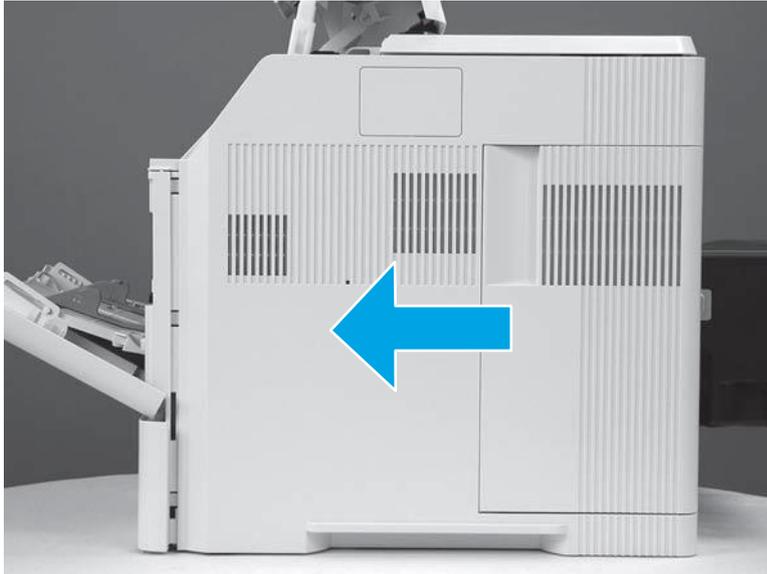
Figure 81. Note location of tabs



2. Position the front tabs on the right cover slightly behind the right front cover (callout 1), and then rotate the back edge of the cover toward the printer (callout 2).

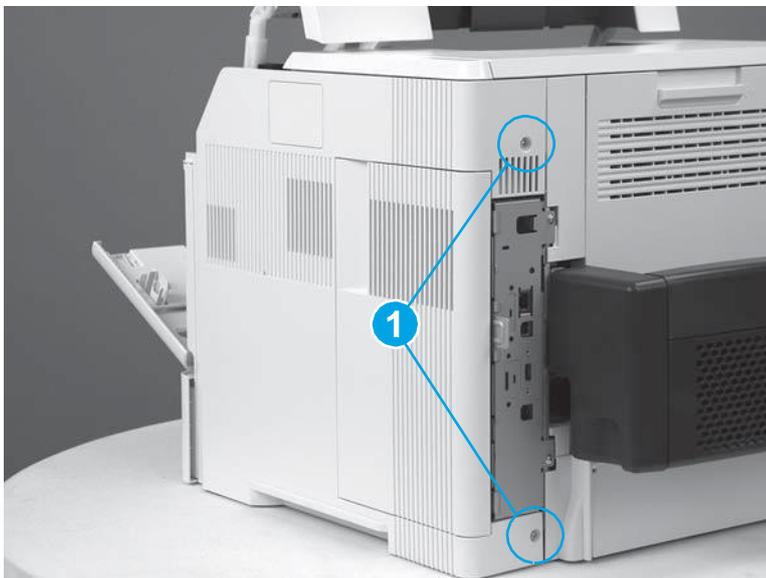


NOTE: The tabs and slots mentioned in the previous step will engage as the cover is rotated into place.



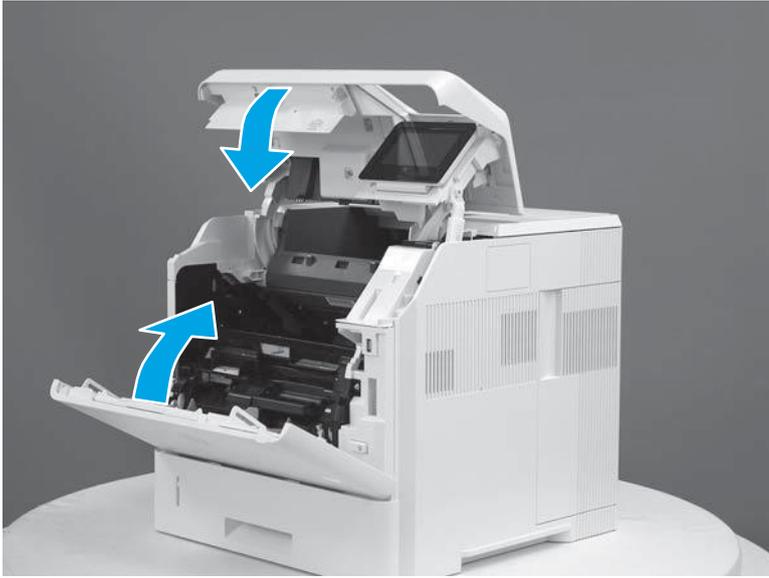
4. Install two screws (callout 1).

Figure 84. Install two screws



5. Close the front cover and the cartridge door.

Figure 85. Close the front cover and cartridge door



Removal and replacement: Trays 2-6

- [Introduction](#)
- [Step 1: Remove the tray](#)
- [Step 2: Unpack the replacement tray](#)
- [Step 3: Install the tray](#)

Introduction

This document provides the procedures to remove and replace Trays 2-6.

Before performing service turn the printer power off

- Disconnect the power cable.

⚠ WARNING! To avoid damage to the printer, turn the printer off, wait 30 seconds, and then remove the power cord 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.

Trays 2-5 part numbers

RM2-6296-000CN Cassette (Tray 2 only)

RM2-6275-000CN Cassette (500-sheet feeder)

Required tools

- No special tools are required to install this part.

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.

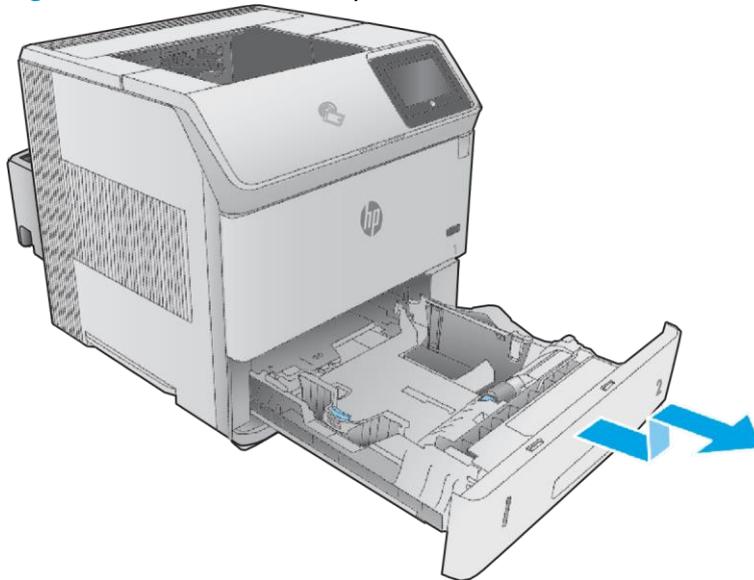
Print a configuration page to make sure that the printer is functioning correctly.

Step 1: Remove the tray

 **NOTE:** The procedure to replace the tray for Trays 3-5 is the same as for Tray 2. Only Tray 2 is shown here.

- Pull the tray out, slightly lift up, and then pull it completely out of the printer to remove it.

Figure 86. Remove the tray



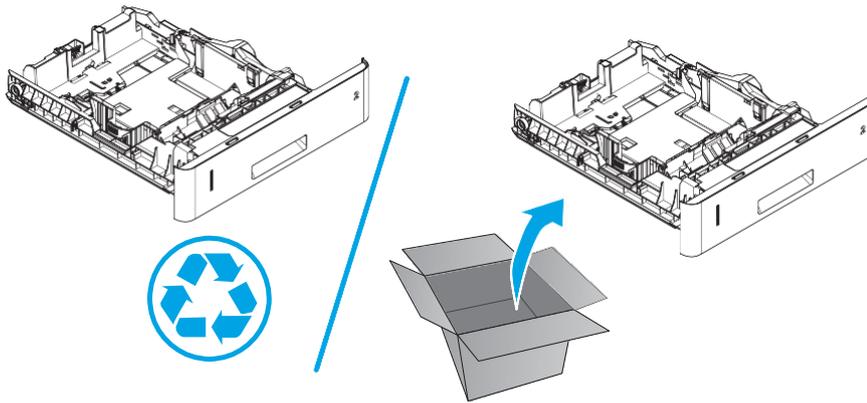
Step 2: Unpack the replacement tray

Unpack the replacement part from the packaging. <http://www8.hp.com/us/en/hp->

[information/environment/product-recycling.html](http://www8.hp.com/us/en/hp-information/environment/product-recycling.html) **NOTE:** HP recommends responsible

 disposal of the defective part.

Figure 87. Recycle and unpack



Step 3: Install the tray

- Lift the tray up slightly and install the back edge of the tray into the tray cavity. Lower the tray, and then slide it into the printer.

Figure 88. Install the tray

