## Removal and replacement: Fuser


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### Introduction

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

### Before you begin

- Turn off the printer.
- 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 kit part numbers | |
|---|---|
| **RM2-5582-000CN** | Fuser (220 V, simplex) with instruction guide |
| **RM2-5583-000CN** | Fuser (110 V, duplex) with instruction guide |
| **RM2-5584-000CN** | Fuser (220 V, duplex) with instruction guide |

### Required tools

- #2 Phillips screwdriver with a magnetic tip

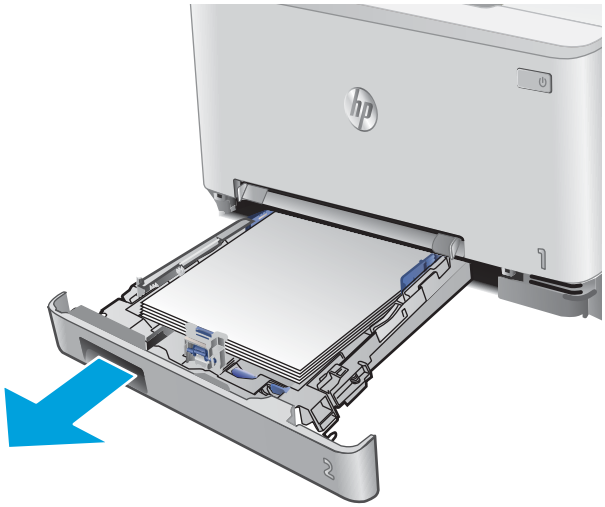
### After performing service

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

### Step 1: Remove Tray 2

▲ Using the handle on the face of Tray 2, pull the tray completely out of the printer.

**Figure 1-641** Remove Tray 2



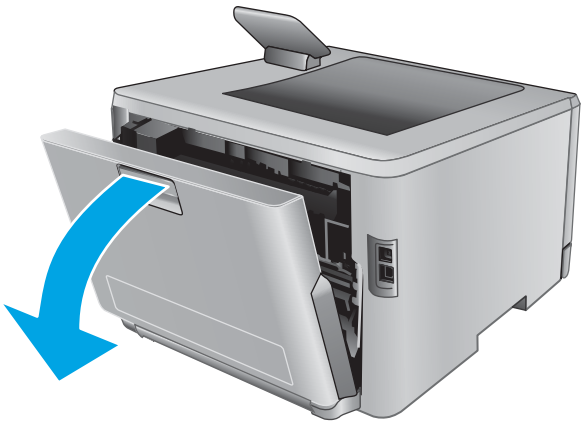
### Step 2: Open the front door and rear door or duplexer door

1. Open the front door.

**Figure 1-642** Open the front door and rear door or duplexer door (1 of 2)

2. Use the latch release to open the rear door (simplex models) or duplexer door (duplex models).

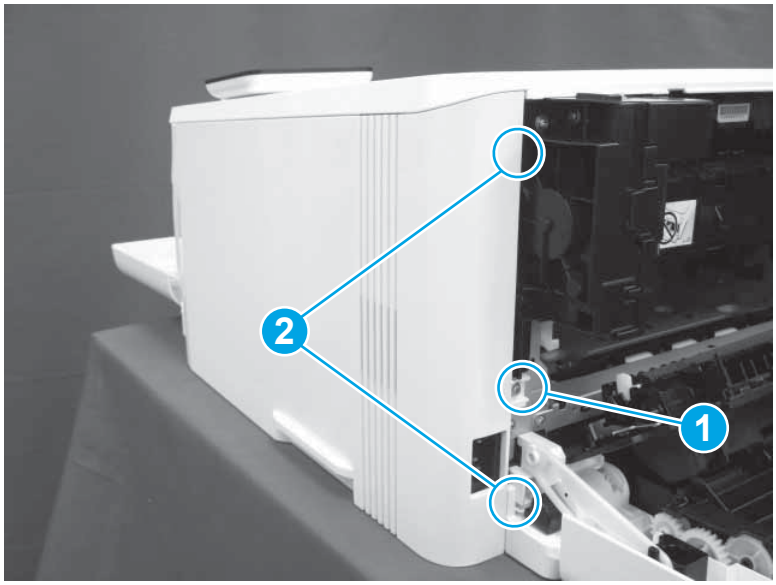
**Figure 1-643** Open the front door and rear door or duplexer door (2 of 2)



### Step 3: Remove the right cover

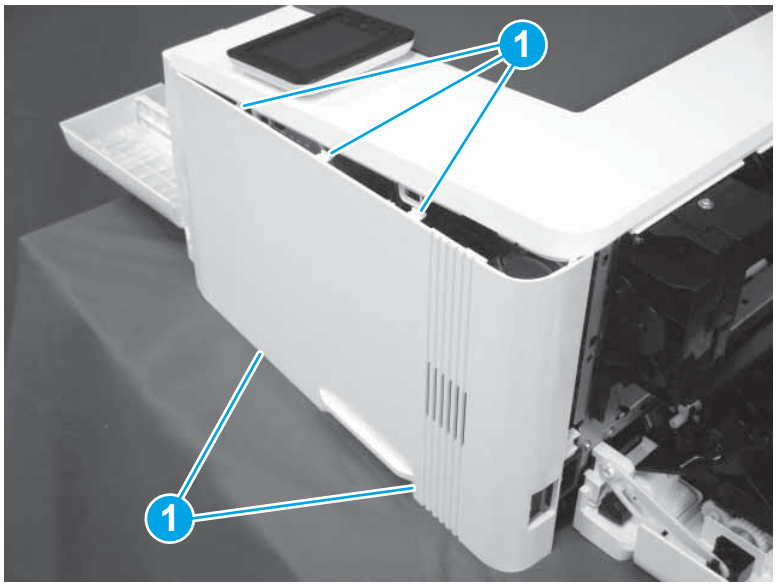
1. At the rear of the printer, remove one screw (callout 1), and then release two tabs (callout 2).

**Figure 1-644** Remove the right cover (1 of 3)



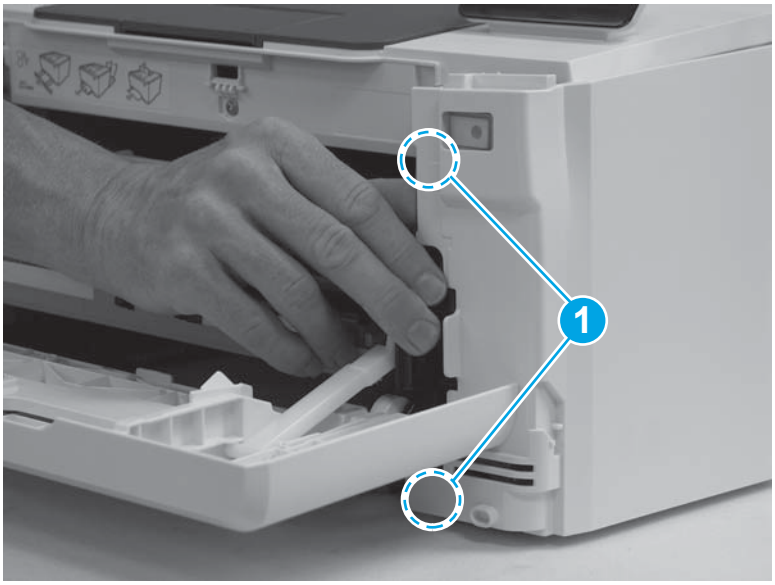

2. Release five tabs (callout 1) along the top and bottom of the cover. Releasing the top tabs first can ease this task.

**Figure 1-645** Remove the right cover (2 of 3)



3. At the front of the printer, release two tabs (callout 1), and then remove the cover from the printer.

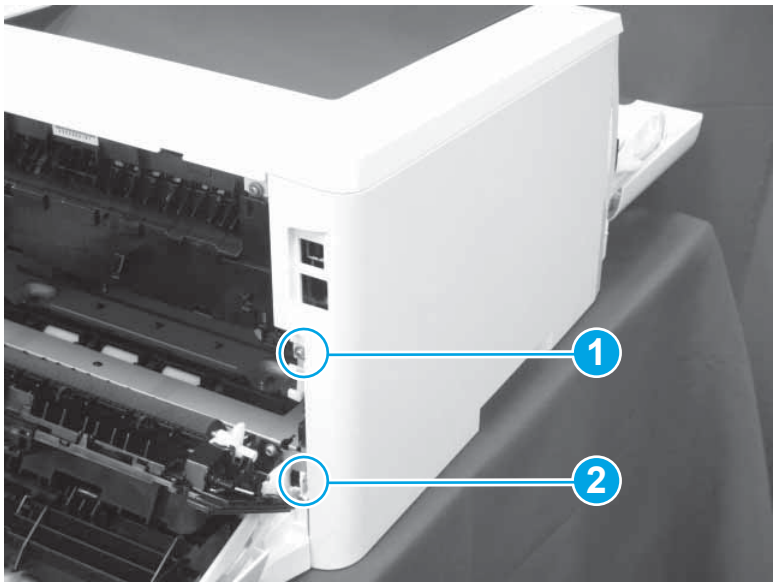
**Figure 1-646** Remove the right cover (3 of 3)




### Step 4: Remove the left cover

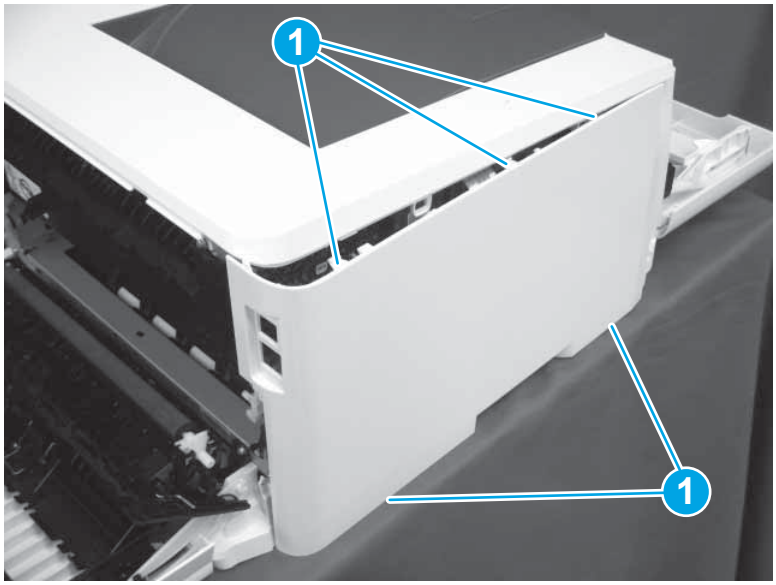
1. At the rear of the printer, remove one screw (callout 1), and then release one tab (callout 2).

**Figure 1-647** Remove the left cover (1 of 3)



2. Starting at the top edge, release five tabs (callout 1)

**Figure 1-648** Remove the left cover (2 of 3)



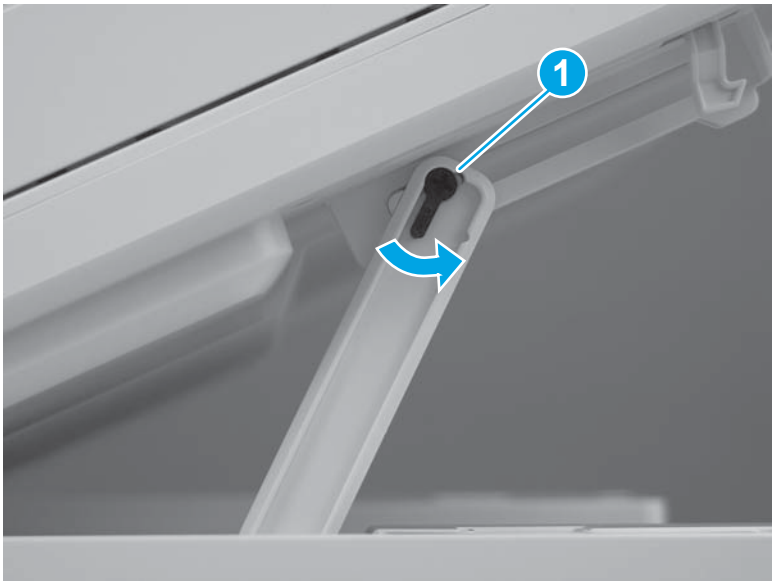

3. Move the printer so that the left cover is over the edge of the work surface. Pull the top of the cover down at approximately 45-degree angle to remove it.

**Figure 1-649** Remove the left cover (3 of 3)

### Step 5: Remove the scanner (M274, M277 models)

1. With the scanner lid lifted, release the tab on the scanner support arm from the slot and rotate the support arm in the direction indicated, and then remove the pin (callout 1).

**Figure 1-650** Remove the M274, M277 scanner (1 of 4)

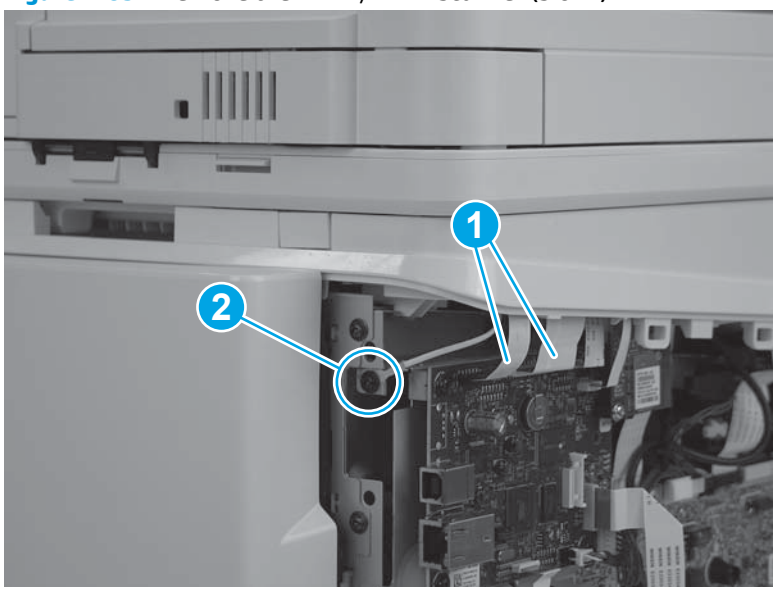



2. On the scanner bed, use a flat-blade screwdriver to remove the scanner cable cover.

**Figure 1-651** Remove the M274, M277 scanner (2 of 4)

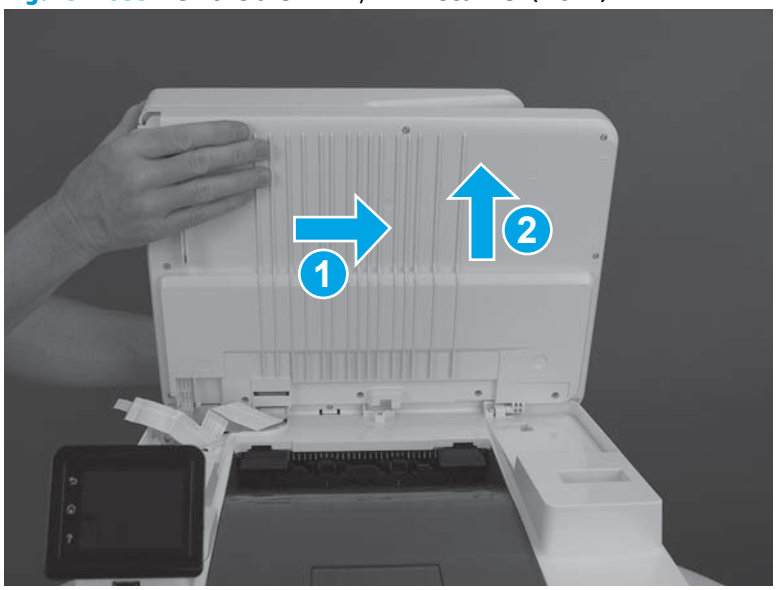
3. On the left side of the printer, disconnect two connectors (callout 1) and remove one screw (callout 2).

**Figure 1-652** Remove the M274, M277 scanner (3 of 4)




4. Open the scanner assembly fully, slide the assembly in the direction indicated, and then lift the assembly off of the chassis.

**Figure 1-653** Remove the M274, M277 scanner (4 of 4)

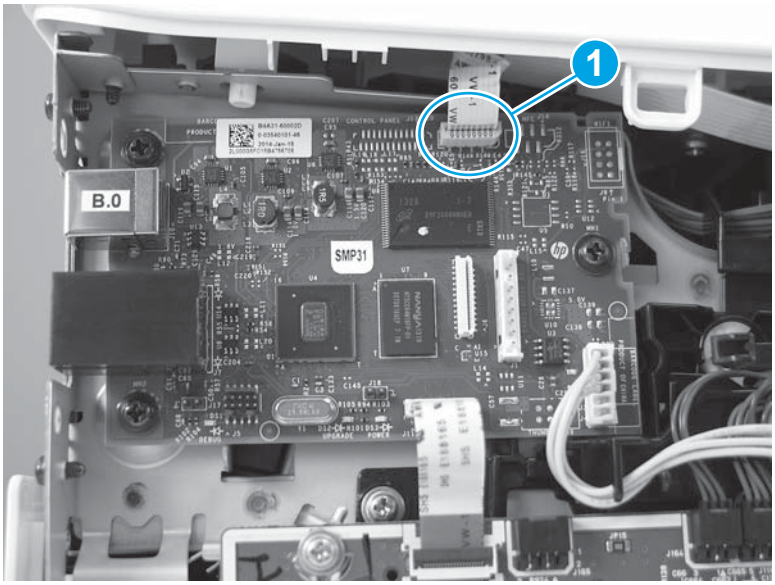



### Step 6: Remove the top cover

#### Remove the M252n top cover

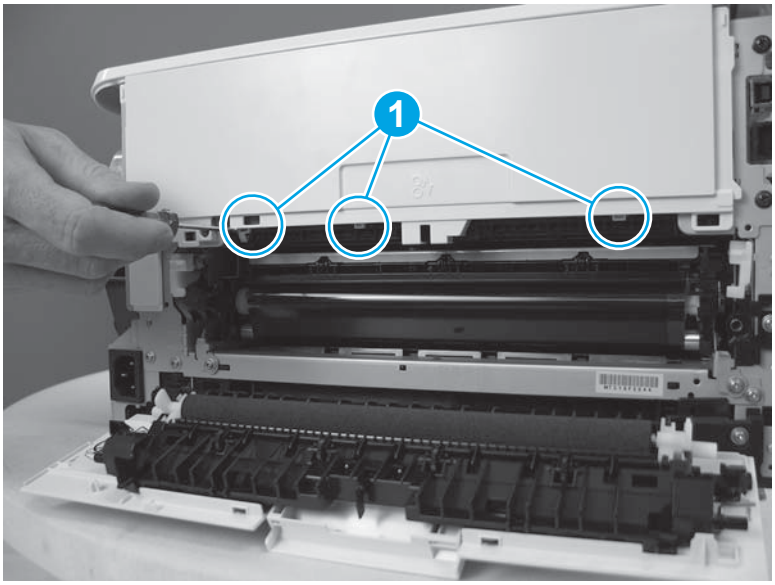
1. On the left side of the printer, on the formatter, disconnect one connector (callout 1).

**Figure 1-654** Remove the M252n top cover (1 of 4)



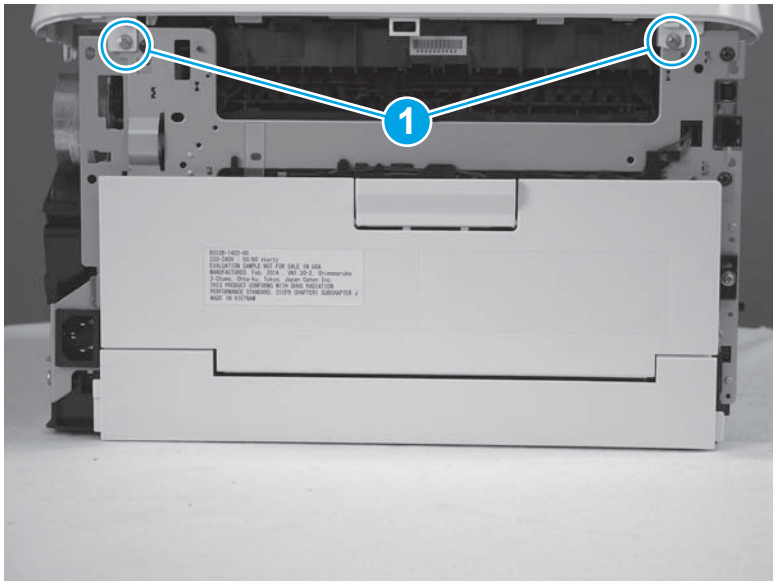

2. On the rear side of the printer, open the rear door, and then remove the upper rear cover by releasing three tabs (callout 1) with a flat-blade screwdriver.

**Figure 1-655** Remove the M252n top cover (2 of 4)



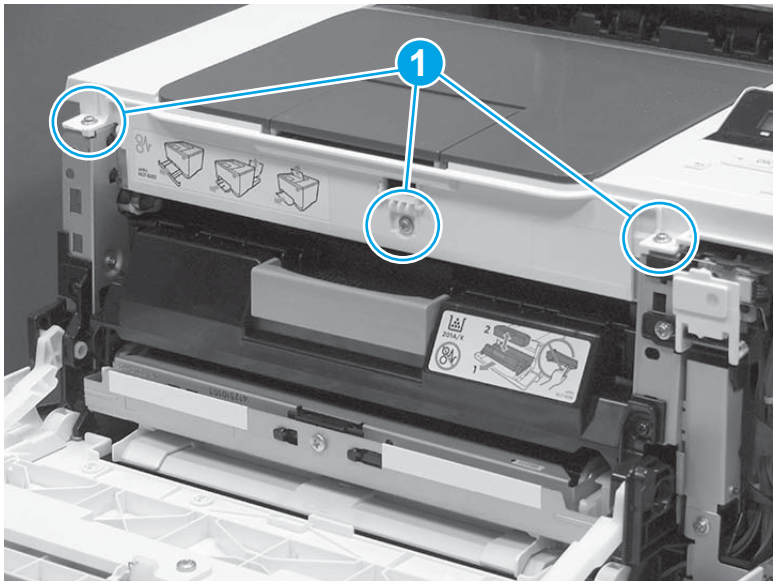
3. Remove two screws (callout 1).

**Figure 1-656** Remove the M252n top cover (3 of 4)




4. At the front of the printer, remove three screws (callout 1), and then lift the cover away from the printer.

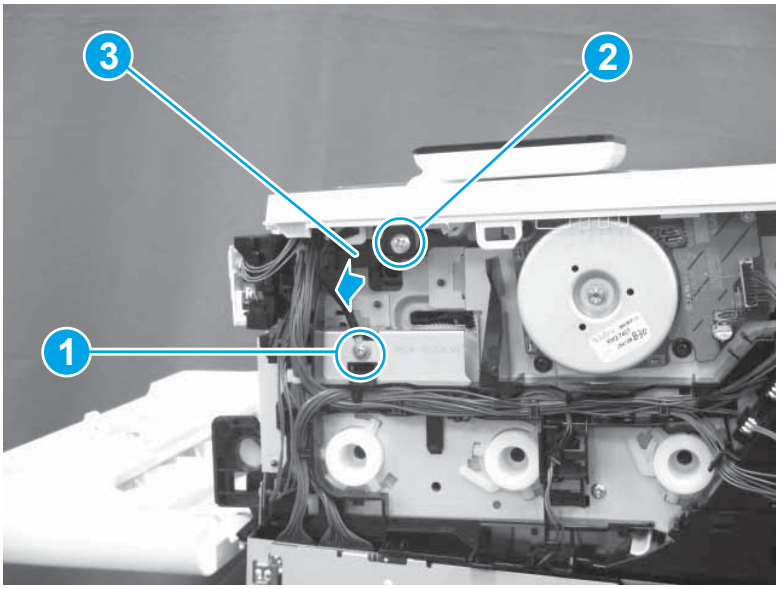
**Figure 1-657** Remove the M252n top cover (4 of 4)




## Remove the M252dw top cover

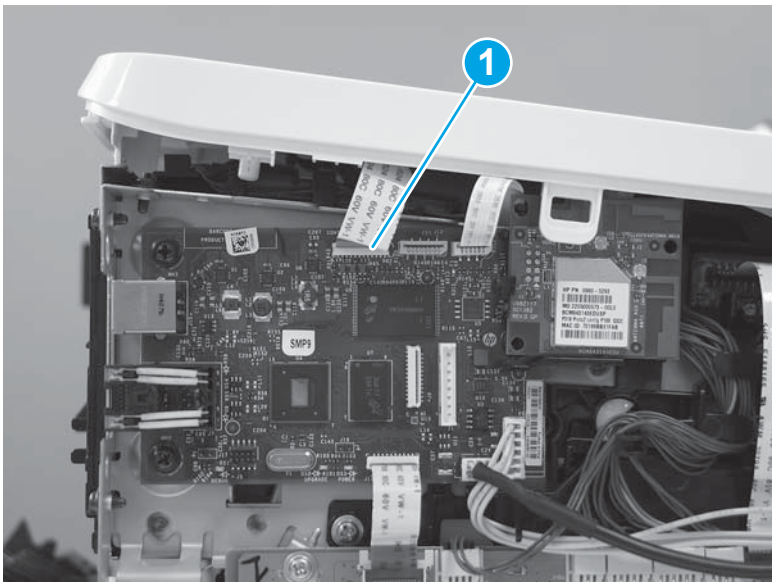
1. On the right side of the printer, remove one screw (callout 1), remove one larger M4 tapping screw (callout 2), and pull the plastic guide (callout 3) away from the printer to separate it from the chassis.

**Figure 1-658** Remove the M252dw top cover (1 of 3)



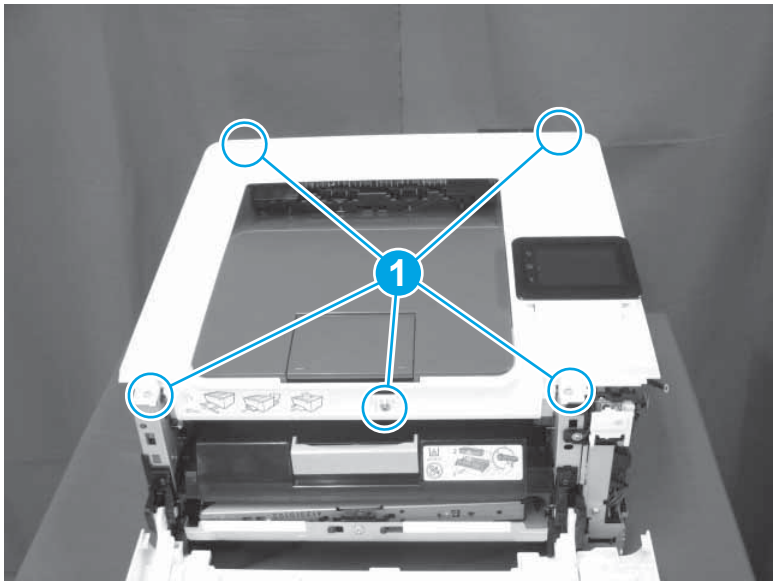

2. On the left side of the printer, on the formatter PCA, disconnect one flat cable (callout 1).

**Figure 1-659** Remove the M252dw top cover (2 of 3)



3. Remove five screws (callout 1) — three screws at the front and two screws at the rear — and then remove the cover.

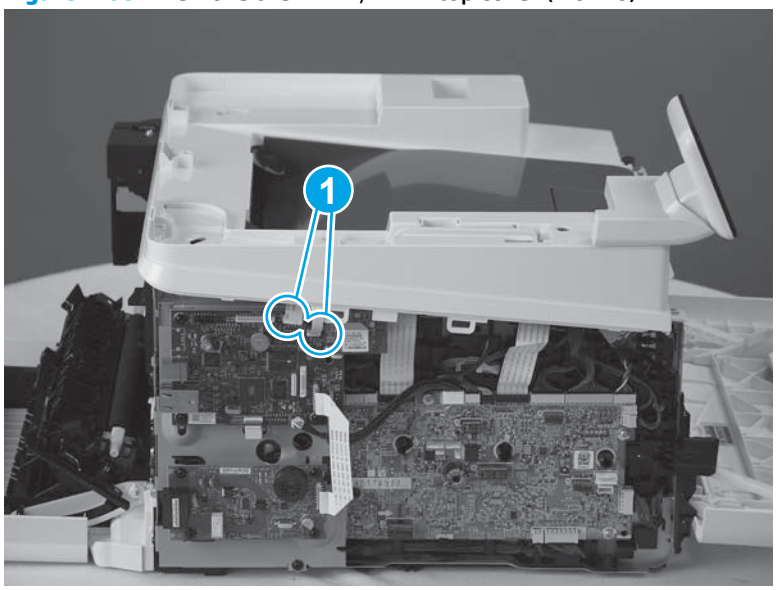
**Figure 1-660** Remove the M252dw top cover (3 of 3)




## Remove the M274, M277 top cover

1. On the left side of the printer, on the formatter PCA, disconnect two connectors (callout 1).

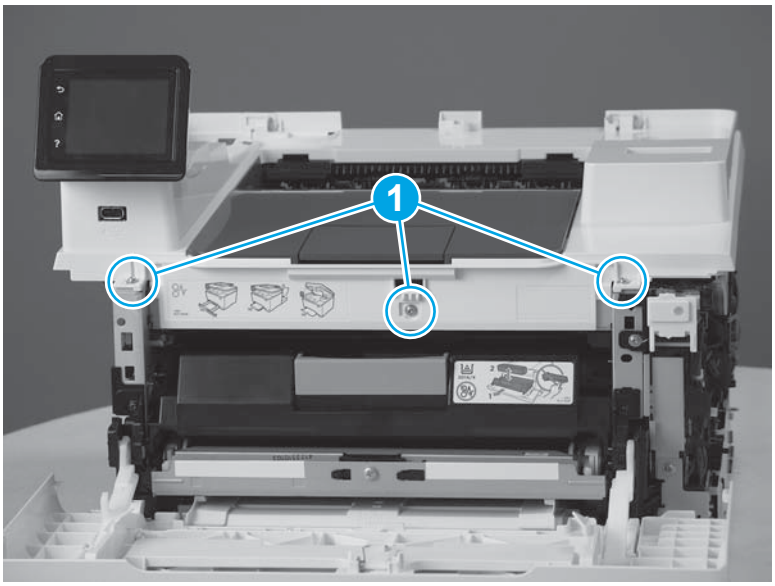
**Figure 1-661** Remove the M274, M277 top cover (1 of 10)



2. At the front of the printer, remove three screws (callout 1).

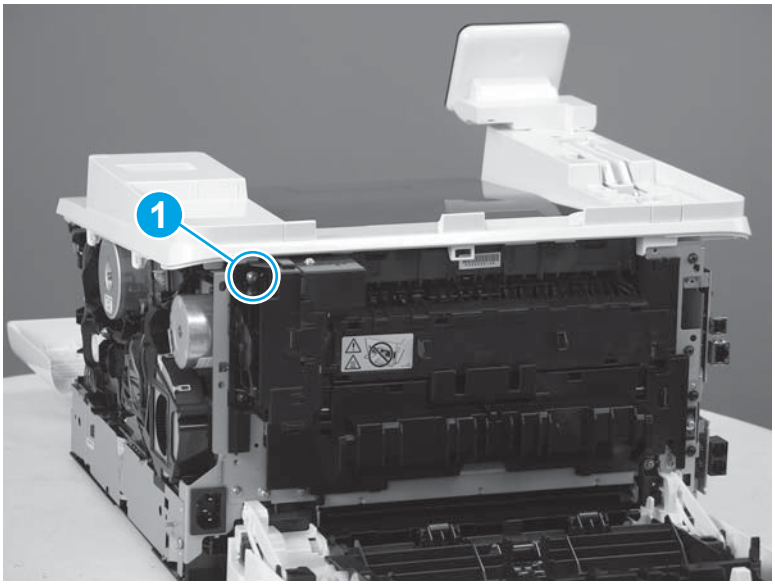
**NOTE:** To remove the screw beneath the control panel, you might need to use an offset screwdriver.

**Figure 1-662** Remove the M274, M277 top cover (2 of 10)



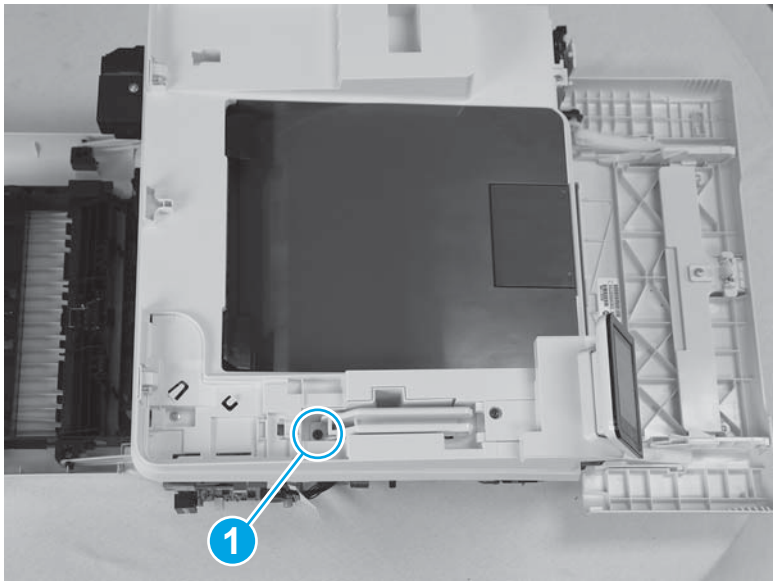

3. At the rear of the printer, remove one screw (callout 1).

**Figure 1-663** Remove the M274, M277 top cover (3 of 10)



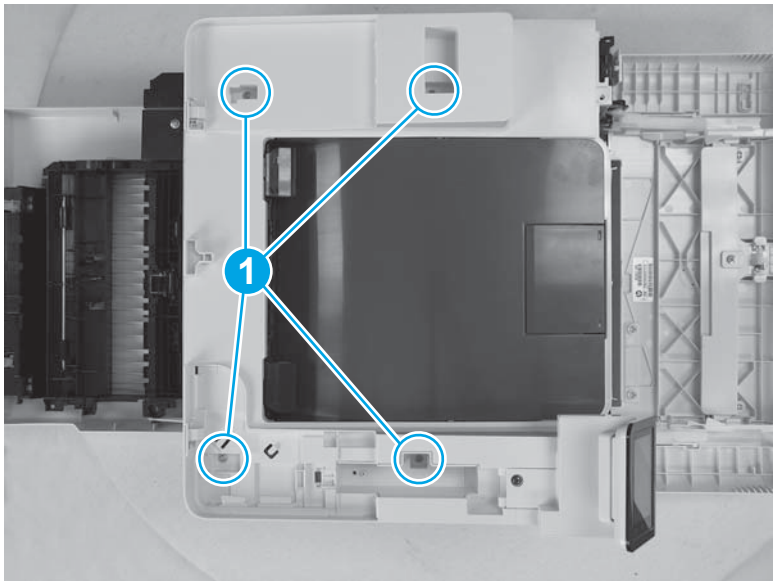
4. At the top of the printer, at the base of the scanner support arm, remove one screw (callout 1).

**Figure 1-664** Remove the M274, M277 top cover (4 of 10)



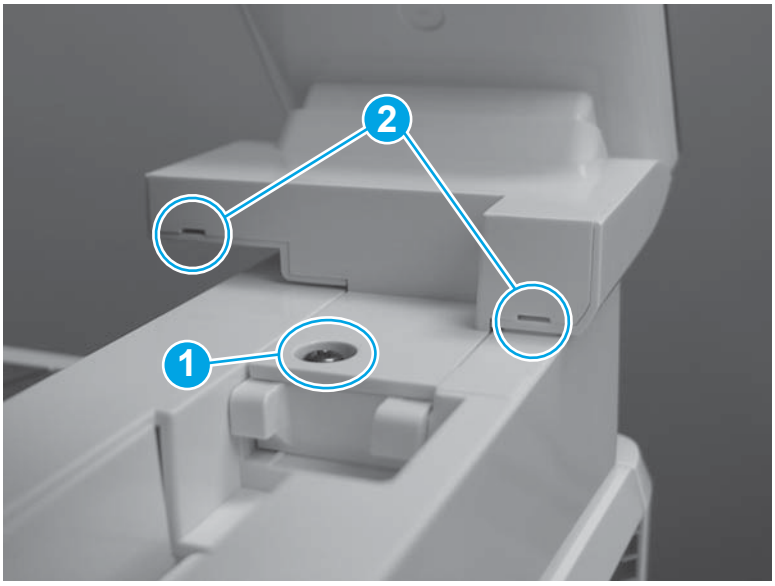

5. At the top of the printer, remove four more screws (callout 1).

**Figure 1-665** Remove the M274, M277 top cover (5 of 10)



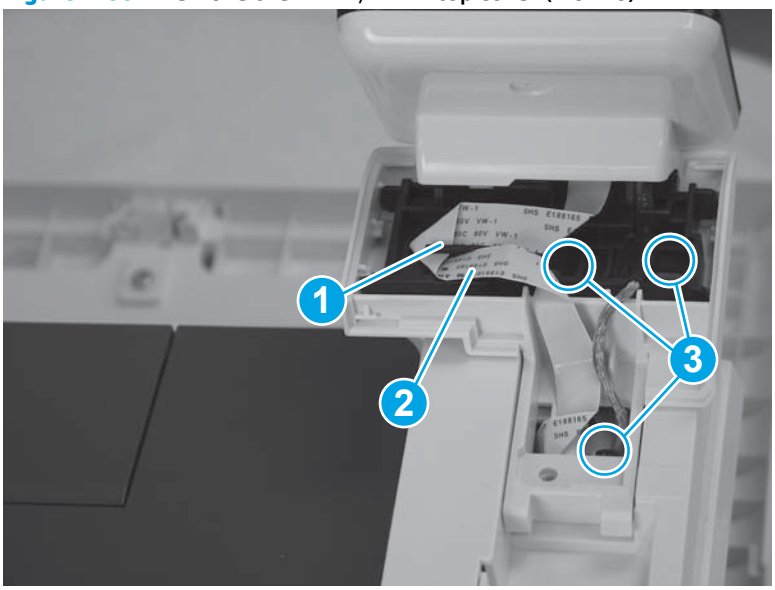
6. Behind the control panel, remove one screw (callout 1), and then use a small flat-blade screwdriver at two pry points (callout 2) to release the control-panel cover from the top cover.

**Figure 1-666** Remove the M274, M277 top cover (6 of 10)



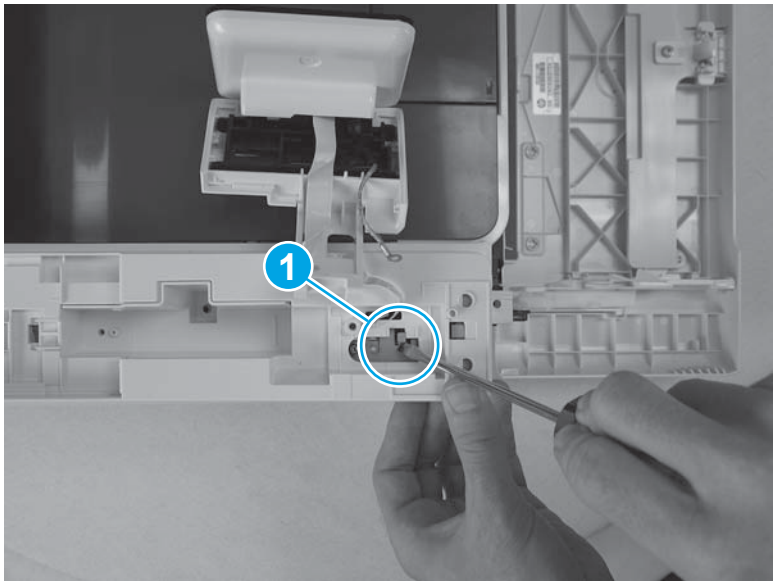

7. Unroute the flat cable (callout 1) from the wiring harness (callout 2), move the cable out of the way, and then remove three screws (callout 3).

**Figure 1-667** Remove the M274, M277 top cover (7 of 10)



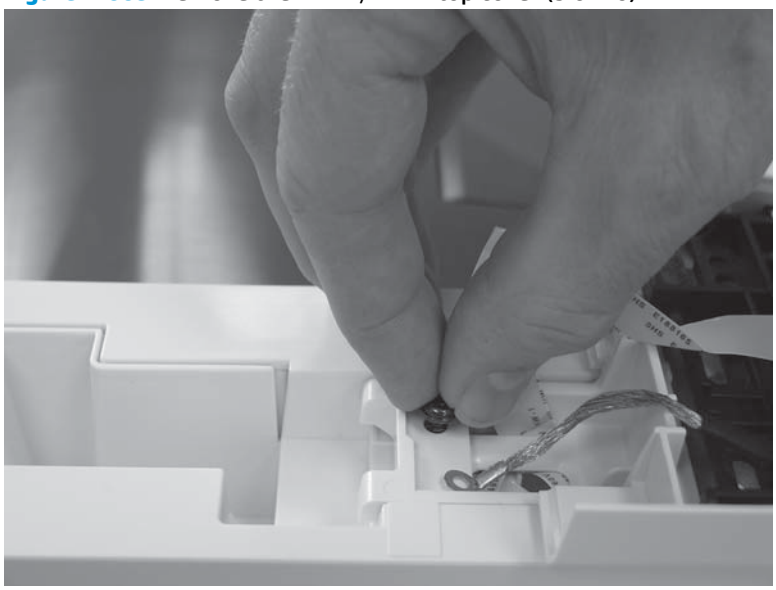
8. Use a small flat-blade screwdriver to release two tabs (callout 1) that connect the top cover to the chassis.

**Figure 1-668** Remove the M274, M277 top cover (8 of 10)



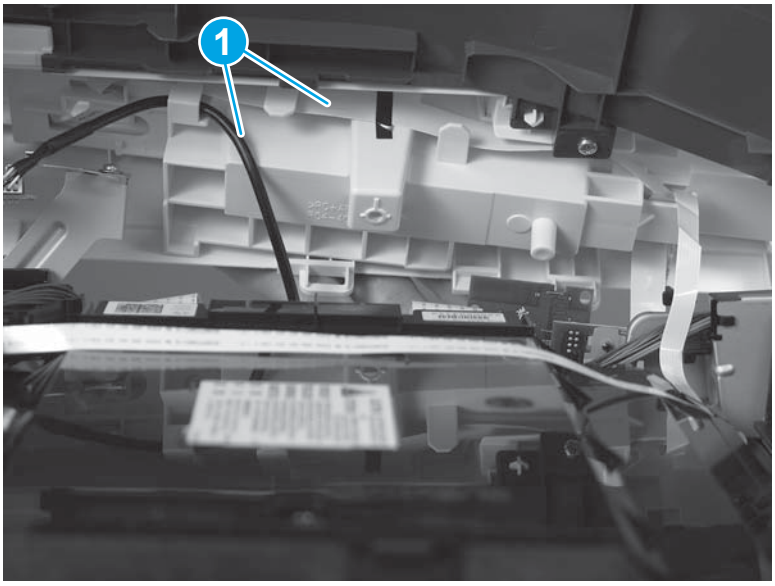

9. With your hand, refasten the screw that was previously removed to temporarily reattach the control panel to the top cover. Doing this should protect the flat cable from being damaged.

**Figure 1-669** Remove the M274, M277 top cover (9 of 10)



10. Tilt the top cover. Underneath the cover, unroute the cables (callout 1), and then lift the cover away from the printer.

**Figure 1-670** Remove the M274, M277 top cover (10 of 10)

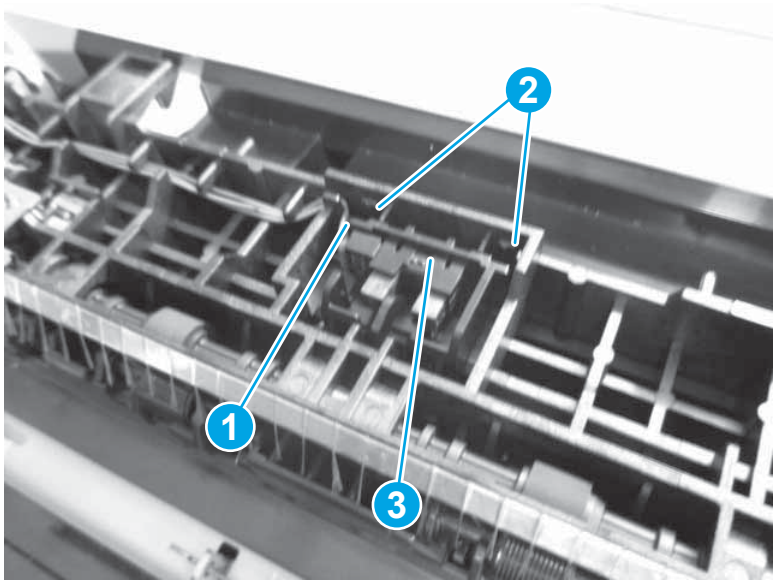



### Step 7: Remove the output sensor assembly

▲ At the top of the output bin, disconnect one connector (callout 1), release two tabs (callout 2), and then remove the output sensor assembly (callout 3).

**NOTE:** Unrouting the cable from the cable guides might make disconnecting the connector (callout 1) easier.

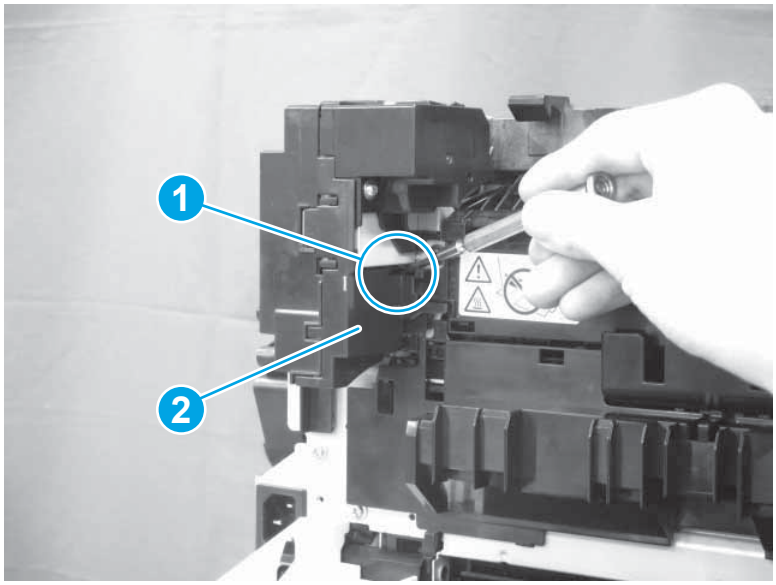
**Figure 1-671** Remove the output sensor assembly




### Step 8: Remove the duplex drive assembly

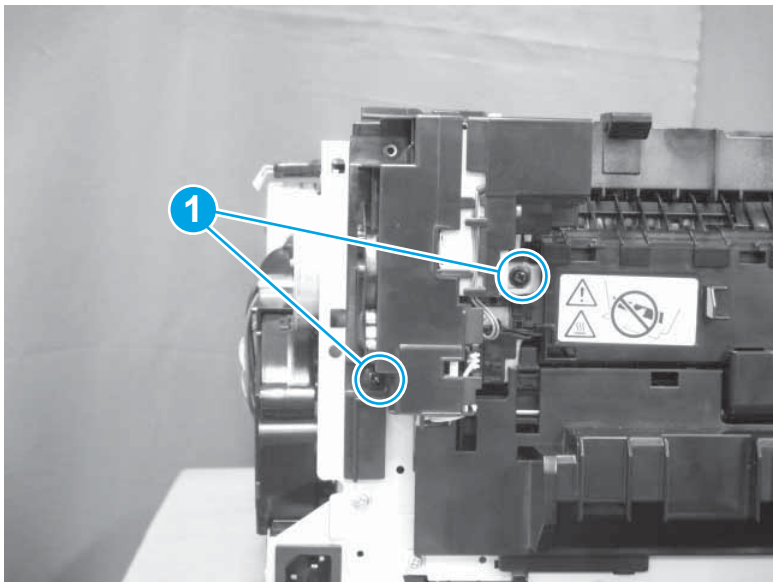
1. Use a flat-blade screwdriver to release one tab (callout 1), and then remove the cover (callout 2).

**Figure 1-672** Remove the duplex drive assembly (1 of 4)



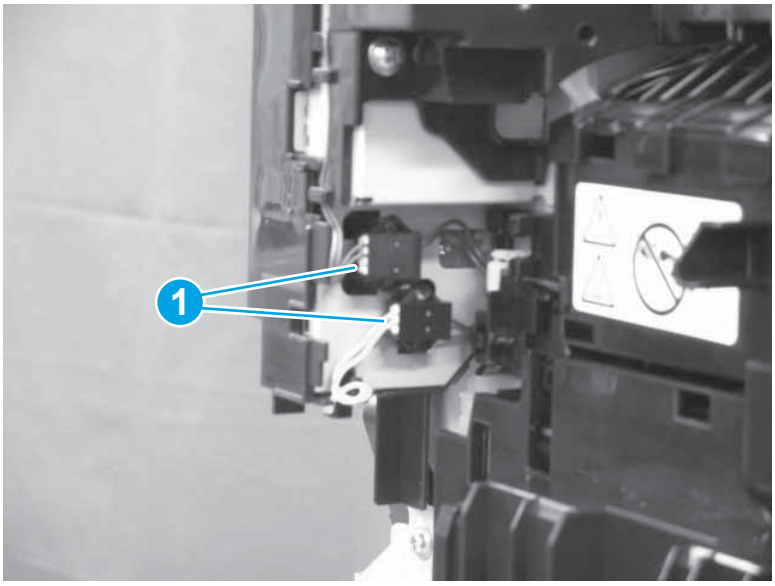

2. Remove two black screws (callout 1).

**Figure 1-673** Remove the duplex drive assembly (2 of 4)



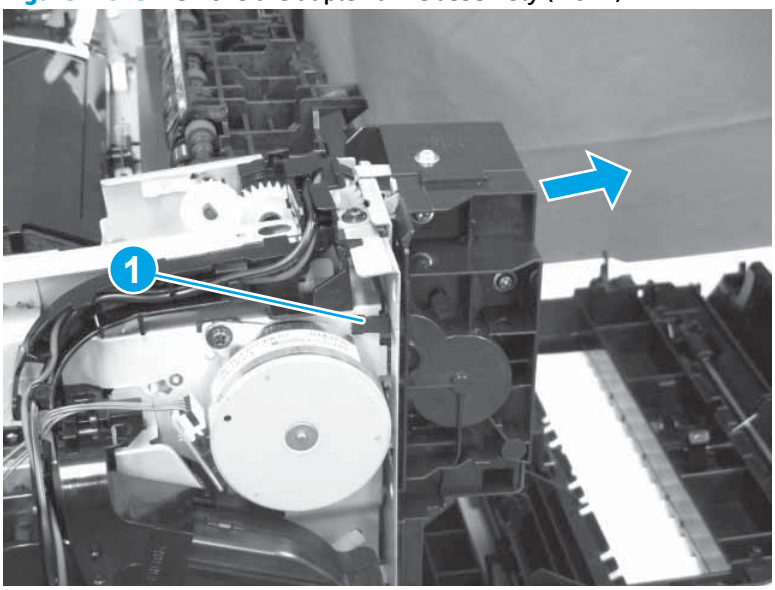
3. Disconnect two connectors (callout 1). Pulling the connectors away from the drive assembly first might make disconnecting them easier.

**Figure 1-674** Remove the duplex drive assembly (3 of 4)




4. On the right side of the printer, just above the fuser motor, release one tab (callout 1), and then pull the duplex drive assembly away from the chassis in the direction indicated below.

**Figure 1-675** Remove the duplex drive assembly (4 of 4)

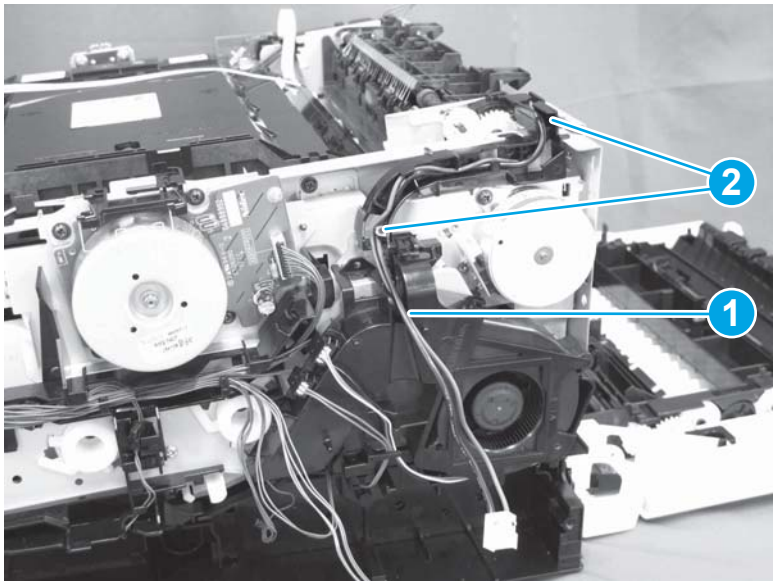



### Step 9: Remove the fuser

1. On the right side of the printer, release the low-voltage power supply cable (callout 1) and unroute it from the cable guide (callout 2).

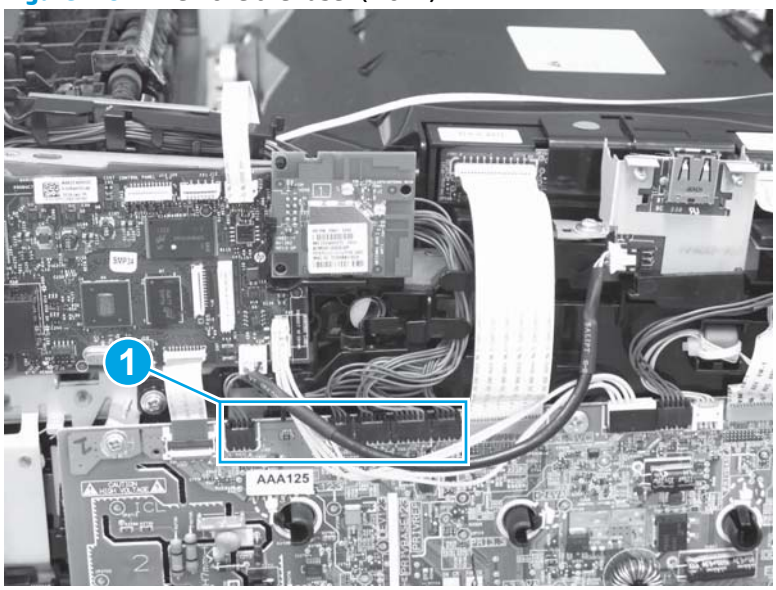
**Reinstallation tip:** Loosening the screws that hold the LVPS in place, so that it can be pulled away from the chassis slightly, will help with disconnecting the cable from the LVPS.

**Figure 1-676** Remove the fuser (1 of 4)



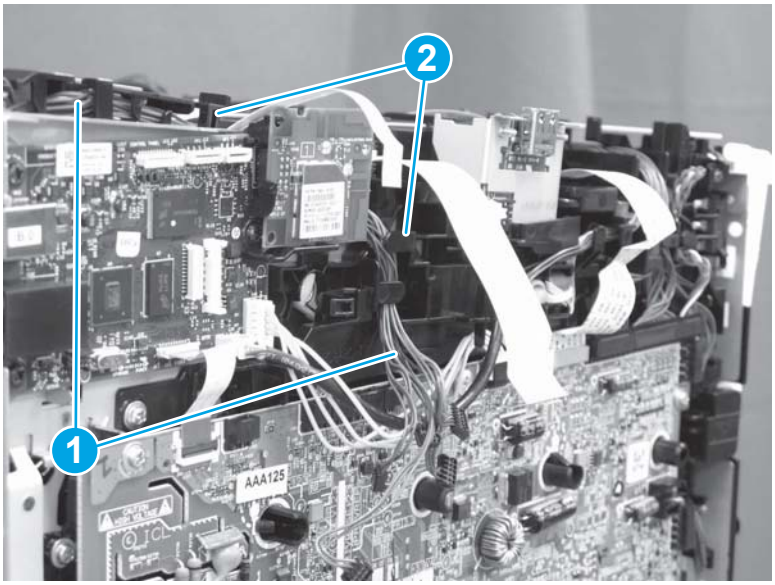

2. On the left side of the printer, disconnect five connectors (callout 1) on the engine controller unit.

**Figure 1-677** Remove the fuser (2 of 4)



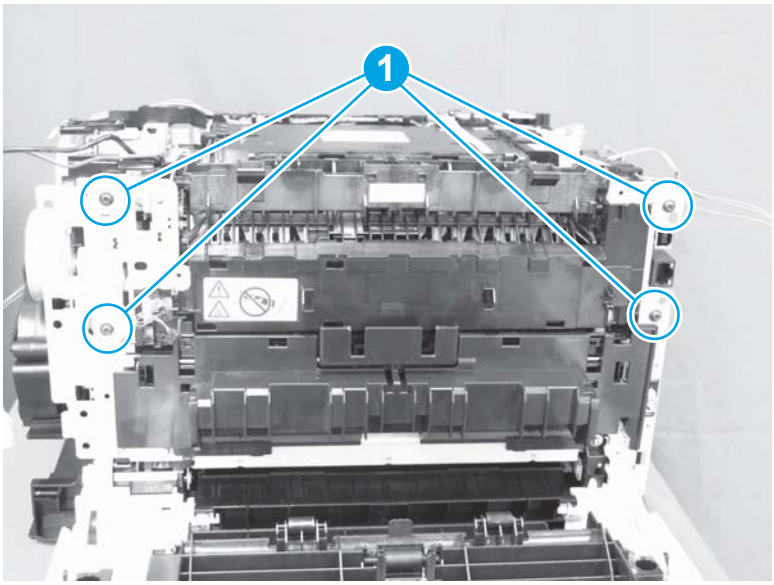
3. Unroute the engine controller unit cables (callout 1) from the cable guides (callout 2).

**Figure 1-678** Remove the fuser (3 of 4)




4. Remove four screws (callout 1), and then pull the fuser away from the chassis.

**Figure 1-679** Remove the fuser (4 of 4)



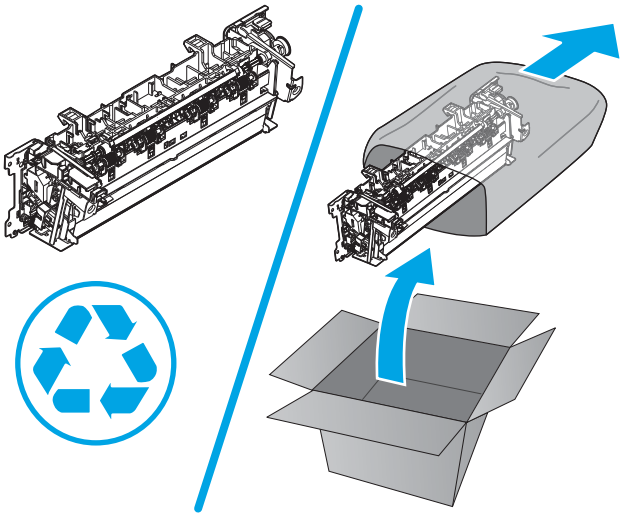

### Step 10: Unpack a replacement fuser

Remove the new fuser from its package. Save all packaging for recycling the used part.

For complete information on HP's recycling programs, go to http://www8.hp.com/us/en/hp-information/environment/product-recycling.html.

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

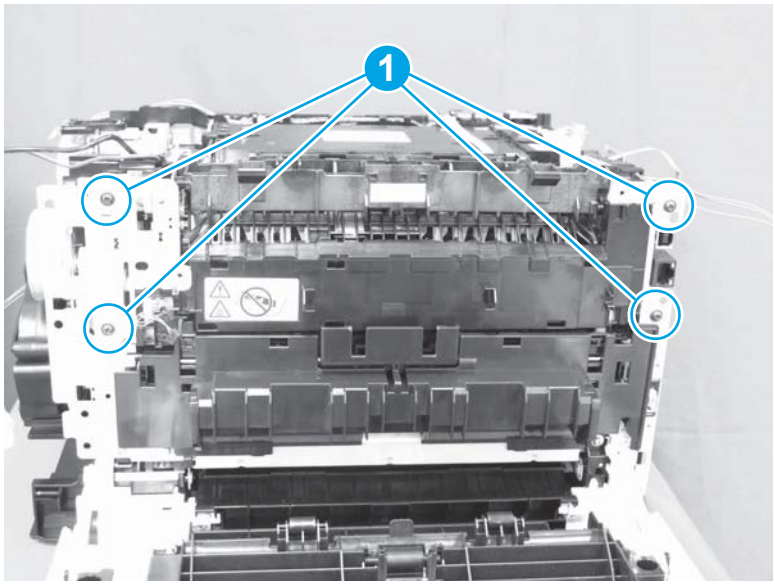
**Figure 1-680** Recycle and unpack



### Step 11: Install the fuser

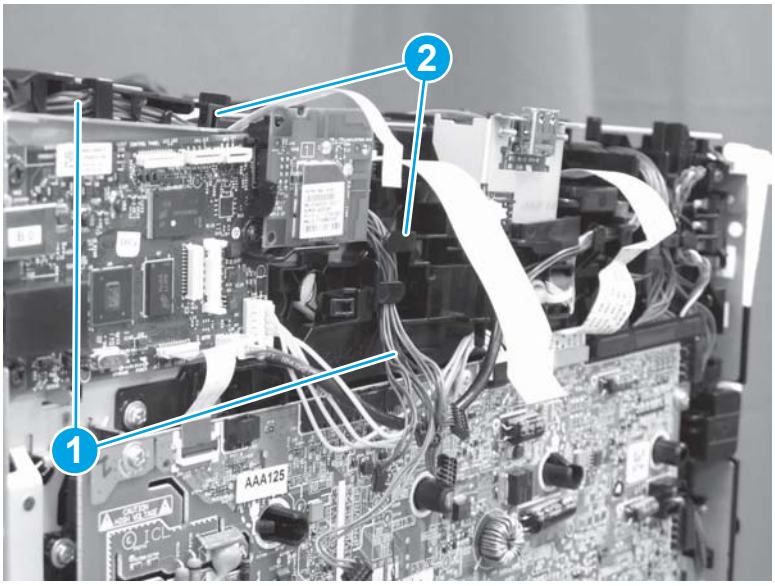
1. On the rear side of the printer, set the fuser in place in the chassis, and then install four screws (callout 1).

**Figure 1-681** Install the fuser (1 of 4)



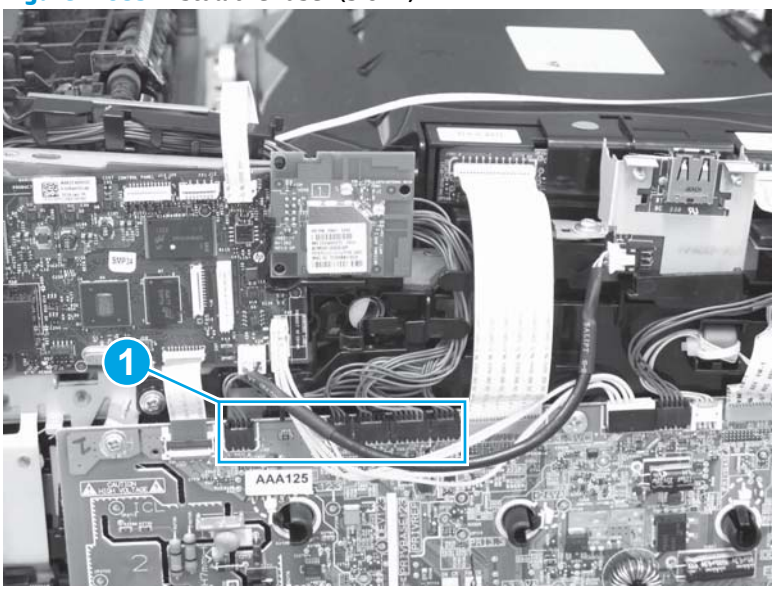
2. On the left side of the printer, route the engine controller unit cables (callout 1) through the cable guides (callout 2).

**Figure 1-682** Install the fuser (2 of 4)




3. Connect five connectors (callout 1) on the engine controller unit.

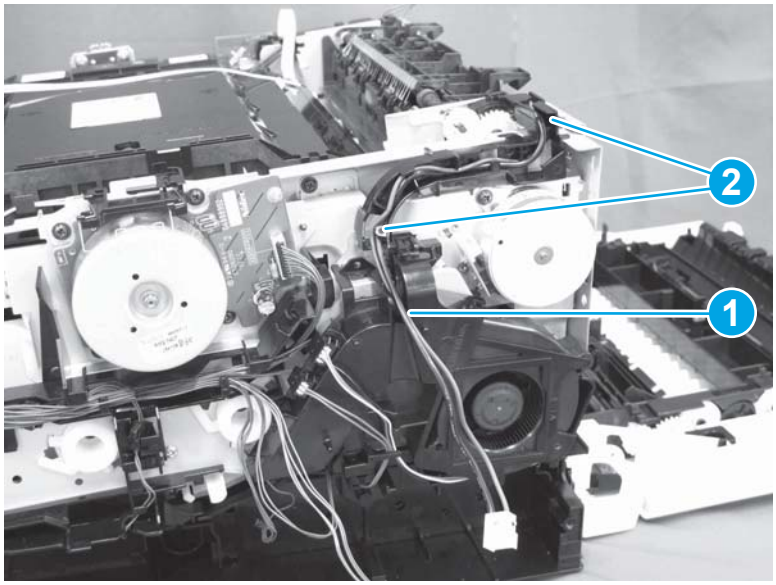
**Figure 1-683** Install the fuser (3 of 4)



4. On the right side of the printer, route the low-voltage power supply cable (callout 1) in the cable guide (callout 2), and then connect it to the LVPS.

**Reinstallation tip:** Loosening the screws that hold the LVPS in place, so that it can be pulled away from the chassis slightly, will help with reconnecting the cable to the LVPS.

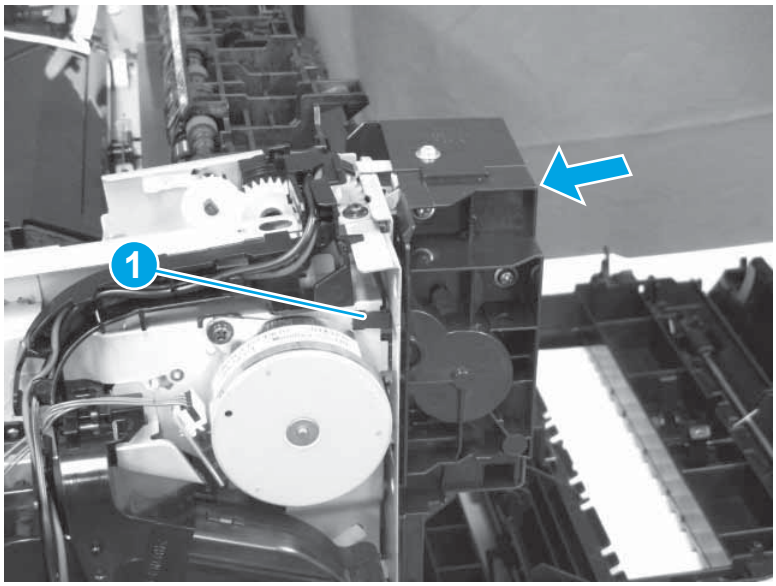
**Figure 1-684** Install the fuser (4 of 4)




### Step 12: Install the duplex drive assembly

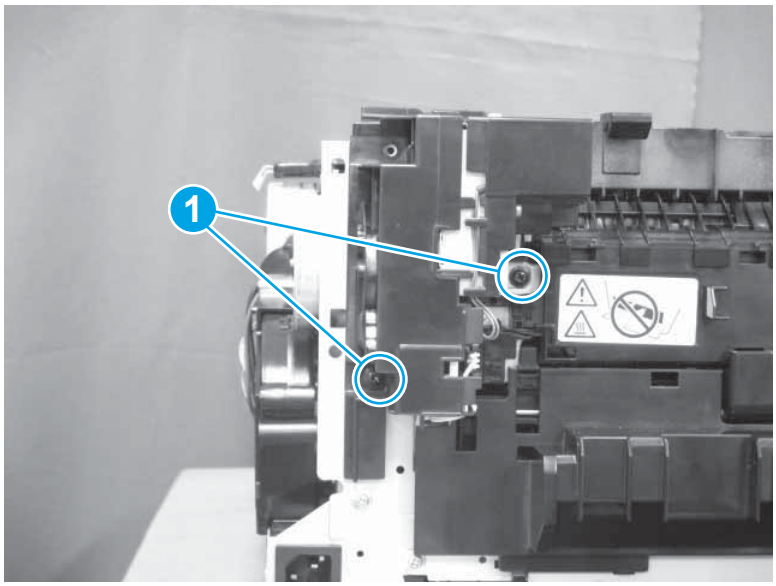
1. On the rear right corner of the printer,set the duplex drive assembly in place on the chassis, and then, just above the fuser motor, engage one tab (callout 1).

**Figure 1-685** Install the duplex drive assembly (1 of 4)



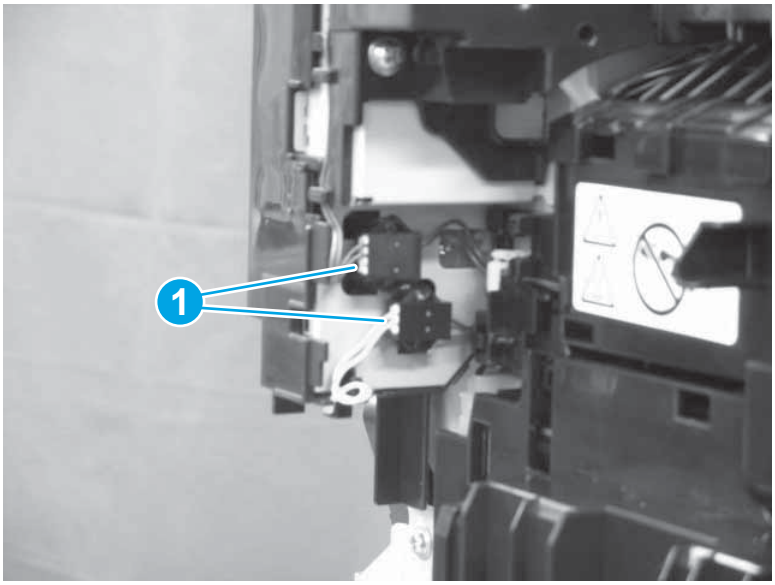
2. Install two black screws (callout 1).

**Figure 1-686** Install the duplex drive assembly (2 of 4)



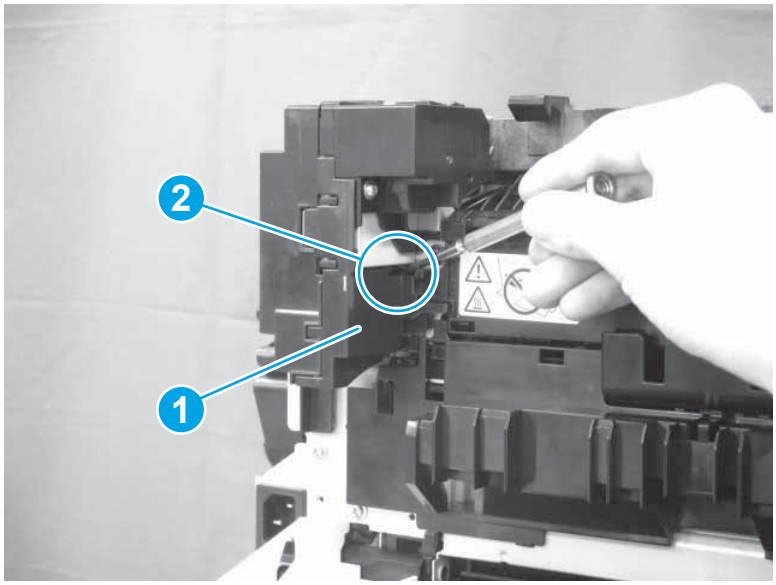

3. Connect two connectors (callout 1), and then clip them into place against the assembly.

**Figure 1-687** Install the duplex drive assembly (3 of 4)



4. Set the cover (callout 1) in place, and then engage one tab (callout 2).

**Figure 1-688** Install the duplex drive assembly (4 of 4)

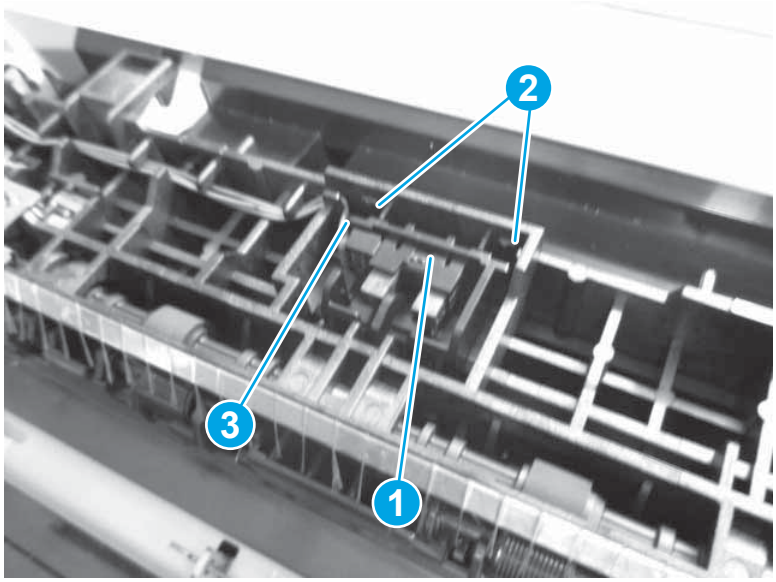



### Step 13: Install the output sensor assembly

- At the top of the output bin, set the output sensor assembly (callout 1) in place, engage two tabs (callout 2), and then connect one connector (callout 3).

**NOTE:** Unrouting the cable from the cable guides might make connecting the connector (callout 3) easier.

**Figure 1-689** Install the output sensor assembly

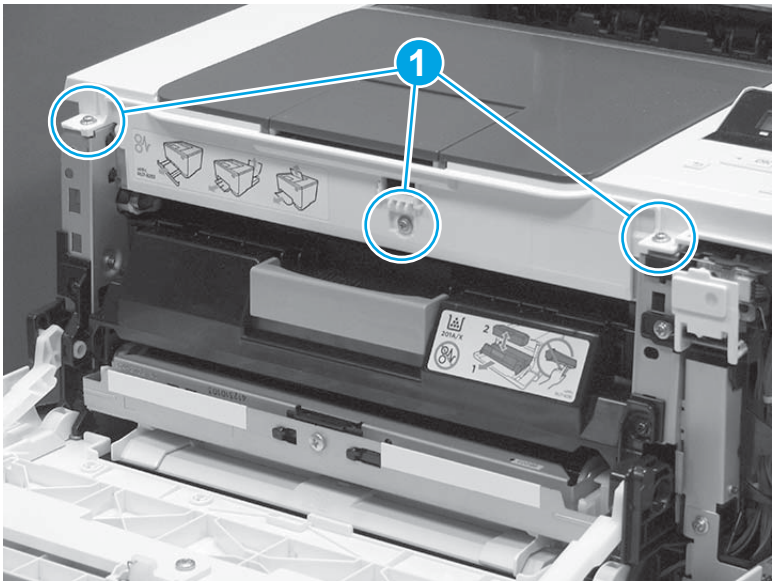



### Step 14: Install the top cover

#### Install the M252n top cover

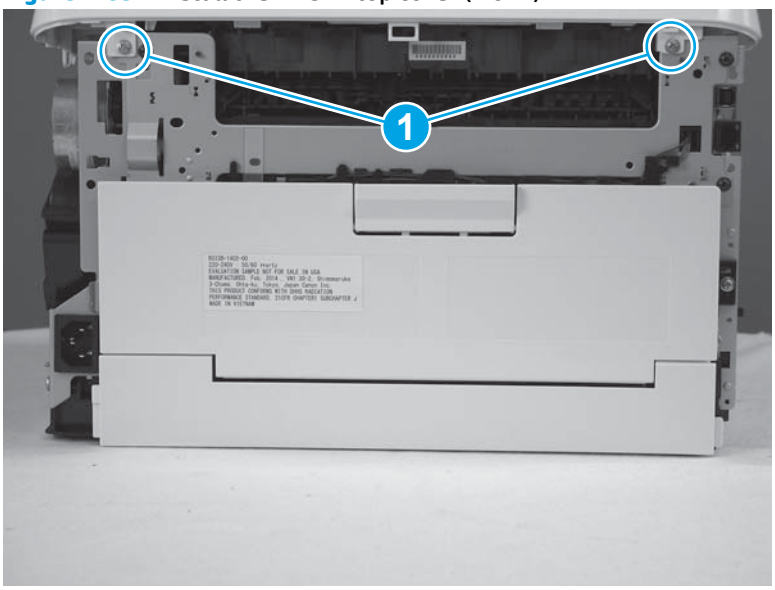
1. At the front of the printer, set the cover in place, and then install three screws (callout 1).

**Figure 1-690** Install the M252n top cover (1 of 4)



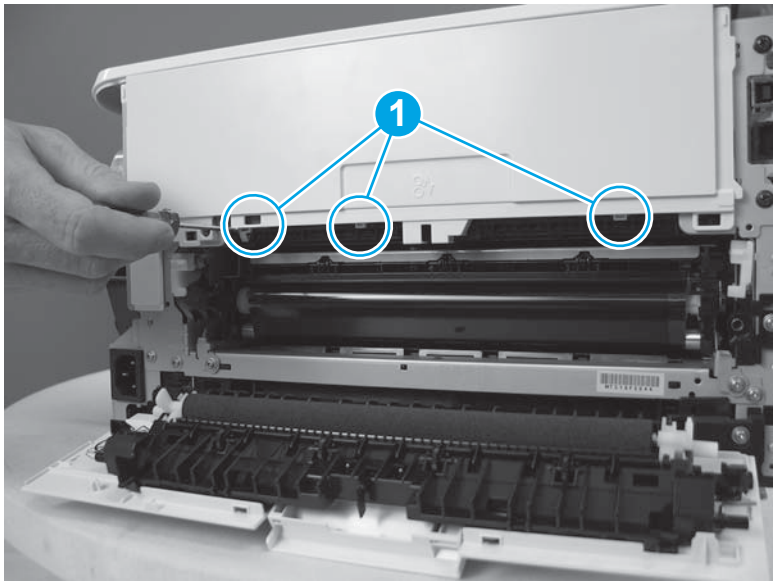

2. On the rear side of the printer, install two screws (callout 1).

**Figure 1-691** Install the M252n top cover (2 of 4)



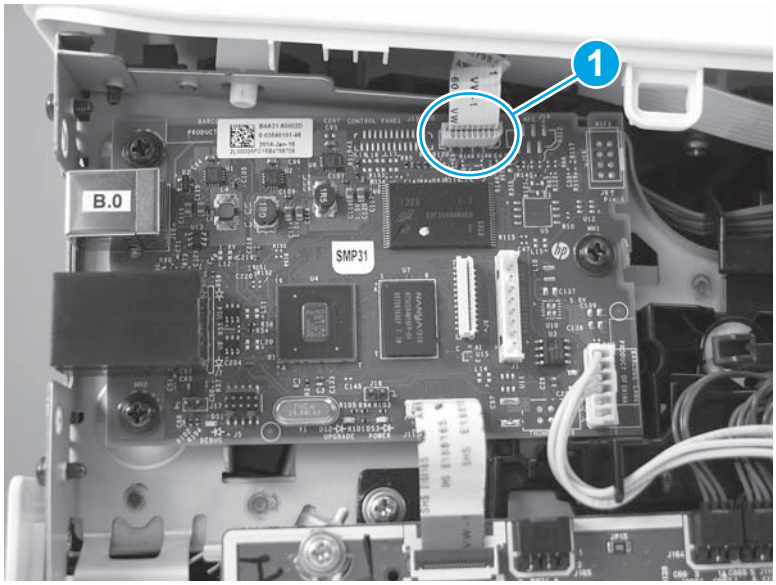
3. Open the rear door, and then install the upper rear cover by engaging three tabs (callout 1) at the bottom of the cover.

**Figure 1-692** Install the M252n top cover (3 of 4)




4. On the left side of the printer, on the formatter, connect one connector (callout 1).

**Figure 1-693** Install the M252n top cover (4 of 4)

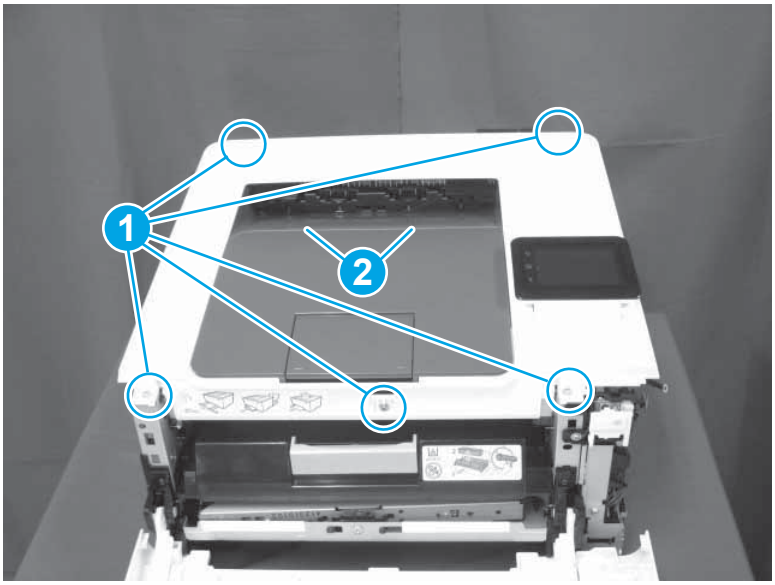



## Install the M252dw top cover

1. Set the cover in place, and then install five screws (callout 1) — three screws at the front and two screws at the rear.

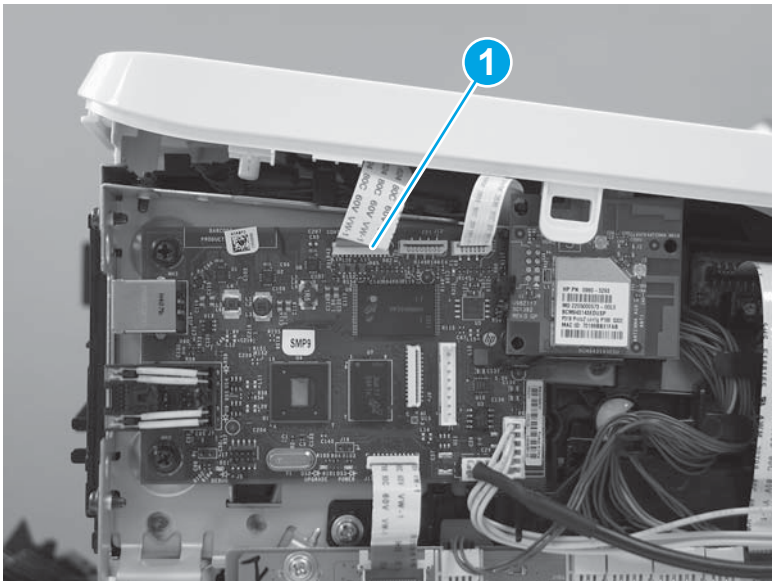
**IMPORTANT:** Before installing the screws, press down along the rear edge of the cover (callout 2) to enage two retaining tabs (the tabs should snap into place).

**Figure 1-694** Install the M252dw top cover (1 of 3)



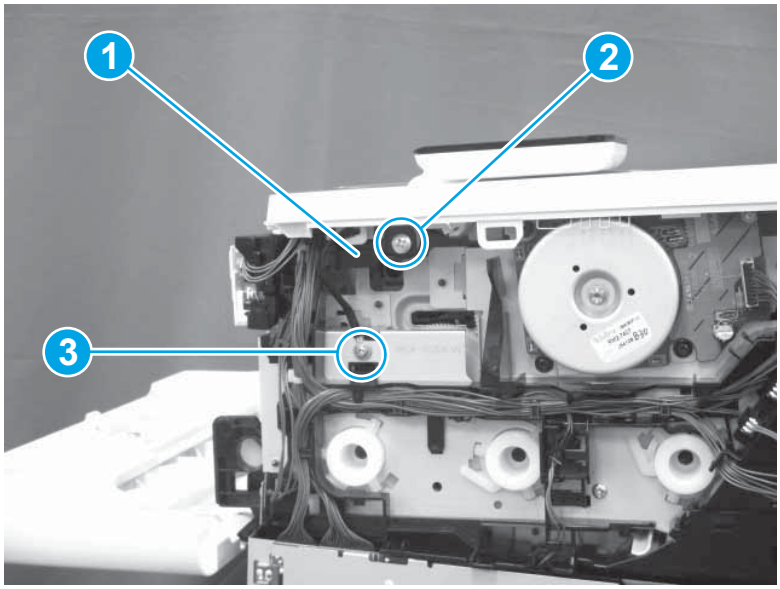

2. On the left side of the printer, on the formatter PCA, connect one flat cable (callout 1).

**Figure 1-695** Install the M252dw top cover (2 of 3)



3. On the right side of the printer, push the plastic guide (callout 1) into the chassis, install one M4 tapping screw (callout 2), and install one screw (callout 3) to fasten the ground wire to the chassis.

**Figure 1-696** Install the M252dw top cover (3 of 3)

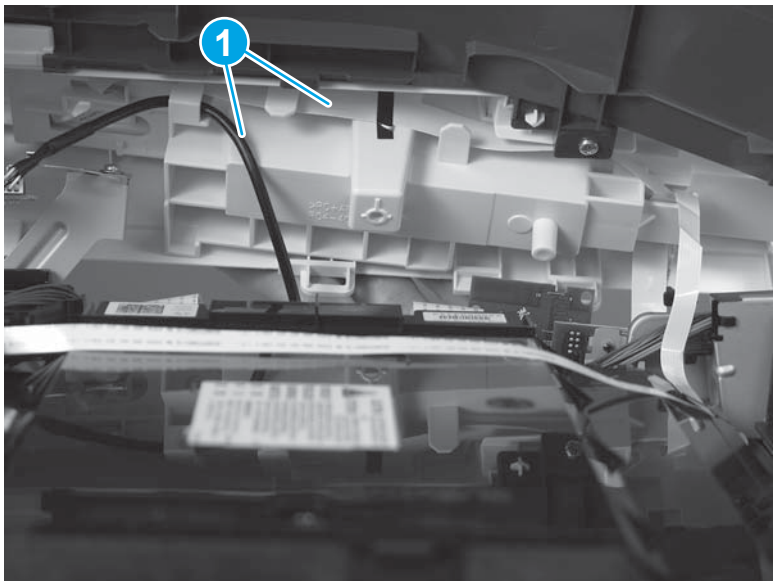



## Install the M274, M277 top cover

1. Set the cover in place on the chassis, and then tilt the top cover. Underneath the cover, route the cables (callout 1) through their respective guides.

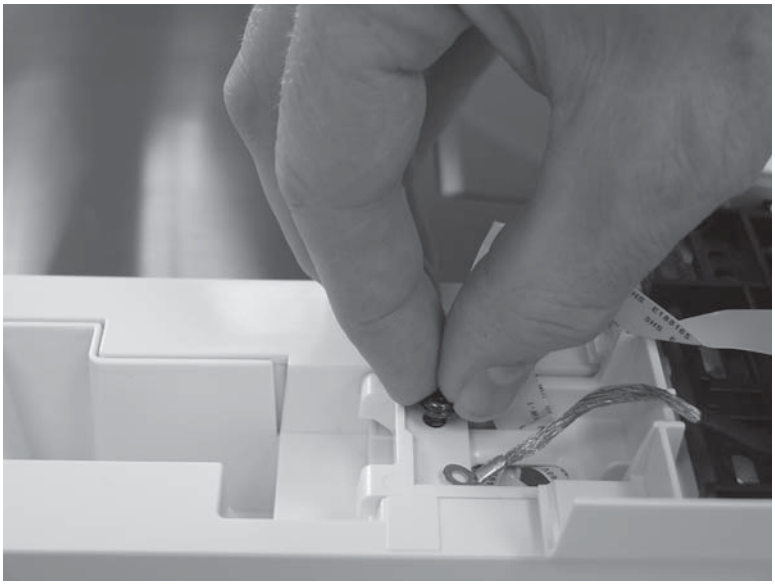
**IMPORTANT:** After placing the cover on the printer, press down along the rear edge of the cover to enage two retaining tabs (the tabs should snap into place).

**Figure 1-697** Install the M274, M277 top cover (1 of 10)



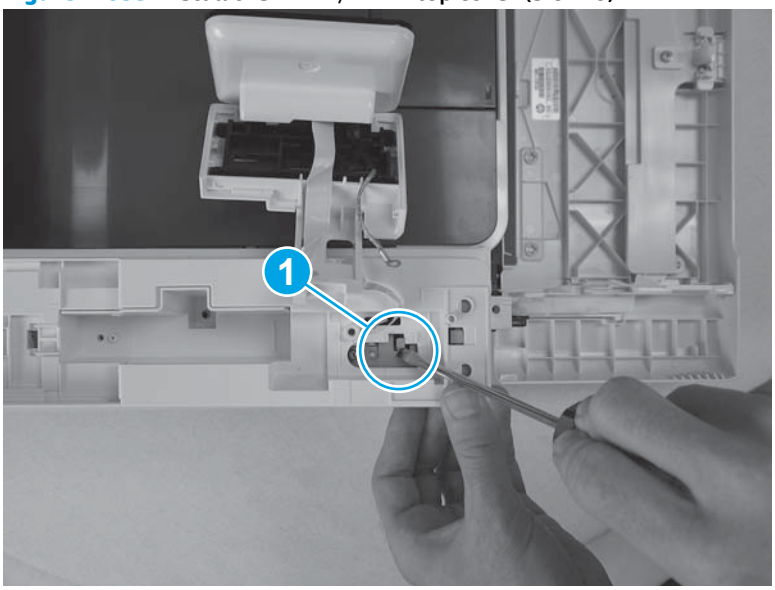
2. With your hand, unfasten the screw that was used to temporarily reattach the control panel to the top cover. Pull the control panel away from the cover to expose the tabs underneath.

**Figure 1-698** Install the M274, M277 top cover (2 of 10)



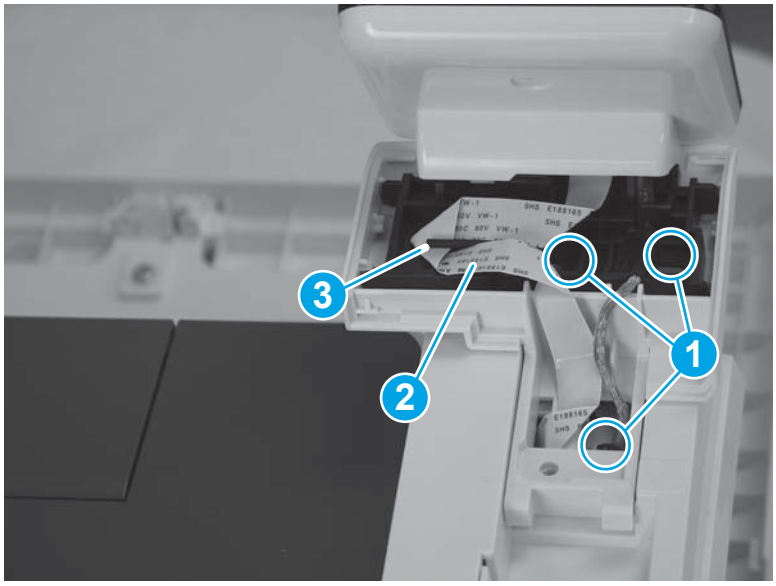
3. Use a small flat-blade screwdriver to engage two tabs (callout 1) that connect the top cover to the chassis.

**Figure 1-699** Install the M274, M277 top cover (3 of 10)



4. Set the control-panel assembly in place, install three screws (callout 1), and then route the flat cable (callout 2) into the cable guide (callout 3).

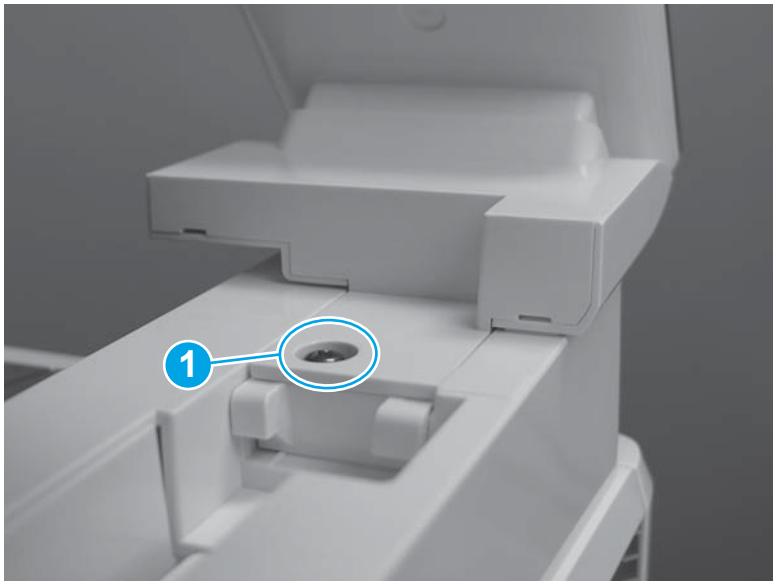
**Figure 1-700** Install the M274, M277 top cover (4 of 10)




5. Behind the control panel, set the control-panel cover in place, and then install one screw (callout 1).

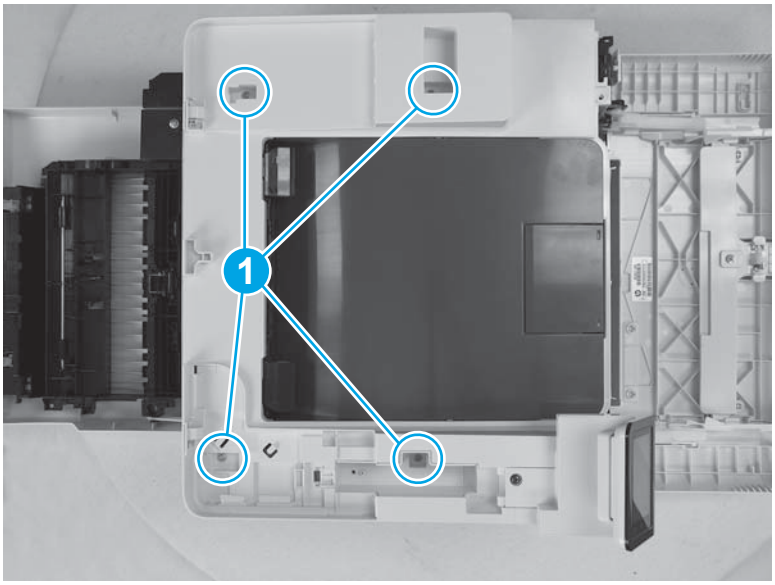
**IMPORTANT:** Make sure that the front edge of the control panel is correctly installed and that it snaps into place.

**Figure 1-701** Install the M274, M277 top cover (5 of 10)



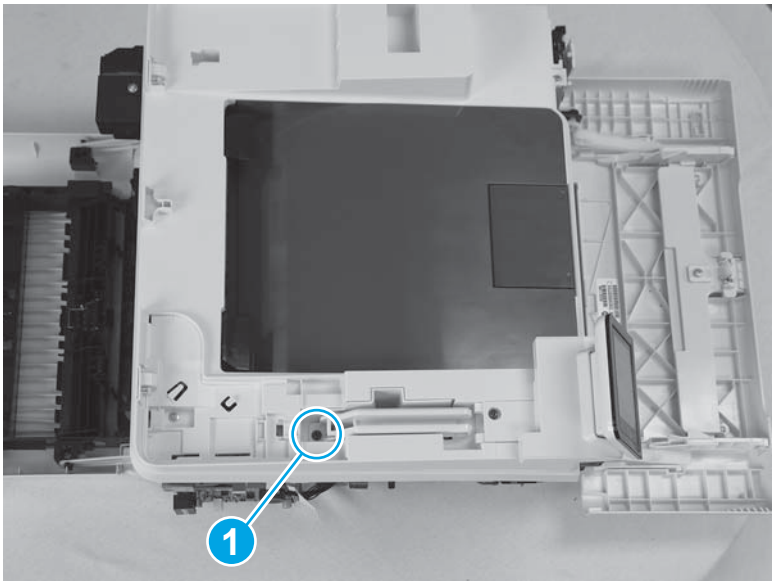
6. At the top of the printer, install four screws (callout 1).

**Figure 1-702** Install the M274, M277 top cover (6 of 10)



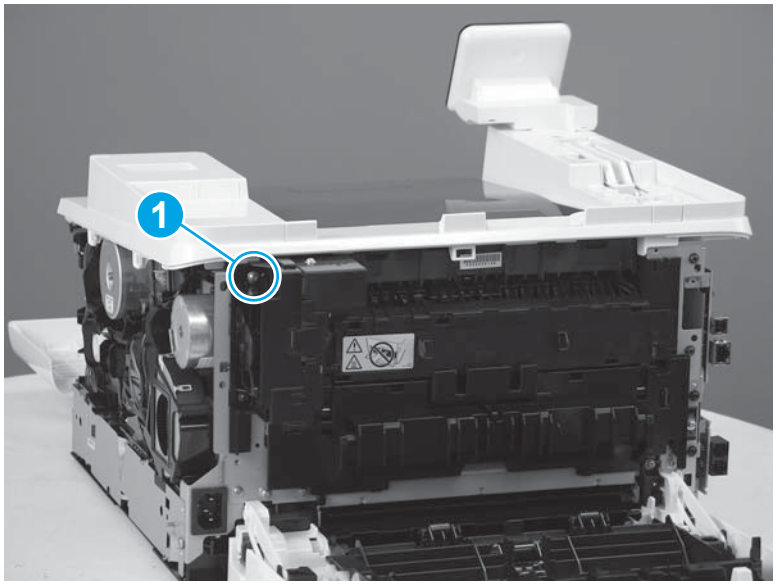

7. At the top of the printer, at the base of the scanner support arm, install one screw (callout 1).

**Figure 1-703** Install the M274, M277 top cover (7 of 10)



8. At the rear of the printer, install one screw (callout 1).

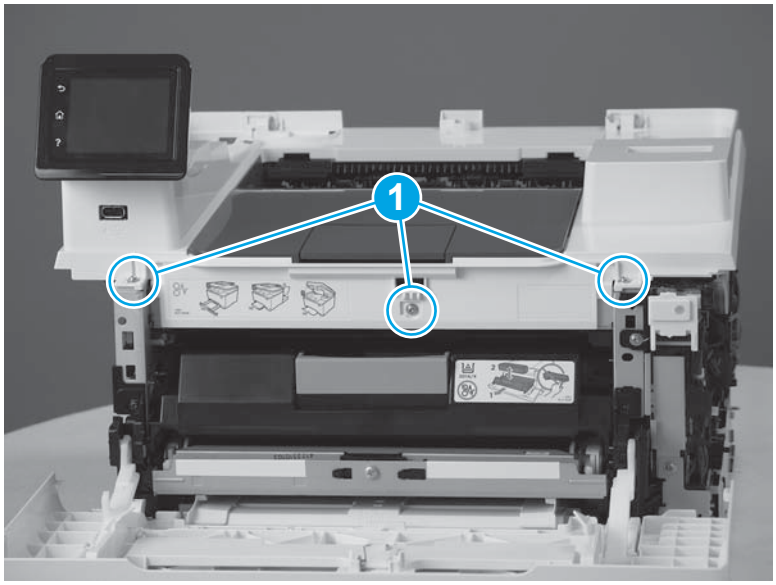
**Figure 1-704** Install the M274, M277 top cover (8 of 10)




9. At the front of the printer, install three screws (callout 1).

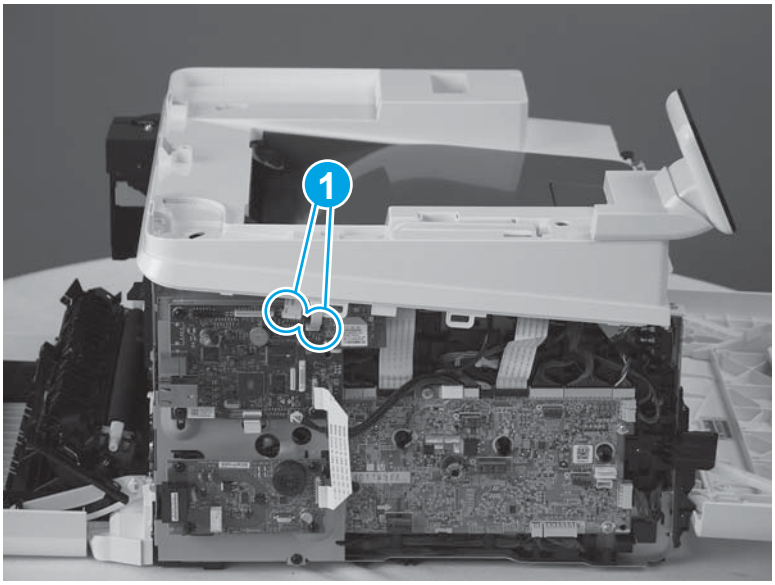
**NOTE:** To install the screw beneath the control panel, you might need to use an offset screwdriver.

**Figure 1-705** Install the M274, M277 top cover (9 of 10)



10. On the left side of the printer, on the formatter PCA, connect two connectors (callout 1).

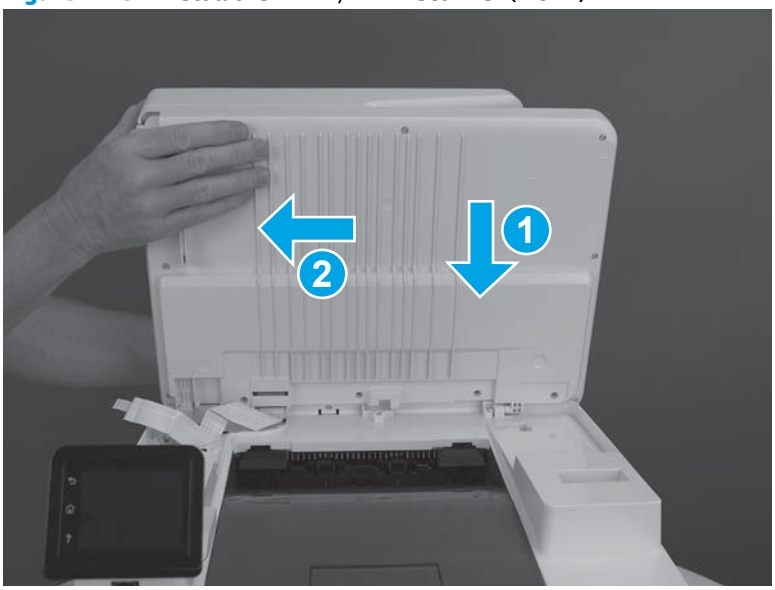
**Figure 1-706** Install the M274, M277 top cover (10 of 10)




### Step 15: Install the scanner (M274, M277 models)

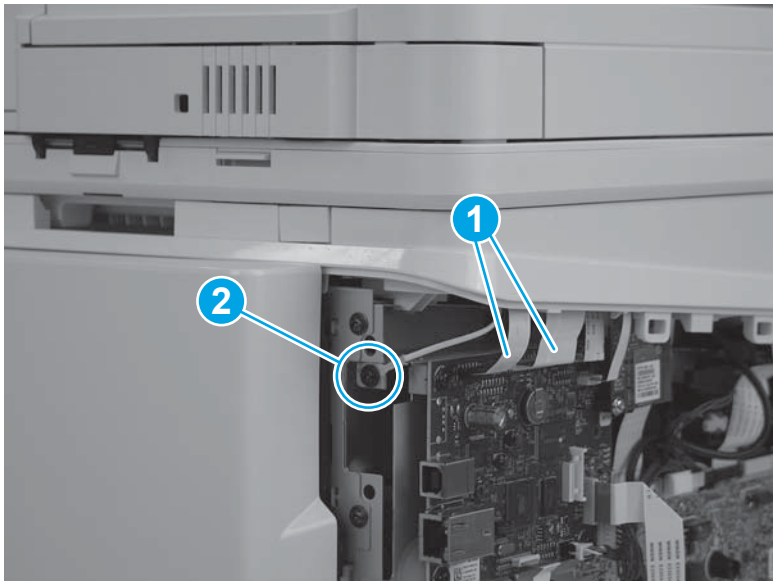
1. Open the scanner assembly fully, lower the assembly onto the chassis, and then slide the assembly in the direction indicated.

**Figure 1-707** Install the M274, M277 scanner (1 of 4)



2. On the left side of the printer, connect two connectors (callout 1) and install one screw (callout 2).

**Figure 1-708** Install the M274, M277 scanner (2 of 4)

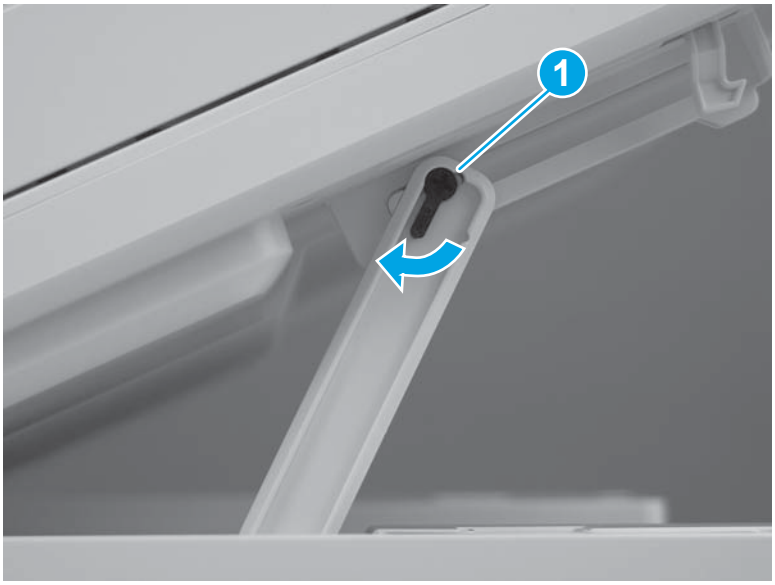



3. On the scanner bed, snap the scanner cable cover in place.

**Figure 1-709** Install the M274, M277 scanner (3 of 4)

4. With the scanner lid lifted, inset the scanner support arm pin (callout 1), and then rotate the tab in the direction indicated until it snaps into the slot.

**Figure 1-710** Install the M274, M277 scanner (4 of 4)



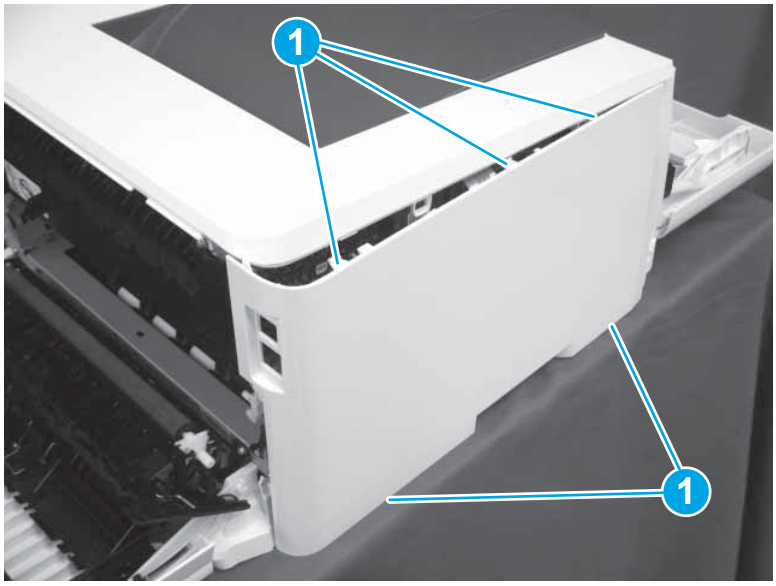

### Step 16: Install the left cover

1. Engage the bottom front cover tab in the chassis, and then raise the top part of the cover to set the front tabs in place.

**Figure 1-711** Install the left cover (1 of 3)

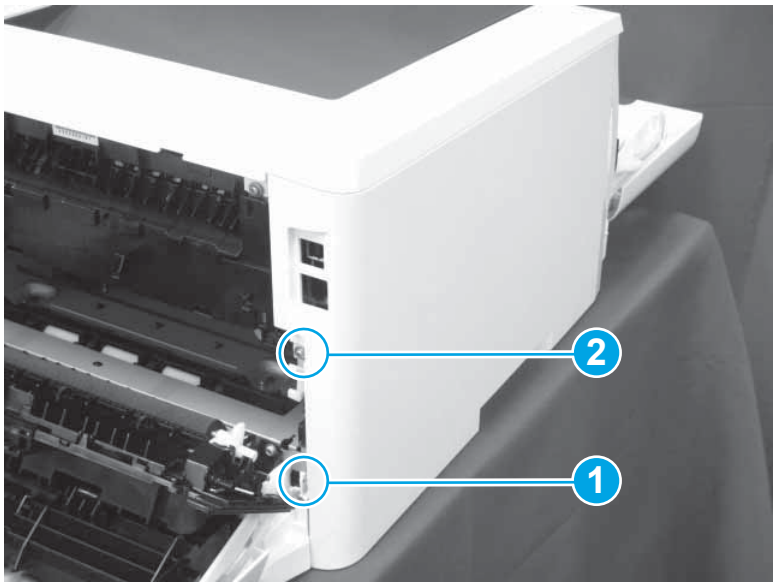
2. Working from the front edge to the back edge, engage five tabs (callout 1) along the top and bottom of the cover.

**Figure 1-712** Install the left cover (2 of 3)




3. At the rear of the printer, engage one tab (callout 1), and then install one screw (callout 2).

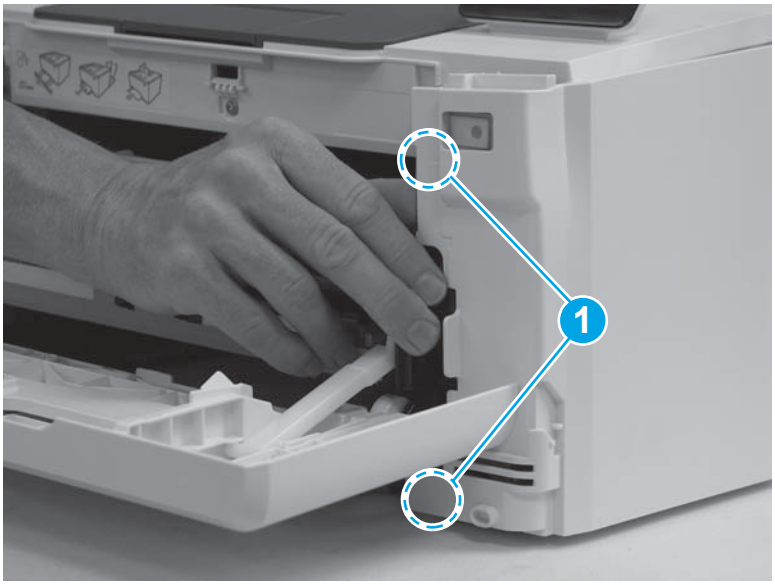
**Figure 1-713** Install the left cover (3 of 3)




### Step 17: Install the right cover

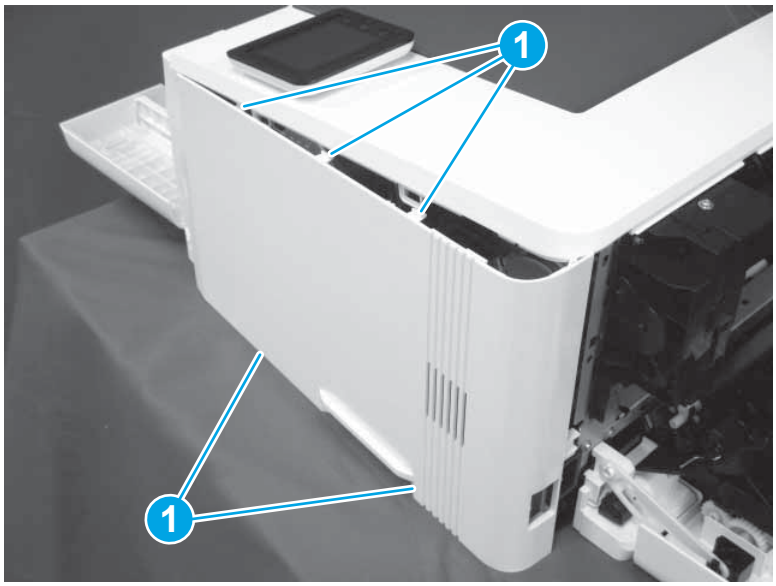
1. At the front of the printer, position two tabs (callout 1) in the chassis.

**Figure 1-714** Install the right cover (1 of 3)



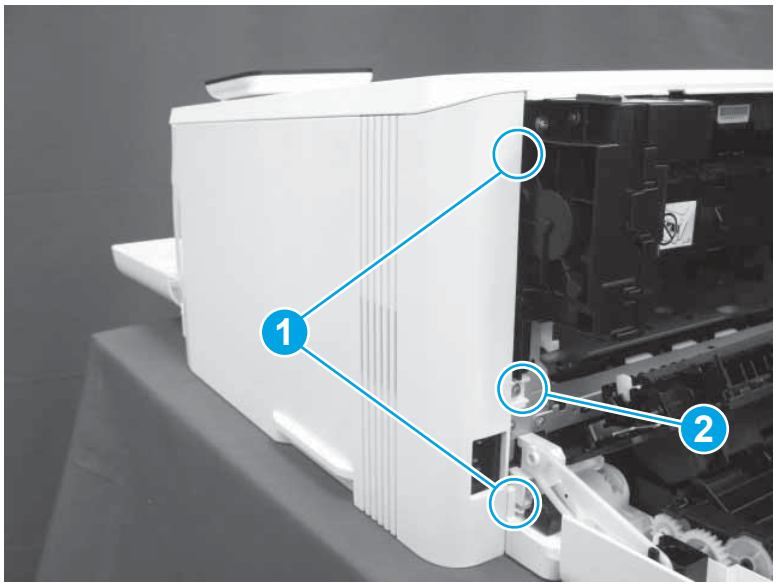

2. Moving from the front to the back, set five tabs (callout 1) along the top and bottom of the cover.

**Figure 1-715** Install the right cover (2 of 3)



3. At the rear of the printer, set two tabs (callout 1), and then install one screw (callout 2).

**Figure 1-716** Install the right cover (3 of 3)



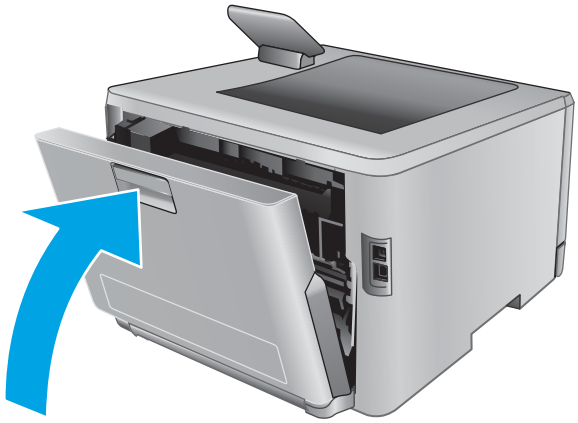

### Step 18: Close the front door and rear door or duplexer door

1. Close the front door.

**Figure 1-717** Close the front door and rear door or duplexer door (1 of 2)

2. Close the rear door (simplex models) or duplexer door (duplex models).

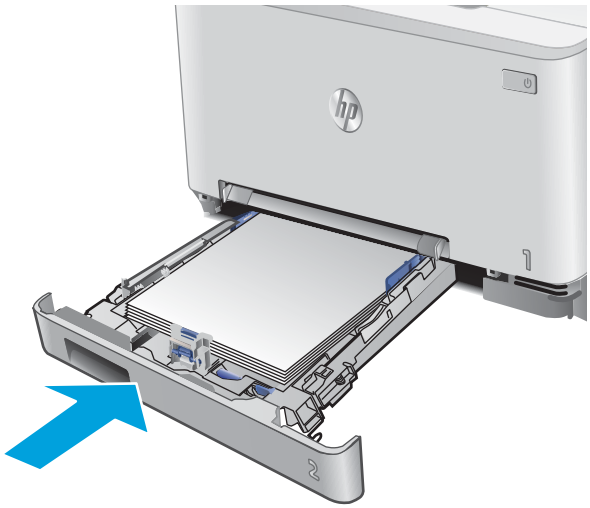
**Figure 1-718** Close the front door and rear door or duplexer door (2 of 2)



### Step 19: Install Tray 2

- Align Tray 2 with the tray cavity, and then push the tray into the printer.

**Figure 1-719** Install Tray 2



## Removal and replacement: Secondary transfer roller


- Introduction
- Step 1: Remove the secondary transfer roller
- Step 2: Unpack a replacement secondary transfer roller
- Step 3: Install the secondary transfer roller


## Introduction

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

## Before you begin

- Turn off the printer.
- 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 to order the part.

| Secondary transfer roller kit part number | |
|---|---|
| RM2-5906-000CN | Secondary transfer roller |

## Required tools

- #2 Phillips screwdriver with a magnetic tip

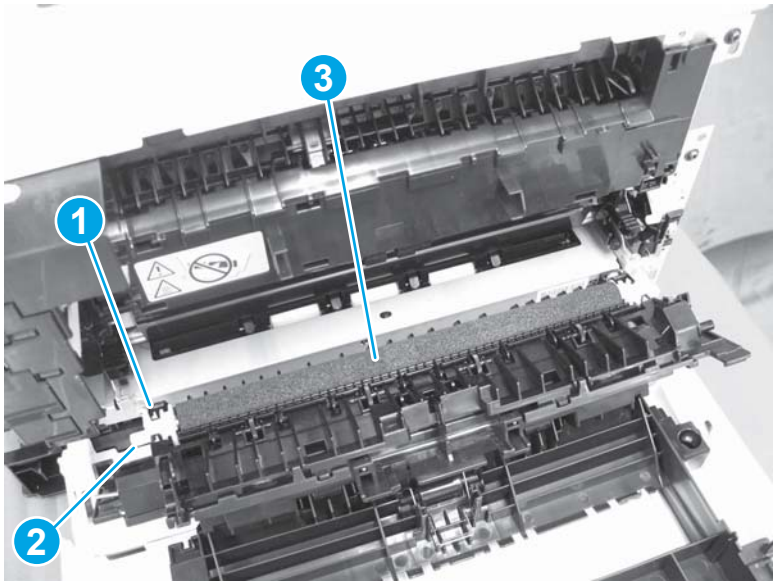
## After performing service

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

## Step 1: Remove the secondary transfer roller

▲ Open the rear door assembly. Inside the door assembly, release two tabs (callout 1), remove one bushing (callout 2), and then pull the secondary transfer roller (callout 3) out of the door assembly.

**Figure 1-22** Remove the secondary transfer roller



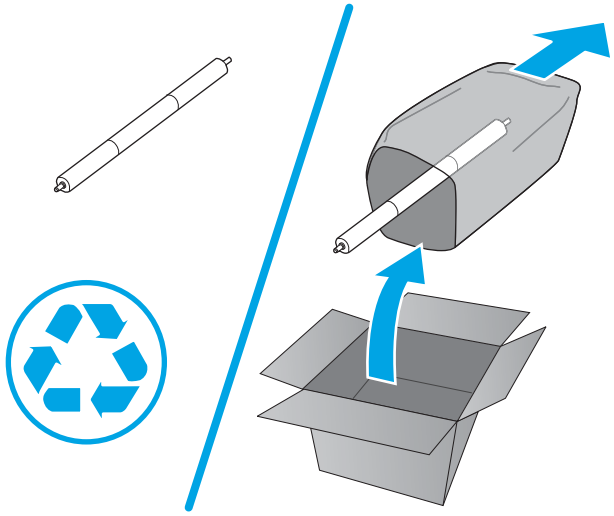

### Step 2: Unpack a replacement secondary transfer roller

Remove the new secondary transfer roller from its package. Save all packaging for recycling the used part.

For complete information on HP's recycling programs, go to http://www8.hp.com/us/en/hp-information/environment/product-recycling.html.

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

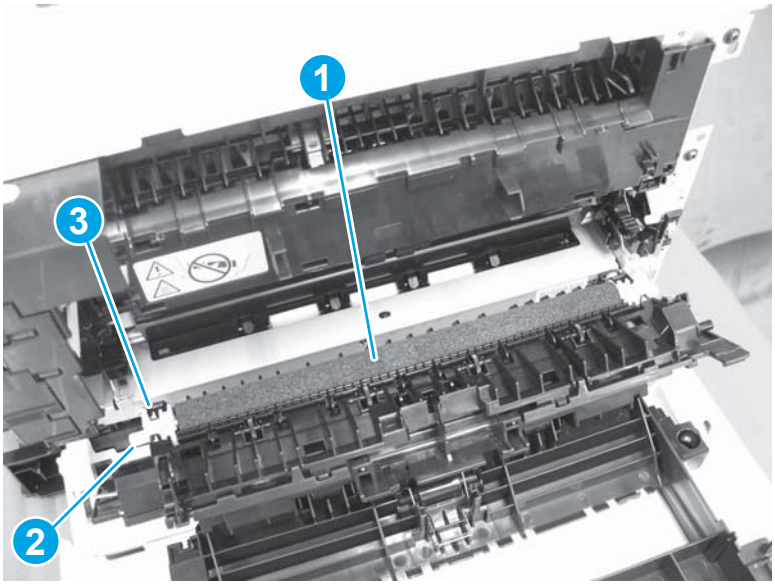
**Figure 1-23** Recycle and unpack



### Step 3: Install the secondary transfer roller

- Open the rear door assembly. Inside the door assembly, set the secondary transfer roller (callout 1) in place, set one bushing (callout 2) in place, and then engage two tabs (callout 3).

**Figure 1-24** Install the secondary transfer roller



## Removal and replacement: Tray 2 pickup roller and feed roller


- Introduction
- Step 1: Remove Tray 2
- Step 2: Remove the Tray 2 pickup roller and feed roller assembly
- Step 3: Unpack a replacement pickup roller and feed roller
- Step 4: Install the Tray 2 paper pickup roller and feed roller assembly
- Step 5: Install Tray 2


### Introduction

This document provides the procedures to remove and replace the Tray 2 pickup and feed rollers.

### Before you begin

- Turn off the printer.
- 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 to order the part.

| Tray 2 pickup and feed rollers part numbers | |
|---|---|
| **RM2-5576-000CN** | Tray 2 pickup roller |
| **RM2-5577-000CN** | Tray 2 feed roller |

### Required tools

- #2 Phillips screwdriver with a magnetic tip

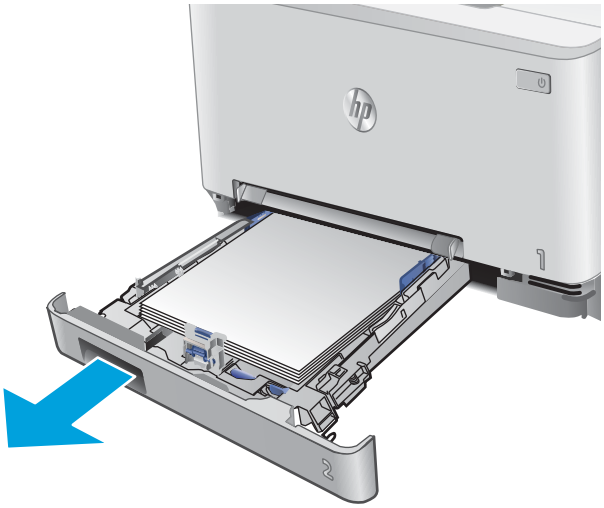
### After performing service

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

### Step 1: Remove Tray 2

▲ Using the handle on the face of Tray 2, pull the tray completely out of the printer.

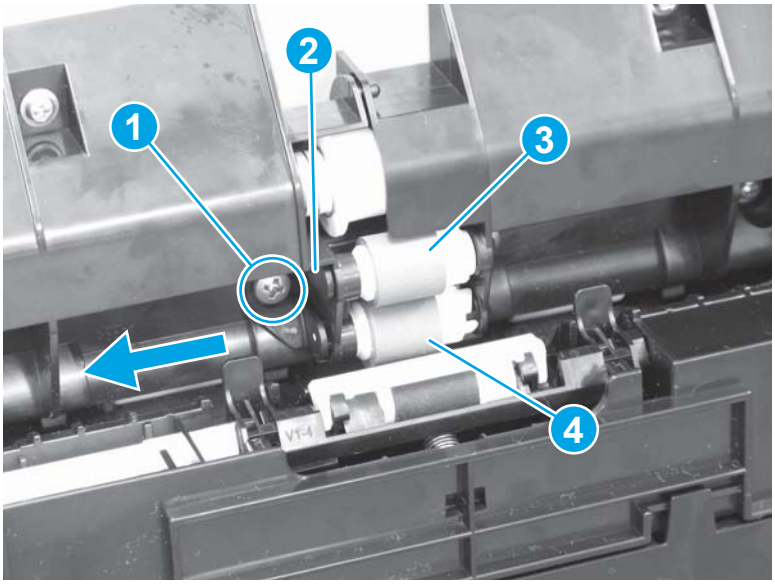
**Figure 1-10** Remove Tray 2



### Step 2: Remove the Tray 2 pickup roller and feed roller assembly

- Turn the printer front side up, so that it is resting on the rear door or duplexer. On the underside of the printer, remove one M4 tapping screw (callout 1), slide the two-pronged shaft assembly (callout 2) in the direction indicated, and then remove the pickup roller (callout 3) and the feed roller (callout 4).

**Figure 1-11** Remove the pickup and feed rollers



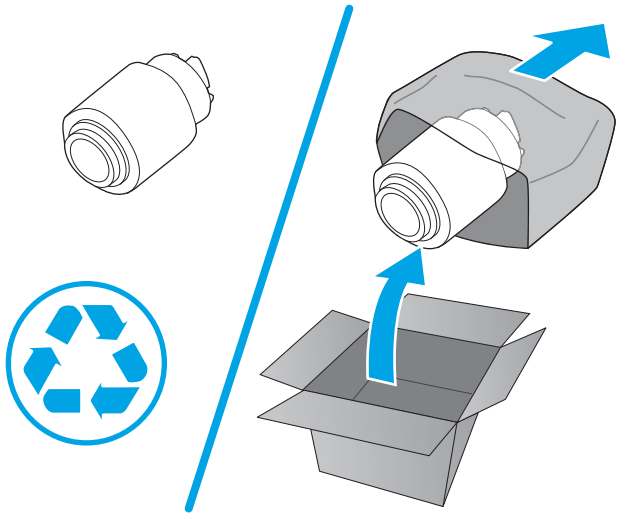

### Step 3: Unpack a replacement pickup roller and feed roller

Remove the new pickup roller and feed roller from their package. Save all packaging for recycling the used parts.

For complete information on HP's recycling programs, go to http://www8.hp.com/us/en/hp-information/environment/product-recycling.html.

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

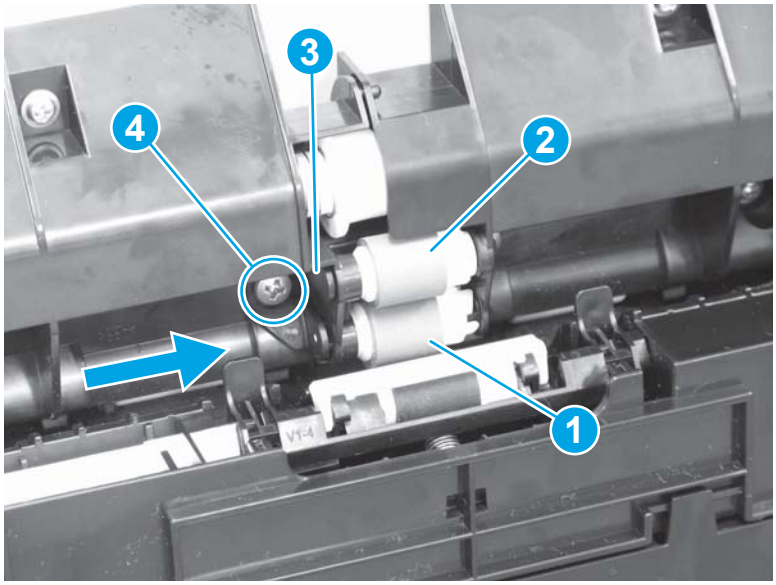
**Figure 1-12** Recycle and unpack



### Step 4: Install the Tray 2 paper pickup roller and feed roller assembly

- Turn the printer front side up, so that it is resting on the rear door or duplexer. On the underside of the printer, set the feed roller (callout 1) and the pickup roller (callout 2) in place. Slide the two-pronged shaft assembly (callout 3) in the direction indicated, and then install one M4 tapping screw (callout 4).

**Figure 1-13** Install the pickup and feed rollers




### Step 5: Install Tray 2

- Align Tray 2 with the tray cavity, and then push the tray into the printer.

**Figure 1-14** Install Tray 2

## Removal and replacement: Tray 2 separation roller


- Introduction
- Step 1: Remove Tray 2
- Step 2: Remove the Tray 2 separation roller assembly
- Step 3: Unpack a replacement separation roller
- Step 4: Install the Tray 2 separation roller assembly
- Step 5: Install Tray 2


## Introduction

This document provides the procedures to remove and replace the Tray 2 separation roller.

## Before you begin

- Turn off the printer.
- 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 to order the part.

| Tray 2 separation roller kit part number | |
|---|---|
| **RM2-5881-000CN** | Tray 2 separation roller with instruction guide |

## Required tools

- #2 Phillips screwdriver with a magnetic tip

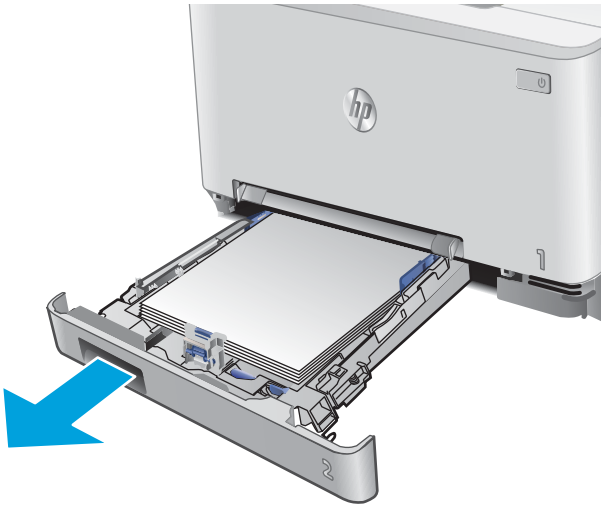
## After performing service

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

## Step 1: Remove Tray 2

▲ Using the handle on the face of Tray 2, pull the tray completely out of the printer.

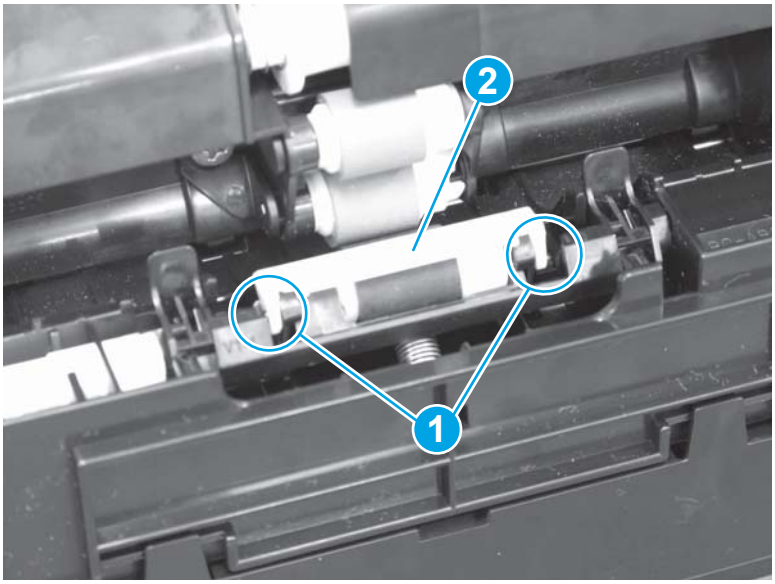
**Figure 1-15** Remove Tray 2



### Step 2: Remove the Tray 2 separation roller assembly

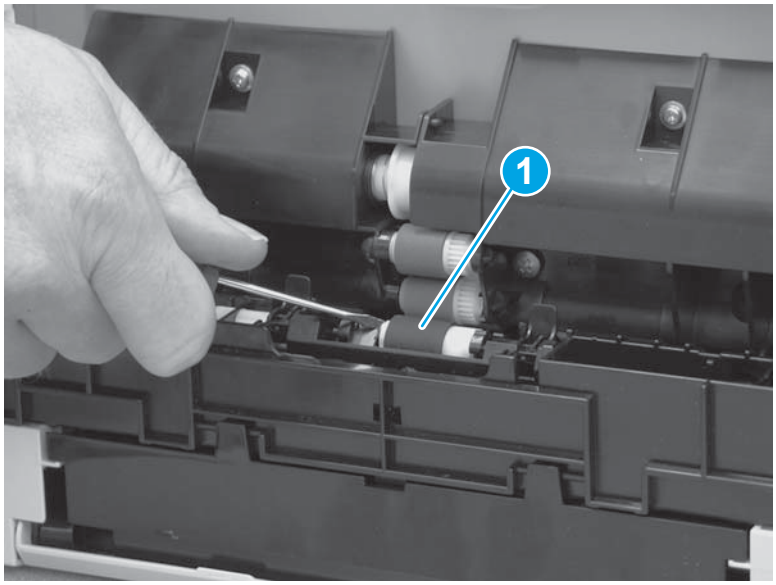
1. Turn the printer front side up, so that it is resting on the rear door or duplexer. On the underside of the printer, release two tabs (callout 1), and then remove the roller cover (callout 2).

**Figure 1-16** Remove the separation roller (1 of 2)



2. Pull the left side of the roller (callout 1) first to remove it from the chassis.

**Figure 1-17** Remove the separation roller (2 of 2)



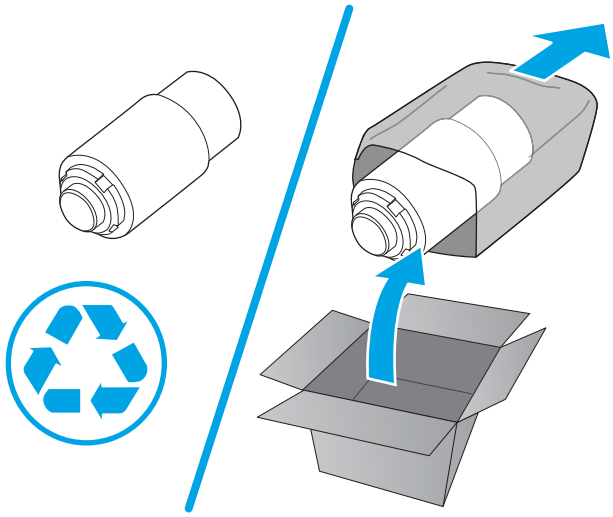

### Step 3: Unpack a replacement separation roller

Remove the new separation roller from its package. Save all packaging for recycling the used part.

For complete information on HP's recycling programs, go to http://www8.hp.com/us/en/hp-information/environment/product-recycling.html.

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

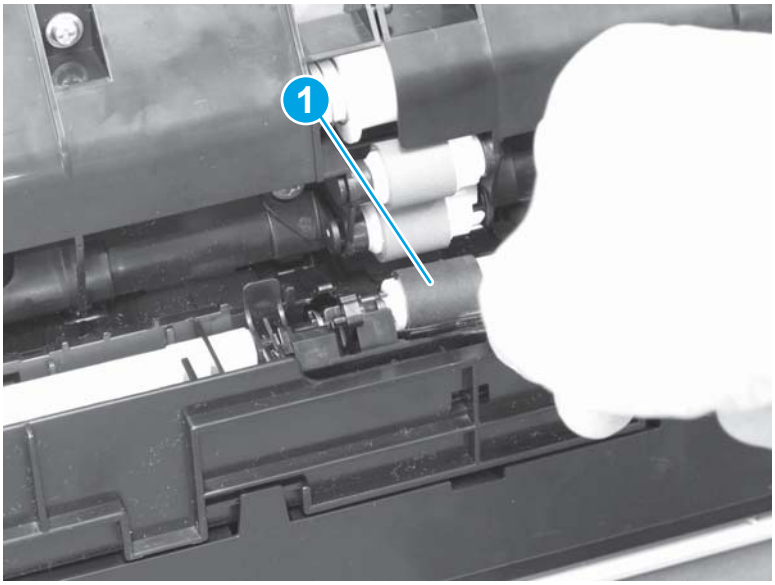
**Figure 1-18** Recycle and unpack



### Step 4: Install the Tray 2 separation roller assembly

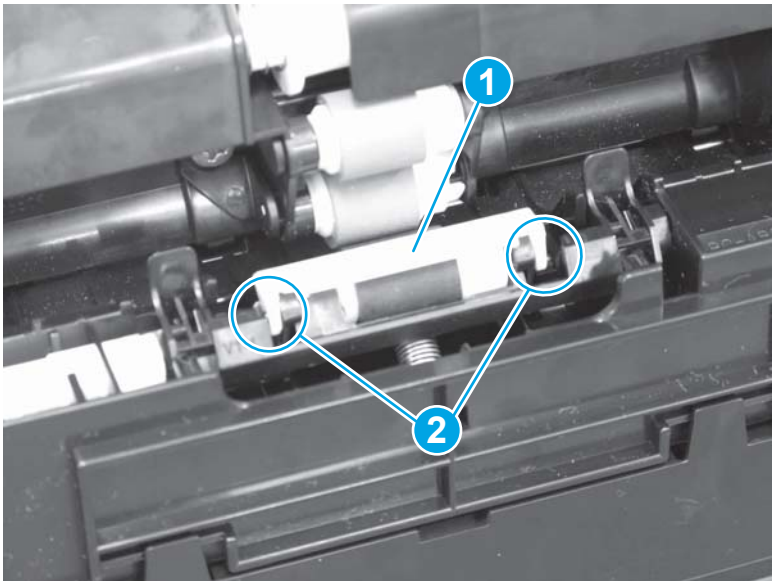
1. Turn the printer front side up, so that it is resting on the rear door or duplexer. On the underside of the printer, insert the right side of the roller (callout 1) first to set it in the chassis.

**Figure 1-19** Remove the separation roller (1 of 2)




2. Set the roller cover (callout 1) in place, and then engage two tabs (callout 2) to affix the cover to the roller assembly.

**Figure 1-20** Install the separation roller (2 of 2)




### Step 5: Install Tray 2

- Align Tray 2 with the tray cavity, and then push the tray into the printer.

**Figure 1-21** Install Tray 2