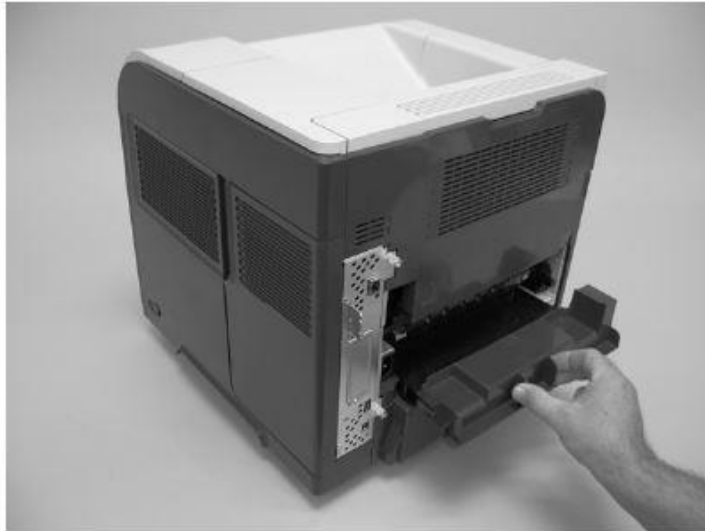


# HP LaserJet Enterprise M601, M602, M603 - Fuser Drive Gear (HP Part #: RM1-8418-000CN) Install Guide (Service Manual Supplement)

## Duplex accessory or cover

Pull the duplex accessory or cover out, slightly lift up, and then pull it completely out of the product to remove it.

**Figure 2-37** Remove the duplex accessory cover




**Figure 2-38** Remove the duplex accessory



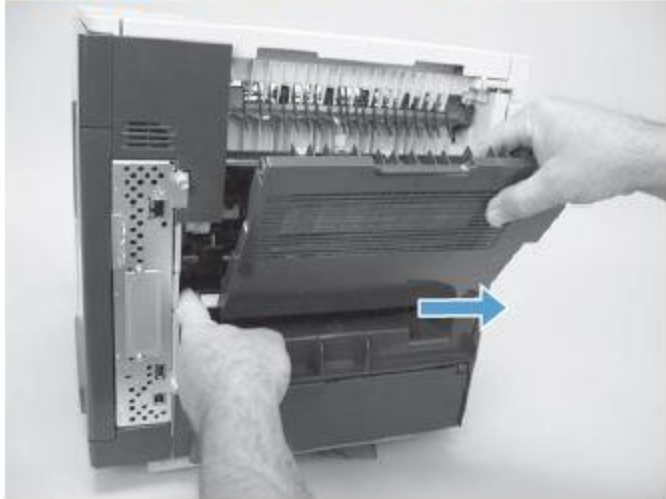
Rear output bin

## Rear output bin

 **NOTE:** If the duplexer is installed, lift it up slightly and pull it away from the product to remove it.

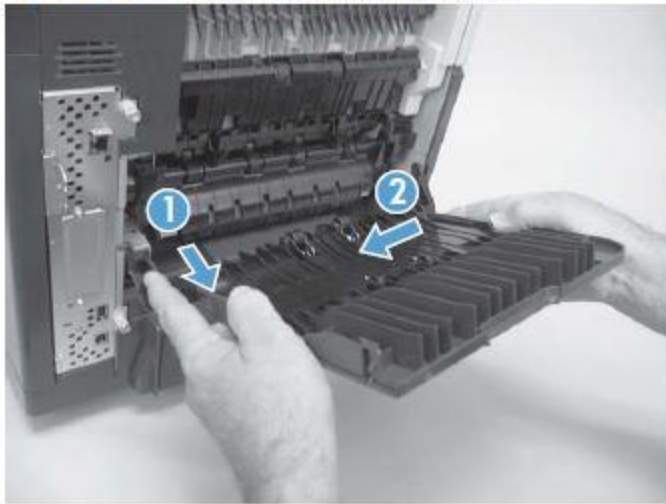
1. Open the rear output bin.
2. Squeeze the hinge pin out of its mounting hole.

**Figure 2-32** Remove the rear output bin (1 of 2)



3. Rotate the output bin away from the product until the right hinge pin is released, and then remove the output bin.

**Figure 2-33** Remove the rear output bin (2 of 2)



Tray 2 extension door

## Tray 2 extension door

Before proceeding, remove the following components:

- Duplex accessory, or the duplex accessory cover. See [Duplex accessory or cover on page 90](#).

### Remove the Tray 2 extension door

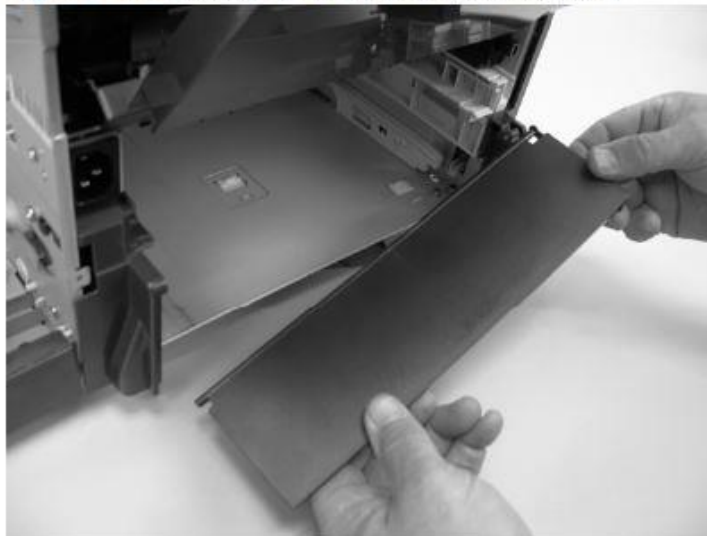
1. Carefully flex the Tray 2 extension door to release the hinge pin near the power cord side of the product.

**Figure 2-39** Remove the Tray 2 extension door (1 of 2)



2. Rotate the Tray 2 extension door to the horizontal position, and then pull up on the keyed hinge pin to release the door. Remove the Tray 2 extension door.

**Figure 2-40** Remove the Tray 2 extension door (2 of 2)



Fuser:

## Fuser

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

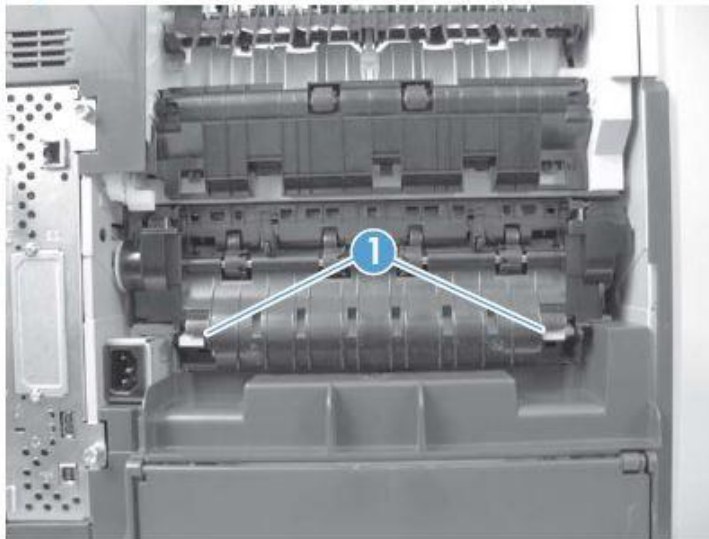
**Before proceeding, remove the following components:**

- Rear output bin. See [Rear output bin on page 87](#).
- Duplex accessory or cover. See [Duplex accessory or cover on page 90](#).

## Remove the fuser

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

**Figure 2-10** Remove the fuser (1 of 2)



Remove the formatter:

**Figure 2-13** Remove the formatter cover and formatter cage (2 of 3)



Carefully slide the formatter cage away from the product to remove it.


**NOTE:** If you installing a replacement formatter, transfer the hard drive and memory DIMM (if installed) to the replacement formatter. See [Hard drive on page 74](#) and [Memory DIMM on page 80](#).

**Figure 2-14** Remove the formatter cover and formatter cage (3 of 3)





Remove the top cover:

## Remove the top cover

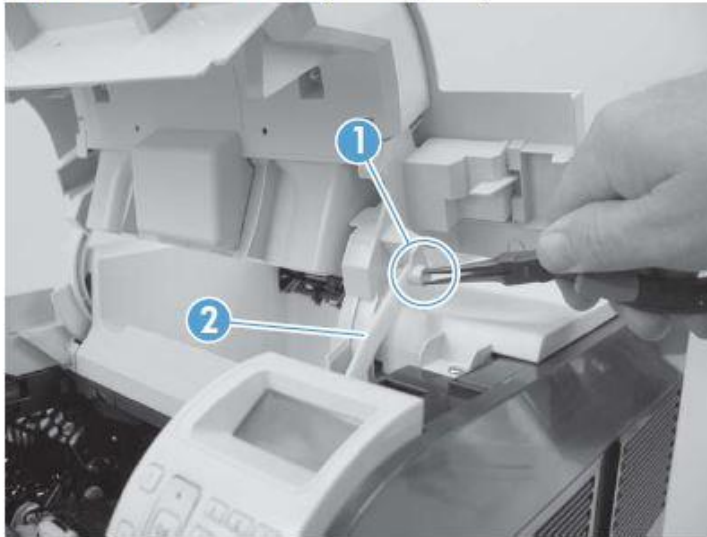
 **NOTE:** If the optional stapler/stacker or stacker accessory is installed, lift it straight up and off of the product to remove it. Then proceed to step 2.

1. Open the rear-output bin, the print-cartridge door, and the front cover.
2. Use needle-nose pliers to release the print-cartridge drive-arm tab (callout 1).

 **CAUTION:** The print-cartridge drive-arm tab is easily broken.

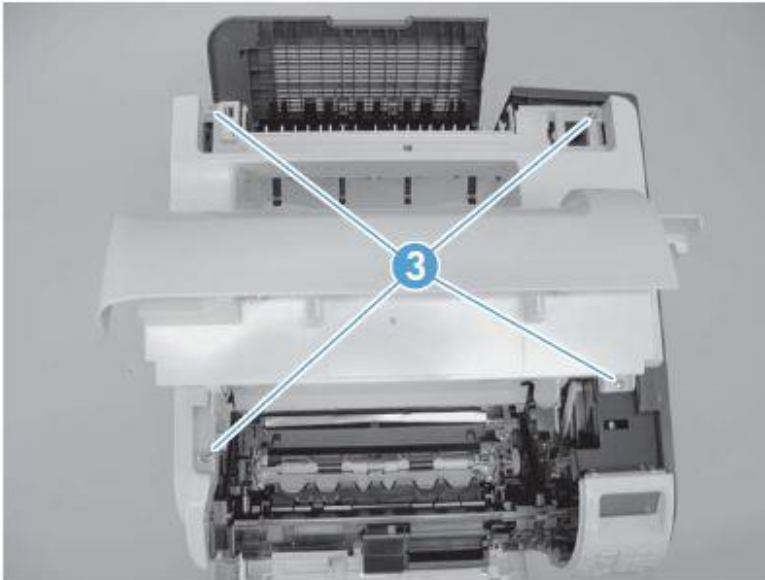
 **TIP:** Push the print-cartridge drive-arm (callout 2) back into the product to avoid damaging it when you remove the top cover.

**Figure 2-41** Remove the top cover (1 of 4)




3. Remove four screws (callout 3).

**Figure 2-42** Remove the top cover (2 of 4)



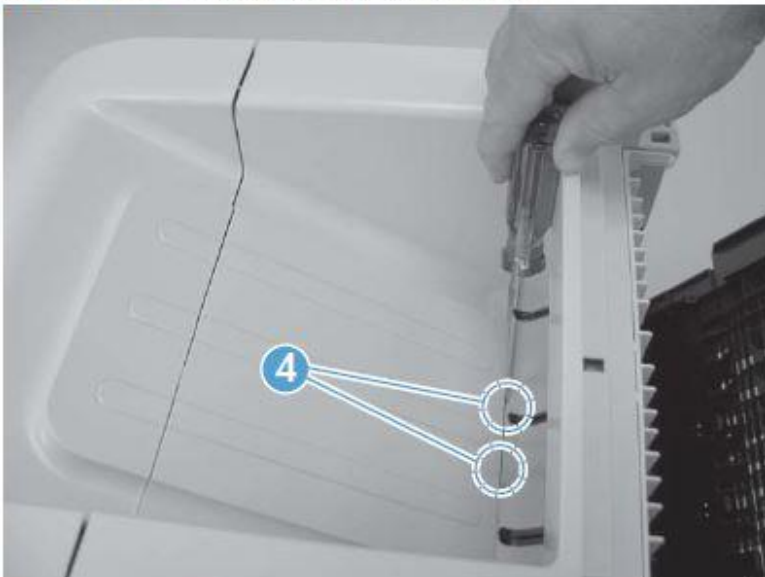
4. Partially close the print-cartridge door, and then use a small flat blade screwdriver to release two tabs (callout 4).

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 **NOTE:** Make sure that these tabs are fully seated when the top cover is reinstalled.

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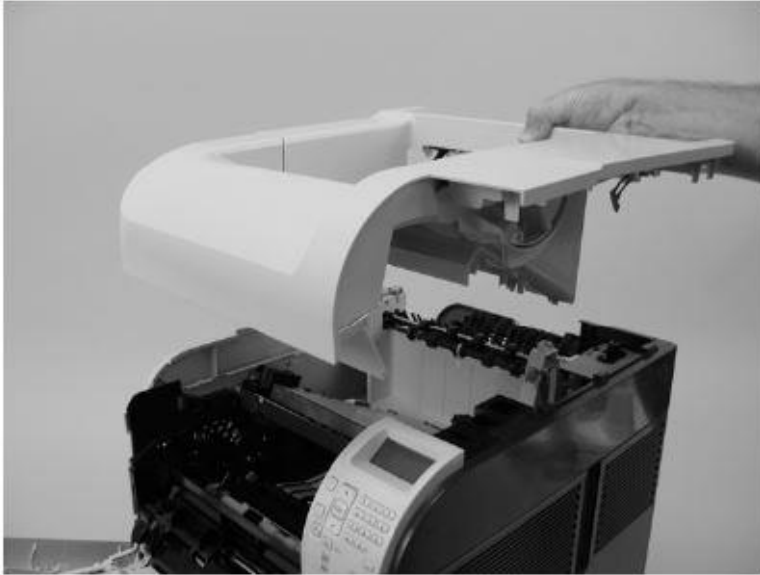
**Figure 2-43** Remove the top cover (3 of 4)



5. Lift the top cover up and off of the product to remove it.

**⚠ CAUTION:** The accessory pin (located in the left-rear corner of the cover) is not captive. Do not lose the pin.

**Figure 2-44** Remove the top cover (4 of 4)



Remove the right cover:



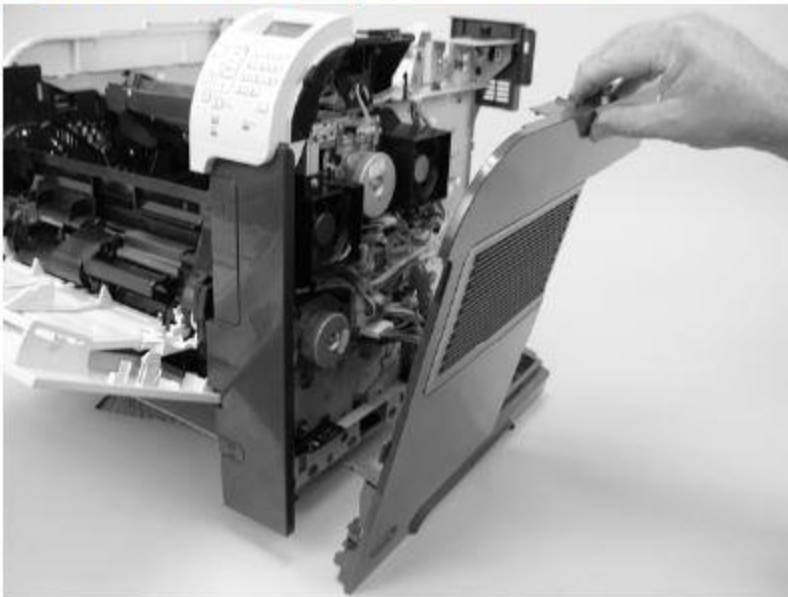
2. Carefully separate the cover from the product near the control panel.

**Figure 2-46** Remove the right-side cover (2 of 3)



3. Rotate the top of the cover away from the product, and then lift the cover up to remove it.

**Figure 2-47** Remove the right-side cover (3 of 3)



Remove the left cover:

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## Left-side cover

Before proceeding, remove the following components:

- Tray 2 extension door. See [Tray 2 extension door on page 91](#).

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 **NOTE:** If Tray 2 was not removed prior to servicing the product, remove it now.

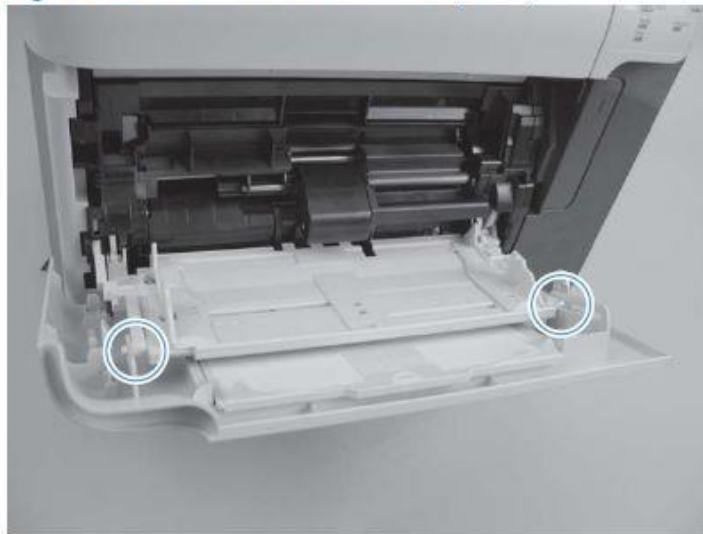
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- Top accessory cover. See [Top-accessory cover on page 88](#).
- Duplex accessory cover. See [Duplex accessory or cover on page 90](#).
- Top cover. See [Top cover on page 92](#).

### Remove the left-side cover

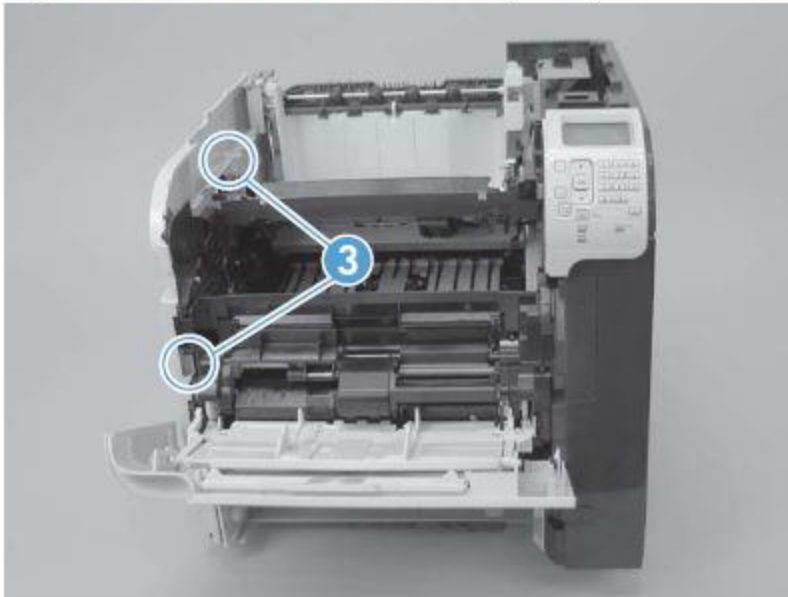
1. Gently pry the front-cover retainers off of the Tray 1 arms.

**Figure 2-49** Remove the left-side cover (1 of 3)



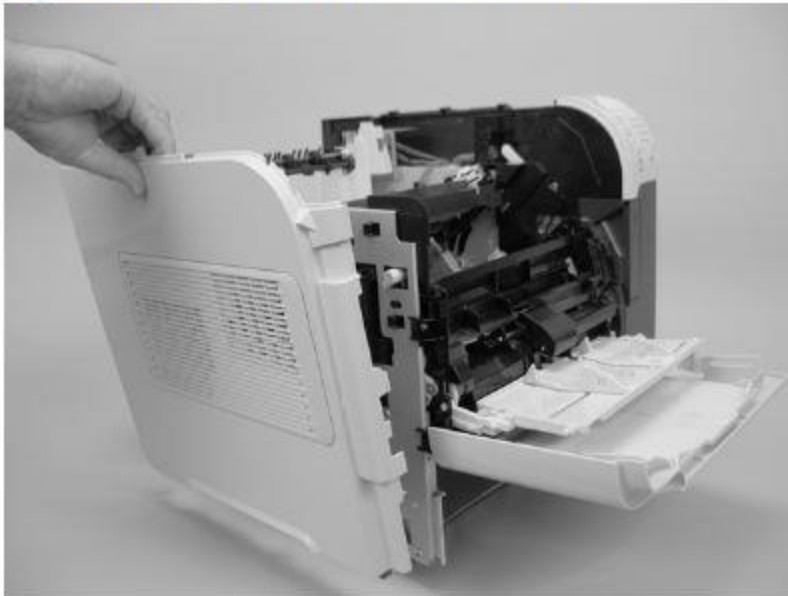
2. Release two tabs (callout 3), and then rotate the top of the cover away from the product and lift the cover up to remove it.

**Figure 2-50** Remove the left-side cover (2 of 3)



3. Rotate the top of the cover away from the product and lift the cover up to remove it.

**Figure 2-51** Remove the left-side cover (3 of 3)



Remove power:

## High voltage power supply

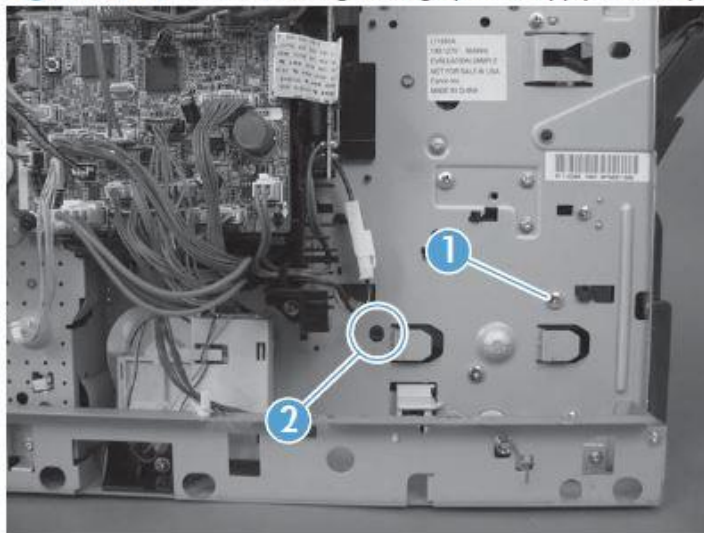
**⚠ CAUTION:**  ESD sensitive component.

- Top accessory cover. See [Top-accessory cover on page 88](#).
- Duplex accessory or cover. See [Duplex accessory or cover on page 90](#).
- Tray 2 extension door. See [Tray 2 extension door on page 91](#).
- Rear output bin. See [Rear output bin on page 87](#).
- Fuser. See [Fuser on page 70](#).
- Formatter cover and cage. See [Formatter cover and formatter cage on page 71](#).
- Top cover. See [Top cover on page 92](#).
- Right-side cover. See [Right-side cover on page 95](#).
- Left-side cover. See [Left-side cover on page 98](#).

### Remove the high-voltage power-supply assembly

1. Remove one screw (callout 1), release one tab (callout 2), and then slide the power-supply PCA guide towards the rear of the product to remove it.

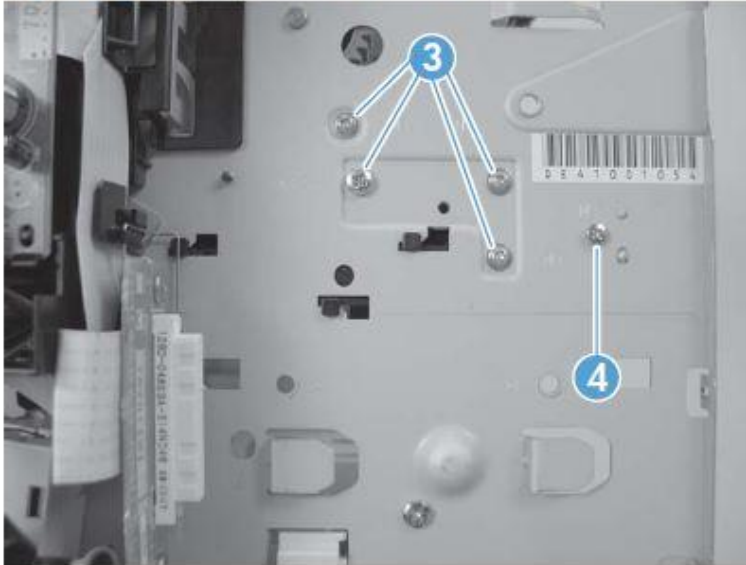
**Figure 2-113** Remove the high-voltage power-supply assembly (1 of 7)



2. Remove four screws (callout 3) and one grounding screw (callout 4).

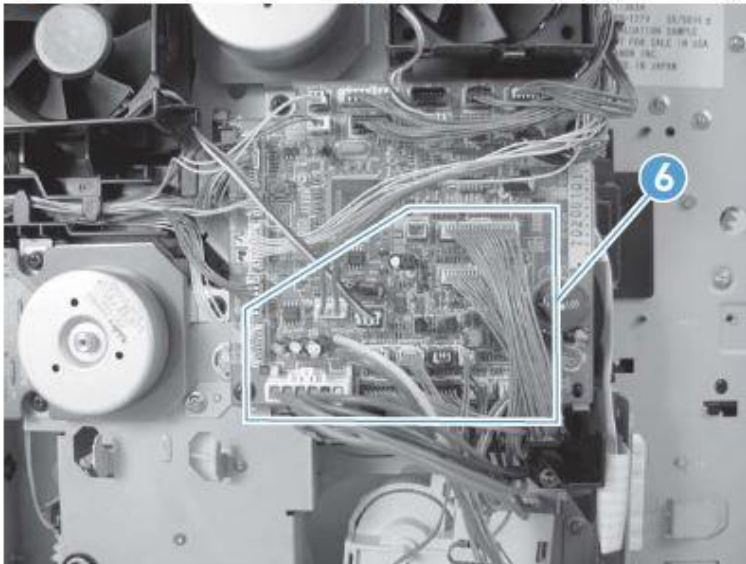
**⚠ WARNING!** When reinstalling the power supply, you must use a grounding screw to secure the AC outlet to the product chassis.

**Figure 2-114** Remove the high-voltage power-supply assembly (2 of 7)



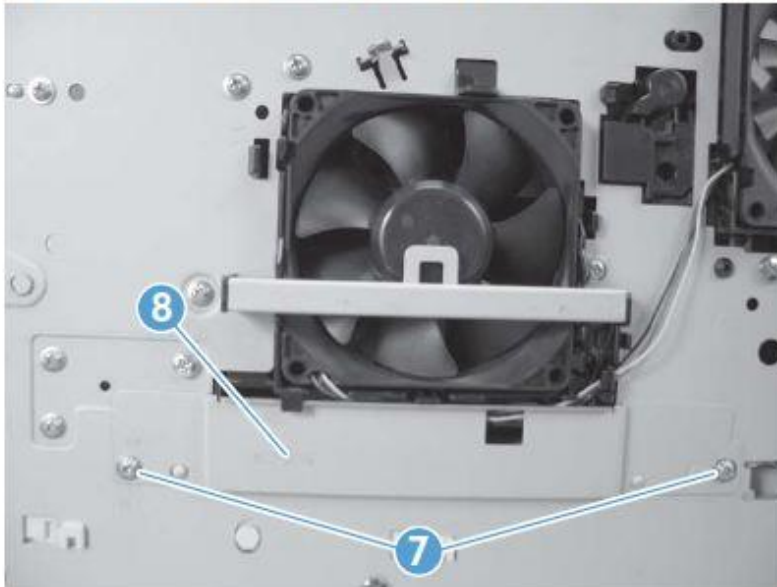
3. Disconnect five wire-harness connectors (callout 6; J82, J84, J85, J95, and J96).

**Figure 2-115** Remove the high-voltage power-supply assembly (3 of 7)



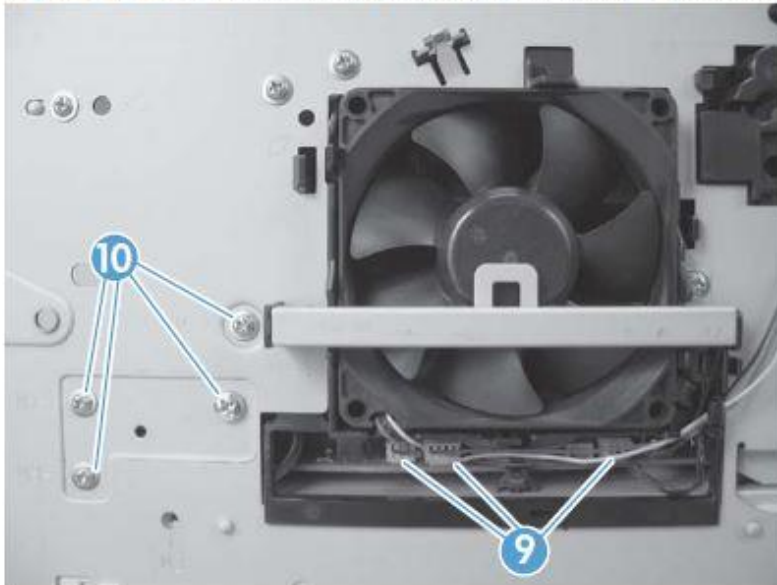
4. Remove two screws (product left side; callout 7) and then remove the fan-cover plate (callout 8).

**Figure 2-116** Remove the high-voltage power-supply assembly (4 of 7)



5. Disconnect three wire-harness connectors (product left side; callout 9) and then remove four screws (callout 10).

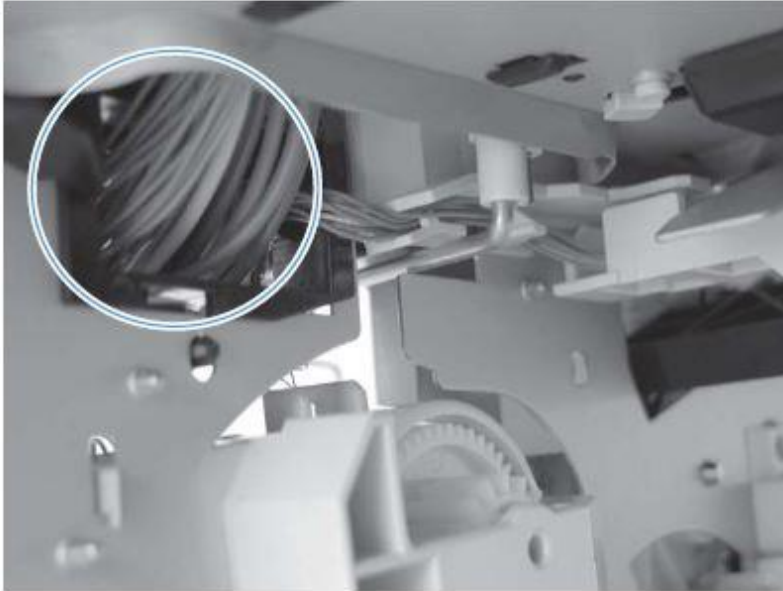
**Figure 2-117** Remove the high-voltage power-supply assembly (5 of 7)



6. Feed the cables that were disconnected earlier through the hole in the right side of the chassis under the power-supply assembly.

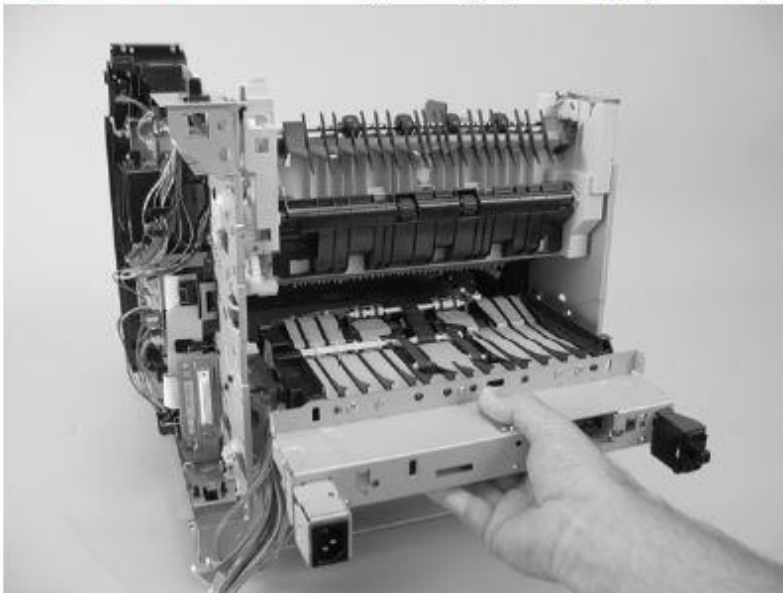
**CAUTION:** Make sure that the four rubber belts and plastic rollers on the feed-guide assembly (mounted to the top of the power supply) remain in place. These belts and rollers can easily become dislodged and you might lose them.

**Figure 2-118** Remove the high-voltage power-supply assembly (6 of 7)



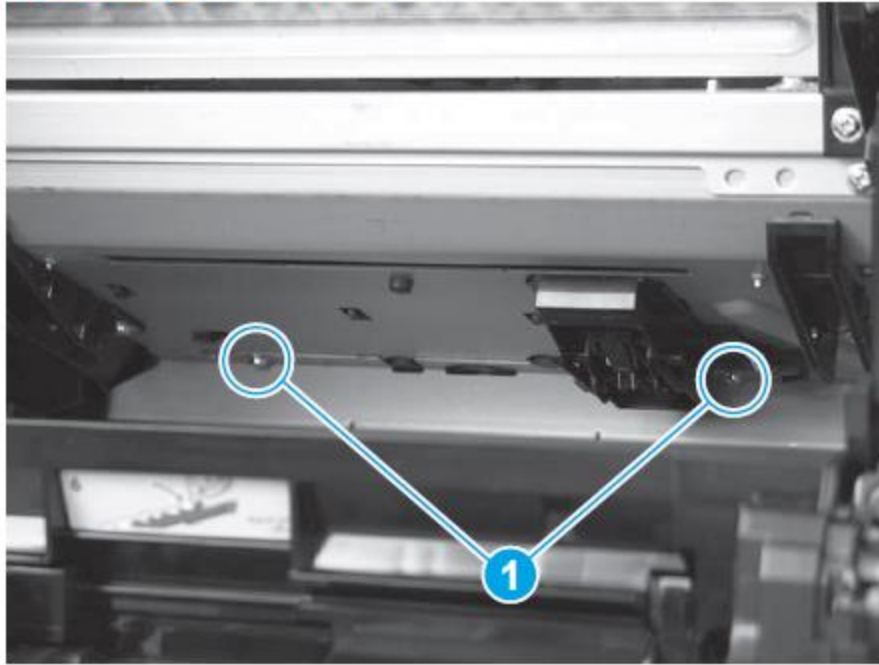
7. Grasp the power-supply assembly and lift it up slightly. Pull it straight out of the chassis.

**Figure 2-119** Remove the high-voltage power-supply assembly (7 of 7)



Remove cross member and fuser gears:

**Figure 1-2263** Remove two screws

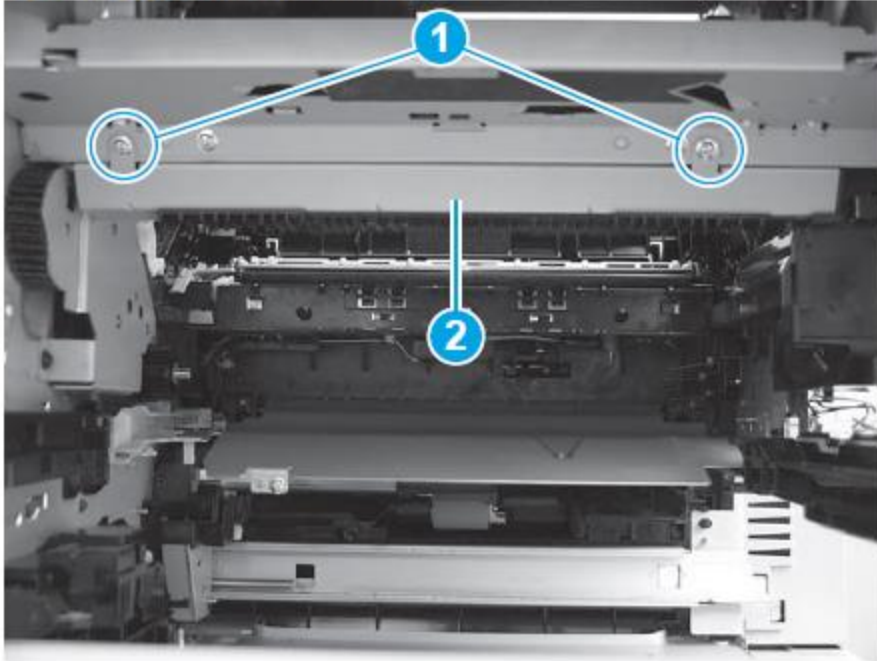




At the back of the printer, remove two screws (callout 1).

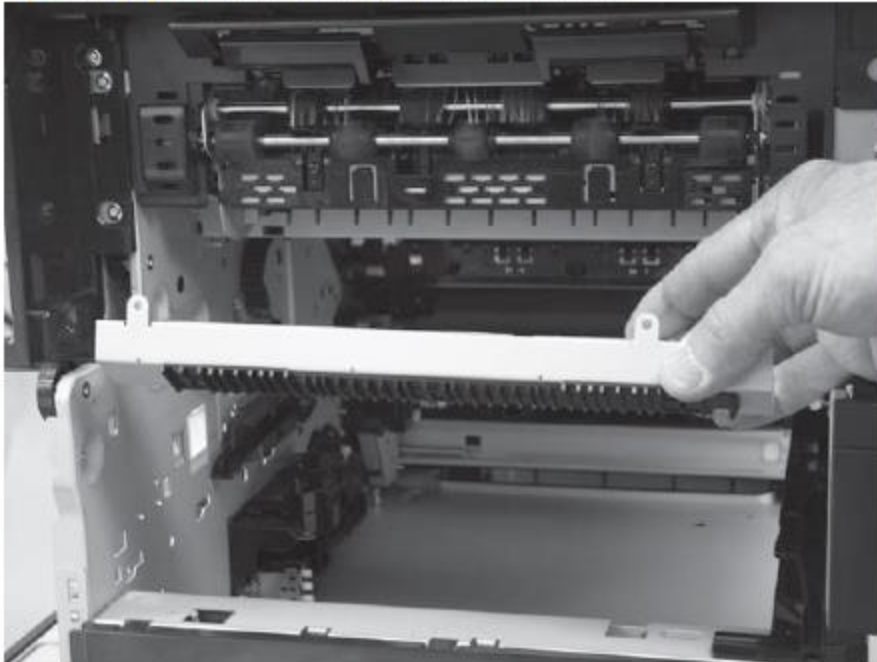
**NOTE:** Support the sheet-metal crossbar (callout 2) when removing these screws.

**Figure 1-2264** Remove two screws



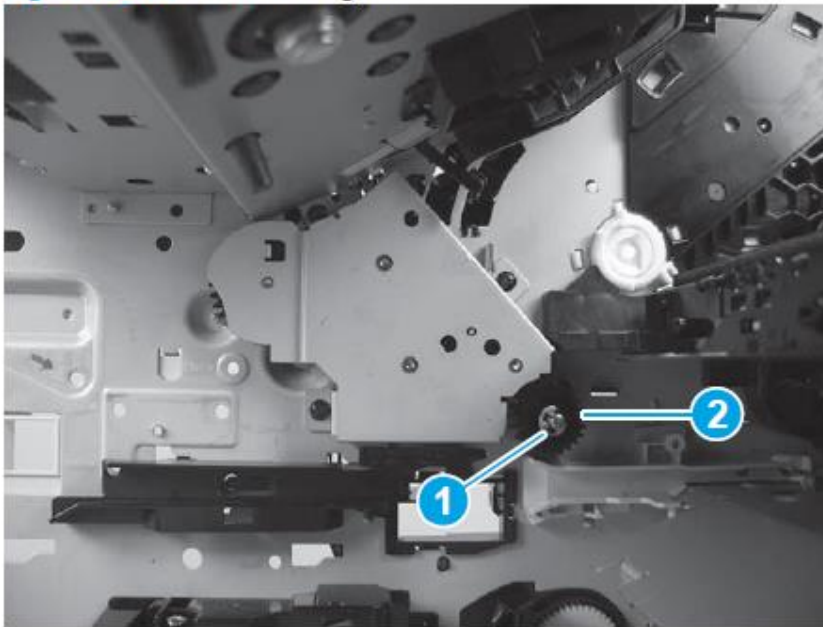
Remove the sheet-metal crossbar.

**Figure 1-2265** Remove the sheet-metal crossbar



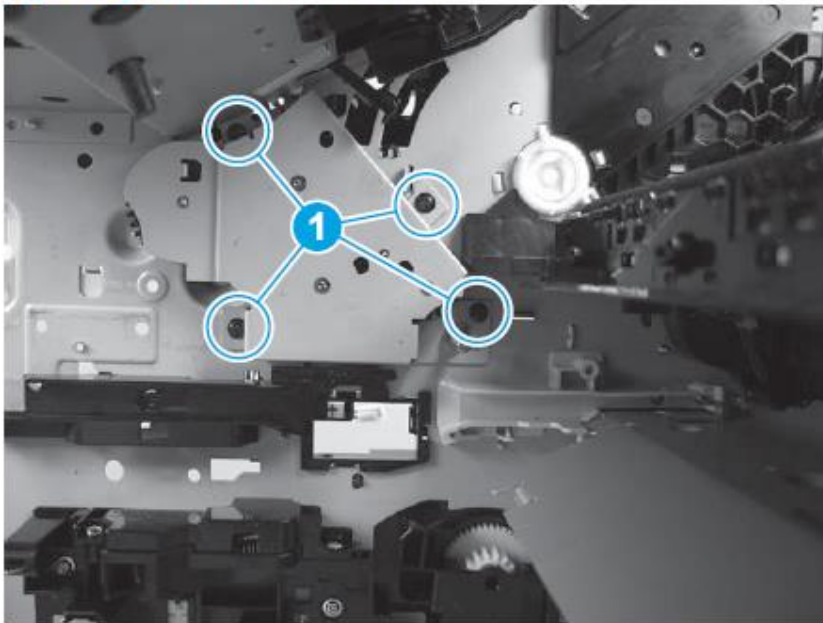
At the front of the printer, look into the chassis. Locate the fuser drive assembly on the right wall of the chassis, remove one e-ring (callout 1), and then remove one black gear (callout 2).

**Figure 1-2266** Remove one gear



Remove four screws (callout 1).

**Figure 1-2267** Remove four screws



Remove the fuser drive gears, recycle and install the new fuser drive gears and step backwards through these steps.