iPhone 8 Plus Rear-Facing Cameras Replacement

Replace the dual, rear-facing camera assembly in the iPhone 8 Plus.

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INTRODUCTION

Use this guide to remove and replace the dual rear cameras in the iPhone 8 Plus. The rear camera assembly consists of two individual modules: one wide-angle camera and one telephoto camera.

Note: This guide instructs you to completely detach the display cables and remove the display assembly in order to better access the rear cameras—however, it's possible to remove and replace the rear cameras with the display cables still connected. Advanced readers may skip disconnecting the display in order to save time, as long as the display is properly supported and the display cables are not damaged.

TOOLS:

- P2 Pentalobe Screwdriver iPhone (1)
- iOpener (1)
- Suction Handle (1)
- iFixit Opening Picks set of 6 (1)
- Spudger (1)
- Tweezers (1)
- Phillips #000 Screwdriver (1)
- Tri-point Y000 Screwdriver Bit (1)
- Standoff Screwdriver for iPhones (1)
- iFixit Opening Tools (1)

PARTS:

- iPhone 8 Plus Dual Rear Camera (1)
- iPhone 8 Plus Rear Camera Connector Bracket (1)
- iPhone 8 Plus Display Assembly Adhesive (1)

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Step 1 — Pentalobe Screws

⚠️ Before you begin, discharge your iPhone battery below 25%. A charged lithium-ion battery can catch fire and/or explode if accidentally punctured.

● Power off your iPhone before beginning disassembly.

● Remove the two 3.5 mm pentalobe screws from the bottom edge of the iPhone.

ⓘ Opening the iPhone's display will compromise its waterproof seals. Have replacement seals ready before you proceed past this step, or take care to avoid liquid exposure if you reassemble your iPhone without replacing the seals.

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Step 2 — Opening Procedure

(i) Heating the lower edge of the iPhone will help soften the adhesive securing the display, making it easier to open.

● Use a hairdryer or [prepare an iOpener](#) and apply it to the lower edge of the iPhone for about 90 seconds in order to soften up the adhesive underneath.
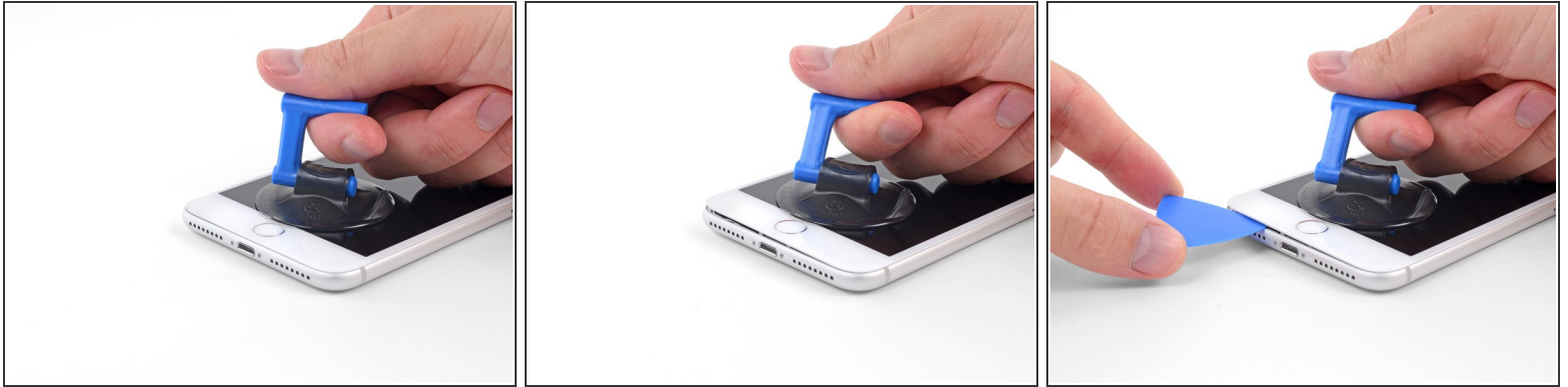
Step 3

- Apply a suction cup to the lower half of the front panel, just above the home button.

  - (i) Be sure the suction cup does not overlap with the home button, as this will prevent a seal from forming between the suction cup and front glass.

  - (i) If your display is badly cracked, covering it with a layer of clear packing tape may allow the suction cup to adhere. Alternatively, very strong tape may be used instead of the suction cup. If all else fails, you can superglue the suction cup to the broken screen.

Step 4

- Pull up on the suction cup with firm, constant pressure to create a slight gap between the front panel and rear case.

- Insert an opening pick or other thin pry tool a few millimeters into the gap.

  - ⓘ The watertight adhesive holding the display in place is very strong; creating this initial gap takes a significant amount of force. If you're having a hard time opening a gap, apply more heat, and gently rock the screen up and down to weaken the adhesive until you create enough of a gap to insert your tool.

Step 5

- Slide your pick around the corner and up the left edge of the phone, moving towards the volume control buttons and silent switch, breaking up the adhesive holding the display in place.

- Stop near the top left corner of the display.

Step 6

- Re-insert your tool at the lower right corner of the iPhone, and slide it around the corner and up the right side of the phone to separate the adhesive.

  ⚠️ Don't insert the pick very far, or you may damage the display cables along this side of the iPhone. Insert it only a few millimeters, or about the width of the display bezel.

Step 7

- Gently pull up on the suction cup to lift up the bottom edge of the display.

⚠️ **Do not raise the display more than 15º** or you'll risk straining or tearing the ribbon cables connecting the display.

Step 8

- Pull on the small nub on the suction cup to remove it from the front panel.

Step 9

- Slide an opening pick underneath the display along the top edge of the phone to loosen the last of the adhesive.
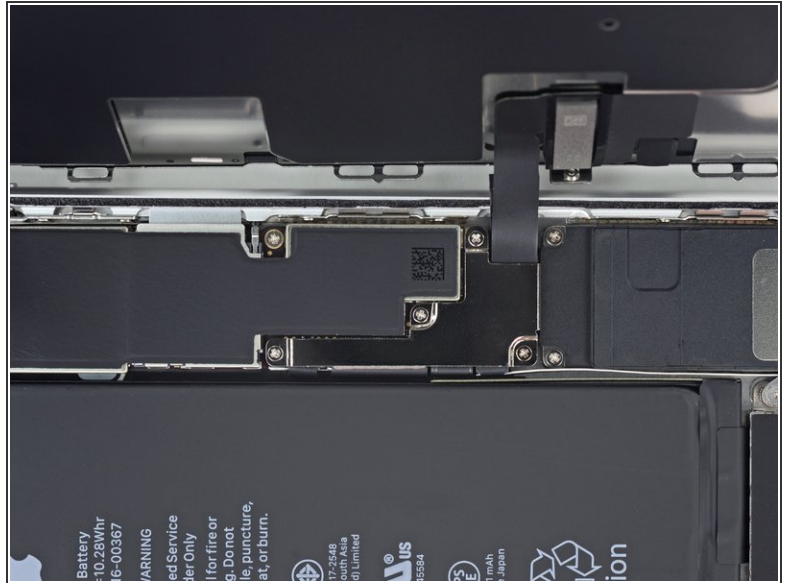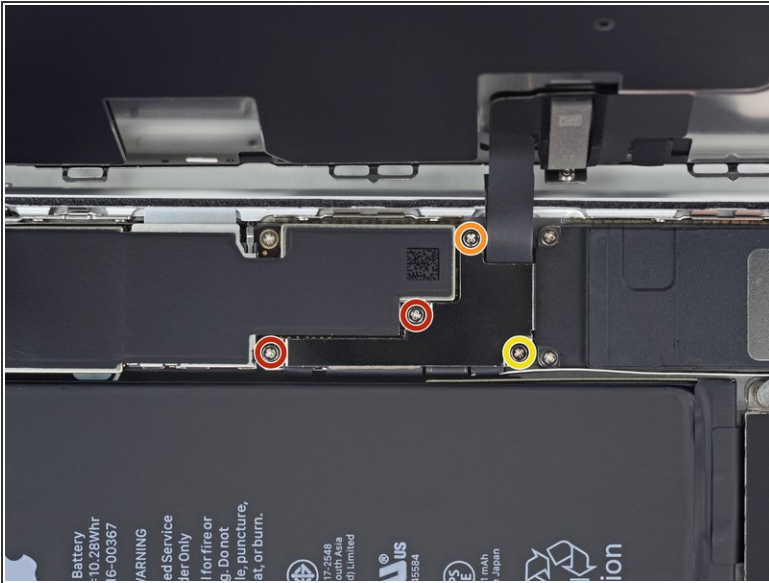
Step 10

- Slide the display assembly slightly down (away from the top edge of the phone) to disengage the clips holding it to the rear case.
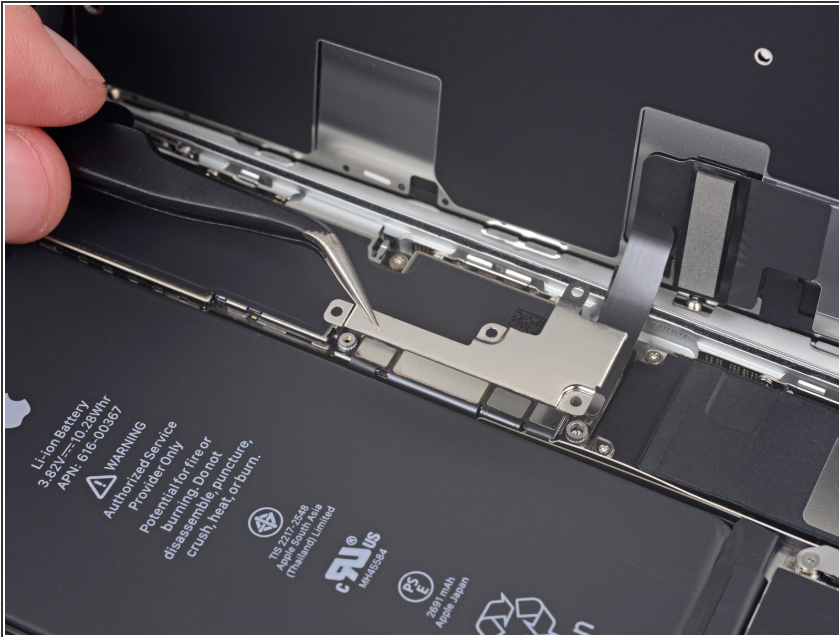
Step 11

- Open the iPhone by swinging the display up from the left side, like the back cover of a book.

  ⚠️ Don't try to fully separate the display yet, as several fragile ribbon cables still connect it to the iPhone's logic board.

- Lean the display against something to keep it propped up while you're working on the phone.
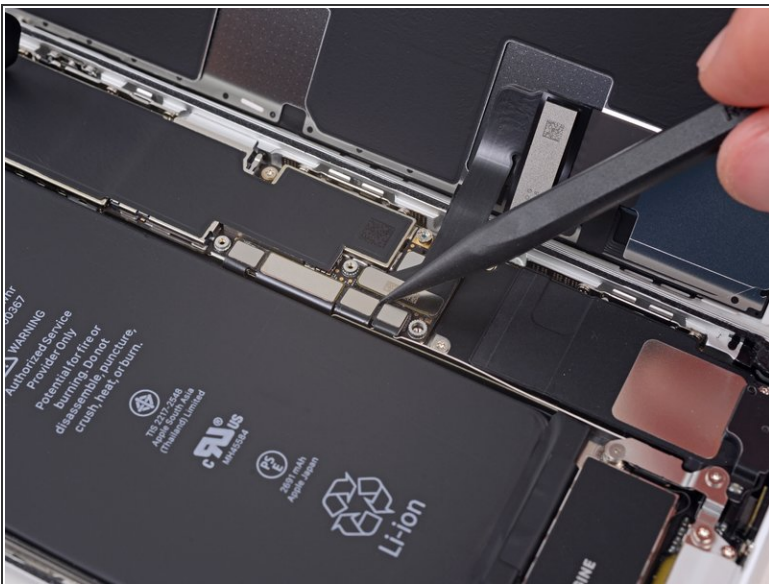
Step 12 — Battery Disconnection

- Remove four Phillips (JIS) screws securing the lower display cable bracket to the logic board, of the following lengths:
  - Two 1.3 mm screws
  - One 1.4 mm screw
  - One 2.7 mm screw

- 📌 Throughout this guide, [keep careful track of your screws](#) so that each one goes back where it came from during reassembly. Installing a screw in the wrong place can cause permanent damage.

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Step 13

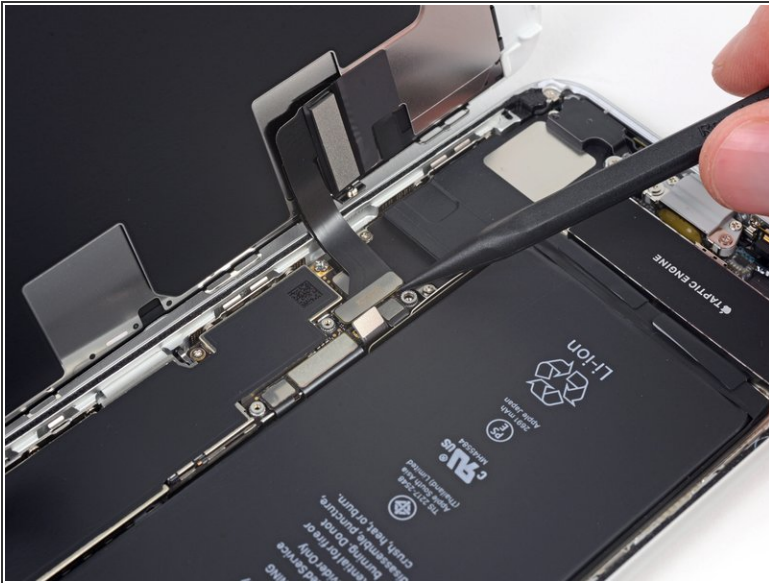- Remove the lower display cable bracket.

Step 14

- Use the point of a spudger to pry the battery connector up from its socket on the logic board.

- Bend the connector cable up slightly to prevent it from accidentally making contact with the socket and providing power to the phone during your repair.

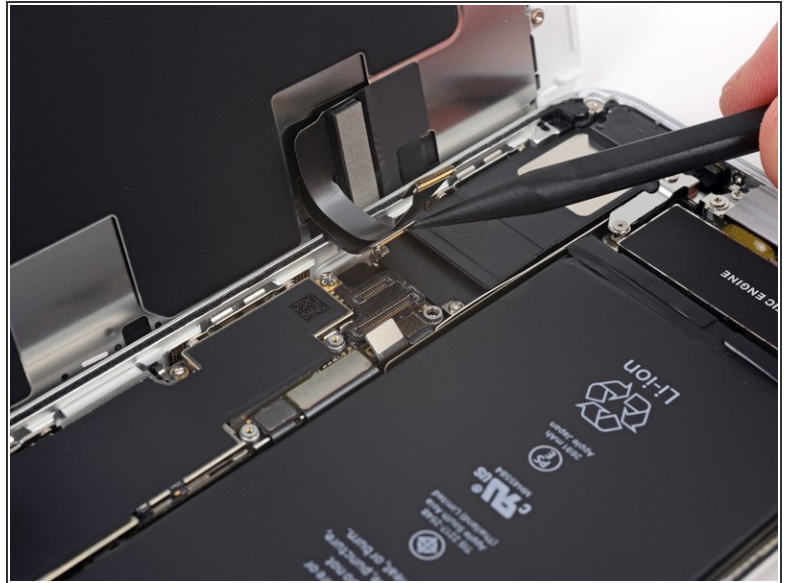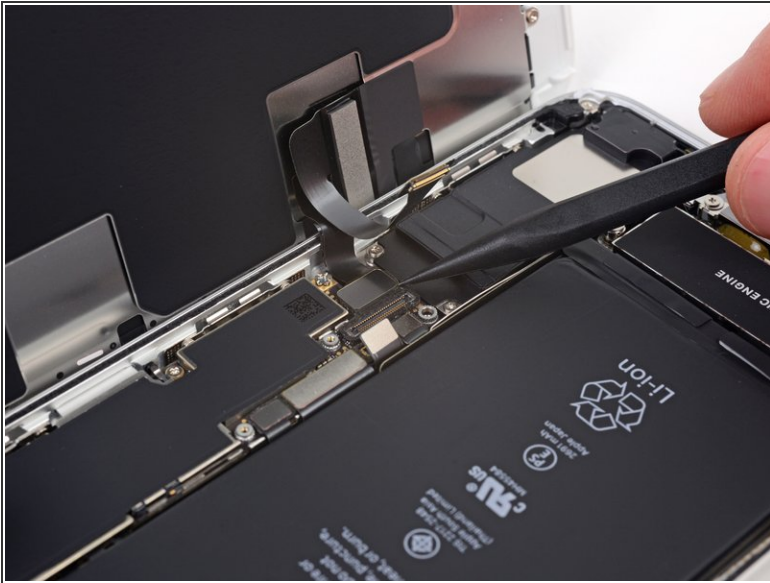This document was generated on 2020-04-14 04:17:42 AM (MST).

Step 15 — Display Assembly

- Use the tip of a spudger or a fingernail to disconnect the large lower display connector by prying it straight up from its socket.

- To re-attach press connectors like this one, press down on one side until it clicks into place, then repeat on the other side. Do not press down on the middle. If the connector is even slightly misaligned, the connector can bend, causing permanent damage.
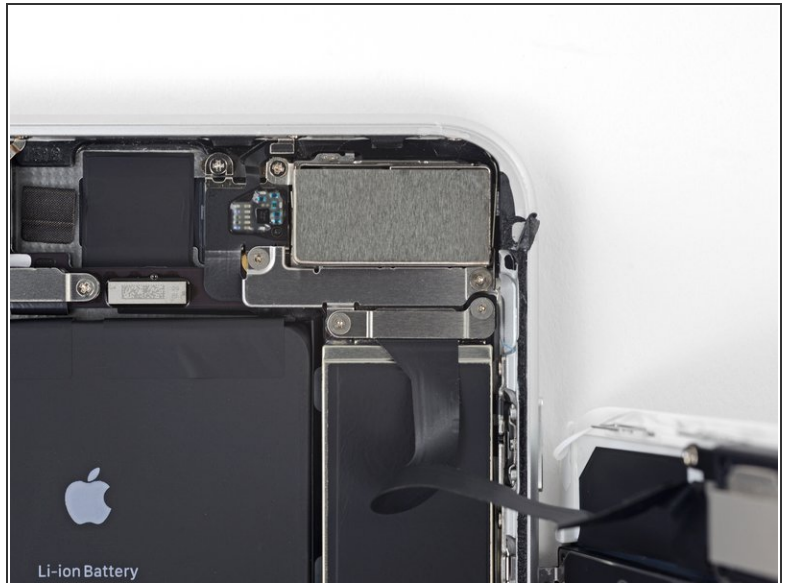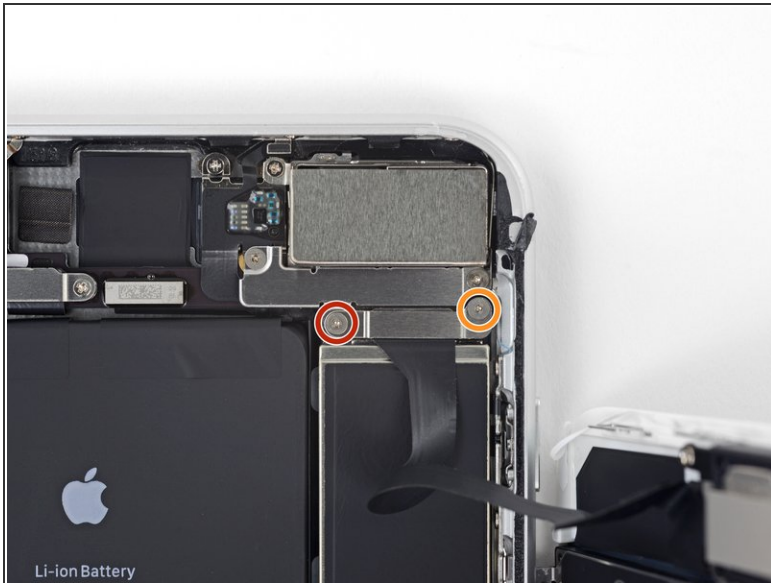
Step 16

- Disconnect the second lower display cable connector, directly behind the one you disconnected in the previous step.

Step 17

- Remove the two tri-point Y000 screws securing the bracket over the front panel sensor assembly connector:
  - One 1.0 mm screw
  - One 1.2 mm screw

Step 18

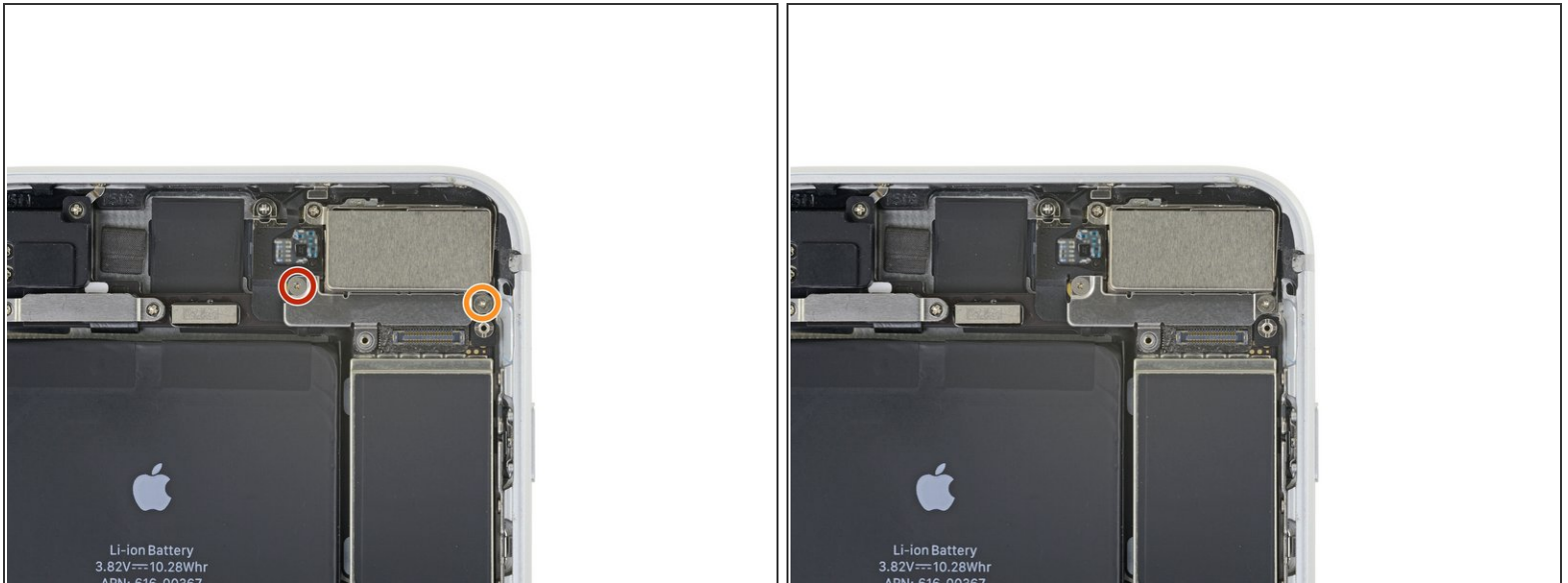- Remove the bracket covering the front panel sensor assembly connector.

Step 19

- Use the tip of a spudger or a fingernail to disconnect the front panel sensor assembly connector from its socket.

Step 20

- Remove the display assembly.

- During reassembly, pause here if you wish to replace the adhesive around the edges of the display.
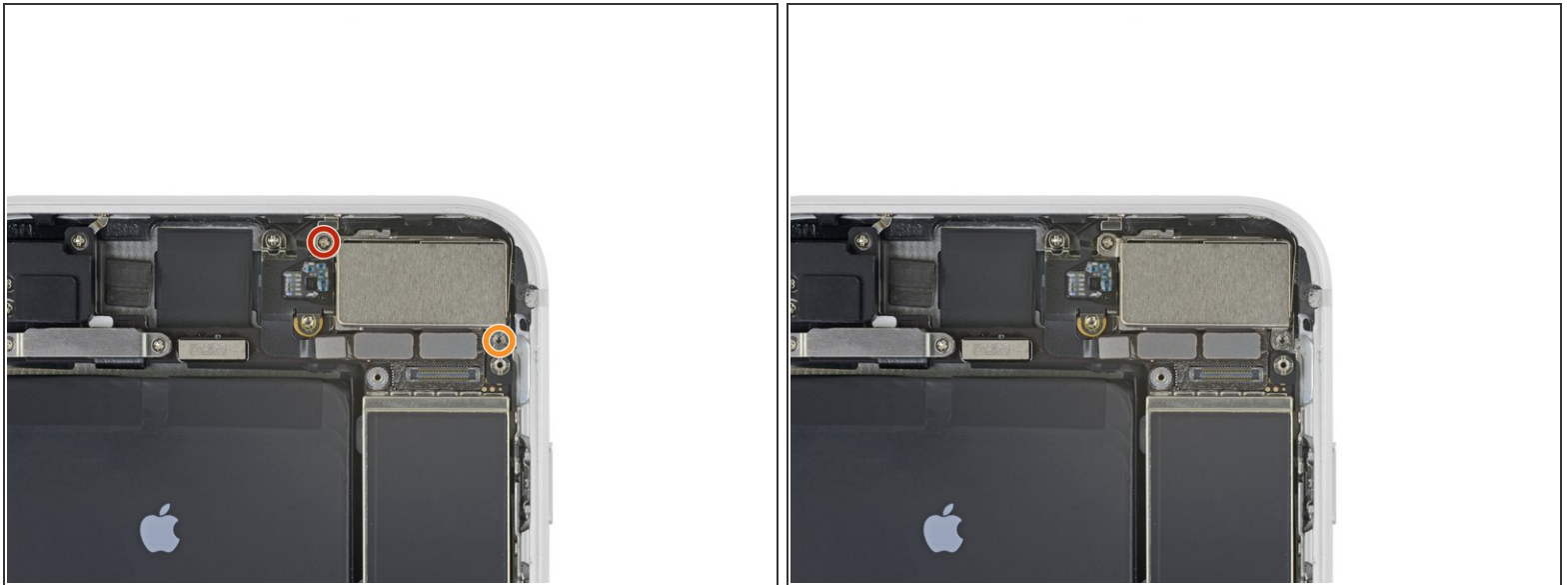
Step 21 — Rear-Facing Cameras

- Remove the two Y000 screws securing the rear camera connector cover bracket:

  - One 1.4 mm screw

  - One 1.4 mm (nonferrous) screw

    - 📌 This screw tends to not be attracted to a magnetized screwdriver. Make sure to reinstall it in the correct place—a magnetized screw may interfere with the compass.

Step 22

- Remove the bracket.

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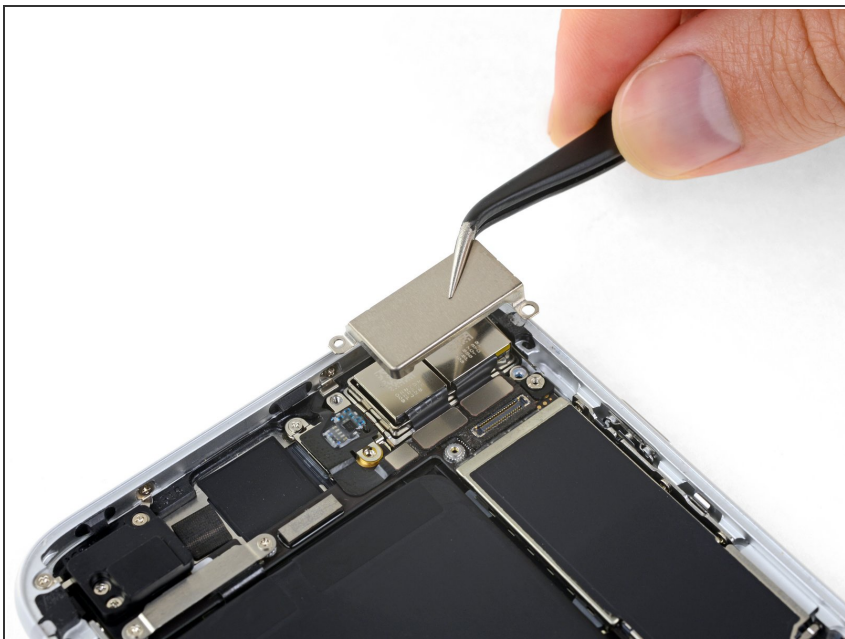
Step 23

- Remove the two screws securing the rear camera module cover plate:

  - One 1.8 mm Phillips screw

  - One 2.7 mm (nonferrous) standoff screw

    - ⓘ Standoff screws are best removed using an iPhone Standoff Screwdriver Bit and driver handle.

    - ⚠ In a pinch, a small flathead screwdriver will do the job—but use extra caution to ensure it doesn't slip and damage nearby components.
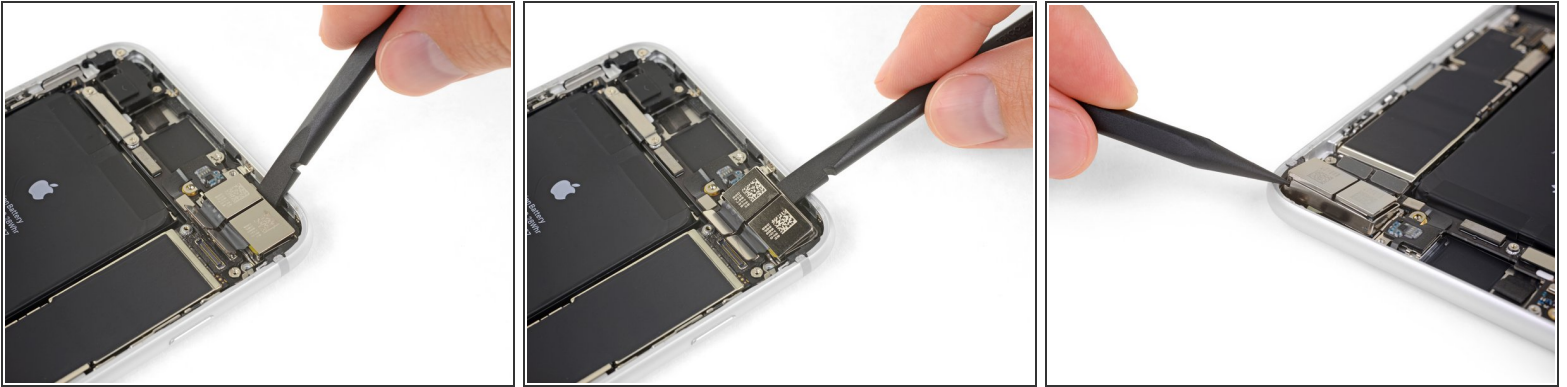
Step 24

- Remove the cover plate from the rear camera module.

Step 25

- Use an iFixit opening tool or a fingernail to disconnect the two camera cable connectors by prying them straight up from their sockets.

Step 26

- Use the flat end of a spudger to pry up the rear-facing camera assembly from the top edge of the iPhone.
  - ⓘ If you have trouble, switch to the point of your spudger and lever the camera out from its top right corner.

Step 27

- Remove the rear-facing camera assembly.

Compare your new replacement part to the original part—you may need to transfer remaining components or remove adhesive backings from the new part before installing.

To reassemble your device, follow the above steps in reverse order.

Take your e-waste to an R2 or e-Stewards certified recycler.

Repair didn't go as planned? Check out our Answers community for troubleshooting help.

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