iPhone SE 2022 Home/Touch ID Sensor Replacement

Use this guide to remove, transfer, or replace...

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INTRODUCTION

Use this guide to remove, transfer, or replace the home/touch ID sensor a.k.a the home button in an iPhone SE 2022.

This guide was performed on the **A2783** (international) model.

The iPhone SE 2022's home "button" is actually a solid-state sensor, which also includes Touch ID (fingerprint recognition) capability.

Most replacement home buttons won't work, so check carefully before starting your repair. Your iPhone's original home button is uniquely paired to the logic board at the factory—and without Apple's proprietary calibration process, even a genuine replacement home button from another iPhone won't work. To fix a broken home button, you should install a specially-made, universal-style home button. Note that these replacements only work as a button and you'll loose Touch ID functionality.

If you are only replacing a broken screen, you can use this guide to carefully remove and transfer your working original home button to a new screen, preserving all functions, including Touch ID.

Note: This guide instructs you to fully detach and remove the display assembly; this is highly recommended for easier handling and to prevent damage to the display cables. If you feel comfortable removing the Home/Touch ID Sensor while keeping the display cables attached, you can skip the steps for disconnecting the display.

If you do not replace the adhesive seals when reassembling, your device will function normally, but will most likely lose its water protection.

You'll need replacement adhesive to reattach components when reassembling the device.

TOOLS:

P2 Pentalobe Screwdriver iPhone (1)
iOpener (1)
Suction Handle (1)
iFixit Opening Picks (Set of 6) (1)
Heat Gun (1)
Microfiber Cleaning Cloths (1)
Isopropyl Alcohol (90% or Greater) (1)
Phillips #000 Screwdriver (1)
Spudger (1)
Tweezers (1)
iFixit Opening Tool (1)
Tri-point Y000 Screwdriver (1)

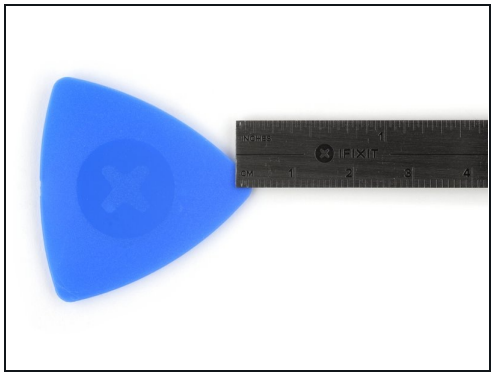
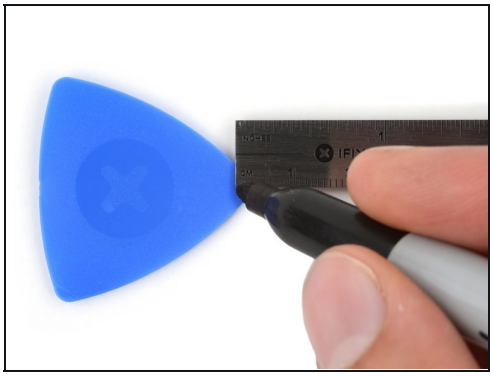
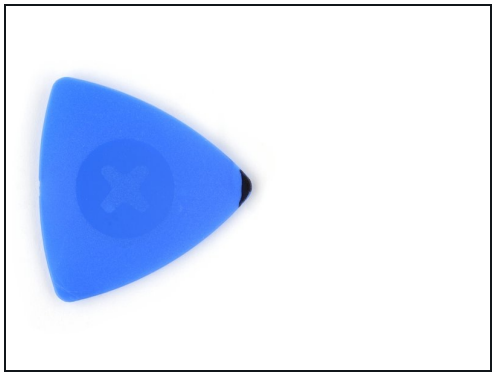
PARTS:

Precut Double-Sided Adhesive Card (1)
iFixit Adhesive Remover (1)

Step 1 — Remove the pentalobe screws

- Power off your phone before beginning disassembly.
- Remove the two 3.4 mm P2 pentalobe screws on the bottom edge of the iPhone.

Step 2 — Mark your opening picks

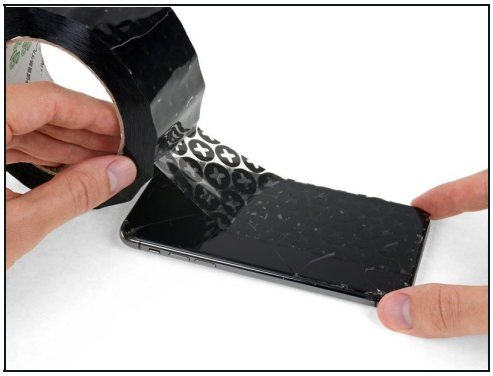
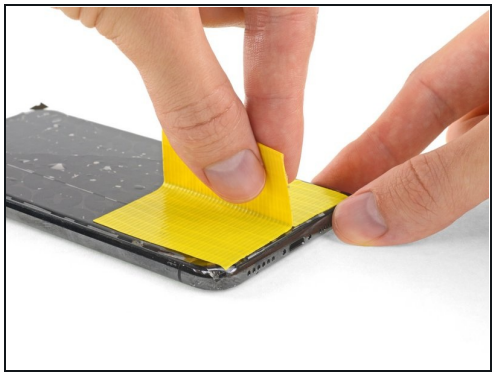
ⓘ If inserted too far, an opening pick can damage your device. Follow this step to mark your pick and prevent damage.

- Measure 3 mm from the tip and mark the opening pick with a permanent marker.

ⓘ You can also mark the other corners of the pick with different measurements.

ⓘ Alternatively, tape a coin to a pick 3 mm from the tip.

Step 3 — Tape over any cracks

ⓘ If your iPhone has a cracked screen, keep further breakage contained and prevent bodily harm during your repair by taping over the glass.

- Lay overlapping strips of clear packing tape over the iPhone's screen until the whole face is covered.

⚠ Wear safety glasses to protect your eyes from any glass shaken free during the repair.

- If you can't get the suction cup to stick in the next few steps, fold a strong piece of tape (such as duct tape) into a handle and lift the screen with that instead.

ⓘ If all else fails, you can superglue the suction cup to the screen.

Step 4 — Anti-Clamp instructions

ⓘ The next three steps demonstrate the Anti-Clamp, a tool we designed to make the opening procedure easier. **If you aren't using the Anti-Clamp, skip down three steps for an alternate method.**

ⓘ For complete instructions on how to use the Anti-Clamp, check out this guide.

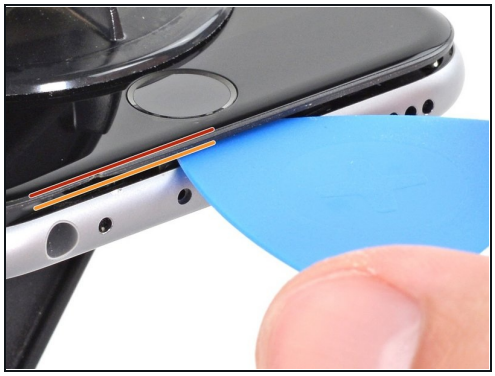
- Pull the blue handle backwards to unlock the Anti-Clamp's arms.
- Slide the arms over either the left or right edge of your iPhone.
- Position the suction cups near the bottom edge of the iPhone just above the home button—one on the front, and one on the back.
- Squeeze the cups together to apply suction to the desired area.

ⓘ If you find that the surface of your iPhone is too slippery for the Anti-Clamp to hold onto, you can use tape to create a grippier surface.

Step 5

- Pull the blue handle forwards to lock the arms.
- Turn the handle clockwise 360 degrees or until the cups start to stretch.
- Make sure the suction cups remain aligned with each other. If they begin to slip out of alignment, loosen the suction cups slightly and realign the arms.

Step 6



- Heat an iOpener and thread it through the arms of the Anti-Clamp.

  ⓘ You can also use a hair dryer, heat gun, or hot plate—but extreme heat can damage the display and/or internal battery, so proceed with care.

- Fold the iOpener so it lays on the bottom edge of the iPhone.

- Wait one minute to give the adhesive a chance to release and present an opening gap.

- Insert an opening pick under the screen's plastic bezel, **not the screen itself**.

  ⓘ If the Anti-Clamp doesn't create a sufficient gap, apply more heat to the area and rotate the handle a quarter turn.

  ⚠ Don't crank more than a quarter turn at a time, and wait one minute between turns. Let the Anti-Clamp and time do the work for you.

- **Skip the next two steps.**

Step 7 — Heat the front panel adhesive

ⓘ If you're using a suction handle, follow the next two steps to loosen the rear glass.

- Prepare an iOpener and apply it to the screen for at least two minutes to loosen the adhesive underneath.
  - ⓘ A hair dryer, heat gun, or hot plate may also be used, but be careful not to overheat the phone—the display and internal battery are both susceptible to heat damage.

Step 8 — Insert an opening pick

- Secure a suction handle to the lower half of the front panel, as close to the home button as possible.
- Lift the front panel with the suction handle to create a small gap between the front panel and the frame.
  - ⓘ If you have trouble creating a gap, apply more heat to the bottom half of the screen to further soften the adhesive. Follow the iOpener instructions to avoid overheating.
- Insert an opening pick into the gap under the screen's plastic bezel.

Step 9 — Slice the adhesive

- Slide the opening pick to the bottom right corner to slice the front panel adhesive.
- Insert a second opening pick at the bottom edge of your phone.
- Slide the opening pick to the bottom left corner to slice the adhesive.
- Leave the opening picks in place to prevent the adhesive from resealing.

Step 10 — Slice the adhesive

ⓘ If the adhesive becomes hard to cut, it has most likely cooled down. Use your iOpener for two to three minutes to reheat it.

- Slide the bottom left opening pick along the left edge of your phone to slice the adhesive.
- Stop near the top left corner of the display.

⚠ Do not try to pry the top edge of the display away from the rear case, as it is held in place by plastic clips that may break.

Step 11



- Slide the bottom right opening pick along the right edge of your phone to slice the adhesive.

  ⚠ Don't insert your pick more than 3 mm, as you may damage internal components.

- Stop near the top right corner of the display.

Step 12 — Lift the screen


- Remove the opening picks.

- Gently pull up on the suction handle 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.

- Remove the suction handle.

Step 13 — Slice the remaining adhesive



- Slide an opening pick underneath the top left corner of the display.
- Slide the opening pick around the top left corner and along the top edge of the phone to slice the remaining adhesive.

Step 14 — Disengage the front panel clips


- Slide the display assembly slightly down in direction of the charging port to disengage the clips holding it to the rear case.

Step 15 — Lift up the display

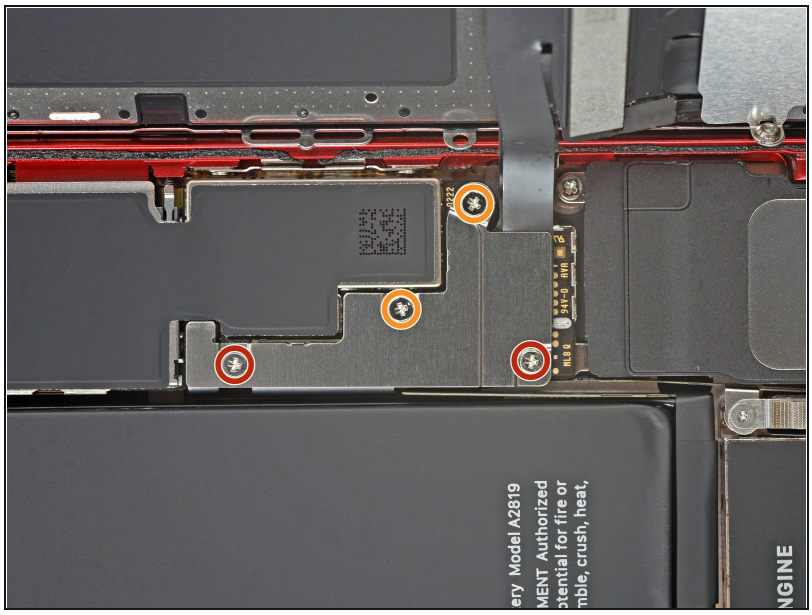


- Open the phone by swinging the display up from the left side, like the back cover of a book.

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

- Lean the display against something to keep it propped up while you're working on the phone.

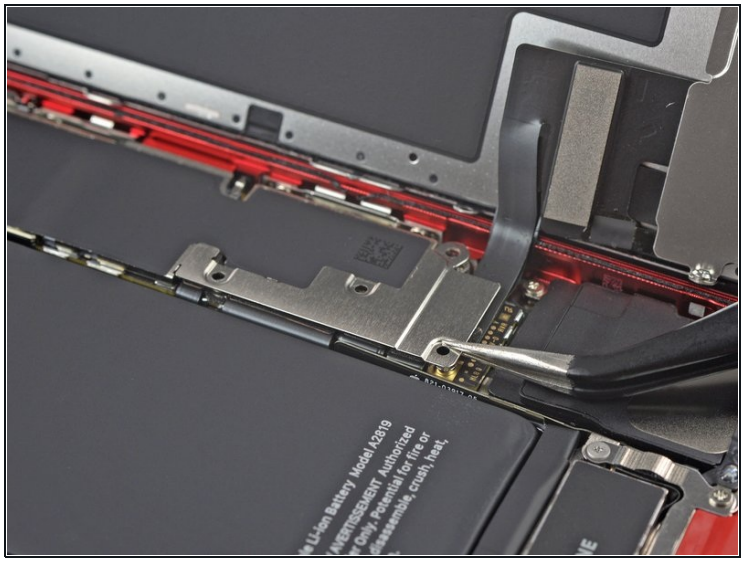
Step 16 — Unfasten the lower display cable bracket screws

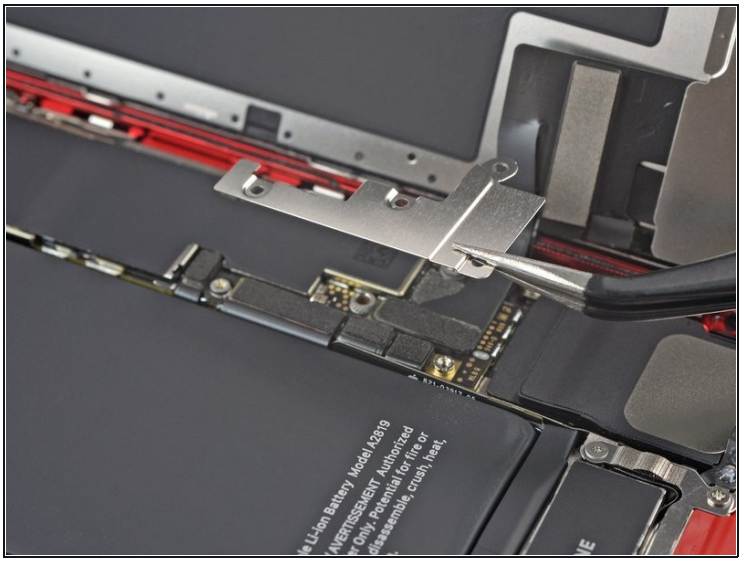


- Remove the four Phillips screws securing the lower display cable bracket:
  - Two 1.2 mm-long screws
  - Two 2.8 mm-long screws

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.

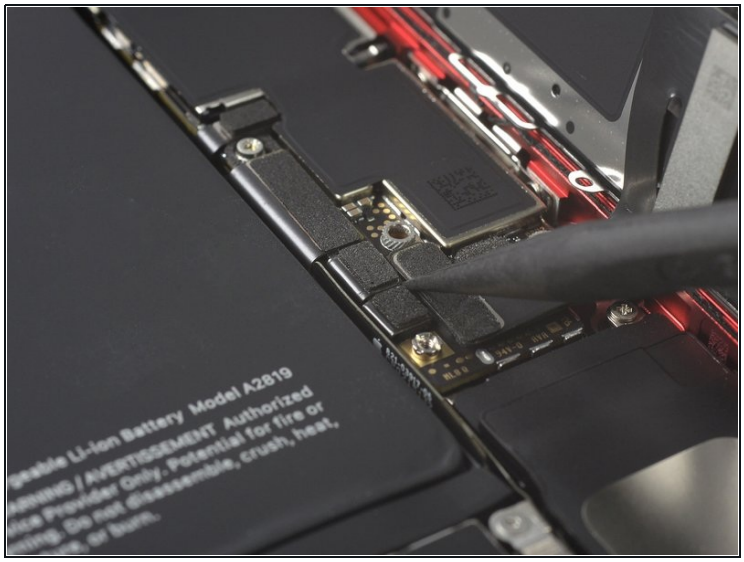
Step 17 — Remove the lower display cable bracket

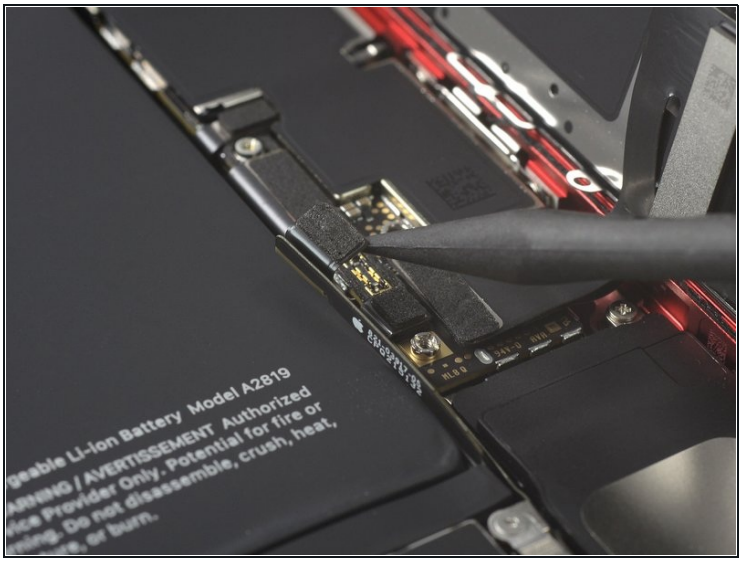




- Use a pair of tweezers to carefully remove the lower display cable bracket.

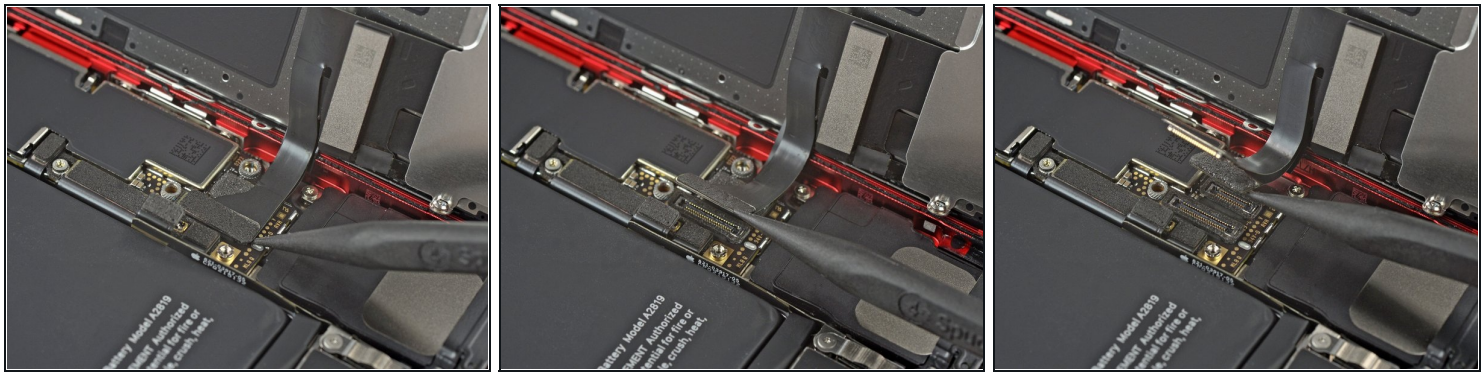
Step 18 — Disconnect the battery





- Use the pointed end of a spudger to disconnect the battery by prying the connector straight up from its socket.

Step 19 — Disconnect the display and digitizer cables

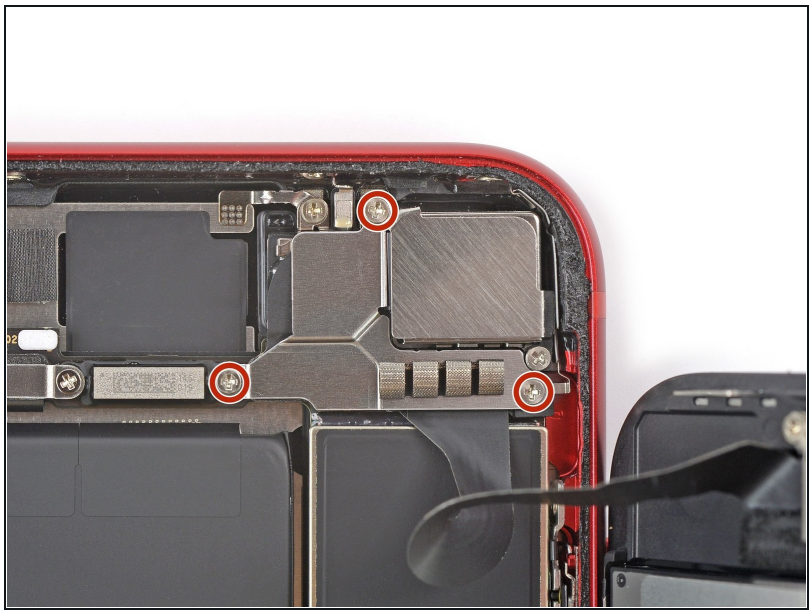


The display and digitizer cables run on top of each other. To avoid cable damage always start by disconnecting the upper cable first and never try to disconnect both at the same time.

- Use the pointed end of a spudger to disconnect the bottom two display cables by prying the connectors straight up from their sockets.

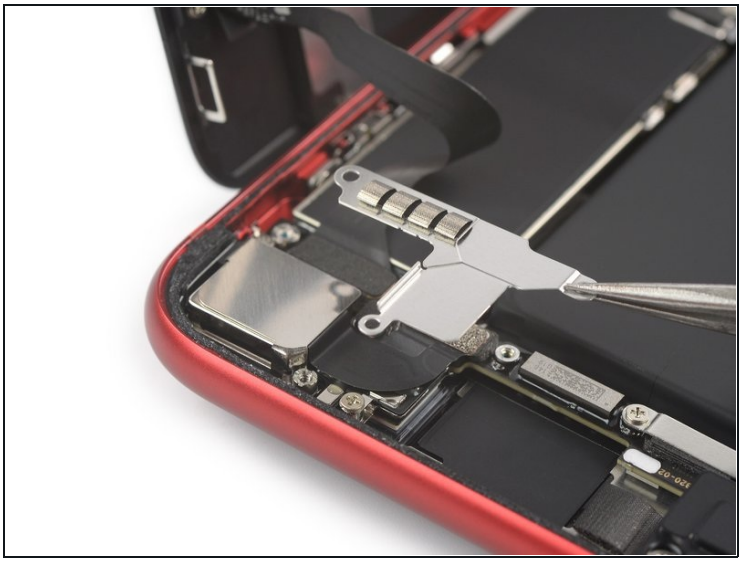
To re-attach press connectors like this, press down on one side until it clicks into place, then repeat on the other side. Do not press down on the middle. If the connector is even slightly misaligned, the connector can bend, causing permanent damage.

Step 20 — Unfasten the front sensor assembly bracket screws



- Use a Phillips screwdriver to remove the three 1.2 mm-long screws securing the front sensor assembly bracket.

Step 21 — Remove the front sensor assembly bracket



- Use a pair of tweezers to carefully remove the front sensor assembly bracket.

Step 22 — Disconnect the front sensor assembly cable

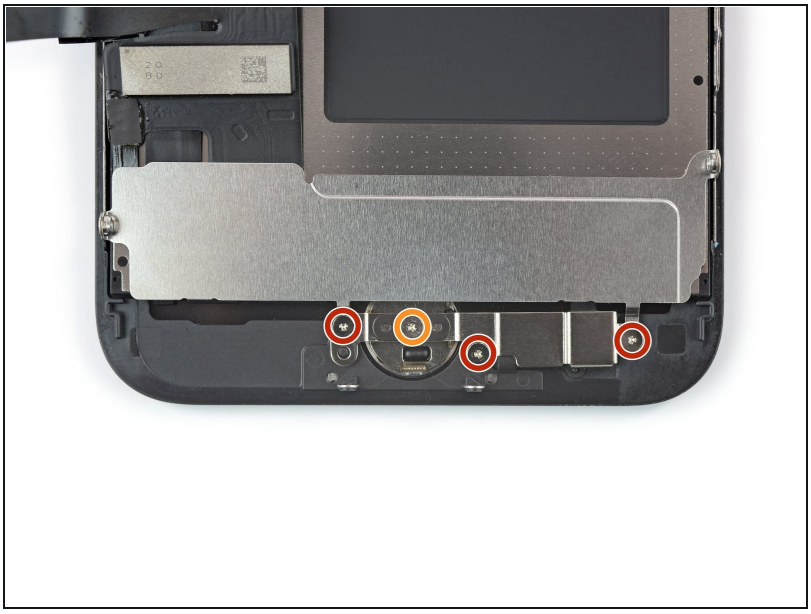
- Use the pointed end of a spudger to disconnect the front sensor assembly by prying the connector straight up from its socket.

Step 23 — Remove the display assembly

- Remove the display assembly.

During reassembly, follow this guide to apply adhesive and install your display assembly.

Step 24 — Unfasten the home/Touch ID sensor bracket screws

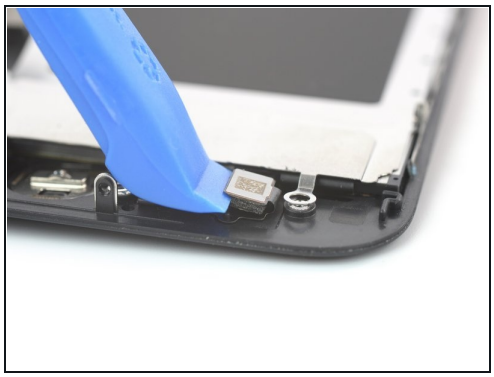


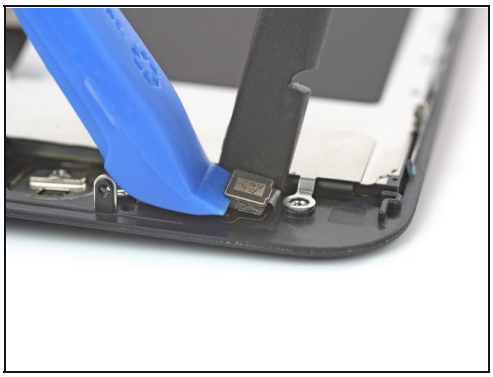
- Remove the four screws securing the home/Touch ID sensor bracket:
  - Three 1.2 mm-long Y000 screws
  - One 1.1 mm-long Y000 screw

Step 25 — Remove the home/Touch ID sensor bracket

- Use a pair of tweezers to carefully remove the home/Touch ID sensor bracket.

Step 26 — Disconnect the home/Touch ID sensor





- Use an opening tool to pry under the left edge of the home/Touch ID sensor cable connector to disconnect it from its socket.

⚠ If the entire connector begins to flip up without separating, press down on the cable at the top edge of the connector with the flat end of a spudger, while simultaneously prying up the left edge of the connector. Be very careful not to damage the cable or connector, or you will permanently disable the sensor.

Step 27 — Heat the home/Touch ID sensor cable adhesive

- Prepare an iOpener and apply it to the screen where the home/Touch ID button is located for at least two minutes to loosen the adhesive underneath its cable.

  ⓘ A hair dryer, heat gun, or hot plate may also be used, but be careful not to overheat the phone—the display and internal battery are both susceptible to heat damage.

Step 28 — Free the home/Touch ID sensor cable

- Carefully slide an opening pick underneath the home/Touch ID sensor cable and separate it from the back side of the display panel.

  ⚠ Avoid damaging the cable connector during this procedure. The home/Touch ID sensor cable is wrapped around it and abrupt movements might tear the connector cable. Try to fold the connector up in direction of the selfie camera and out of the cables way instead.

Step 29 — Remove the home/Touch ID sensor assembly



- Use a pair of tweezers to remove the home/Touch ID sensor assembly by lifting it through the front side of the display.

To reinstall, first feed the cable through the hole in the front of the display as shown.

Your replacement part may come with extra Y000 screws already installed near the Home Button. Remove the unnecessary screws so that you can reinstall the home button bracket.

If possible, turn on your device and test your repair before installing new adhesive and resealing.

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 these instructions in reverse order.

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

Repair didn’t go as planned? Try some basic troubleshooting, or ask our Answers community for help.