



# INTRODUCTION

Learn how to replace your iPhone 6 screen. This part comes with the front-facing camera, earpiece speaker and LCD shield plate already installed, making for an easier repair.

All you need to do is remove the old screen and transfer the home button to the new screen.

You can also use this guide to replace the [front panel assembly cable bracket](#).

[video: <https://www.youtube.com/watch?v=kE3s-ahwfsU>]

## 🔧 TOOLS:

- [Anti-Clamp](#) (1)
- [Spudger](#) (1)
- [P2 Pentalobe Screwdriver iPhone](#) (1)
- [Suction Handle](#) (1)
- [iFixit Opening Tool](#) (1)
- [Tweezers](#) (1)
- [Phillips #000 Screwdriver](#) (1)

## ⚙️ PARTS:

- [iPhone 6 Screen](#) (1)
- [NuGlas Tempered Glass Screen Protector for iPhone 6/6s](#) (1)
- [iPhone 6 Front Panel Assembly Cable Bracket](#) (1)

## Step 1 — Pentalobe Screws



**⚠️ Before disassembling your iPhone, discharge the 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 3.6 mm-long P2 Pentalobe screws next to the Lightning connector.

## Step 2 — Tape over the display



- If your display glass is cracked, 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 display until the whole face is covered.
  - ⓘ This will keep glass shards contained and provide structural integrity when prying and lifting the display.

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

- If the broken glass makes it difficult to get a suction cup to stick in the next few steps, try folding a strong piece of tape (such as duct tape) into a handle and lifting the display with that instead.

### Step 3 — Anti-Clamp instructions



- ① The next two 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.**
- ① 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.
- ① 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 4



- 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.
  - Insert an opening pick under the screen when the Anti-Clamp creates a large enough gap.
    - ⓘ If the Anti-Clamp doesn't create a sufficient gap, rotate the handle a quarter turn.
- ⚠ Don't crank more than a quarter turn at a time, and wait a few seconds between turns. Let the Anti-Clamp and time do the work for you.**
- **Skip the next three steps.**

## Step 5 — Manual Opening Procedure



- If you don't have an [Anti-Clamp](#), use a single suction cup to lift the front panel:
- Press a suction cup onto the screen, just above the home button.
- ⓘ Be sure the cup is pressed securely onto the screen to get a tight seal.
- ⓘ 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 6

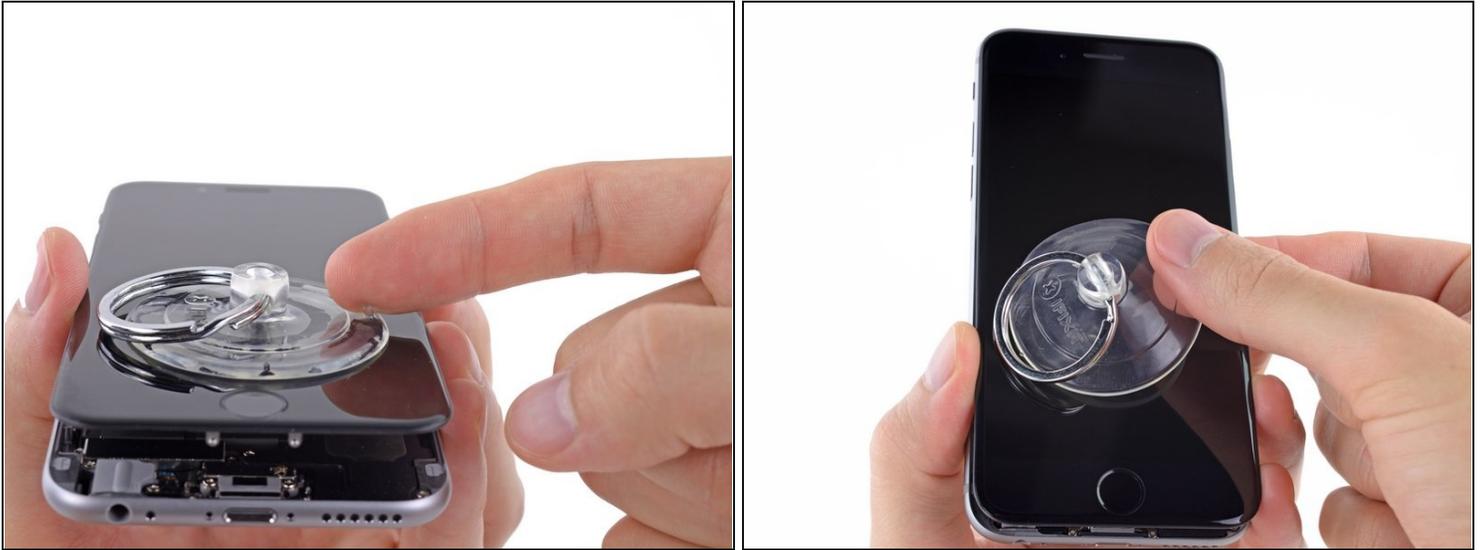


- While holding the iPhone down with one hand, pull up on the suction cup to slightly separate the front panel assembly from the rear case.

**⚠ Take your time and apply firm, constant force. The display assembly is a much tighter fit than most devices.**

- Using a plastic opening tool, begin to gently pry the rear case down, away from the display assembly, while continuing to pull up with the suction cup.
- ① There are several clips holding the front panel assembly to the rear case, so you may need to use a combination of the suction cup and plastic opening tool to free the front panel assembly.

## Step 7



- Pull the plastic nub to release the vacuum seal on the suction cup.
- Remove the suction cup from the display assembly.

## Step 8 — Opening up the phone



- Open the iPhone by swinging the home button end of the front panel assembly away from the rear case, using the top of the phone as a hinge.
  - ⓘ Several clips along the top edge of the front panel form a partial hinge.
- ☑ During reassembly, align the clips just below the top edge of the rear case. Then, slide the front panel upward until its top edge is flush with that of the rear case.

## Step 9



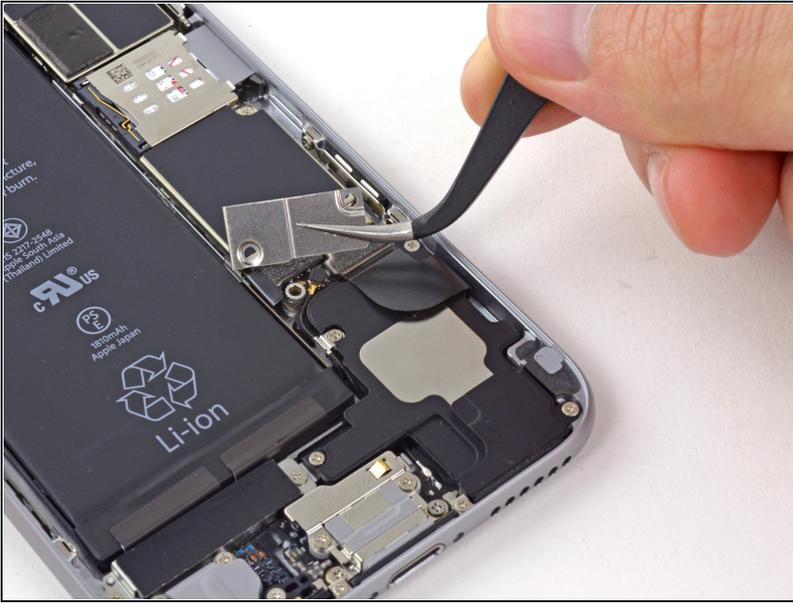
- Open the display to about a 90° angle, and lean it against something to keep it propped up while you're working on the phone.
  - ⓘ In a pinch, an unopened canned beverage works well for this.
- Add a rubber band to keep the display securely in place while you work. This prevents undue strain on the display cables.

## Step 10 — Removing the battery connector bracket screws



- Remove the following Phillips screws from the battery connector bracket:
  - One 2.2 mm screw
  - One 3.2 mm screw
- ⓘ During your repair, [keep track of each screw](#) and make sure it goes back exactly where it came from to avoid damaging your phone.

## Step 11



- Remove the metal battery connector bracket from the iPhone.

## Step 12 — Disconnecting the battery connector



- Use a plastic opening tool to gently pry the battery connector up from its socket on the logic board.
- ⚠ Take care to only pry on the battery connector, and not the socket on the logic board. If you pry up on the logic board socket, you may break the connector entirely.

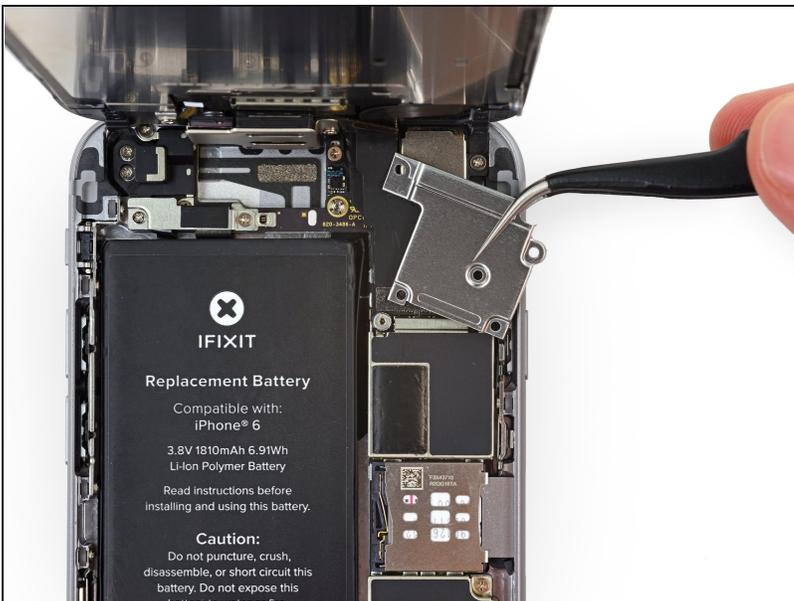
## Step 13 — Removing the front panel assembly cable bracket screws



- Remove the following five Phillips screws securing the front panel assembly cable bracket:
  - Three 1.2 mm screws
  - One 1.7 mm screw
  - One 3.1 mm screw

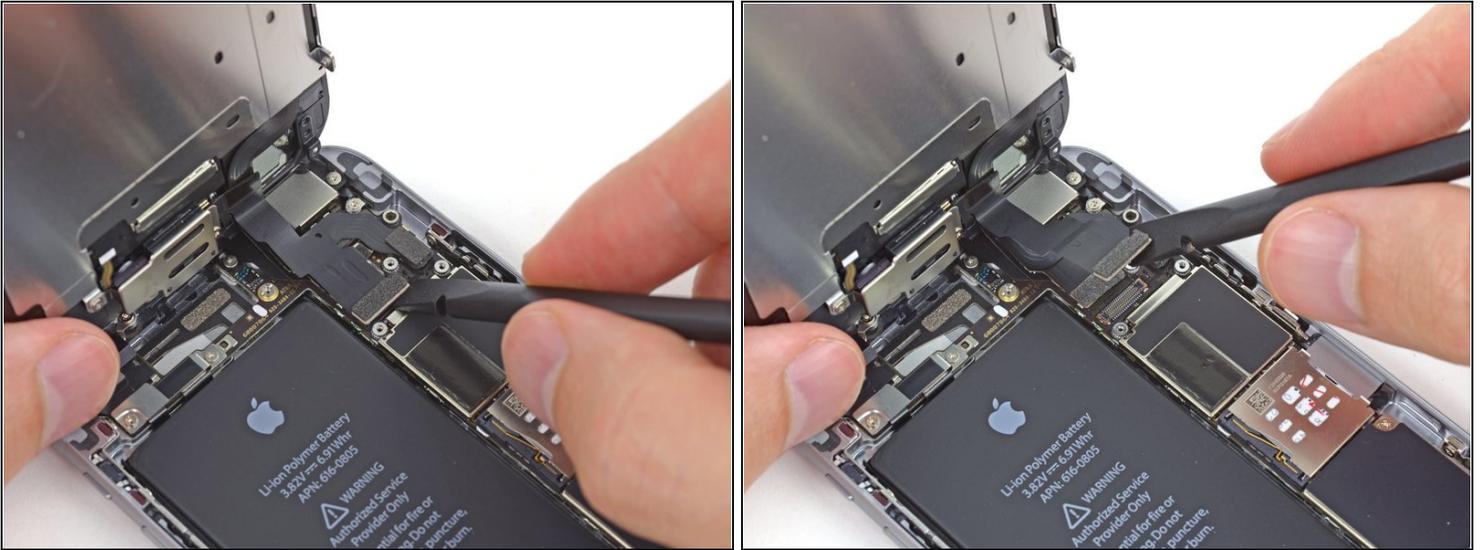
⚠ Incorrect placement of these screws during reassembly will cause permanent damage to your iPhone's logic board.

## Step 14



- Remove the front panel assembly cable bracket from the logic board.

## Step 15



⚠ In the next four steps, take care to pry up **only** on the cable connectors, and not on their sockets on the logic board.

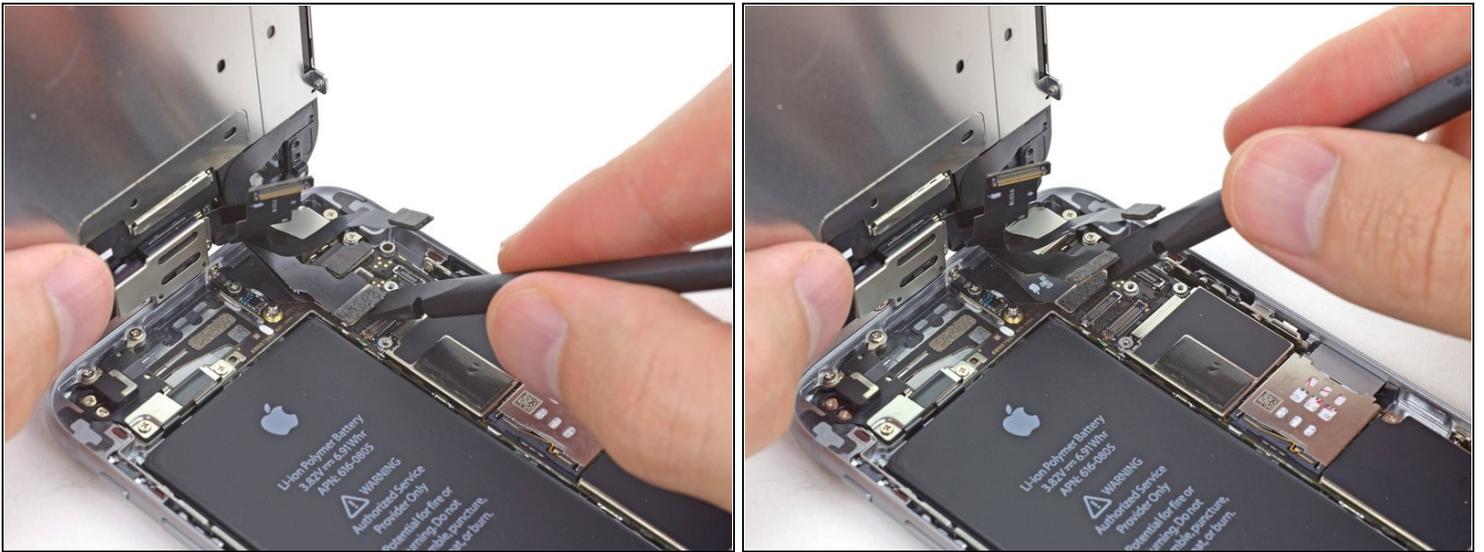
- Use a spudger or a fingernail to disconnect the front-facing camera and sensor cable connector.

## Step 16



- Use a spudger or a fingernail to disconnect the home button cable connector.

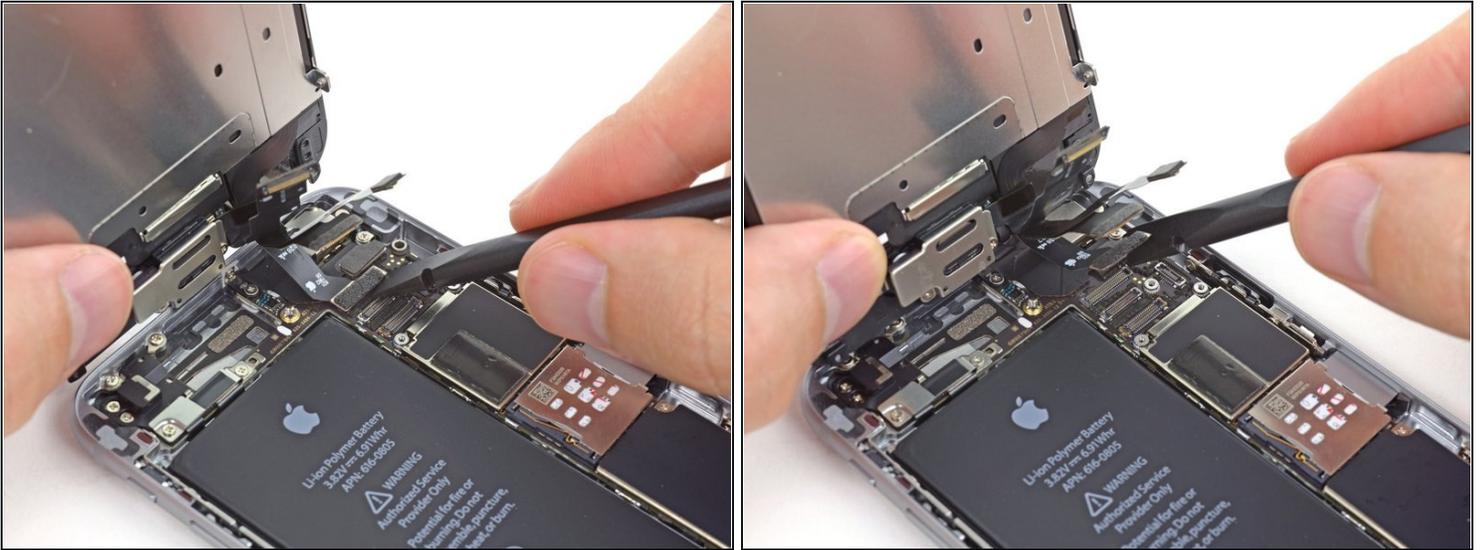
## Step 17



**⚠ Make sure the battery is disconnected before you disconnect or reconnect the cable in this step.**

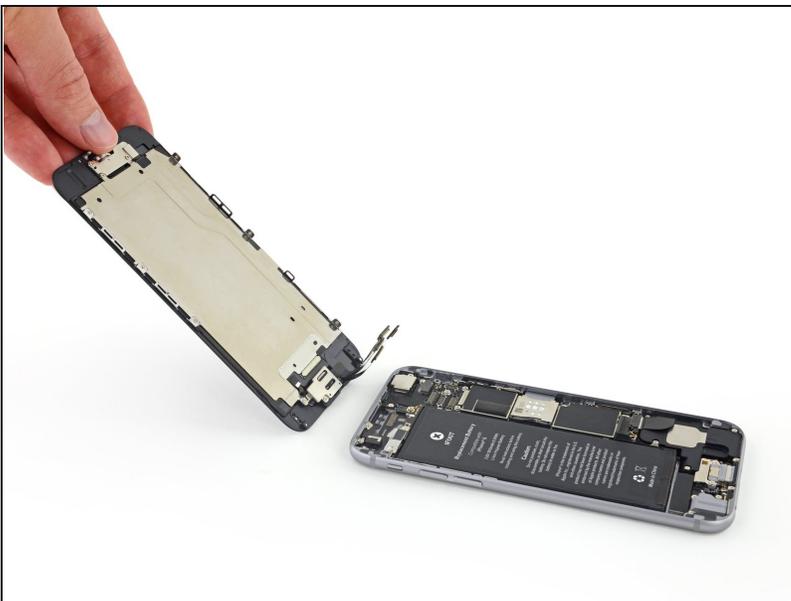
- Use a spudger or a fingernail to disconnect the display data cable connector.
- ☑ When reassembling your phone, the display data cable may pop off its connector. This can result in white lines or a blank screen when powering your phone back on. If that happens, simply reconnect the cable and power cycle your phone. The best way to power cycle your phone is to [disconnect and reconnect the battery connector](#).

## Step 18



- Use the flat end of a spudger to disconnect the digitizer cable connector.
- ☑ When reconnecting the digitizer cable, **do not press the center of the connector**. Press one end of the connector, then press the opposite end. Pressing in the center of the connector can bend the component and cause digitizer damage.

## Step 19 — Separating front panel assembly and rear case



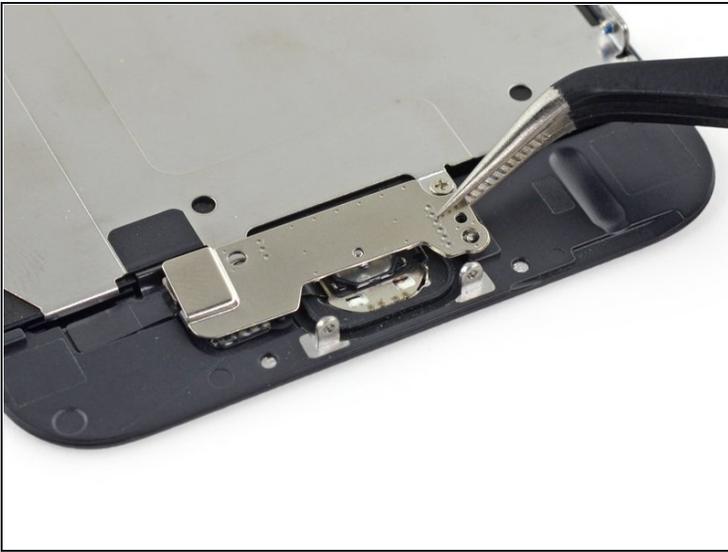
- Remove the front panel assembly from the rear case.

## Step 20 — Home Button



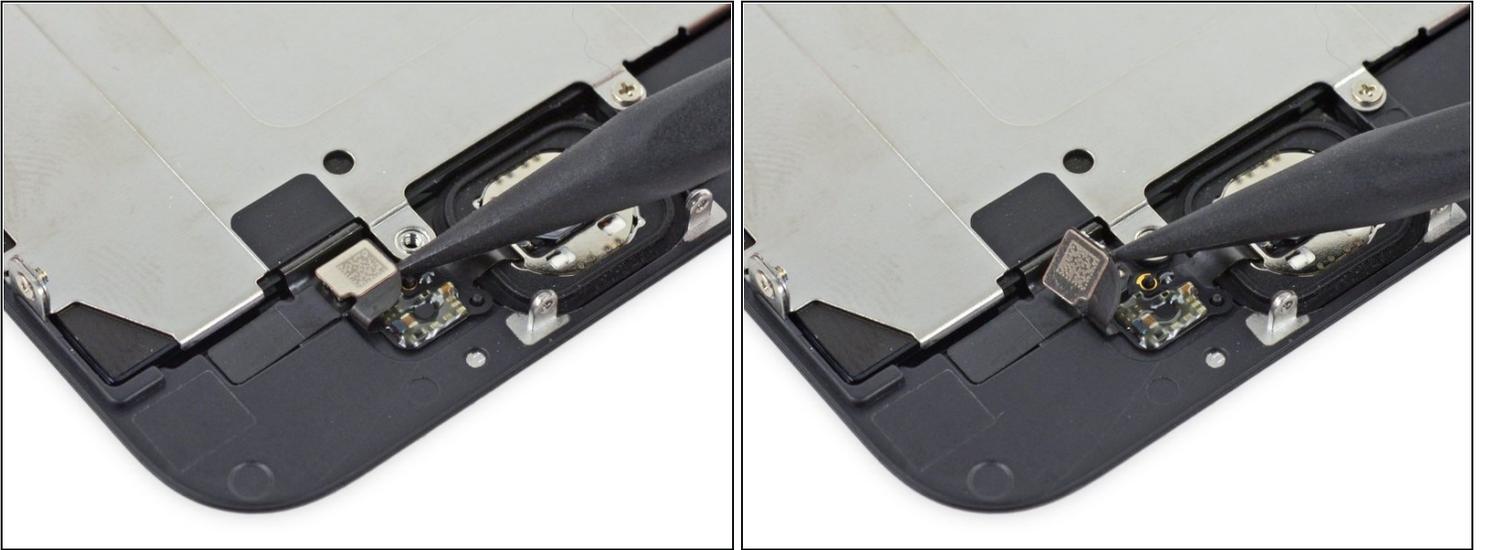
- Remove the two 1.9 mm Phillips screws securing the home button bracket.

## Step 21



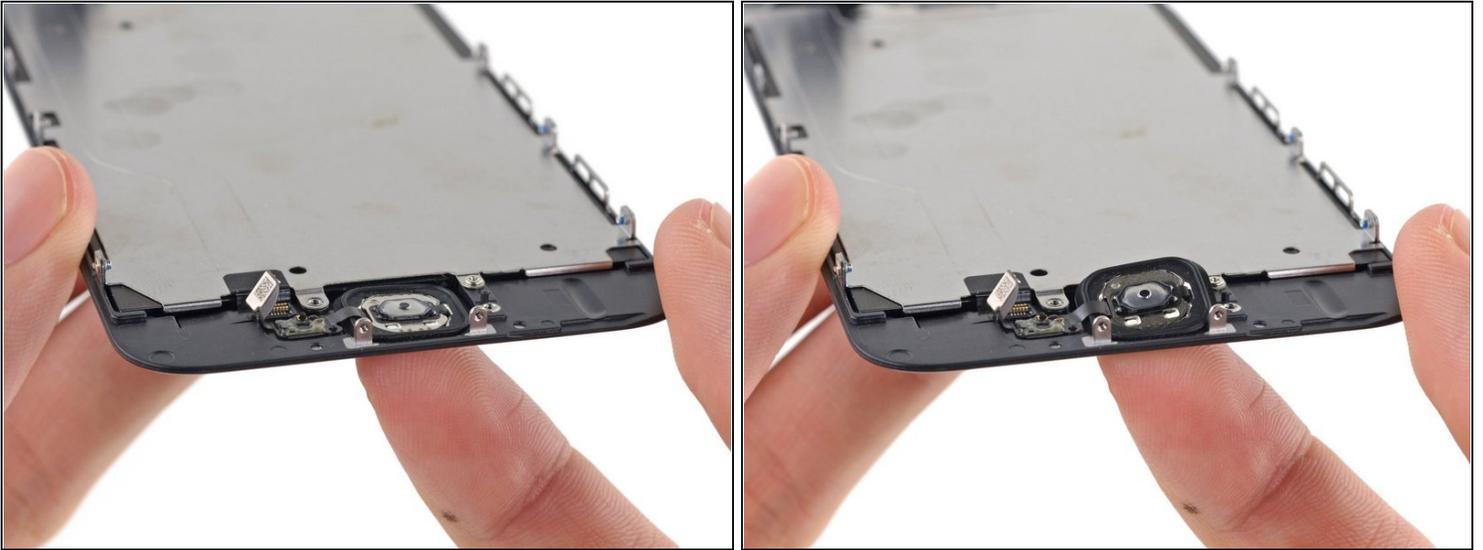
- Remove the home button bracket from the front panel.

## Step 22



- Use the point of a spudger to disconnect the home button cable connector by pushing it up and away from the home button.

## Step 23

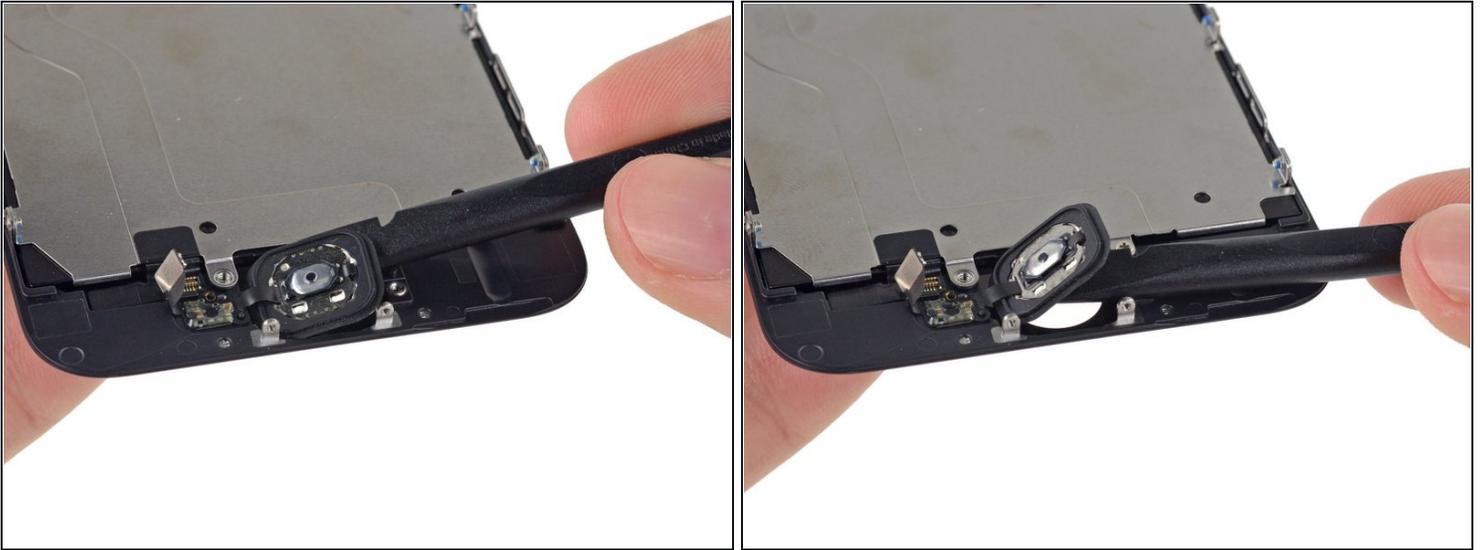


**⚠ The rubber membrane surrounding the home button is very thin and tears easily.**

- Apply mild heat (with an [iOpener](#), heat gun, or hair dryer) to soften the adhesive securing the home button membrane.
- Using your fingertip, apply firm, constant pressure on the home button from the front side of the display assembly, until the membrane starts to separate from the front panel.

**⚠ Do not push the home button all the way through—you only need to get a corner free so that you can pry it free with a spudger.**

## Step 24



- Peel the home button the rest of the way off of the display by prying gently with a spudger.

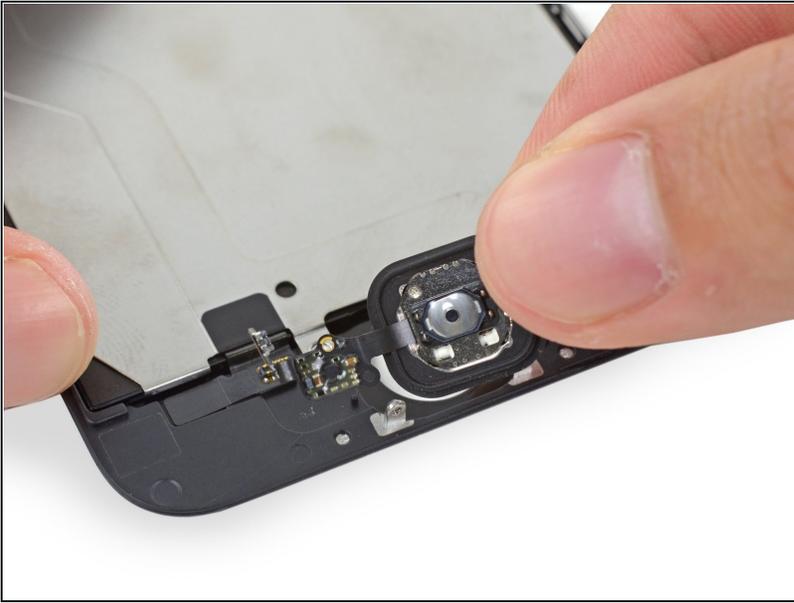
## Step 25



- Use the point of a spudger to carefully separate the home button cable from the adhesive securing it to the front panel.

⚠ If the cable doesn't separate easily, apply heat using an [iOpener](#) or hair dryer to soften the adhesive, and try again. Be careful not to damage the cable.

## Step 26



- Once all the adhesive has been separated, remove the home button from the front panel.
- ⓘ If you are replacing a broken front panel, there may be glass shards stuck to the home button. Carefully remove any remaining glass before transferring your home button to a new display.
- ✦ Your replacement part may come with an [extra Phillips screw](#) already installed left of the Home Button. Remove the unnecessary screw so that you can reinstall the home button bracket.

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To reassemble your device, follow these instructions in reverse order.