



# iPhone 6 Plus Lightning Connector and Headphone Jack Cable Replacement

Replace the Lightning Connector and Headphone Jack Cable in your iPhone 6 Plus.

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## INTRODUCTION

Use this guide to replace the Lightning connector and headphone jack cable.

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



### TOOLS:

- [iFixit Opening Picks set of 6](#) (1)
- [iSlack](#) (1)
- [P2 Pentalobe Screwdriver iPhone](#) (1)
- [iFixit Opening Tools](#) (1)
- [Suction Handle](#) (1)
- [Tweezers](#) (1)
- [Spudger](#) (1)
- [iOpener](#) (1)
- [Phillips #000 Screwdriver](#) (1)



### PARTS:

- [iPhone 6 Plus Lightning Connector and Headphone Jack](#) (1)
- [iPhone 6 Plus Lightning Connector Cable Conductive Adhesive](#) (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 P2 Pentalobe screws next to the Lightning connector.

## Step 2 — iSclack Opening Procedure



- ⓘ The next two steps demonstrate using the [iSclack](#), a great tool for safely opening the iPhone 6 Plus that we recommend for anyone doing more than one repair. **If you aren't using the iSclack, skip down two steps.**
- If the plastic depth gauge is attached at the center of the iSclack, remove it now—it's not needed for larger phones like the iPhone 6 Plus.
- Close the handle on the iSclack, opening the suction cup jaws.
- Place the bottom of your iPhone in between the suction cups.
- ⓘ Position the iSclack's upper suction cup against the display, near the home button.
- Open the handles to close the jaws of the iSclack. Center the suction cups and press them firmly onto the top and bottom of the iPhone.
- ⓘ If your display or back glass is badly cracked, [covering it with a layer of clear packing tape](#) may help the suction cups adhere. The iSclack also includes two pieces of tape for this purpose.

## Step 3



- Hold onto your iPhone securely and close the handle of the iSclack to separate the suction cups, pulling the front panel up from the rear case.
- ⓘ The iSclack is designed to safely open your iPhone enough to separate the pieces, but not enough to damage any of the display cables.
- Peel the two suction cups off your iPhone.
- **Skip the next three steps and continue on to Step 7.**

## Step 4 — Front Panel Assembly



- If you don't have an iSlack, 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 5



- 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.
- ⓘ There are several clips attaching 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 6



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

## Step 7



- Pull the home button end of the front panel assembly away from the rear case, using the top of the phone as a hinge.
  - 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.
    - Add a rubber band to keep the display securely in place while you work. This prevents undue strain on the display cables.
- i** In a pinch, you can use an unopened canned beverage to hold the display.

## Step 8



- i** Several clips along the top edge of the front panel form a partial hinge, allowing the front panel assembly to swing open like a book.
- ➡** 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



- Remove the following Phillips screws from the battery connector bracket:
  - One 2.3 mm screw
  - One 3.1 mm screw

## Step 10



- Remove the metal battery connector bracket from the iPhone.

## Step 11



- Use a clean fingernail or the edge of an opening tool to gently pry the battery connector up from its socket on the logic board.
- ⚠ Take care to **only** pry up 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 12



- Remove the following Phillips screws securing the front panel assembly cable bracket:
  - Three 1.2 mm screws
  - One 1.5 mm screw
  - One 2.9 mm screw

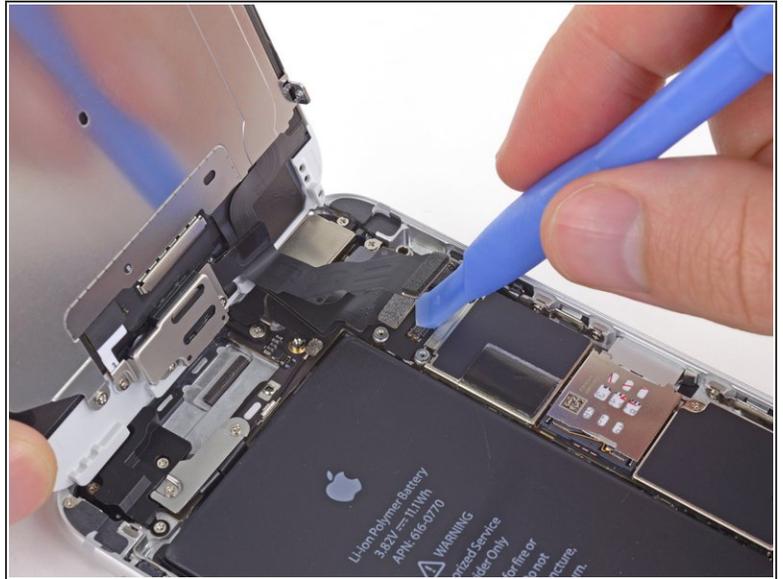
**⚠ Do not attempt to insert longer screws into the red marked screw holes. Doing so may result in irreparable damage to the logic board.**

## Step 13



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

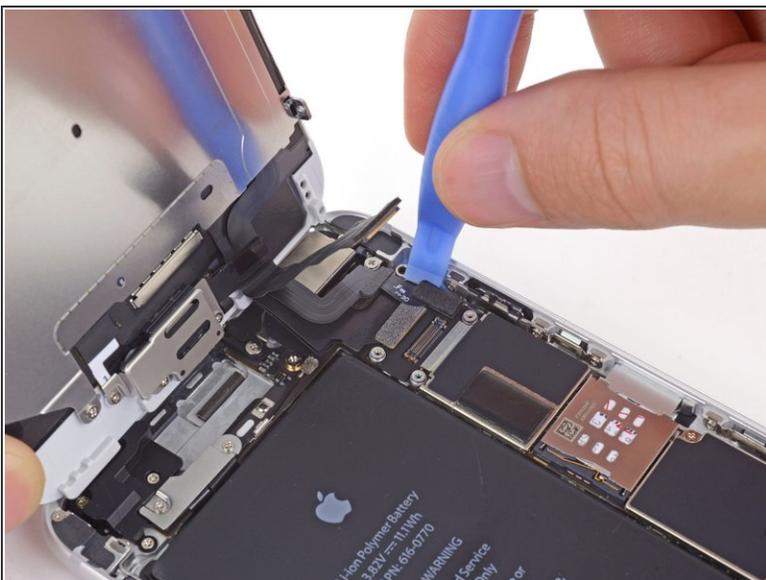
## Step 14



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

- While still supporting the front panel, use a fingernail or the edge of an opening tool to disconnect the front-facing camera and earpiece speaker connector.

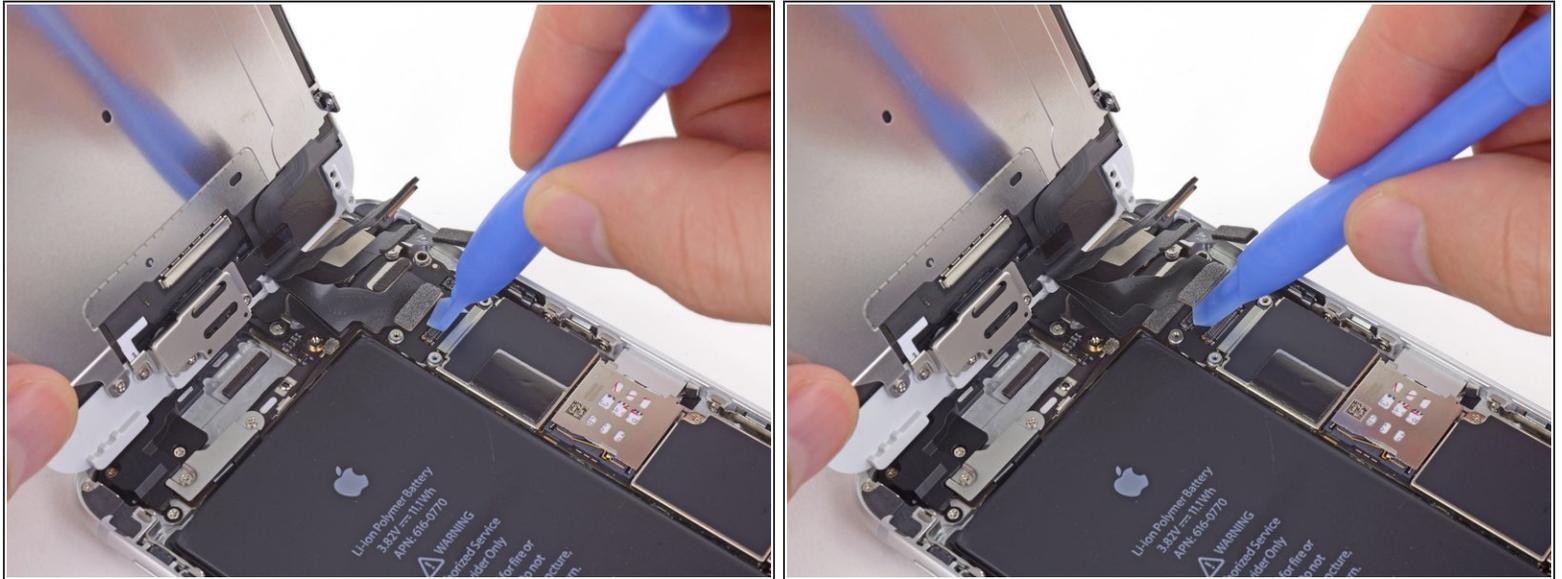
## Step 15



- Disconnect the home button cable connector.

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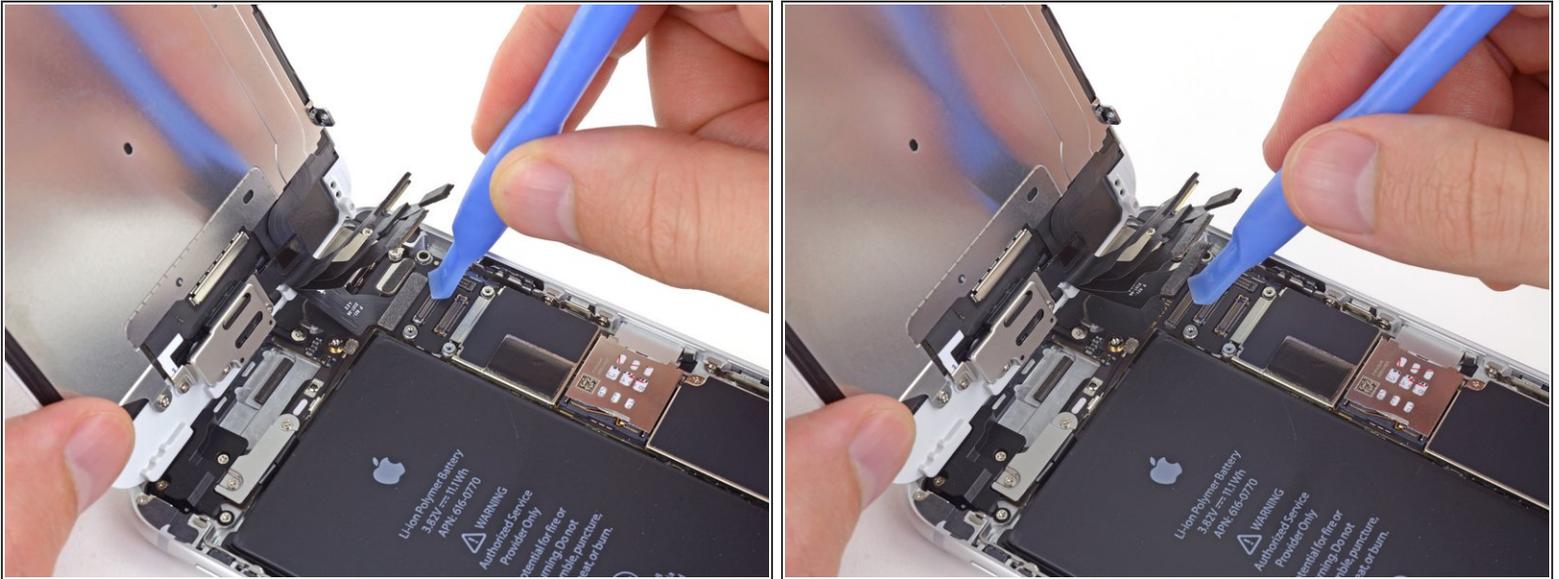
## Step 16



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

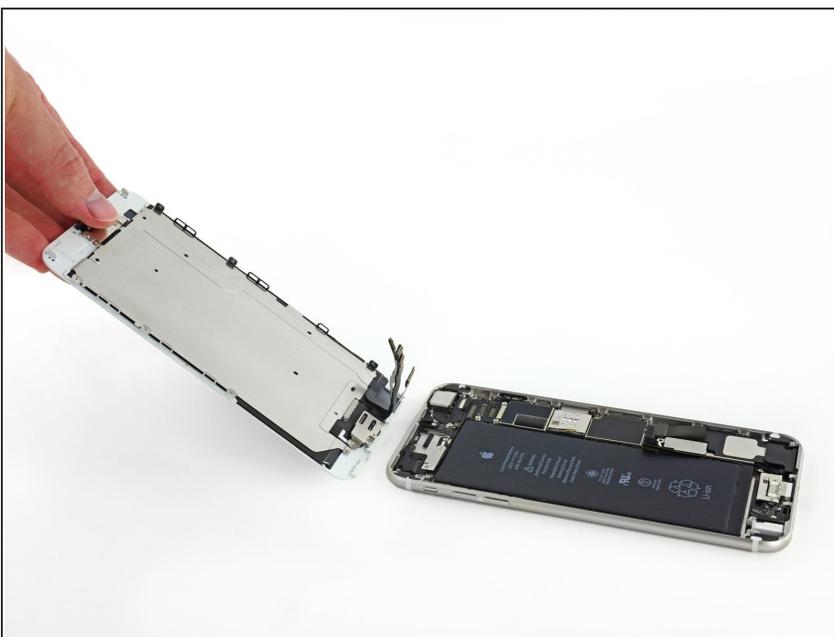
- Use a plastic opening tool to disconnect the display data cable connector.
- ☞ When reassembling your phone, the display data cable may pop off the connector. This can result in white lines or a blank screen when powering your phone back on. If that happens, simply reconnect the cable and power cycle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

## Step 17



- Finally, 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 18



- Remove the front panel assembly from the rear case.

## Step 19 — Vibrator



- Pry the vibrator connector cable up from its socket on the logic board with the flat end of a spudger.

## Step 20



- Use the tip of a spudger to disconnect the interconnect antenna cable from its socket on the logic board.

## Step 21



- Grasp the interconnect antenna cable with a pair of tweezers and carefully de-route it from its channel on the vibrator assembly.

## Step 22



- Remove the two 2.5 mm Phillips #00 screws securing the vibrator to the rear case.

## Step 23



- Remove the vibrator from the iPhone.

## Step 24 — Speaker



- Grasp the antenna connector with a pair of tweezers and carefully begin de-routng it from its channel on the speaker.

## Step 25



- i** To fully de-route the antenna connector, you may need to gently pull back the metal clip securing it to the speaker assembly.

## Step 26



- Remove the following screws securing the speaker to the rear case:
  - One 2.3 mm Phillips #00 screw
  - One 2.8 mm Phillips #00 screw

## Step 27



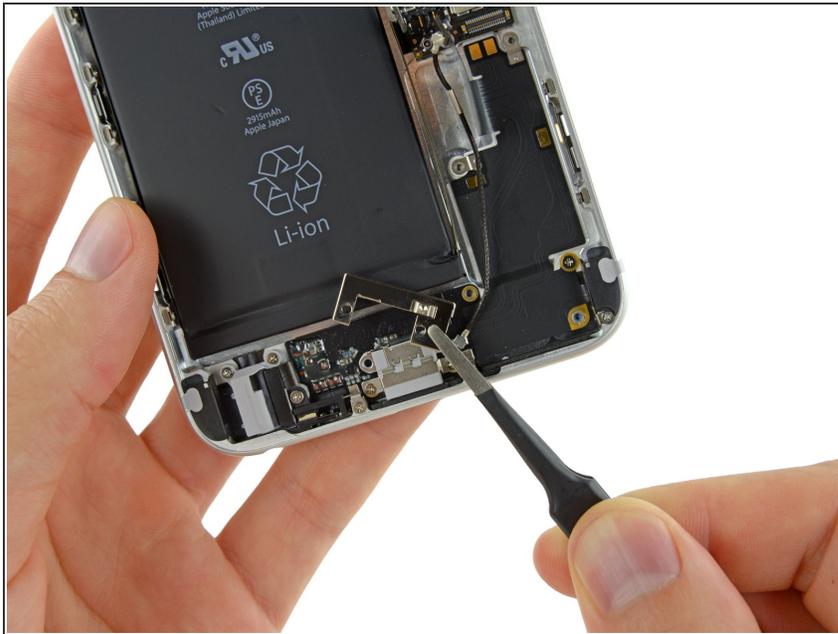
- Lift and remove the speaker out of the iPhone.

## Step 28 — Lightning Connector Assembly



- Remove the two 3.3 mm Phillips #00 screws securing the metal bracket to the Lightning connector assembly.

## Step 29



- Use a pair of tweezers to lift and remove the metal bracket out of the iPhone.

## Step 30



- Use the flat edge of a spudger to pry the antenna connector cable up off its socket on the Lightning connector assembly.

## Step 31



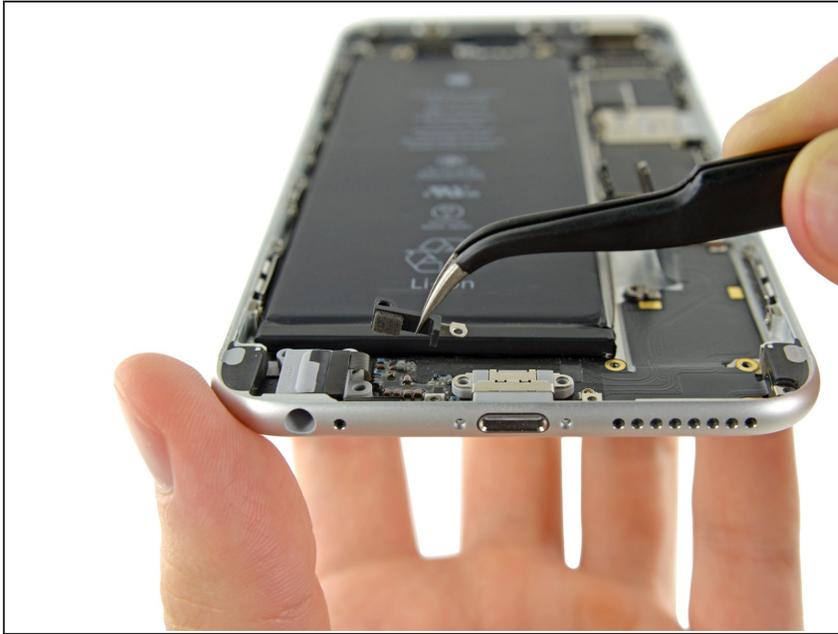
- Lift and remove the antenna connector out of the iPhone.

## Step 32



- Remove the following Phillips #00 screws securing the Lightning connector assembly to the rear case:
  - Two 3.2 mm screws
  - One 3.8 mm screw
  - Two 1.7 mm screws
  - Two 1.5 mm screws
  - Two 1.4 mm screws

## Step 33



- Use a pair of tweezers to grasp the plastic clip that is situated to the right of the headphone jack and remove it from the iPhone.

## Step 34 — Lightning Connector and Headphone Jack Cable



- ⓘ The next step requires peeling the Lightning connector and headphone jack cable that is affixed to the inside of the rear case with mild adhesive. We highly recommend [using an iOpener](#) to heat the lower backside of the rear case.

## Step 35



- Use an opening pick to slowly separate the Lightning connector and headphone jack cable from the rear case.
- ⓘ If the adhesive feels hard to slice, apply additional heat and try again.
- ⓘ Carefully work the pick down the right side of the Lightning connector and headphone jack cable, making sure to **stop** right as you hit the bottom.

## Step 36



- Insert the pick underneath the right bottom corner of the Lightning connector and headphone jack cable.

## Step 37



- Run the opening pick across the top of Lightning connector and headphone jack cable to loosen the adhesive securing it to the rear case.

## Step 38



- Lift and remove the Lightning connector and headphone jack cable out of the iPhone.
- ☑ Before installing or replacing the Lightning connector assembly:
  - Use a plastic tool to scour any bits of adhesive residue from the rear case behind the cable.
  - Compare your replacement part to the original and note any differences. You may find a rubber gasket adhered to the old headphone jack, which should be transferred to the new part if needed.
  - Test fit your replacement part, and then peel off any protective plastic films or liners before installing.

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