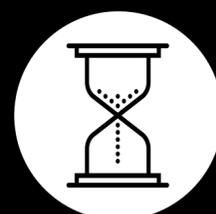




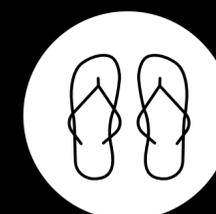
HOW TO REPLACE YOUR iPhone 7 BATTERY



MEDIUM DIFFICULTY



50 MINUTES



20 STEPS

STEP 1 Removing the 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.
- Opening the iPhone's display will damage its waterproof seals. If you do not replace the seals, your phone will no longer be water resistant.
- Remove the two 3.4 mm pentalobe screws on the bottom edge of the iPhone.

STEP 2 Manual Opening Procedure



- Attach a suction cup to the lower half of the display assembly, just above the home button.
- 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.

STEP 3 Start lifting the front panel assembly



- Pull up on the suction cup to create a small gap between the display assembly and the rear case.
- Insert the flat end of a spudger into the gap.
- The watertight adhesive holding the display in place is very strong, and creating this initial gap takes a significant amount of force. If you're having a hard time opening a gap, rock the screen up and down to weaken the adhesive until you can fit a spudger inside.

STEP 4 Removing the suction cup

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

STEP 5 Opening up the phone

- Slide an opening pick along the top edge of the iPhone, between the rear case and front panel, to break up the remaining adhesive holding the screen in place.
- Be careful not to damage the plastic clips on the top edge of the phone.
- Pull the display assembly slightly away from the top edge of the phone to disengage the clips holding it to the rear case.
- 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.

STEP 6 Removing the battery connector bracket screws



- Remove four tri-point Y000 screws securing the lower connector bracket, of the following lengths:
 - Three 1.2 mm screws ●
 - One 2.4 mm screw ●
- Throughout this repair, keep track of each screw and make sure it goes back exactly where it came from to avoid damaging your iPhone.

STEP 7 Removing the lower connector bracket



- Remove the lower connector bracket.

STEP 8 Lifting the battery connector out



- Use the point of a spudger to lift the battery connector out of its socket on the logic board.
- Bend the connector cable up slightly to prevent it from making contact with the socket and providing power to the phone.

STEP 9 Display Assembly



- Make sure the battery is disconnected before you disconnect or reconnect the cables in this step.
- Use a spudger or a fingernail to disconnect the two lower display connectors by prying them straight up from their sockets on the logic board.
- To reconnect these cables, press down on one end until it clicks into place, then repeat on the opposite end. Do not press down on the middle. If the connector is even slightly misaligned, the connector can bend, causing permanent damage.

STEP 10 Removing the bracket



- Remove the two 1.3 mm Phillips screws securing the bracket over the front panel sensor assembly connector. ●
- Remove the bracket.

STEP 11 Disconnecting the front panel sensor



- Disconnect the front panel sensor assembly connector from its socket on the logic board.
- This press connector should also be reconnected one end at a time to minimize the risk of bending.

STEP 12 Removing the display assembly



- Remove the display assembly.
- During reassembly, pause here if you wish to replace the adhesive around the edges of the display.

STEP 13 Barometric Vent



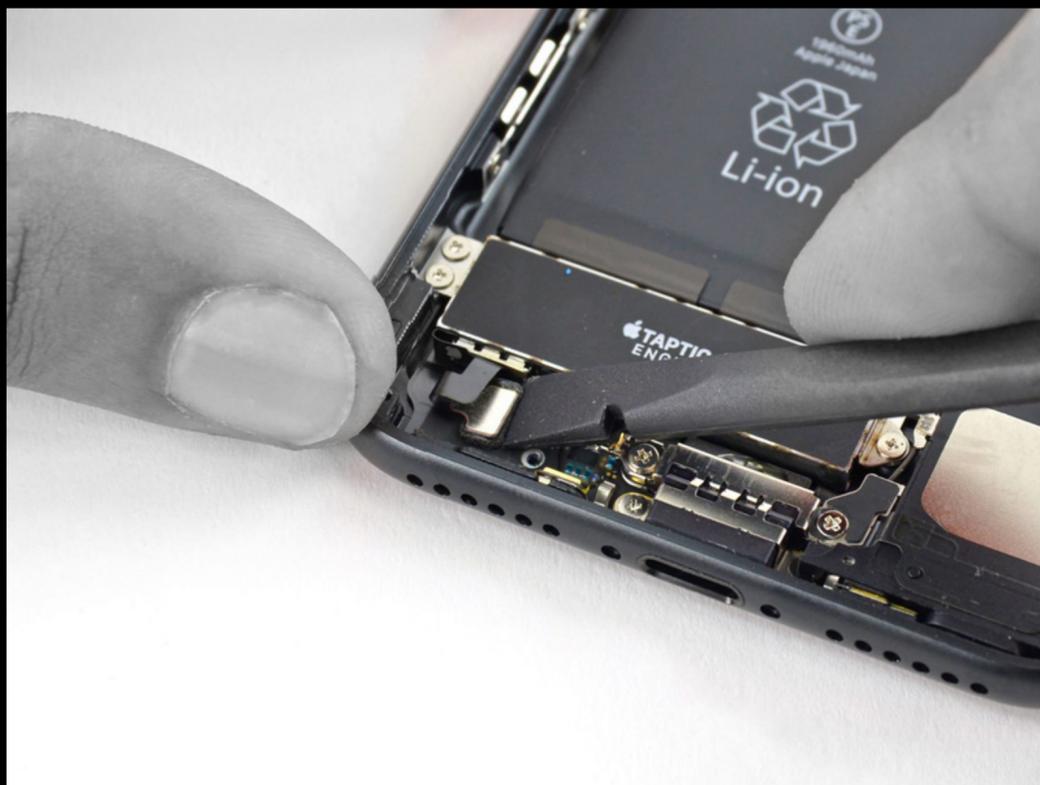
- Remove the two 1.9 mm Phillips screws securing the barometric vent to the rear case. ●

STEP 14 Removing the vent



- Remove the vent.

STEP 15 Taptic Engine



- Use the flat end of a spudger to disconnect the Taptic Engine connector from its socket on the logic board.

STEP 16 Taptic Engine



- Remove the three 1.6 mm Phillips screws securing the Taptic Engine to the rear case. ●

STEP 17 Taptic Engine



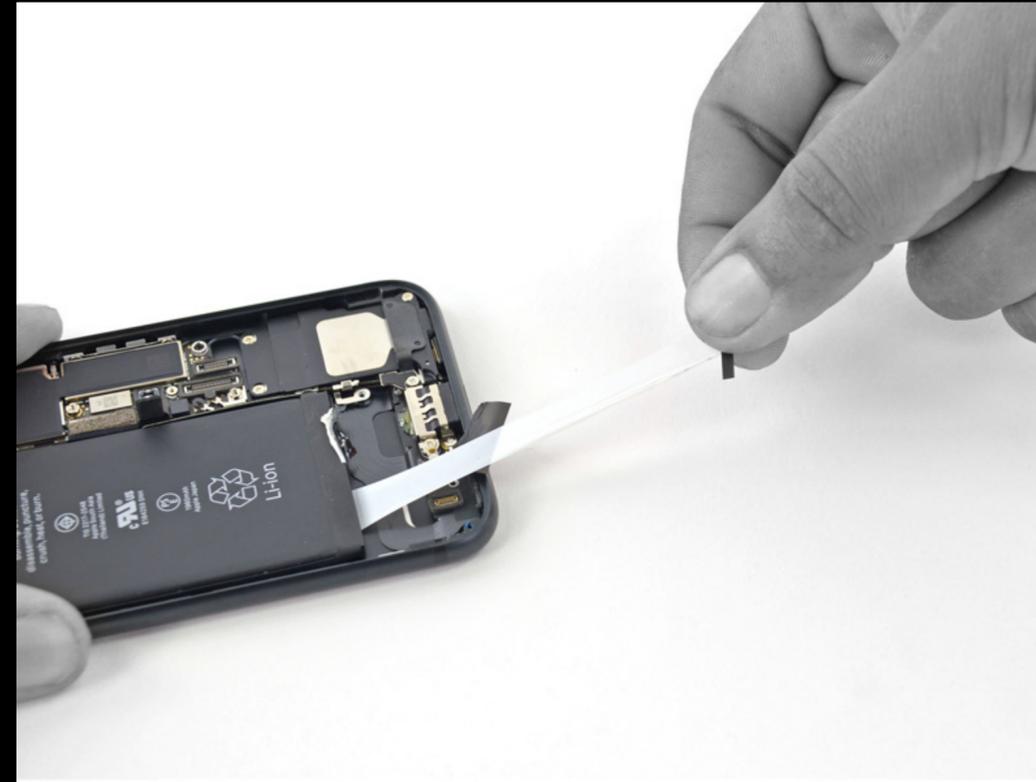
- Remove the Taptic Engine.

STEP 18 Battery



- Use a pair of tweezers with blunt tips to peel back one of the adhesive strips on the lower edge of the battery.
- Use a pair of tweezers with blunt tips to peel back the other adhesive strip on the lower edge of the battery.

STEP 19 Removing the battery



- Slowly pull one battery adhesive tab away from the battery, toward the bottom of the iPhone.
- Pull steadily, maintaining constant tension on the strip until it slips out from between the battery and the rear case. For best results, pull the strip at a 60° angle or less.
- The strip will stretch to many times its original length. Continue pulling and re-grab the strip near the battery if necessary.

STEP 20 Pulling the battery out



- Remove the battery from the rear case.
- When installing the battery, refer to this guide to replace your battery's adhesive strips.
- Perform a force restart after reassembly. This can prevent several issues and simplify troubleshooting.



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