



iPhone 8 Battery Replacement

Prerequisite-only guide to replace the battery in an iPhone 8.

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INTRODUCTION

This is a prerequisite-only guide to replace the battery in an iPhone 8.

This guide instructs you to fully detach the display assembly; this is intended to prevent accidental damage to the display cables. If you feel comfortable removing the battery without putting undue strain on the display cables, you can skip the steps for detaching the display. Additionally, while it's possible to remove the adhesive strips securing the battery as soon as you open the phone, this guide recommends first removing the Taptic Engine. Doing so reduces the risk of breaking the lower adhesive strips accidentally, either by snagging them on the Taptic Engine, or by pulling the strips at too sharp of an angle.

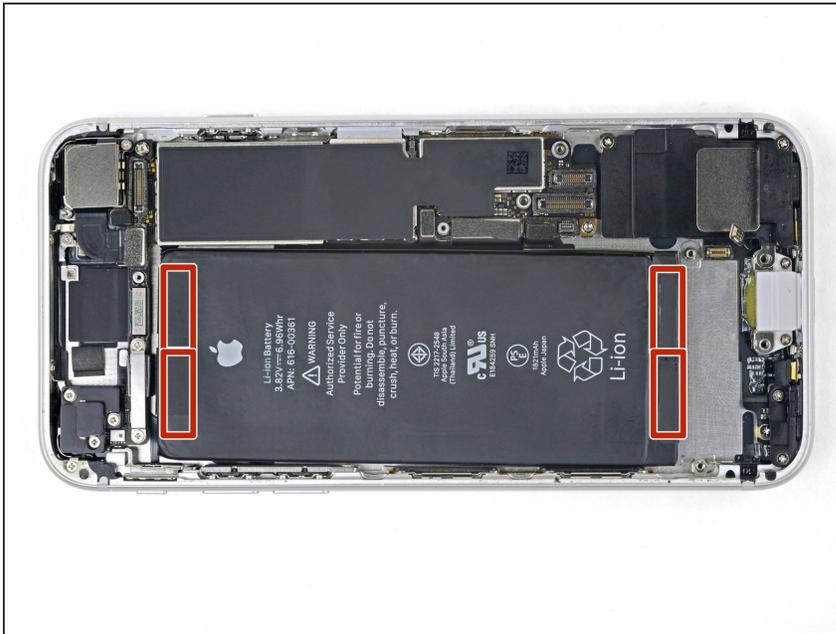
For optimal performance after completing this guide, calibrate your newly installed battery: Drain it below 10%, then charge it uninterrupted to 100%.

Opening the iPhone 8 will damage the waterproof seals on the display. If you do not replace the adhesive seals, your phone will function normally, but will no longer be water-resistant.

TOOLS:

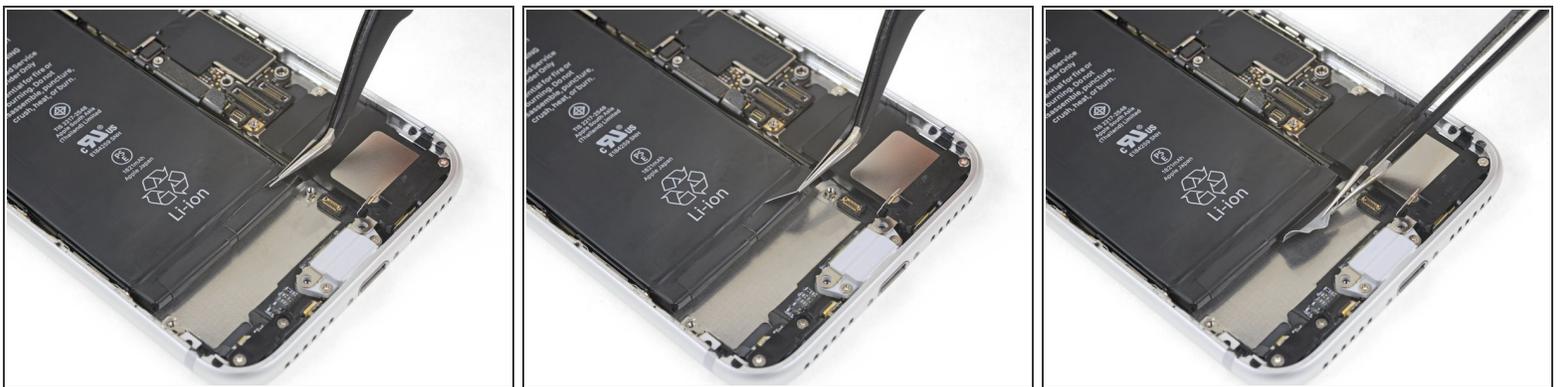
- [Tweezers](#) (1)
 - [iOpener](#) (1)
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Step 1 — Remove the battery adhesive



- i The iPhone's battery is secured by four pieces of stretch-release adhesive—two at the top, and two at the bottom.
- Each piece of adhesive has a black pull-tab at the end, which is lightly adhered to the front surface of the battery.

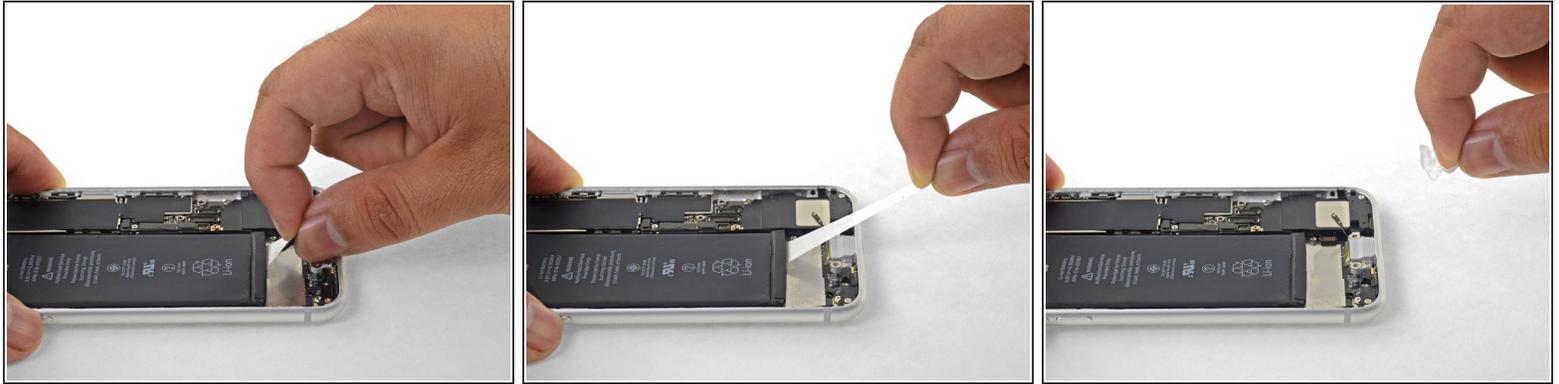
Step 2



- Peel back the first battery adhesive tab from the bottom right edge of the battery.

⚠ If possible, use your fingernails or blunt tweezers. Be careful not to poke the battery with any sharp tools.

Step 3



- ⚠** Try to keep the adhesive strips flat and unwrinkled during this procedure; twisted or wrinkled strips will stick together and break instead of pulling out cleanly.
- ⚠** Additionally, do not press down on the battery as you pull the strips. Pressing on the battery creates pressure points that can snag and break the adhesive.
- **Slowly** pull one battery adhesive tab away from the battery, towards 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 as low an angle as possible**, without snagging it on any of the iPhone's other components.
- i** The strip will stretch to many times its original length. Continue pulling and re-grab the strip near the battery if necessary.
- If the battery adhesive tabs break during the removal process, use your fingers or blunt tweezers to retrieve the remaining length of adhesive, and continue pulling.
- ⚠** If any of the adhesive strips break underneath the battery and cannot be retrieved, try to remove the remaining strips, and then proceed as instructed below.

Step 4



- Repeat the above steps to remove the remaining three adhesive strips.

⚠ Be sure to hold onto the battery as you remove the final strip, or it may fling out of the iPhone unexpectedly.

- If you removed all of the adhesive strips successfully, skip the next step.

⚠ If any of the adhesive strips broke off underneath the battery and could not be retrieved, **continue with the next step below.**

Step 5



- ⓘ If any of the adhesive strips broke off and the battery remains stuck to the rear case, remove it by adding a few drops of isopropyl alcohol (90% or greater) underneath the battery near the stuck strip(s). After about a minute, gently lift the battery.
 - ⚠ Don't try to forcefully lever the battery out. If needed, apply a few more drops of alcohol to further weaken the adhesive. Never deform or puncture the battery with your pry tool.
 - ⚠ If you choose to use pry tools to lift the battery out of the iPhone, use extreme caution or you may damage the ribbon cables or the wireless charging coil directly underneath the battery.
- ⓘ If the battery remains stuck to the rear case, [prepare an iOpener](#) or use a hair dryer to heat the rear case directly behind the battery. This will help soften the adhesive.
 - ⚠ Heat the iPhone until the rear case is slightly too hot to comfortably touch. Don't overheat the iPhone, or you may accidentally ignite the battery.
- ⓘ Alternatively, thread a strong piece of string (such as dental floss or a length of thin guitar string) underneath the battery.
 - Pull the string from side to side in a sawing motion all along the length of the battery to separate the adhesive. **Do not deform or damage the battery.**
 - ⓘ To protect your fingers, wear gloves or wrap the string ends around a tool (such as the two screwdriver handles shown in the image).

Step 6 — Remove the battery



- Remove the battery from the iPhone.
- ☑ If your replacement battery came in a plastic sleeve, slide off and remove the sleeve before installation.
- ☑ If there's any alcohol solution remaining in the phone, carefully wipe it off or allow it to air dry before installing your new battery.
- ☑ If your new battery doesn't have adhesive preinstalled, refer to [this guide](#) to replace the adhesive strips.
- ☑ Perform a [force restart](#) after reassembly. This can prevent several issues and simplify troubleshooting.
- ☑ Before you adhere the replacement battery, temporarily reconnect the battery connector to the logic board socket. This ensures that the battery is properly aligned in its recess.
 - Adhere the battery, disconnect it, and continue reassembling your device.

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.