



Samsung Galaxy A53 5G Battery Replacement

Use this guide to replace a worn-out or dead...

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INTRODUCTION

Use this guide to replace a worn-out or dead battery in your Samsung Galaxy A53 5G.

For your safety, discharge the battery below 25% before disassembling your phone.

This reduces the risk of fire if the battery is accidentally damaged during the repair. If your battery is swollen, [take appropriate precautions](#).

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:

[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 #00 Screwdriver](#) (1)
[Spudger](#) (1)
[Plastic Cards](#) (1)
[Tesa 61395 Double-Sided Tape](#) (1)
[iFixit Adhesive Remover](#) (1)



PARTS:

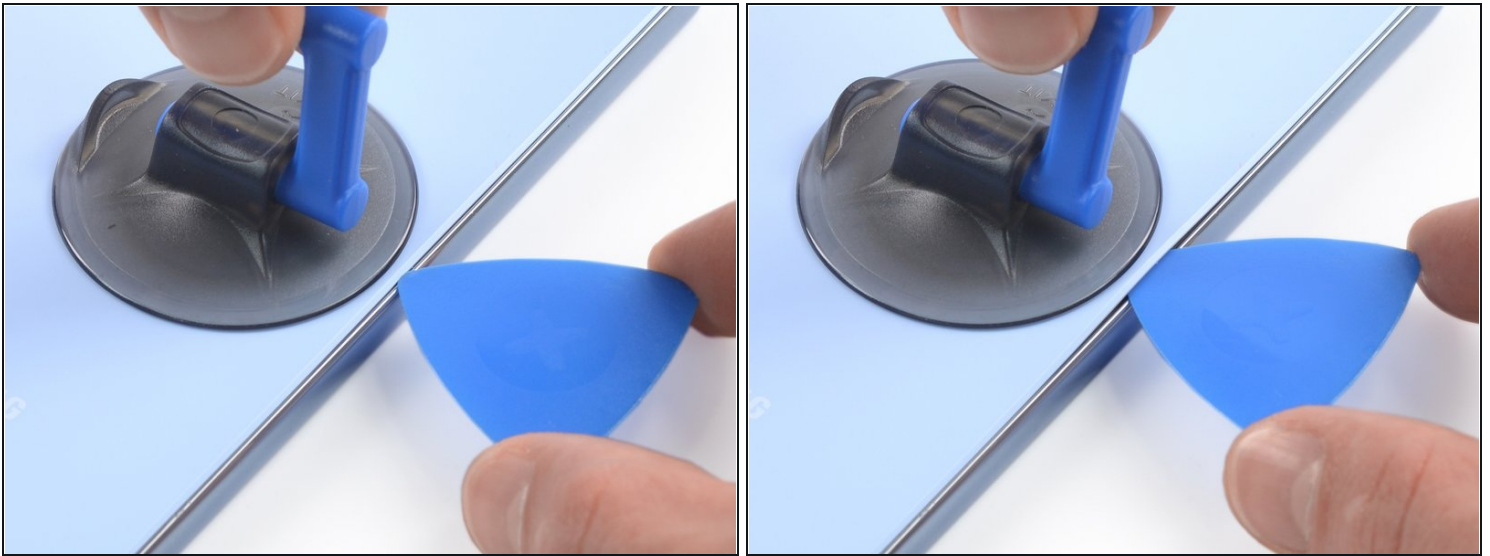
[Tesa 61395 Tape](#) (1)

Step 1 — Heat the back cover



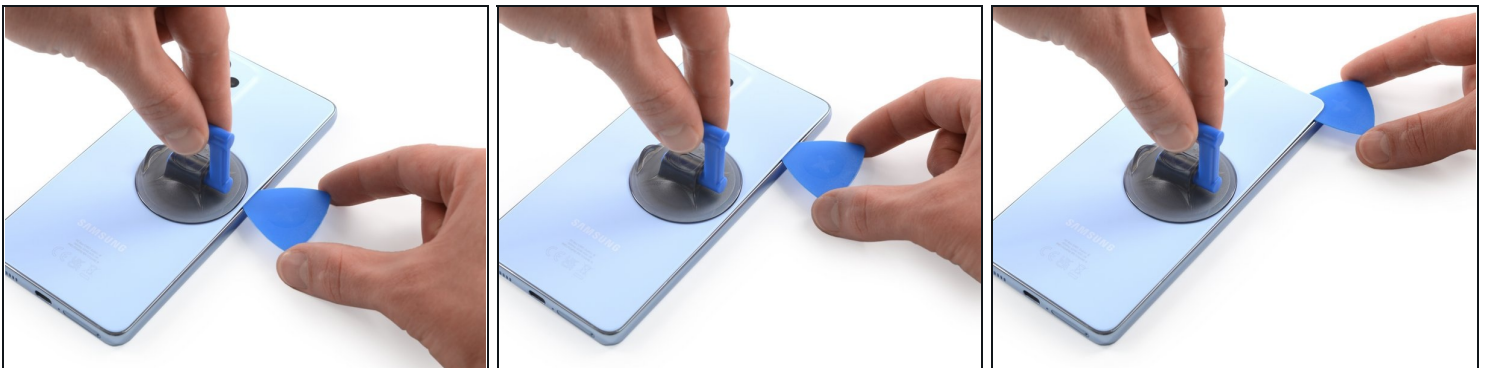
- [Prepare an iOpener](#) and apply it to the back cover for at least two minutes to loosen the adhesive underneath.
- ⓘ A hair dryer, heat gun, or hot plate may also be used, but be careful not to overheat the phone—the display and internal battery are both susceptible to heat damage.

Step 2 — Insert an opening pick



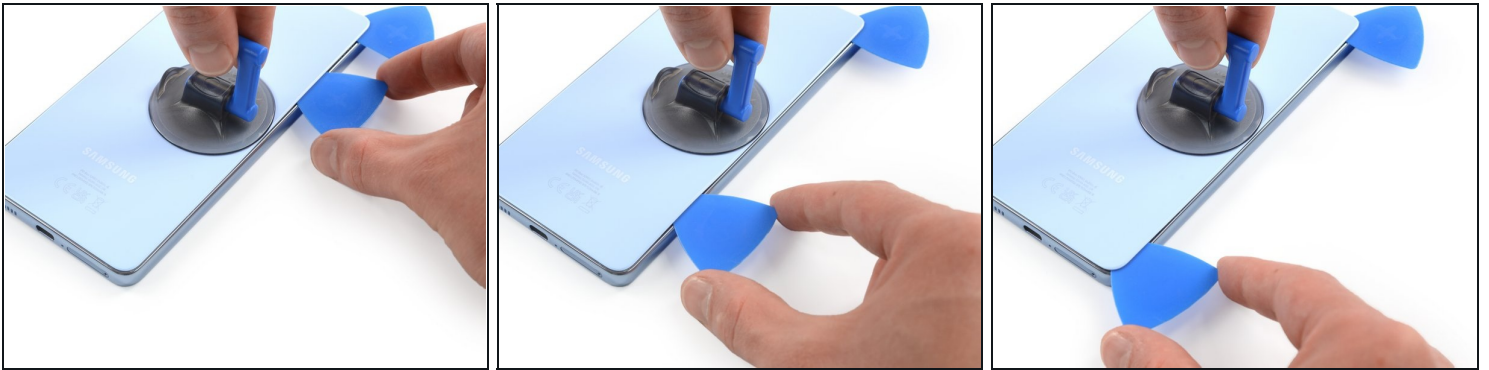
- Secure a suction handle to the right edge of the back cover, as close to the edge as possible.
- Lift the back cover with the suction handle to create a small gap between the back cover and the frame.
 - ① In case you have trouble creating a gap, apply more heat to further soften the adhesive. Follow the [iOpener](#) instructions to avoid overheating.
- Insert an opening pick into the gap you created.

Step 3 — Slice the adhesive



- Slide the opening pick to the top right corner to slice the adhesive.
- Leave the opening pick in place to prevent the adhesive from resealing.

Step 4 — Slice the adhesive



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

Step 5



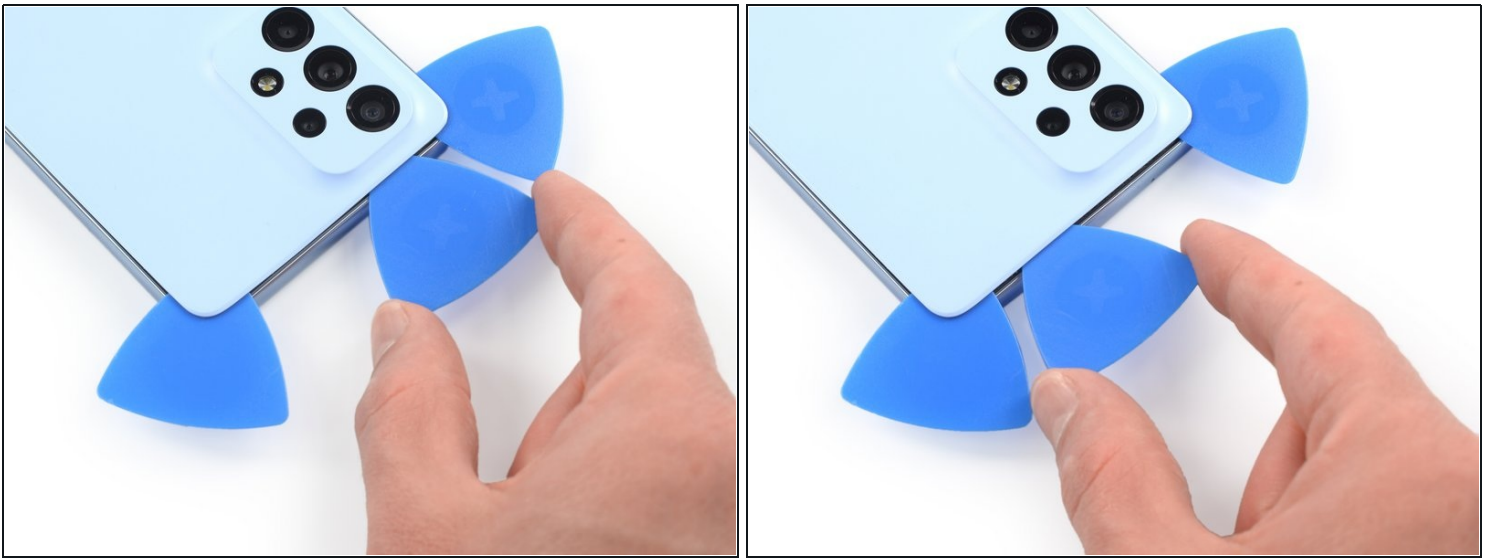
- ⓘ If the adhesive becomes hard to cut, it has most likely cooled down. [Use your iOpener](#) for one to two minutes to reheat it.
- Insert a third opening pick at the bottom right corner of your phone.
 - Slide the opening pick along the bottom edge of your phone to slice the adhesive.
 - Leave the opening pick in the bottom left corner to prevent the adhesive from resealing.

Step 6



- Insert a fourth opening pick at the bottom left corner of your phone.
- Slide the opening pick along the left edge to slice the adhesive.
- Leave the opening pick in the top left corner to prevent the adhesive from resealing.

Step 7



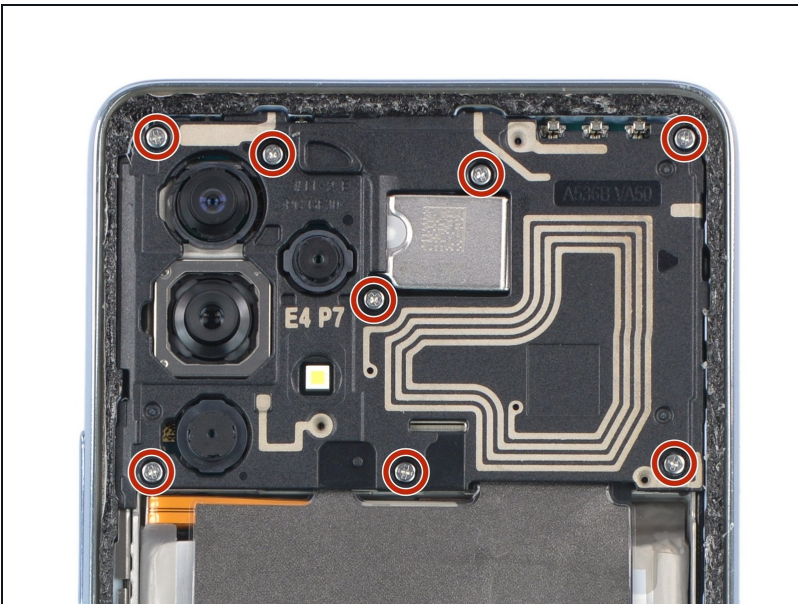
- Insert a fifth opening pick at the top left corner.
- Slide the opening pick along the top edge of the back cover to slice the remaining adhesive.

Step 8 — Remove the back cover



- Remove the back cover.
- ★ Apply new adhesive where necessary after cleaning the relevant areas with isopropyl alcohol (>90%).
- ★ [Secure the new back cover with pre-cut adhesive](#) or double-sided adhesive tape. After installing the back cover, apply strong, steady pressure to your phone for several minutes to help the adhesive form a good bond—a stack of heavy books works well.

Step 9 — Unscrew the motherboard cover



- Use a Phillips screwdriver to remove the eight 3.9 mm-long screws securing the motherboard cover.

Step 10 — Pry up the motherboard cover



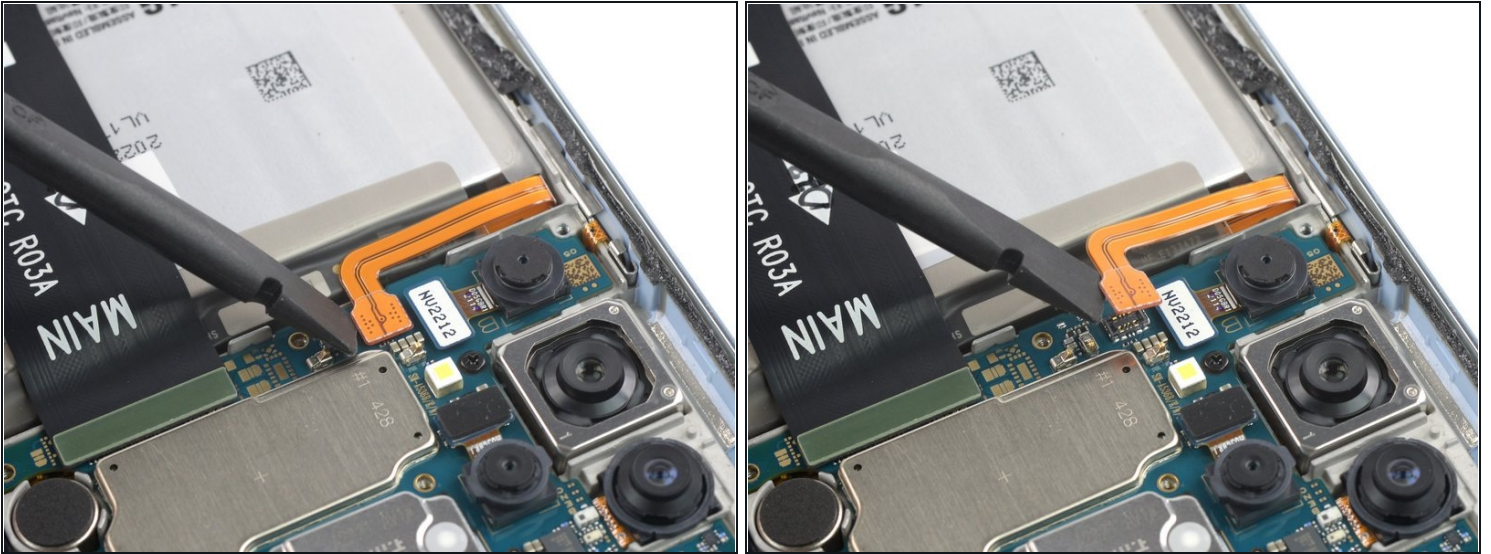
- Insert the flat end of an spudger into the gap between the frame and the motherboard cover on the right edge.
- Use the spudger to pry up the motherboard cover.

Step 11 — Remove the motherboard cover



- Remove the motherboard cover.

Step 12 — Disconnect the battery cable



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

Step 13 — Unfasten the loudspeaker screws



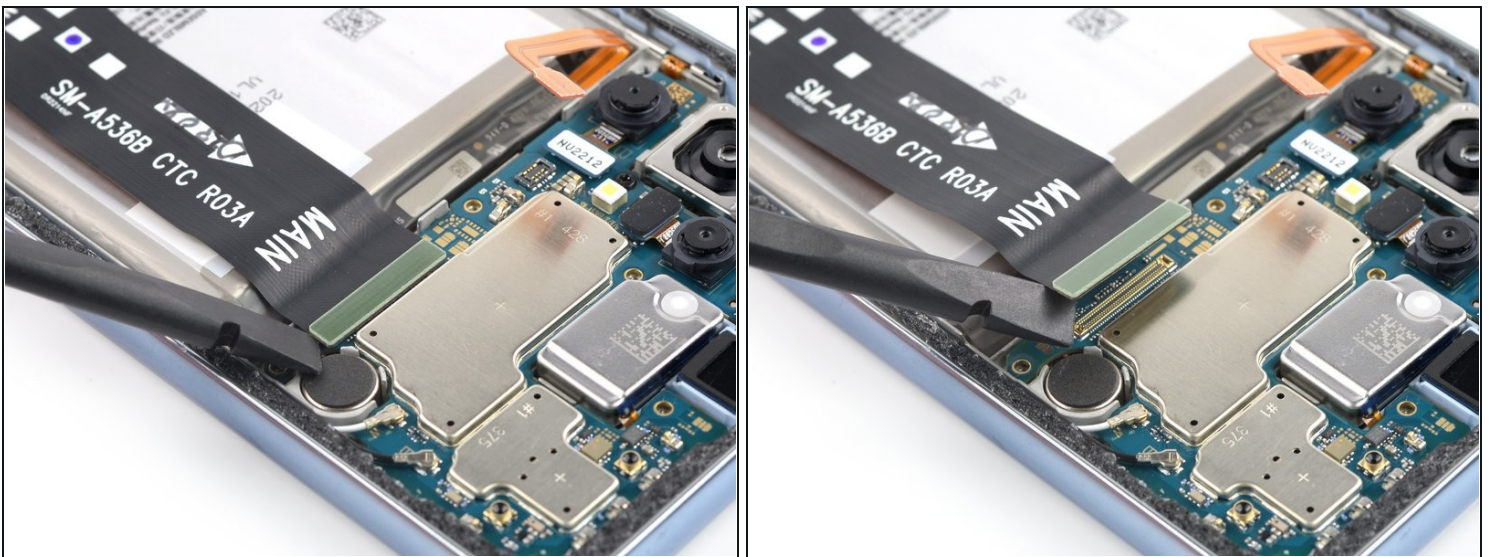
- Use a Phillips screwdriver to remove the seven 3.9 mm-long screws securing the loudspeaker assembly.

Step 14 — Remove the loudspeaker



- Insert the flat end of a spudger into the gap between the right edge of the loudspeaker assembly and the midframe.
- Use your spudger to pry up the loudspeaker assembly.
- Remove the loudspeaker assembly.

Step 15 — Disconnect the interconnect cable



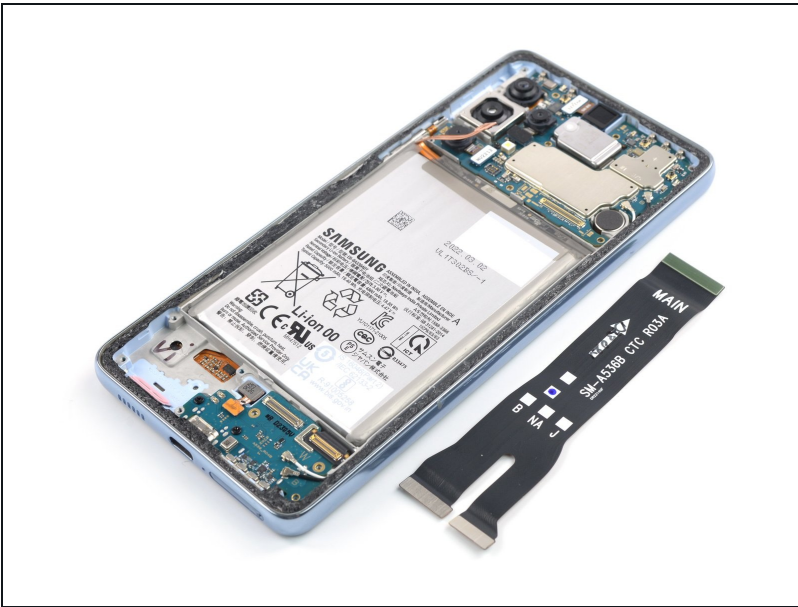
- Use a spudger to disconnect the interconnect cable from the motherboard by prying the connector straight up from its socket.

Step 16 — Disconnect the interconnect cable



- Use a spudger to disconnect the interconnect cable from the daughterboard by prying the two connectors straight up from their sockets.

Step 17 — Remove the interconnect cable



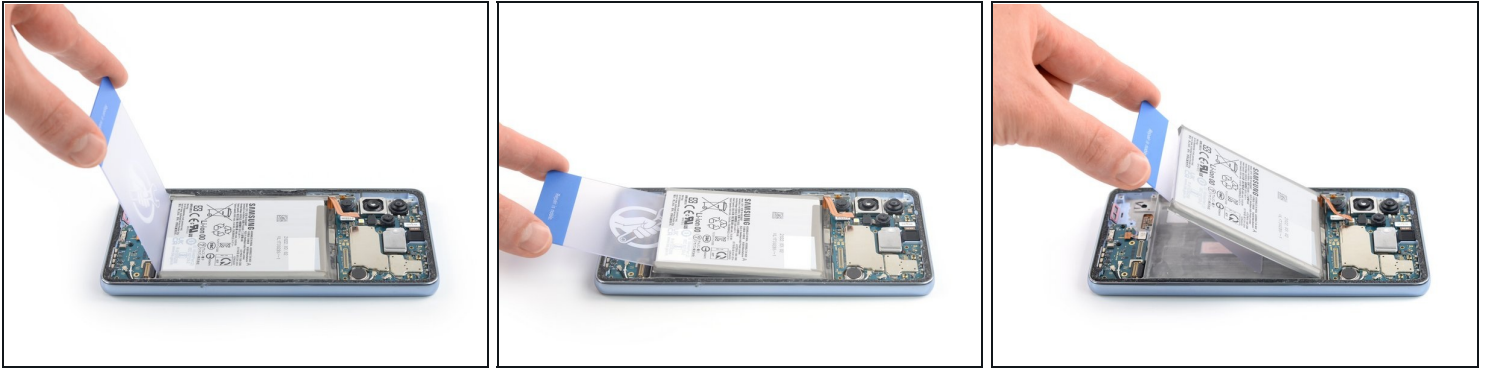
- Remove the interconnect cable.

Step 18 — Loosen the battery adhesive



- Apply a [heated iOpener](#) to the screen to loosen the adhesive underneath the battery. Apply the iOpener for at least five minutes.
 - ⓘ A hair dryer, heat gun, or hot plate may also be used, but be careful not to overheat the device.
- ⚠ Do not apply heat directly onto the battery as doing so is a potential safety hazard.

Step 19 — Insert a plastic card



⚠ Take care not to puncture or bend the battery with your tool—a punctured or bent battery may leak dangerous chemicals or cause a fire.

- Insert a [plastic card](#) into the gap between the bottom edge of the battery and the frame.
 - Use the plastic card to slice the adhesive underneath the battery and pry it up.
- ⓘ The battery adhesive of the Samsung Galaxy A53 5G is strong. If you can't manage to remove the battery by only using your iOpener, you can [apply a few drops of high concentration isopropyl alcohol](#) (over 90%) into the gaps between the battery and the midframe.
- If you're using isopropyl alcohol let the alcohol penetrate the battery adhesive for at least two minutes before attempting to remove the battery.

Step 20 — Remove the battery



- Remove the battery.
- ✦ [Secure the new battery with pre-cut adhesive](#) or double-sided adhesive tape. In order to position it correctly, apply the new adhesive into the device at the places where the old adhesive was located, not directly onto the battery. Press the new battery firmly into place.
- ✦ During reassembly, temporarily reconnect the battery to the motherboard to help align it correctly. Disconnect the battery after it is seated.

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

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

For optimal performance, [calibrate your newly installed battery](#) after completing this guide.

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.