

Motorola Moto G6 Battery Replacement

Use this guide to replace a dead or low...

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INTRODUCTION

Use this guide to replace a dead or low battery.

Before you begin, download the [Rescue and Smart Assistant](#) app to backup your device and diagnose whether your problem is software or hardware related.

If your battery is swollen, [take appropriate precautions](#).



TOOLS:

[Phillips #00 Screwdriver](#) (1)
[Suction Handle](#) (1)
[iFixit Opening Picks \(Set of 6\)](#) (1)
[iOpener](#) (1)
[Spudger](#) (1)
[Tweezers](#) (1)



PARTS:

[Tesa 61395 Tape](#) (1)
[Moto G6 Battery - Genuine](#) (1)
[Moto G6 Battery Adhesive Strips](#) (1)

Step 1 — Remove the Rear Glass



⚠ Power your phone off before you begin.

- If possible, drain the battery before disassembly. When the battery is charged, there's an increased risk of a dangerous thermal event if the battery is overheated or damaged during repairs.

i If the rear glass is cracked, completely [cover it with packing tape](#) to contain the glass shards and avoid injury.

- [Prepare an iOpener](#) and heat the back of the phone along its bottom edge for about two minutes, or until it's slightly too hot to touch. This will help soften the adhesive securing the rear glass.

i You may need to reheat and reapply the iOpener several times to get the phone warm enough. Follow the iOpener instructions to avoid overheating.

⚠ 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



- Apply a suction cup to the bottom edge of the rear glass.
- Pull up on the suction cup with firm, constant pressure to create a slight gap between the rear glass and the frame.
 - ① If the glass is cracked, the suction cup may not stick. [Try lifting it with strong tape](#), or superglue the suction cup in place and allow it to cure so you can proceed.
 - ① This may require a significant amount of force, but you only need to open a very slight gap with the suction cup to insert your tool.
- If you have trouble, apply more heat to further soften the adhesive, and try again. The adhesive cools quickly, so you may need to heat it repeatedly.
- Insert an opening pick into the gap you created under the rear glass.

Step 3



- Slide the pick all along the bottom edge of the phone to slice through the adhesive securing the rear glass.

⚠ Slow down and slice very carefully as you get to the corners. The curved part of the glass along the left and right edges can crack very easily if the pick pushes up against the curved glass.

- i** After being cut, the adhesive will sometimes stick back together as it cools. To prevent this you can leave the pick in this edge after cutting, and continue the next steps with a new pick. Repeat this with each edge, leaving a pick and continuing with a new one.

Step 4



- Heat the right edge of the back of the phone to soften the adhesive underneath.

Step 5



- Slide the pick along the right edge of the rear glass to separate the adhesive underneath.

Step 6



- Heat the top edge of the back of the phone to soften the rear glass adhesive.

Step 7



- Slide the pick all along the top edge of the phone to slice through the adhesive securing the rear glass.

⚠ Slow down and slice very carefully as you get to the corners. The curved part of the glass along the left and right edges can crack very easily if the pick pushes up against the curved glass.

Step 8



- Heat the left edge of the back of the phone to soften the adhesive underneath.

Step 9



- Slide a pick along the left edge of the phone to slice through the rear glass adhesive.

Step 10



- If the glass remains stuck, re-heat and slice the adhesive repeatedly as needed.
- Lift the rear glass carefully, making sure it's fully separated from any adhesive.
- Remove the rear glass.
- ☑ During reassembly, pause here to [replace the adhesive on the rear glass](#) using a precut adhesive card or high-strength double-sided adhesive tape, such as [Tesa 61395](#).
- ☑ After closing your device back up during reassembly, stack something heavy, like a textbook or two, on top of the device for 30-60 minutes. This ensures a strong adhesive bond.

Step 11 — Remove the Battery Tape



- Use a pair of tweezers to carefully peel up the black tape covering the battery.
- Remove the tape.
- ❗ If possible, keep the tape intact so it can be reused during reassembly.

Step 12 — Remove the Plastic Cover



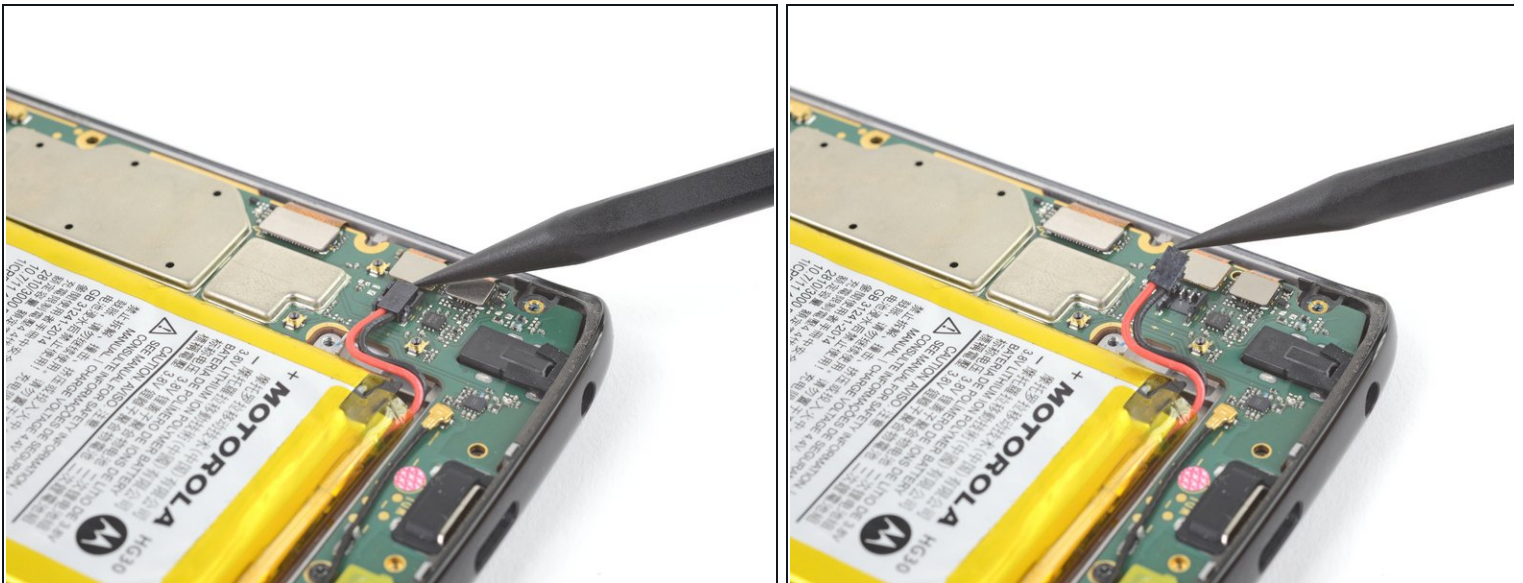
- Use a Phillips driver to remove seventeen screws securing the plastic cover:
 - Eleven grey 3 mm-long screws
 - Five black 2.5 mm-long screws
 - One silver 3.5 mm-long screw

Step 13



- Insert the pointed end of a spudger into the notch at the top left edge of the plastic cover.
- Pry up with the spudger to lift the upper edge of the cover and release the clips holding the cover down.
- Remove the plastic cover.

Step 14 — Disconnect the Battery



- Use the pointed end of a spudger to pry up the battery connector and disconnect it.
- ☒ During reassembly, this is a good point to power on your phone and test all functions before sealing it up. Be sure to power your phone back down completely before you continue working.

Step 15 — Soften the Battery Adhesive



- [Prepare an iOpener](#) and apply it to the right half of the screen for at least two minutes, in order to soften the battery adhesive underneath. Reheat and reapply the iOpener as needed.

⚠ Be careful not to overheat the battery or display with the iOpener. If you notice the battery swelling at all, immediately remove any heat and let the battery cool down.

- ① Alternatively, [apply some isopropyl alcohol](#) under each corner of the battery and allow it to penetrate for several minutes to help weaken the adhesive.

Step 16 — Remove the Battery



- Use an opening pick to steadily pry the battery up, starting from the outer edge of the battery.
- ❗ You may need to reheat and reapply the iOpener repeatedly to further soften the adhesive. The adhesive is tough and it may take a few tries to get the pick started under the battery. If the battery begins bend out of shape, apply more heat or isopropyl alcohol and pry slower.
- ⚠ Try your best not to deform the battery during this process. Soft-shell lithium-ion batteries can leak dangerous chemicals, catch fire, or even explode if damaged. Do not use excessive force or pry at the battery with metal tools.
- Remove the battery.
- ⚠ Reinstalling a damaged or deformed battery is a safety hazard. Replace it with a new battery.
- ✦ During reassembly, remove any remaining tape under the battery and clean any residual adhesive with isopropyl alcohol. If you are reusing the screen assembly, apply new precut battery adhesive or high-strength double-sided tape to the battery well before pressing the new battery into place.

Compare your new replacement part to the original part—you may need to transfer remaining components or remove adhesive backings from the new part before installing.

To reassemble your device, follow the above steps in reverse order.

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

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 [Motorola Moto G6 Answers community](#) for help.

