Motorola Moto G 1st Generation Battery Replacement

This guide will show you how to replace the battery in your Moto G.

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INTRODUCTION

If your phone does not charge or hold a charge, it might be time to replace the battery. Replacing the battery is quite simple.

If your battery is swollen, take appropriate precautions.

🔧 **TOOLS:**

- iFixit Opening Tools (1)

⚙ **PARTS:**

- Motorola Moto G Replacement Battery (1)

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Step 1 — Removing the Cover

- You can remove the outer cover on the back of the phone by using a plastic opening tool. After removal the inner back cover will be exposed as shown.

- This part is moderately difficult, especially if you've never taken the outer back cover off before this point.

- It may take you several tries, but please be patient. The cover is surprisingly flexible, but not enough to withstand a lot of pressure.

Step 2

- Shut down the phone.

- Push SIM card until it pops out.

- Remove SIM card.

- ⓘ In some version of this phone, a microSD memory card can be installed. If so, you must also remove these cards.

  - Be careful as to not damage the microSD memory card. Unlike the SIM card, pushing this in may not spring release, as there may not be an eject mechanism.

  - If there is no spring release eject mechanism, hopefully your microSD card has a ridge/raised edge that you can push on with your fingernail or plastic/rubber tool to push the card out. This may be difficult - be patient and do not use excessive force/sharp tools that could cause permanent damage and permanent loss of data.

Step 3 — Removing the Back Plate

- Using a T5 Torx screwdriver head, take out the 14 screws (3.5 mm diameter and 5 mm long) that hold the back plate in place.

- Make sure to keep all of the screws together, as they are very easily lost.

- The magnetic project mat or a container is a great way to keep all the little metal screws as well as other small metal pieces from being lost.

Step 4 — The Inside of your Phone

- Use the plastic opening tool to take out the inner back cover after all the screws have been removed.

- This will expose the motherboard and the attached battery.

- Take note that once the inner back cover is removed the volume and power buttons on the side can easily fall out or be removed.

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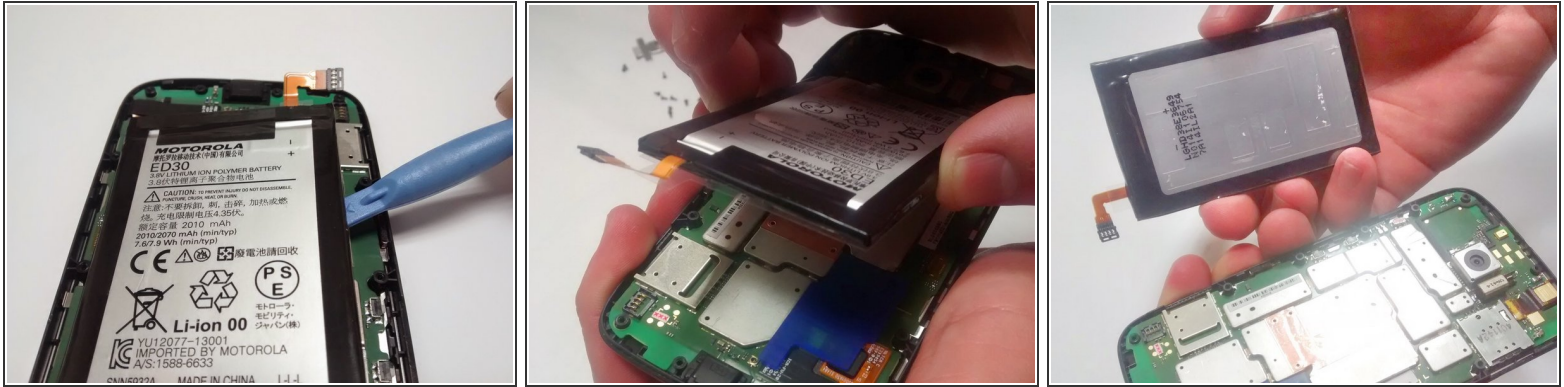
Step 5 — The Battery

- When you remove the back inner cover, the battery will be exposed on the motherboard. The label is upside down, so do not be alarmed.

- It is attached by adhesive and connected to the motherboard by an electrical ribbon. So a plastic pry tool will be needed for this task.

Step 6 — Unplugging the Battery

- The battery is attached to the motherboard via an orange ribbon and a plug.

- Use a flat pry tool to unplug the ribbon from the motherboard. Place the tool underneath the right edge and push up. The plug should come free with minimal resistance.

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Step 7 — Removing the Battery

- The right edge of the battery will give you the most leverage when removing the battery from the motherboard.

- Use the pry tool to lift the edge of the battery. Remember: the battery is attached using adhesive.

- You will meet a lot of resistance in this step. If the battery seems like it is pulling too much at the motherboard, try moving the tool along the edges to work the battery free.

- Try not to rush. It is important that you don't ruin anything in the process of removing the battery. The battery will come free, it will just take some patience and finding the right spot to lift the battery free of the motherboard.

Step 8 — Replacing the Battery

- Once the battery is removed, you will be able to replace it by fitting the new battery underneath back camera (the raised silver box on the motherboard) and plugging the ribbon in.

- When putting the new battery in, make sure the blue cover (shown in the top left orange circle) is in place. It is a protector for delicate circuitry, so it is important that the cover is in its place when the battery is put in.

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