

# Motorola Moto G 3rd Generation Battery Replacement

This guide will show you how to replace the...

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# INTRODUCTION

This guide will show you how to replace the battery of your Motorola Moto G 3rd Generation. Replacing this part requires disassembling much of the phone.

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](#).

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## TOOLS:

[Mako Driver Kit - 64 Precision Bits](#) (1)

[Heat Gun](#) (1)

*Alternative to iOpener*

[iFixit Opening Picks \(Set of 6\)](#) (1)

[iOpener](#) (1)

[iFixit Opening Tool](#) (1)

[X-ACTO Knife](#) (1)

[adhesive tape 3 mm](#) (1)

*Used for securing the new battery.*

[Spudger](#) (1)

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## PARTS:

[Moto G3 Battery - Genuine](#) (1)

## Step 1 — Display



- Use your fingernail to pry under the notch on the bottom of the phone and remove the back cover.

**⚠ Make sure to fully power off the phone before you begin disassembly.**

## Step 2



- ⓘ Use a heat gun or an iOpener as a heating tool. This [guide](#) explains how to use the iOpener.
- Evenly apply heat to the edges of the touchscreen to loosen the adhesive. Continue to Step 3 once the edge of the screen is warm to the touch.
- ⚠ Do not let the iOpener/heat gun remain on one spot for too long. Excess heat can damage the phone.
- 🔧 When reassembling the phone, use the iOpener/heat gun to help the adhesive fuse to the new screen. Heat the screen edges, apply pressure to the screen, and hold the screen in place until it is secure.

## Step 3



- As the adhesive loosens, pry up an edge of the screen with a plastic opening tool or an opening pick. A suction cup may also be useful here.
- Use an opening pick to hold that edge in place and continue this process around the entire screen, applying more heat as necessary.

**⚠ Avoid damaging the LCD screen connector while prying along the screen edges. It is located on the left edge of the phone, across from the volume controls.**

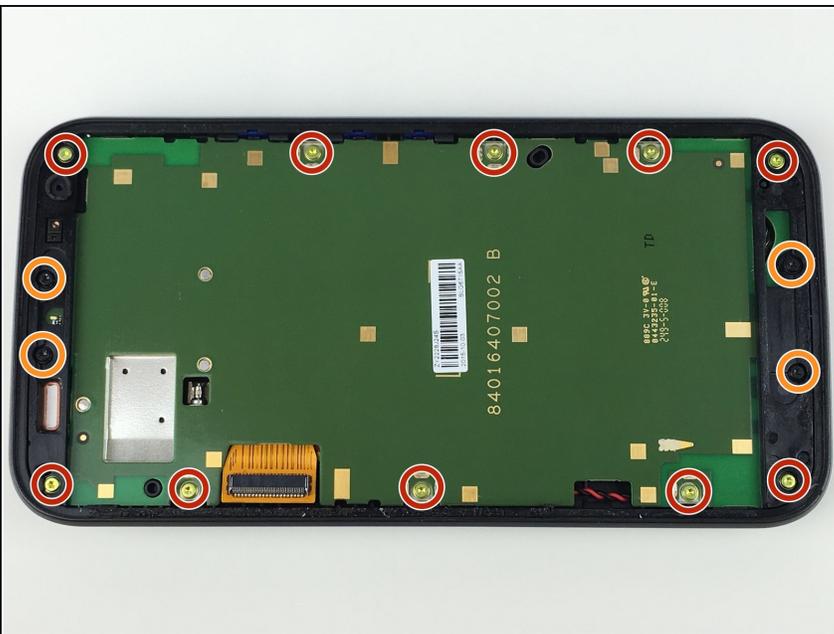
- ☑ During reassembly, new adhesive may need to be applied over the old adhesive to properly secure the screen.

## Step 4



- Use a plastic opening tool to flip up the lock on the display cable ZIF connector.
- Pull the display cable from its socket on the motherboard.
- ☑ When installing a new display, carefully remove all remaining adhesive from the phone, and clean the adhered areas with isopropyl alcohol (90% or greater) and a lint-free cloth. Install the display using pre-cut adhesive or a strong double-sided tape such as [Tesa 61395](#). Turn your phone on and test your repair before sealing the display in place.

## Step 5 — Motherboard



- Remove the ten 2.4 mm T4 screws from the sides of the motherboard.
- Remove the four 4.5 mm T4 screws from the top and bottom of the motherboard.

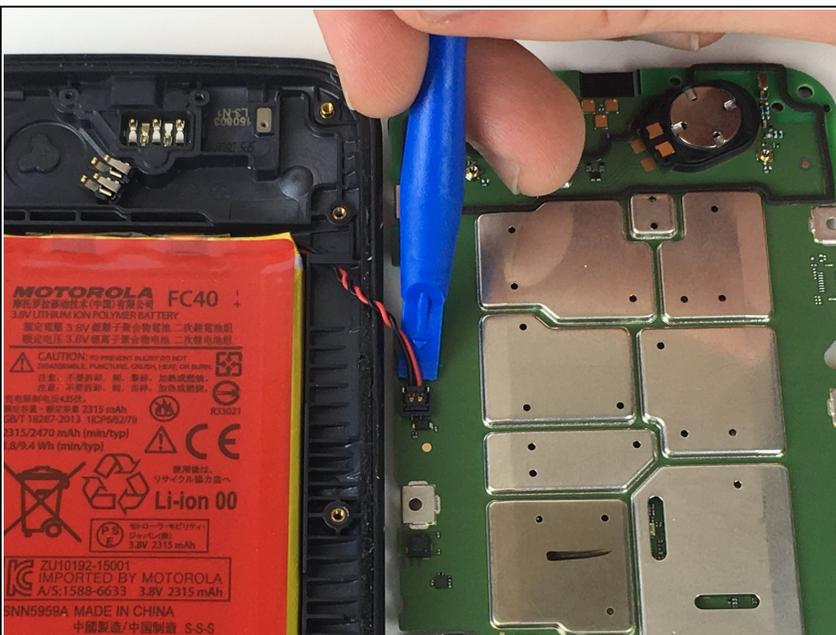
## Step 6



- If adhesive residue is holding the motherboard in place, use a Jimmy to cut the adhesive between the motherboard and the back of the phone.
- Carefully lift the right edge of the motherboard from the phone.

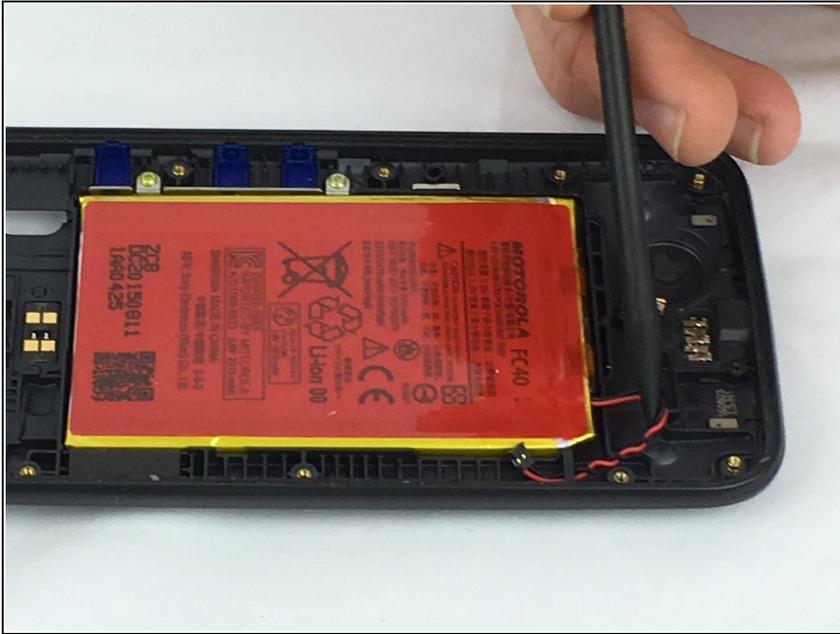
**⚠️ Avoid pulling on the battery wires, which connect the left underside of the motherboard to the battery.**

## Step 7



- Use a plastic opening tool to disconnect the battery wires from the motherboard.

## Step 8 — Battery



- Use a spudger to carefully pull the battery wire connector out from under the bridge.

## Step 9



- Pry the battery out of the casing using a spudger.
- ⓘ If the battery is hard to pry out, you may need to first apply some heat from the back of the cover using a heat gun or iOpener.
- ☑ When inserting a new battery, new adhesive or tape may be needed to secure it in place.
- ⚠ **Work carefully. Li-ion batteries can react violently if punctured.**

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