



# Motorola Moto X 2nd Generation Battery Replacement

How to remove and replace the battery on a Motorola Moto X 2nd Generation Smartphone

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## INTRODUCTION

The battery is a delicate and critical component of a cell phone, and great care should be taken when replacing it. The Motorola Moto X 2nd generation phone battery can be replaced without any specialized skills and only a few standard maintenance tools. Make sure to power off the phone completely and disconnect from all cables. You should always back up your phone data when replacing a critical component to avoid any losses due to accidental damage. Take additional care [if the battery is swollen.](#)

### TOOLS:

- [T4 Torx Screwdriver](#) (1)
- [Spudger](#) (1)
- [iFixit Opening Picks set of 6](#) (1)
- [SIM Card Eject Tool](#) (1)

### PARTS:

- [Motorola Moto X \(2nd Gen\) Replacement Battery](#) (1)
- [Moto X2 back cover adhesive sticker](#) (1)

## Step 1 — Battery



- Remove the SIM card tray by inserting the SIM card eject tool into the small hole on the tray.

## Step 2



- Insert a SIM eject tool into the SIM tray slot, and through a [small hole](#) in the mid frame.
- Push the SIM eject tool through the hole and against the back cover to lift the cover slightly.
- Insert an opening pick into the gap created with the SIM eject tool, and slide the pick around the edge of the cover to cut the cover's adhesive.
- ⚠ Cut carefully near the volume buttons, to avoid damaging the delicate [ribbon cables](#) in that area under the cover.
- Remove back cover.

### Step 3



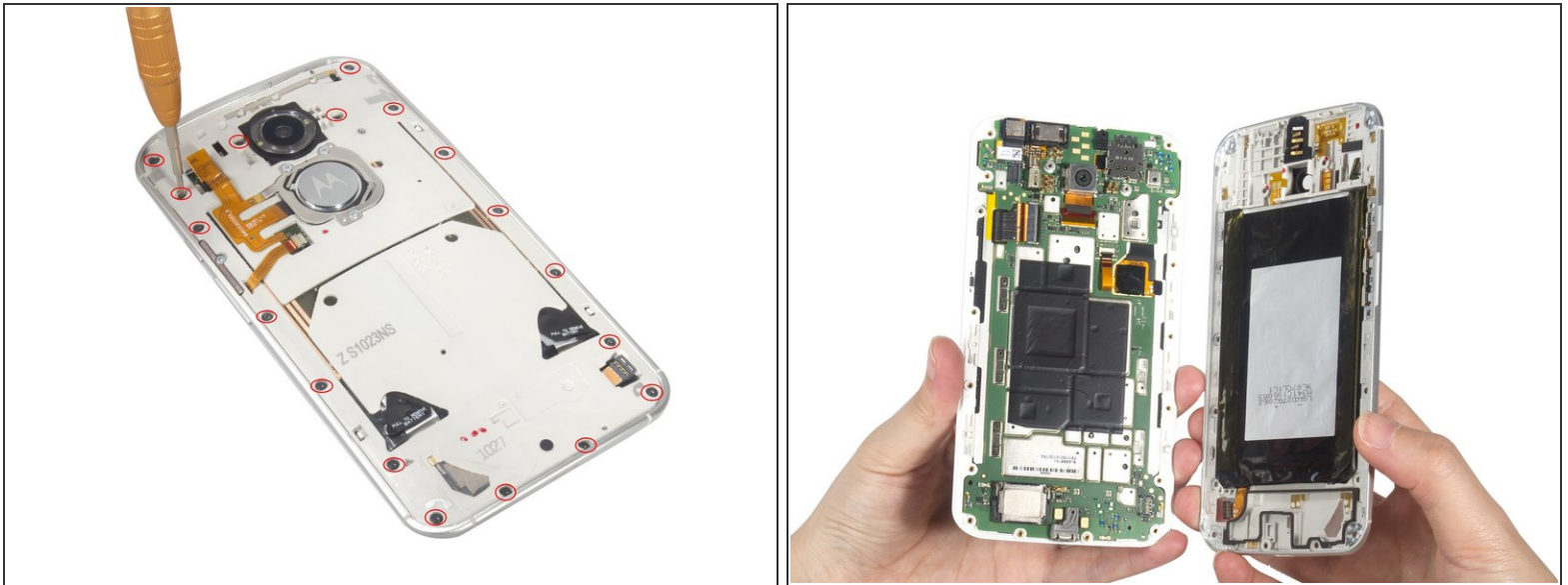
- Remove the rubber covers from the two connector pieces indicated in the photo

### Step 4



- Use the spudger to release the connectors from under the covers.

## Step 5



- Remove the screws and then remove the middle housing from front assembly.

## Step 6



- Remove the logo, as the flex cable under the logo is fastened to the back of the battery. This can be done by removing the three surrounding screws, and then prying off the structure that encapsulates the logo.

## Step 7



- Use the flat end of a spudger to gently pry up the ribbon cable in the two places where it is adhered to the battery.


## Step 8



- Lift one of the two battery adhesive tabs and pull firmly and steadily toward the bottom edge of the phone, until the adhesive strip slides all the way out from between the battery and the phone.
- Repeat for the other adhesive tab.
- Remove the battery.

## Step 9



 If the adhesive strips do not fully come out you will need to pry it out from the other side, but be VERY careful as the NFC coil is under the battery and can be ripped easily.

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

After completing this guide, [calibrate your newly-installed battery](#).