



# Motorola Droid 4 Motherboard Replacement

This guide explain step by step how to remove the Motherboard.

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## INTRODUCTION

In this guide we provided the necessary information to help you remove the motherboard on your Droid 4. This will help if your phone have a defective motherboard or if there is a need to replace any component attached to the motherboard.

You will need to remove several torx head screws. Make sure to use the correct type.

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### TOOLS:

- [Motorola Rear Cover Removal Tool](#) (1)
  - [Spudger](#) (1)
  - [T5 Torx Screwdriver](#) (1)
  - [iFixit Opening Tools](#) (1)
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## Step 1 — Removing Rear Panel



To unlock the rear cover, insert the rear cover removal tool (packaged with your smartphone) in the hole near the back camera lens, then slide the cover down to remove.



If you have any problems unlocking or removing the rear cover, please take your smartphone to any Verizon Wireless store for assistance.

- Insert the rear cover removal tool, or a paper clip, in the hole near the back camera lens.
- Slide the cover down to remove.

## Step 2 — Battery



- Remove the sticker on the rear compartment to reveal the battery.
- ⚠ Hold the battery with your thumb while removing the sticker or you might end up ripping the battery out of the phone, damaging the flex cable.

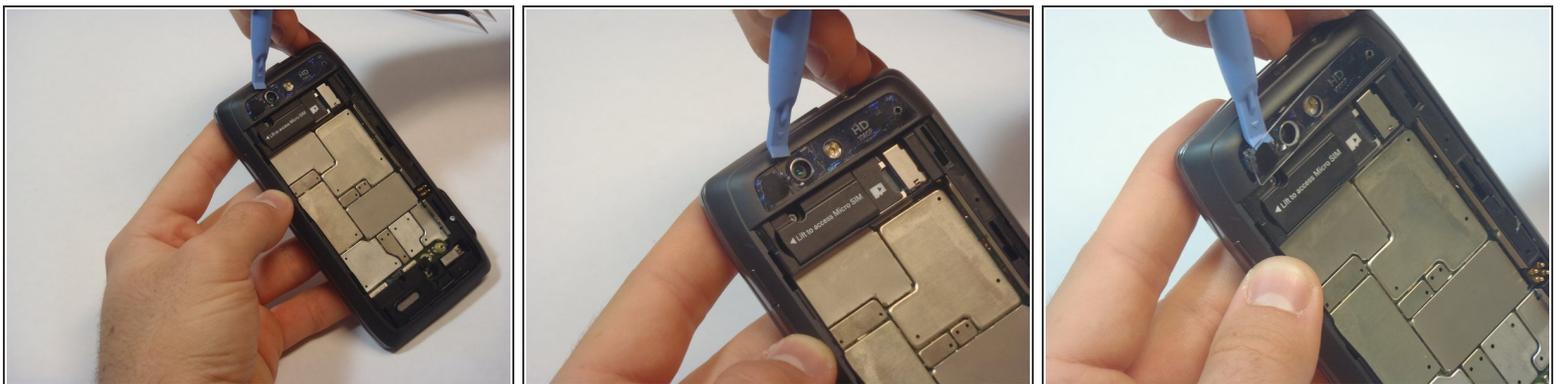
### Step 3



- Use the [T5 Torx Screwdriver](#) to remove both 2.5 mm screws from the battery cable.
- Use the [Spudger](#) to unstick the battery.

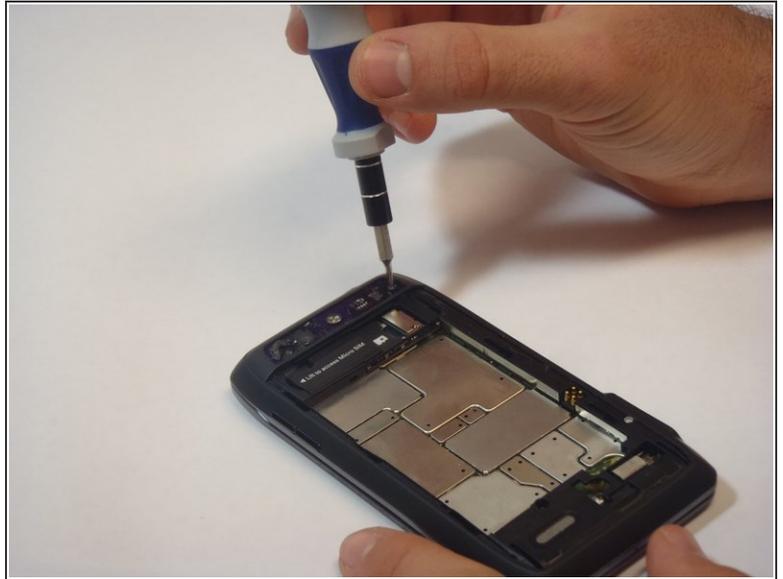
 It's difficult to remove the battery without a pry tool like the spudger because of the strong adhesive. If you try removing it with just your fingers, the battery may bend.

### Step 4 — Camera Cover Removal



- Using the blue plastic opening tool, pry off the thin plastic camera cover.
-  The plastic cover is fragile, so proceed carefully.

## Step 5 — Remove Screws



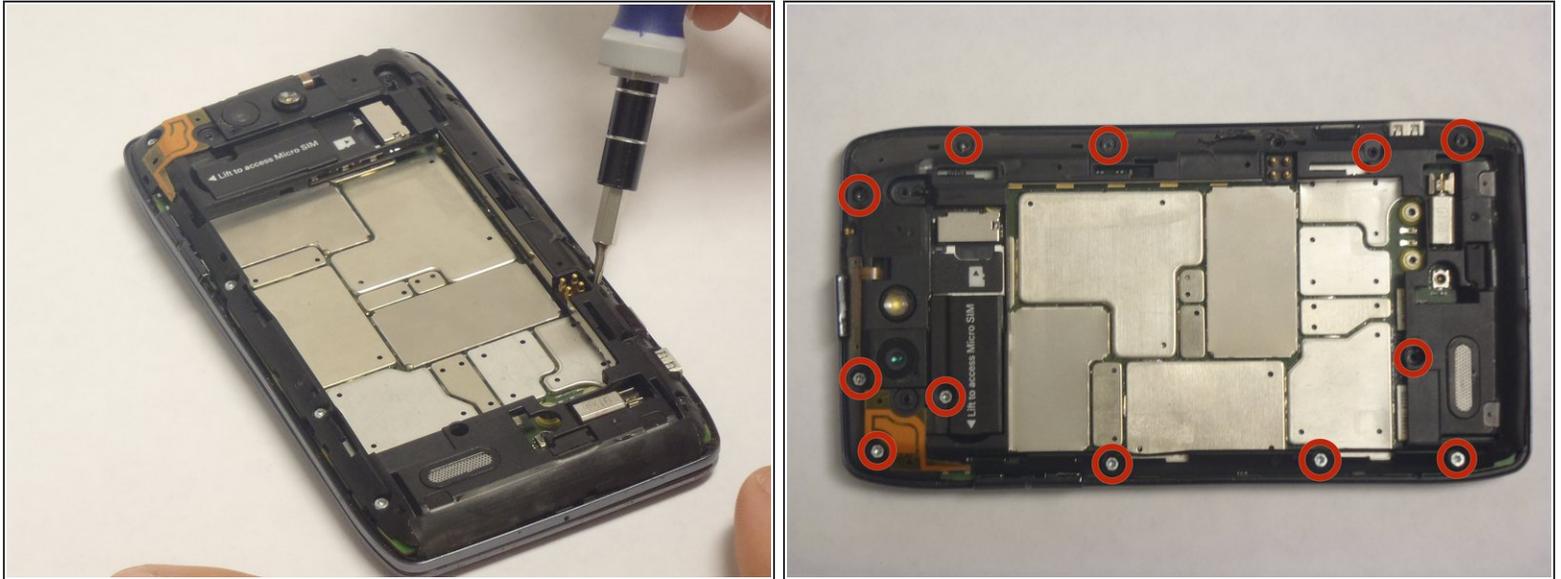
- Remove the four screws, indicated by the red circles, with the screwdriver and T5 Torx bit.
- ⓘ The screws are philips 2.5mm. One screw is a different color (silver) from the others (black).

## Step 6 — Remove Bezel



- Insert the spudger between the rear bezel and the main housing.
- ⓘ The bezel is fragile, so proceed carefully.
- Slide the spudger around all sides of the phone to separate the bezel from the housing.
- Pry the bezel free.
- ⚠ Be careful of the adhesive that holds the bezel to the main housing. Prying too hard may damage your phone.

## Step 7 — Removing screws



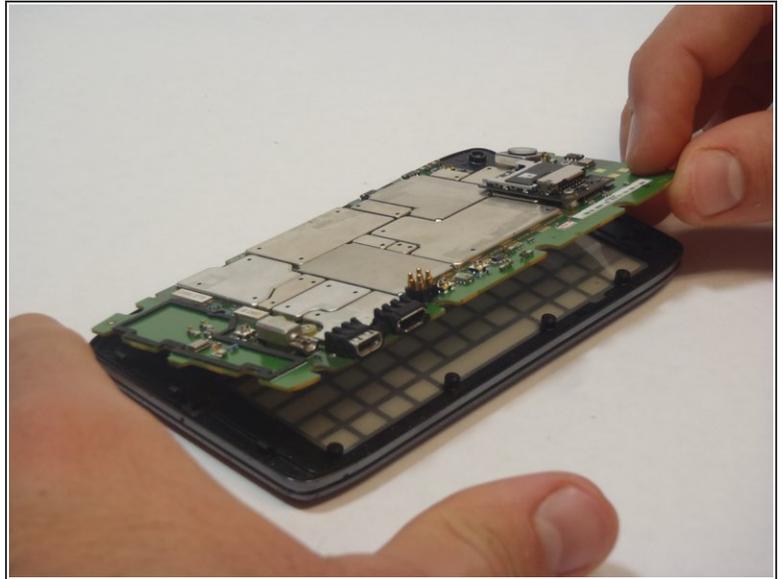
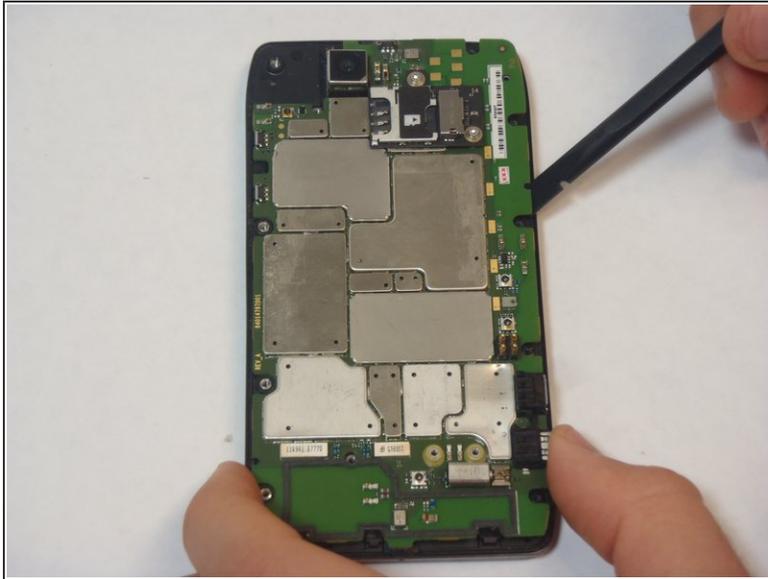
- Remove the 12 screws holding the housing in place using a T5 Torx screwdriver.
- Follow the red circles, indicated in the picture, to locate the screws.
- ⓘ The 12 screws are (silver) philips 2.5mm

## Step 8 — Separation of the Housing from the Motherboard



- Separate the housing from the motherboard.
- ⚠ Be careful while separating the housing. The power and volume buttons are easily separated from the housing and can be damaged.

## Step 9 — Motherboard



 The Motherboard is the brain of the phone, handle with care.

- Using the spudger, separate the motherboard from the keyboard frame.
- Tilt the motherboard upward from the side of the charger connection as shown in the picture.

## Step 10 — Disconnecting the Motherboard



- Using the spudger, gently disconnect the two motherboard connections.
- ⓘ Once the motherboard is separated from the phone place it in a safe place.

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