



Motorola Moto E4 Screen Assembly Replacement

This guide shows you how to replace a broken or defective screen assembly for the Motorola Moto E4 (1762).

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INTRODUCTION

Use this guide to replace a broken or defective screen assembly of your Motorola Moto E4 (XT1762). This guide can also be used to replace the screen on a Moto E4 (XT1766) with a fingerprint sensor.

This guide shows the procedure for the screen assembly *including the frame*. Make sure you have the correct part before starting this guide.

You may need replacement adhesive to reattach components during reassembly.

For replacing the LCD and digitizer *only* use [this guide](#).

TOOLS:

- Spudger (1)
- Phillips #00 Screwdriver (1)
- iFixit Opening Picks set of 6 (1)
- Tweezers (1)
- iOpener (1)

PARTS:

- Moto E4 Screen (1)

Step 1 — Back Cover



(i) Power off your phone before beginning disassembly.

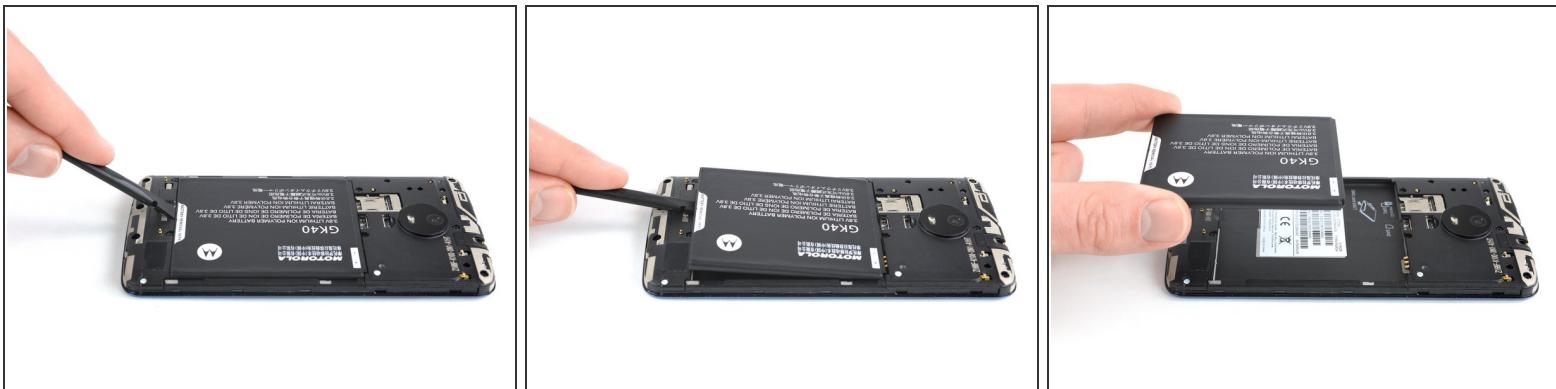
- Insert a fingernail, or spudger, into the notch on the bottom right corner to start separating the phone unit from the back cover.
- Move to the bottom left corner to pry the phone out of the back cover.

Step 2



- Lift the phone out of the back cover.

Step 3 — Battery



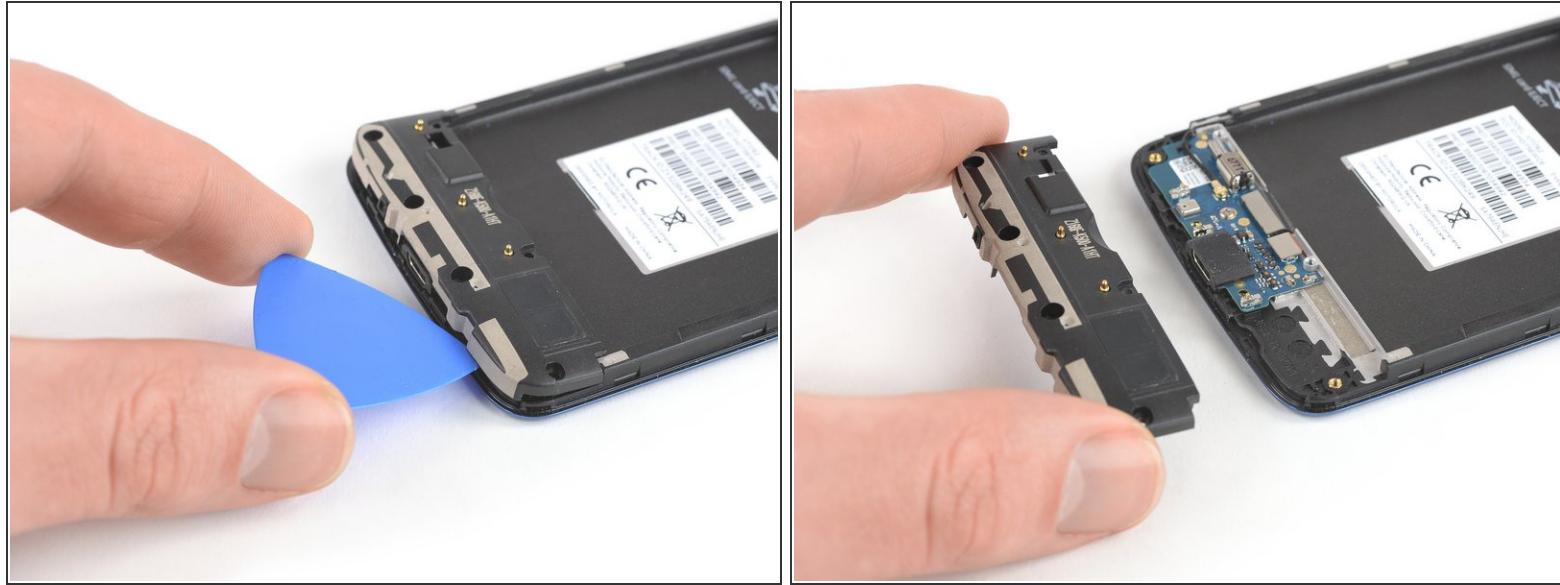
- Use a fingernail or spudger to pry at the notch at the bottom end of the battery.
- Lever the battery out of its recess and remove it.

Step 4 — Loudspeaker



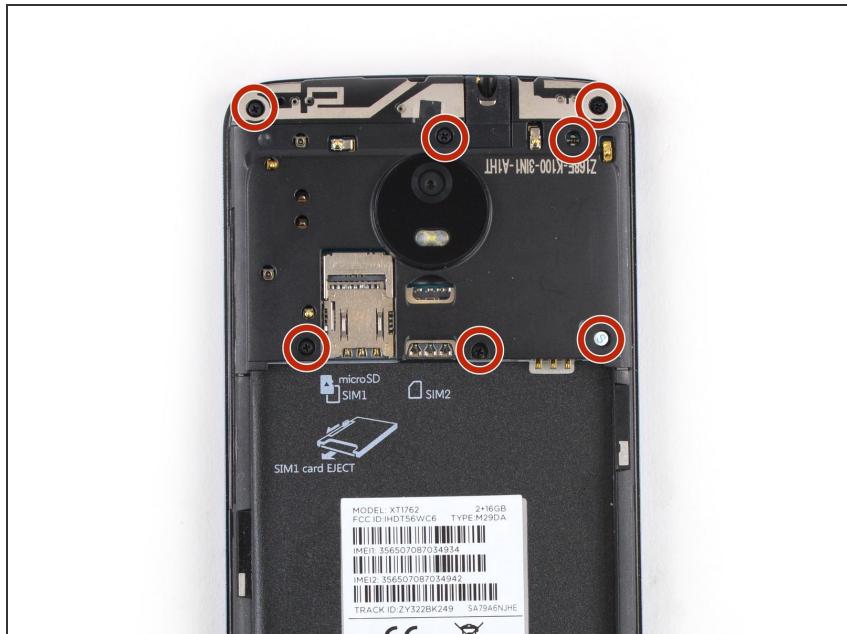
- Remove the six 3.3 mm long Phillips #00 screws.

Step 5



- Insert an opening pick between the loudspeaker and the frame to pry it up by twisting the opening pick.
- Remove the loudspeaker unit.

Step 6 — Motherboard Cover



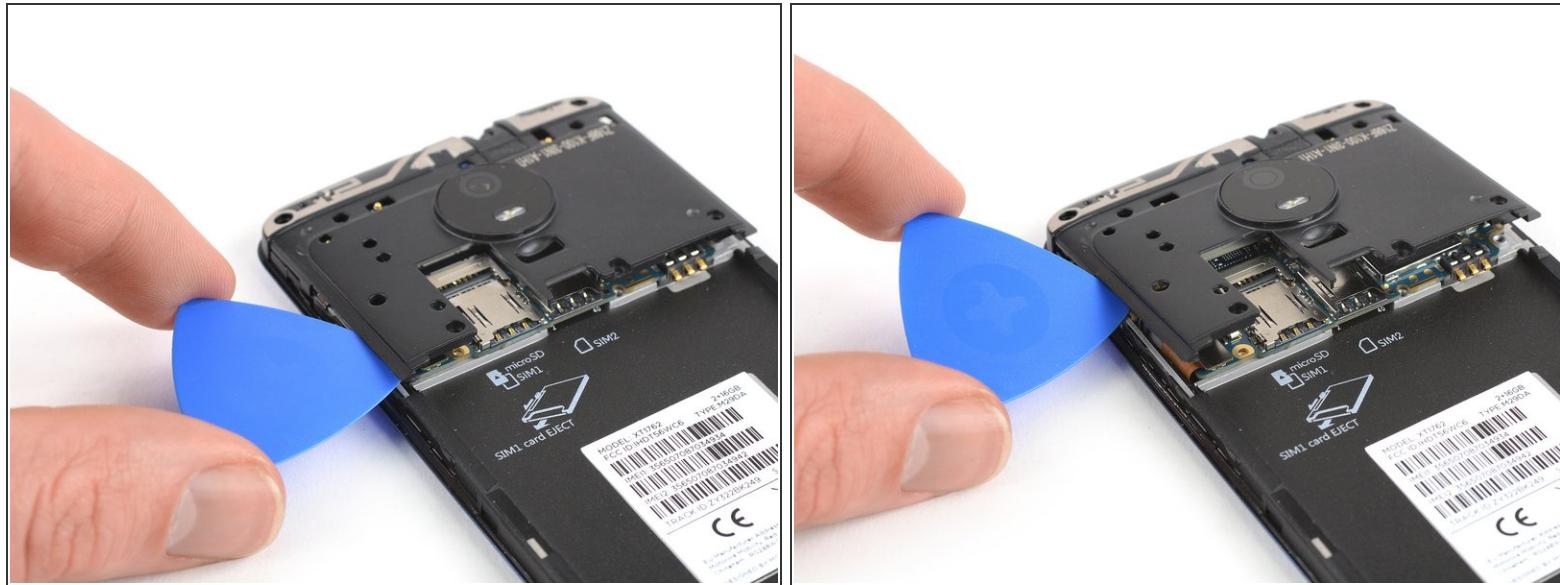
- Remove the seven 3.3 mm Phillips #00 screws.

Step 7



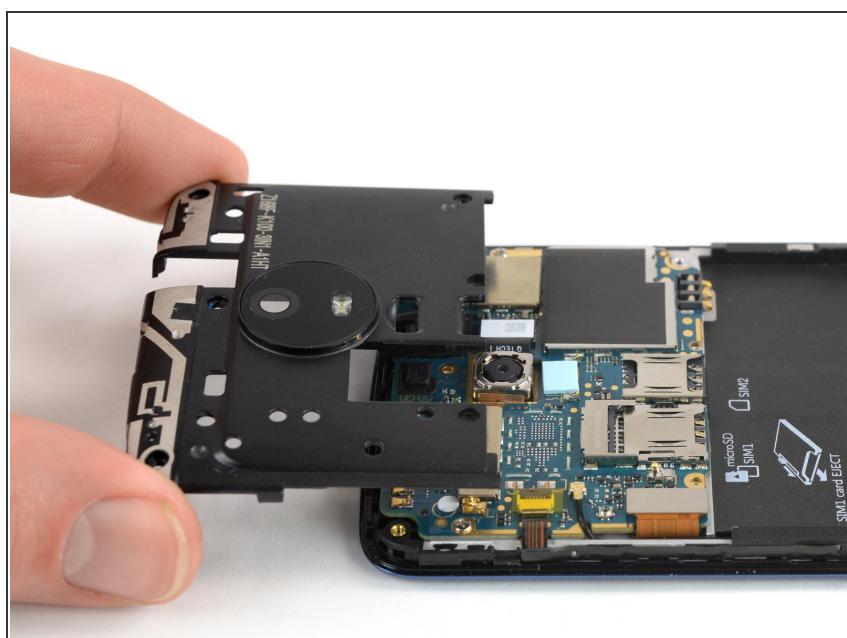
- Insert an opening pick between the cover and the motherboard at the bottom right corner.
- Slide the opening pick upwards to open the plastic clips.

Step 8



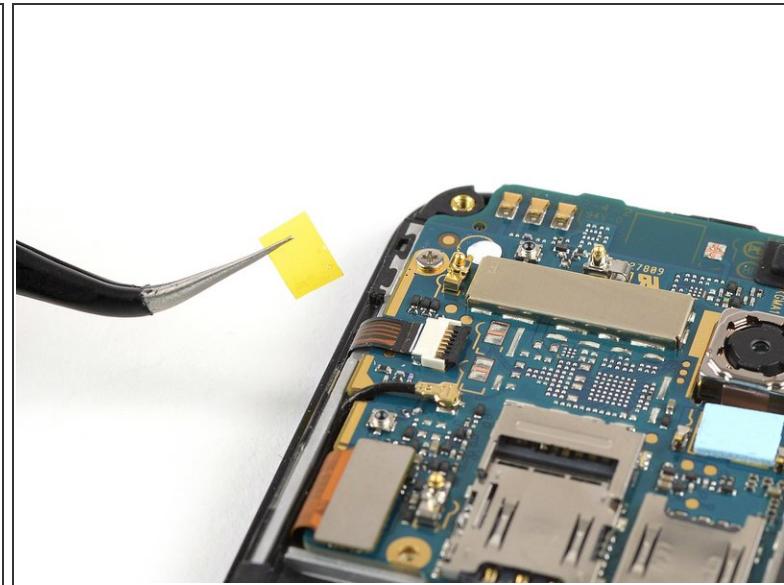
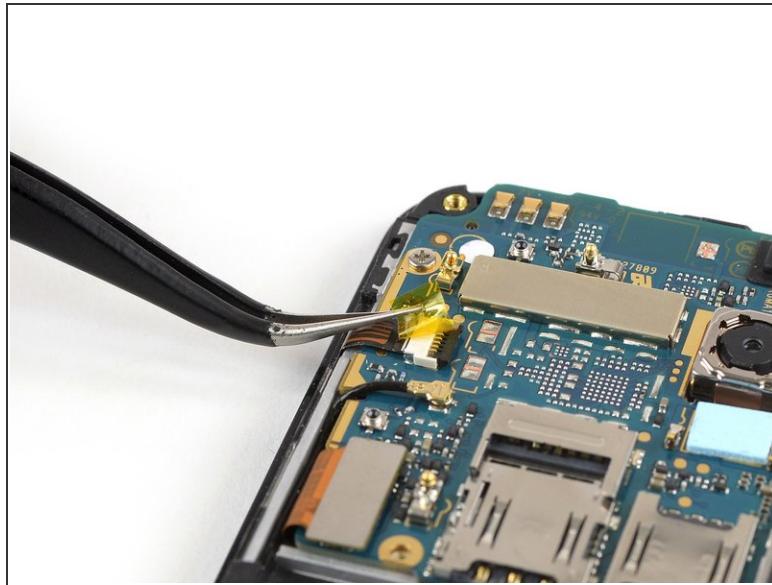
- Insert an opening pick between the cover and the motherboard at the bottom left corner.
- Slide the opening pick upwards to open the plastic clips.
- Pry up the motherboard cover by twisting the opening pick.

Step 9



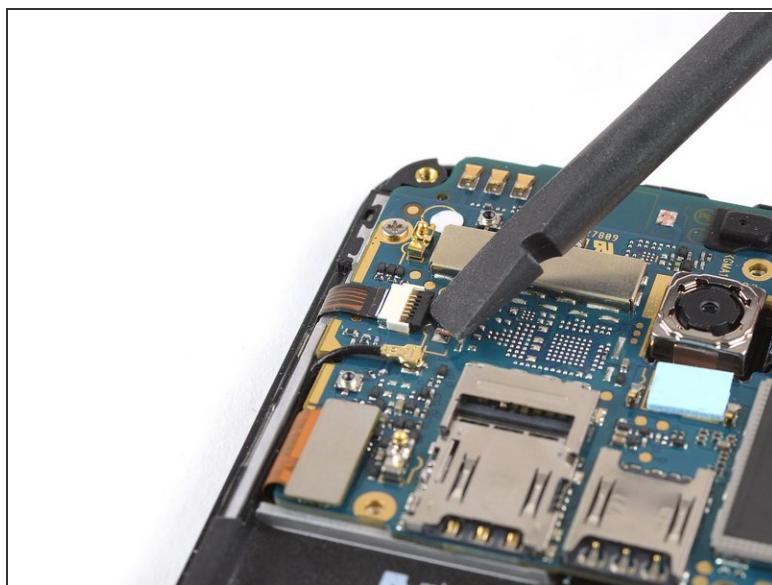
- Remove the motherboard cover.

Step 10 — Motherboard Assembly



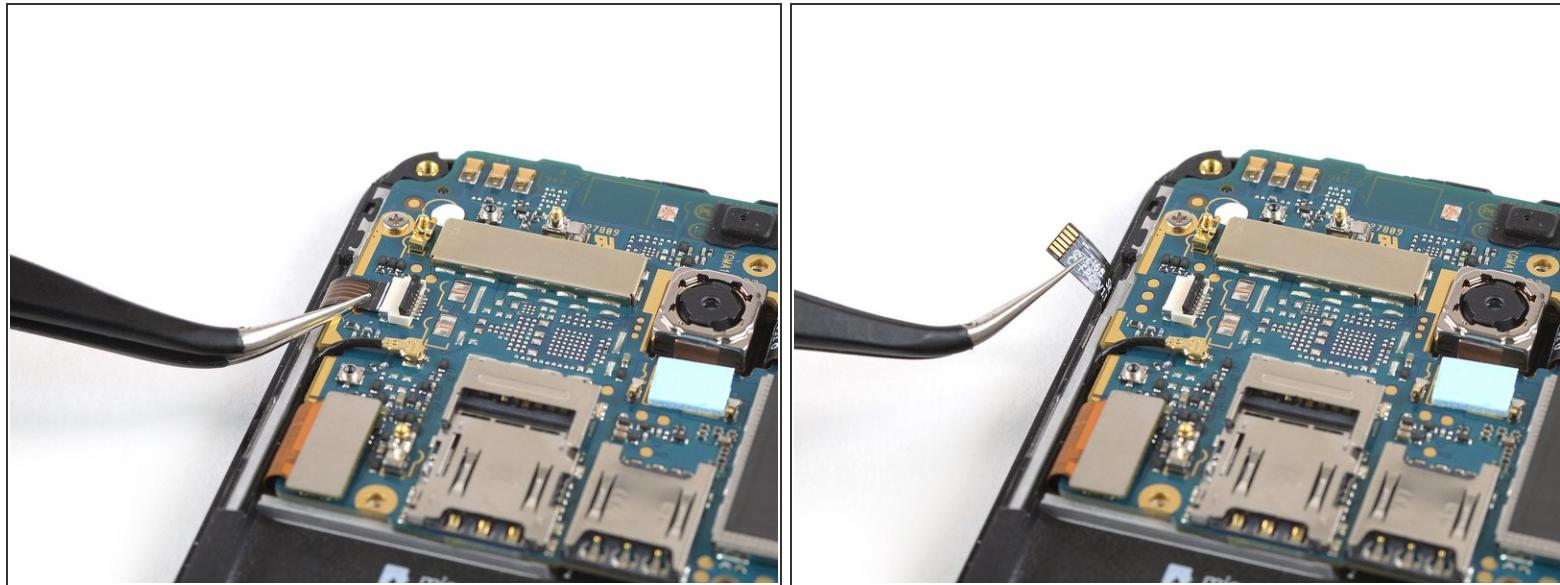
- Use a pair of tweezers to peel off the yellow tape of the ZIF connector located on the left of the motherboard.

Step 11



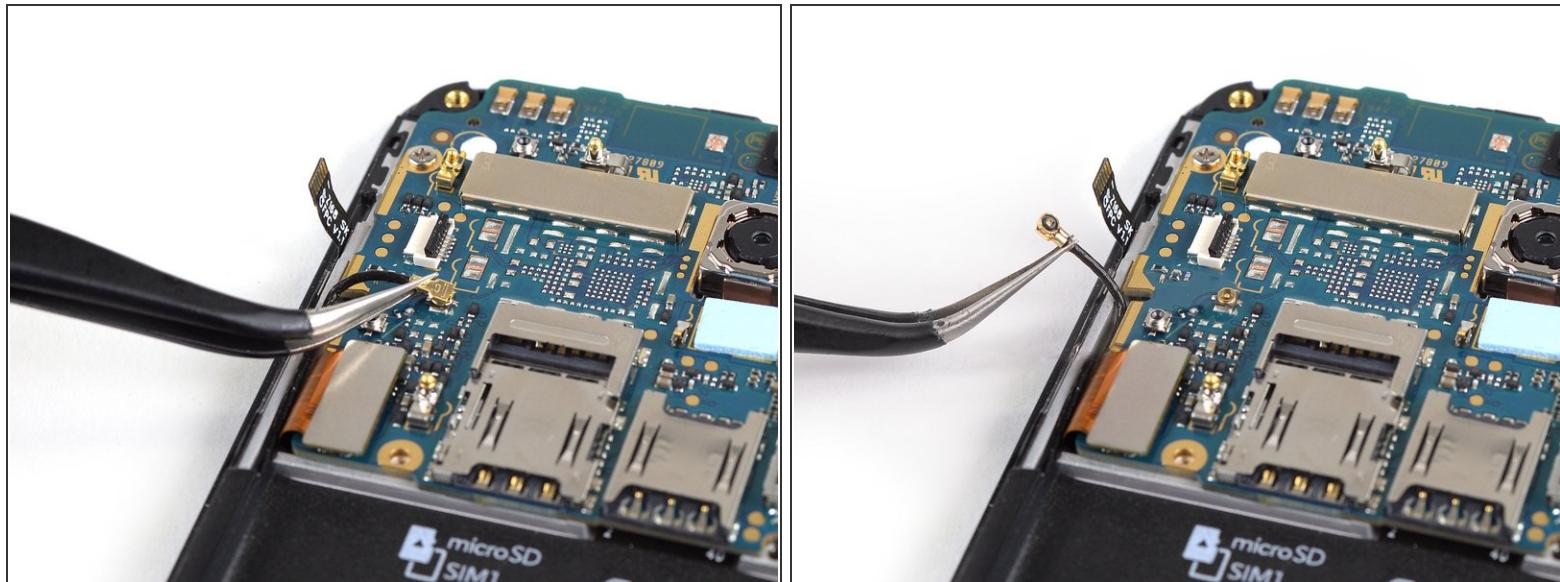
- Use the edge of a spudger to open the black flap of the ZIF connector.

Step 12



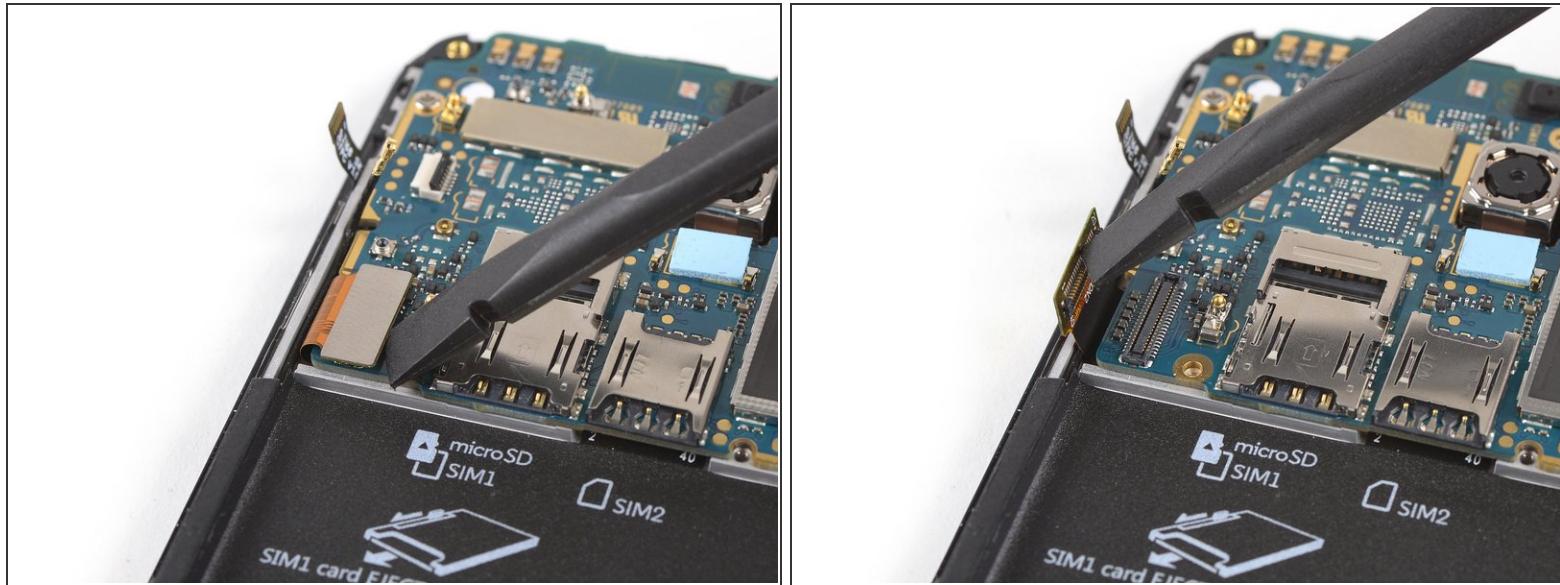
- Slide the volume button flex cable out of the ZIF connector to disconnect it.

Step 13



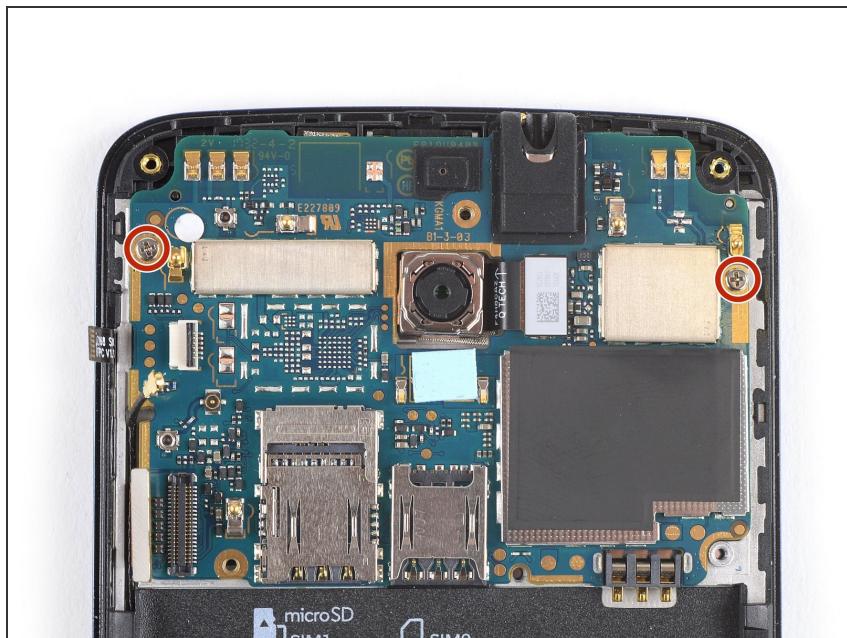
- Use a pair of tweezers to pry up and disconnect the antenna cable located on the left of the motherboard.
- Fold the antenna cable out of the way.

Step 14



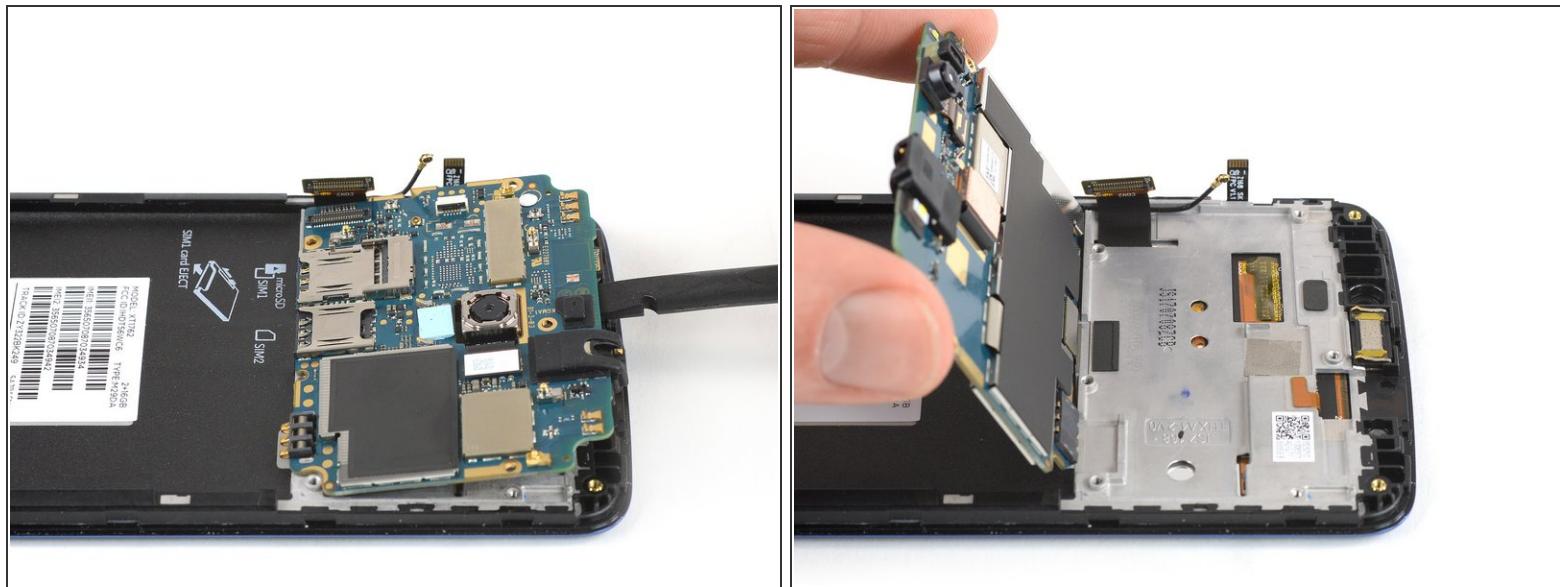
- Use the edge of a spudger to pry up and disconnect the display flex cable located on the bottom left of the motherboard.

Step 15



- Remove the two 2.9 mm long Phillips #00 screws securing the motherboard.

Step 16



⚠ Don't try to remove the motherboard all the way yet. The interconnect flex cable is still connected to its rear side.

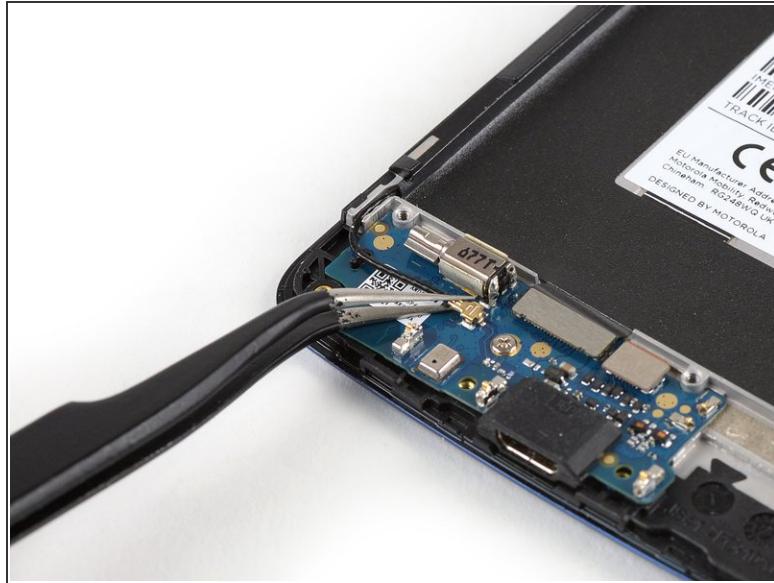
- Use a spudger to carefully lift the motherboard from the top and fold it towards the battery compartment.
- ⚠** Be careful not to damage any components underneath the motherboard.

Step 17



- Use the edge of a spudger to disconnect the interconnect cable from the motherboard.
- Remove the motherboard.

Step 18 — Charging Board



- Use a pair of tweezers to pry up and disconnect the antenna cable.

Step 19



- Use the edge of a spudger to pry up and disconnect the interconnect flex cable.

Step 20



- Use the edge of a spudger to pry up and disconnect the fingerprint sensor flex cable.

Step 21



- Remove the 2.9 mm long Phillips #00 screw securing the daughterboard.

Step 22



- Pry under the bottom end of the charging board and lift it upwards.
- Remove the charging board.

Step 23 — Earpiece Speaker



- Apply a [heated iOpener](#) for about one minute to the upper part of the display to loosen the adhesive beneath the earpiece speaker.

Step 24



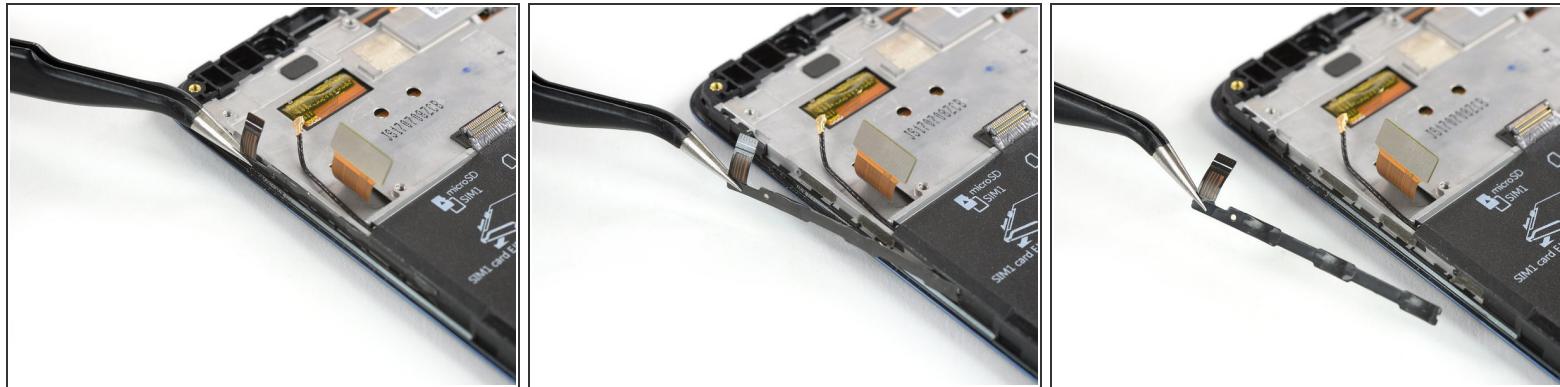
- Use a pair of tweezers to lift the earpiece speaker out of its recess and remove it.
- ★ When reassembling, be sure to properly orient the earpiece speaker such that the gold contacts are pointing away from the top edge.

Step 25 — Screen Assembly



- Apply a [heated iOpener](#) to the left edge of the phone for about 30 seconds to loosen the adhesive beneath power and volume button unit.

Step 26



- Use a pair of tweezers to gently peel the power and volume button unit off the left edge of the phone.
- Remove the power and volume button unit.

Step 27



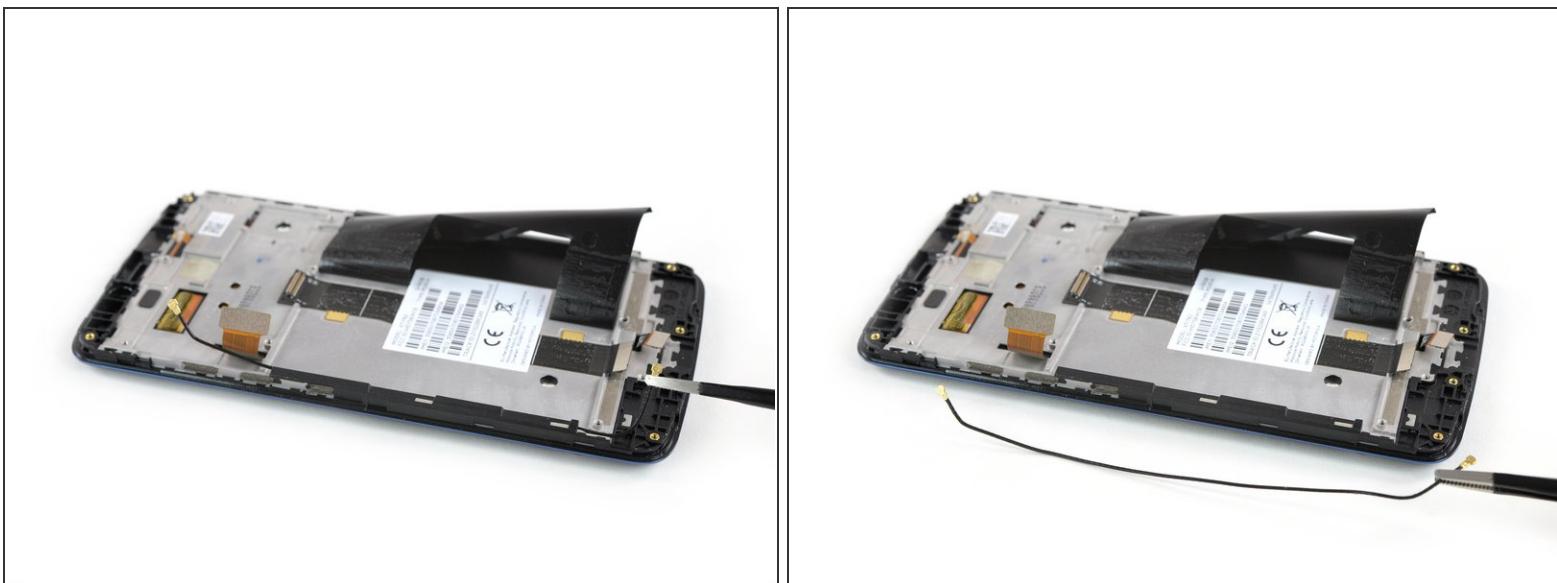
- Apply the iOpener for about two minutes on the black adhesive tape that covers the antenna and the interconnect cable.

Step 28



- Use a pair of tweezers to gently peel the adhesive tape off the antenna and interconnect cable and fold it out of the way.

Step 29



- Use a pair of tweezers to thread the antenna cable out of its routing.
- Remove the antenna cable.

Step 30



- Use a pair of tweezers to gently peel the product sticker off the interconnect cable.
(i) In case you can't remove the sticker or it starts to rip apart you can [re-apply an iOpener](#) to loosen the adhesive.

Step 31



- Use a pair of tweezers to grab and carefully peel up the interconnect flex cable.
- Remove the interconnect flex cable.

Step 32



- Check your replacement part for any other components that might need to be transferred before reassembly.

If possible, turn on your phone and test your repair before installing new adhesive and resealing the phone.

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

Repair didn't go as planned? Check out our [Answers community](#) for troubleshooting help.

Take your e-waste to an [R2 or e-Stewards certified recycler](#).