



# Motorola Moto E4 (XT1762) LCD and Digitizer Replacement

Use this guide to replace a broken or defective...

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# INTRODUCTION

Use this guide to replace a broken or defective LCD and digitizer in your Motorola Moto E4 (XT1762).

Before you begin, download the [Rescue and Smart Assistant](#) app to backup your device and diagnose whether your problem is software or hardware related.

This guide shows you how to replace the display and digitizer. Make sure you have the correct part before starting this guide.

You may need replacement adhesive to reattach components during reassembly.

For replacing the screen assembly *including the frame* use [this guide](#).



## TOOLS:

[Spudger](#) (1)  
[iFixit Opening Picks \(Set of 6\)](#) (1)  
[Phillips #00 Screwdriver](#) (1)  
[Tweezers](#) (1)  
[iOpener](#) (1)  
[Suction Handle](#) (1)



## PARTS:

[Moto E4 LCD and Digitizer](#) (1)

## Step 1 — Back Cover



**i** Power off your phone before beginning disassembly.

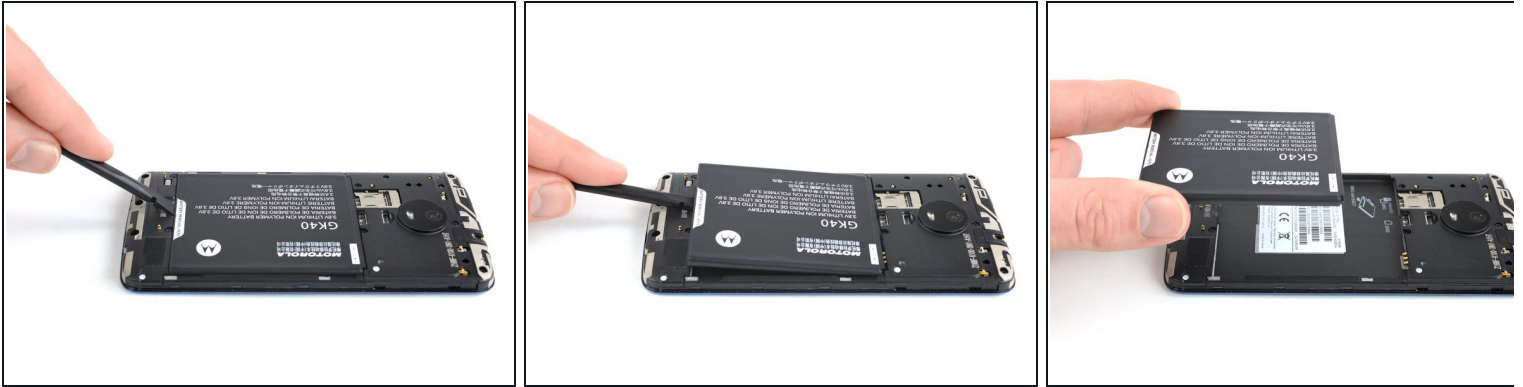
- Insert a fingernail, or spudger, into the notch on the bottom right corner to start separating the phone unit from the back cover.
- Move to the bottom left corner to pry the phone out of the back cover.

## Step 2



- Lift the phone out of the back cover.

### Step 3 — Battery



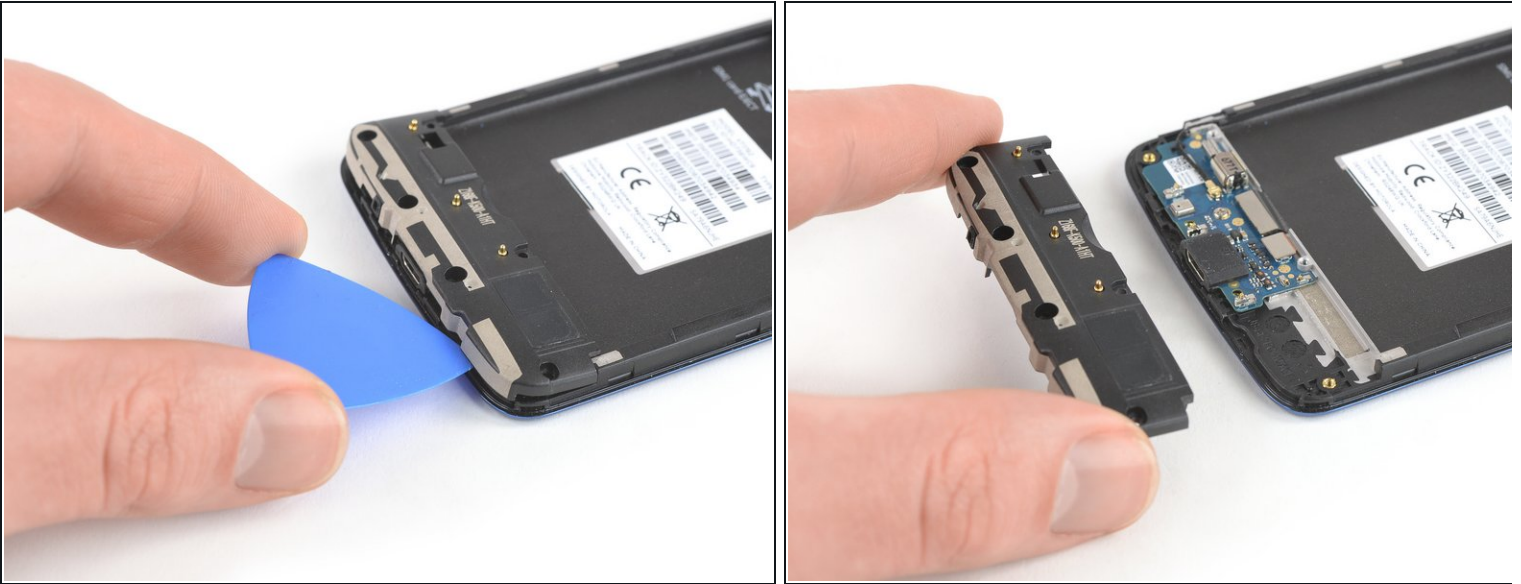
- Use a fingernail or spudger to pry at the notch at the bottom end of the battery.
- Lever the battery out of its recess and remove it.

### 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.

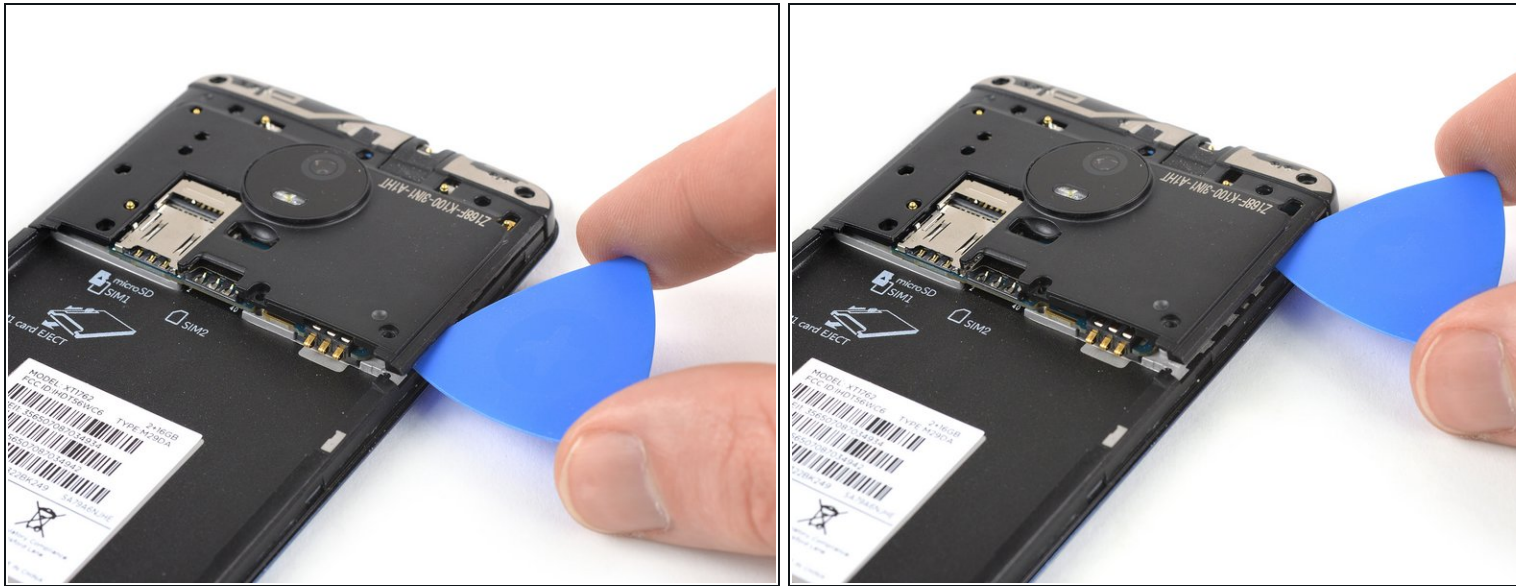
## Step 6 — Motherboard Cover



- Remove the seven 3.3 mm Phillips #00 screws.

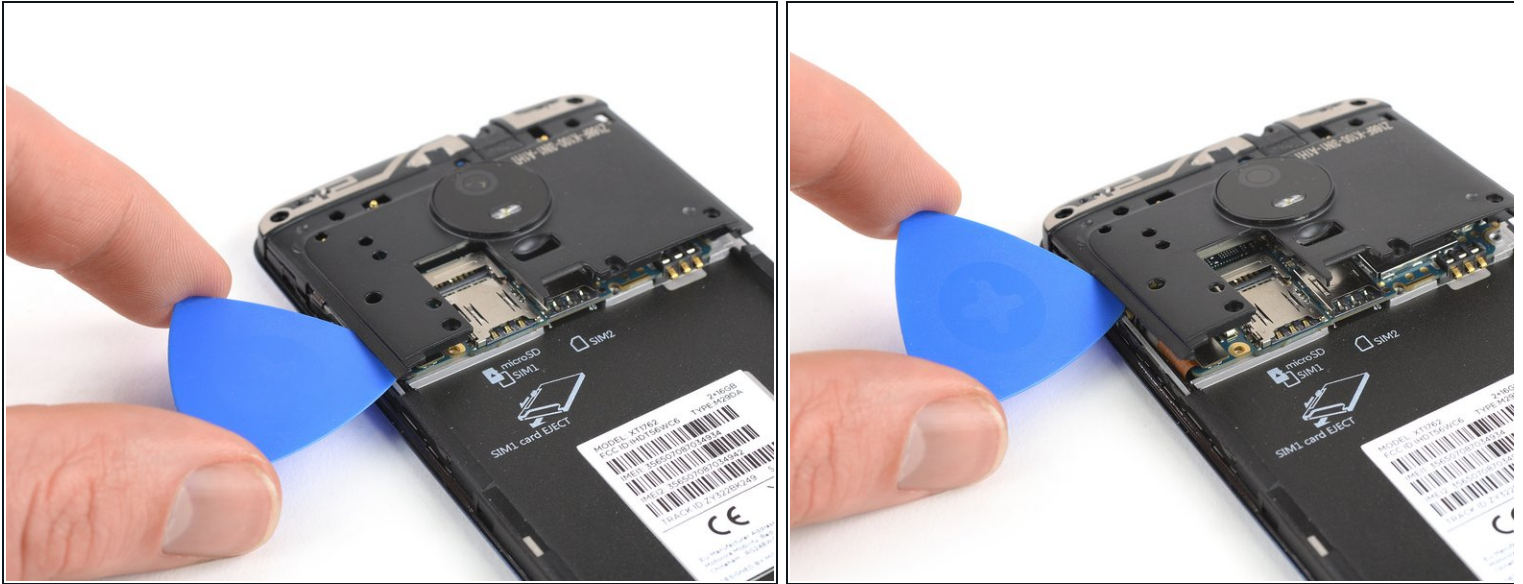


## Step 7



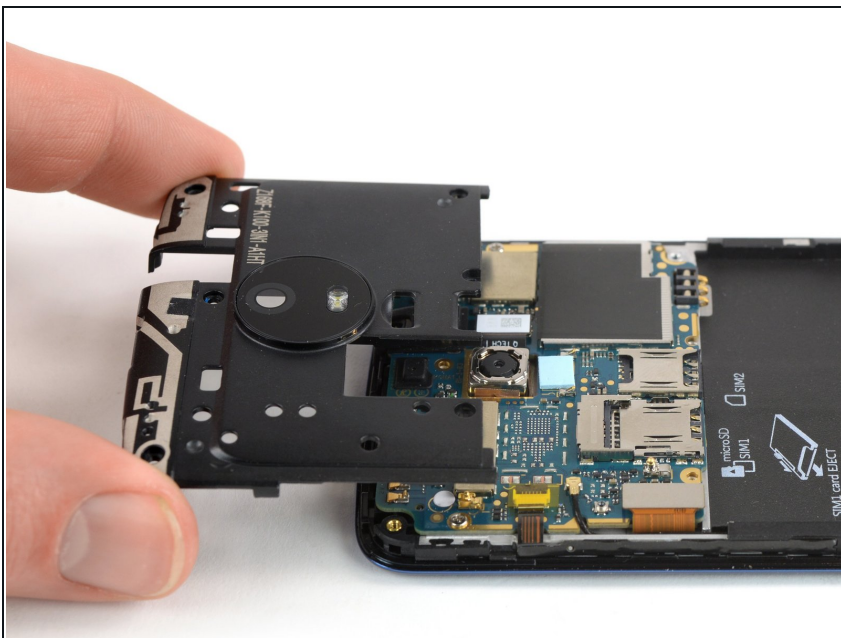
- Insert an opening pick between the cover and the motherboard at the bottom right corner.
- Slide the opening pick upwards to open the plastic clips.

## Step 8



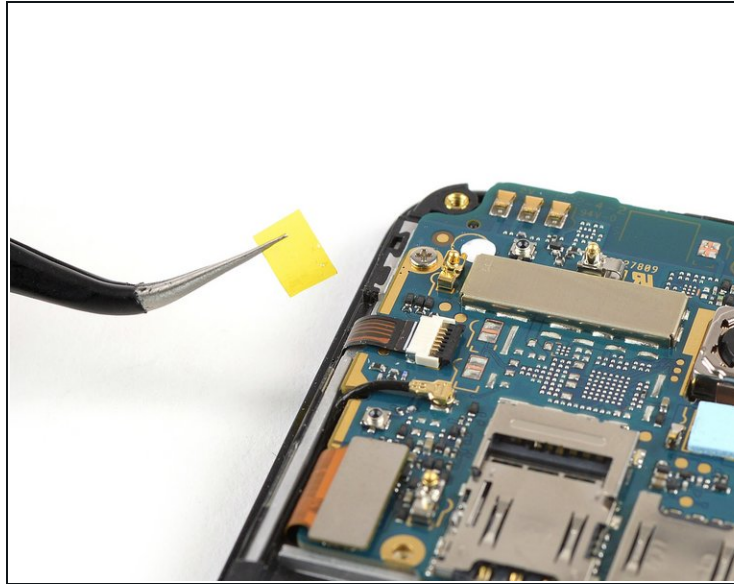
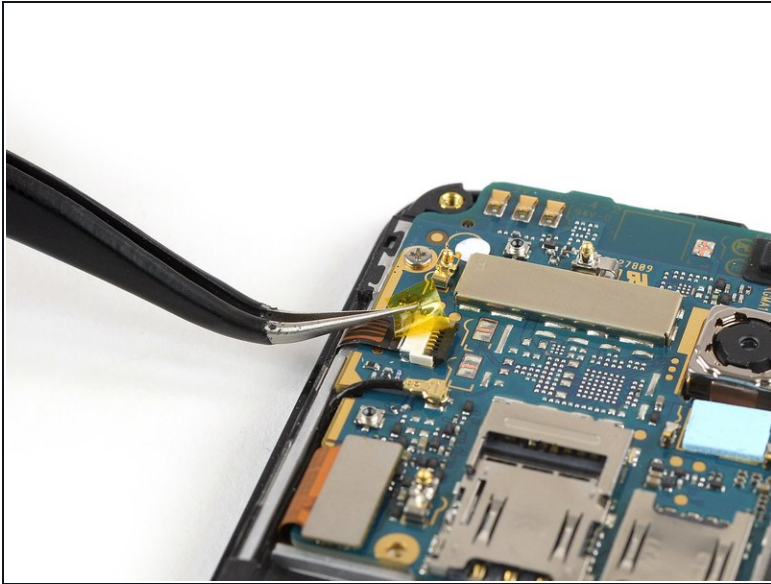
- Insert an opening pick between the cover and the motherboard at the bottom left corner.
- Slide the opening pick upwards to open the plastic clips.
- Pry up the motherboard cover by twisting the opening pick.

## Step 9



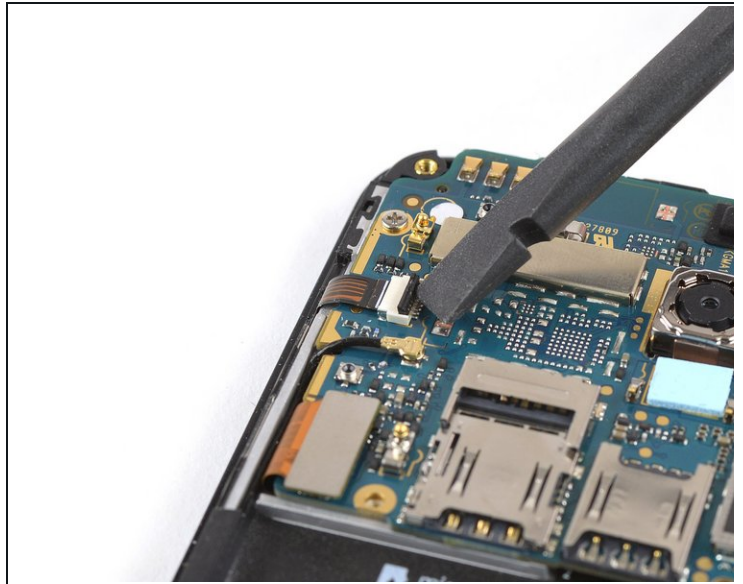
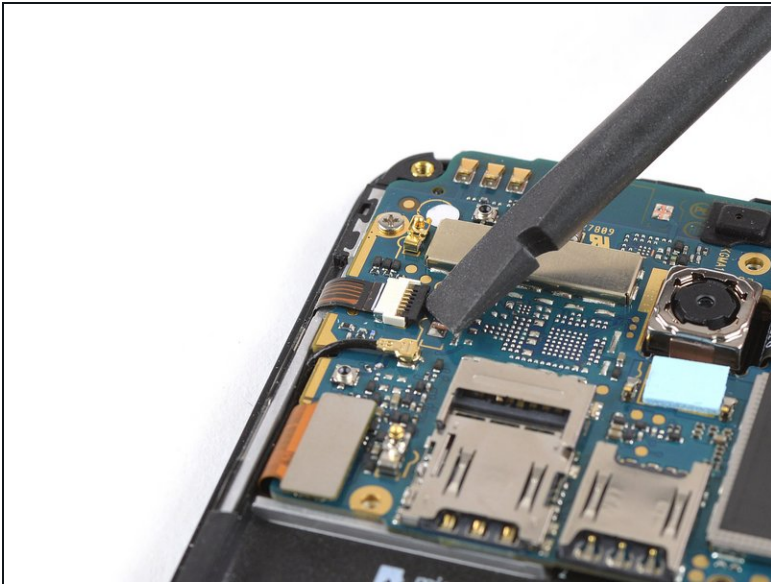
- Remove the motherboard cover.

## 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.

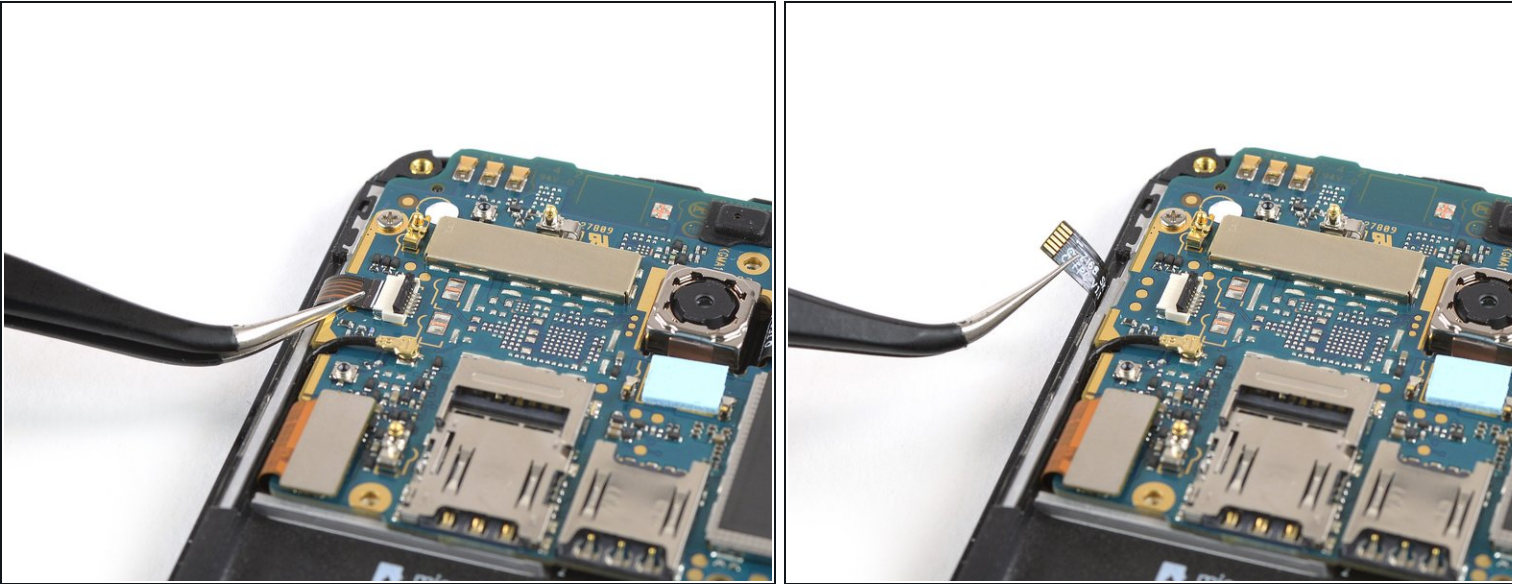
## Step 11



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

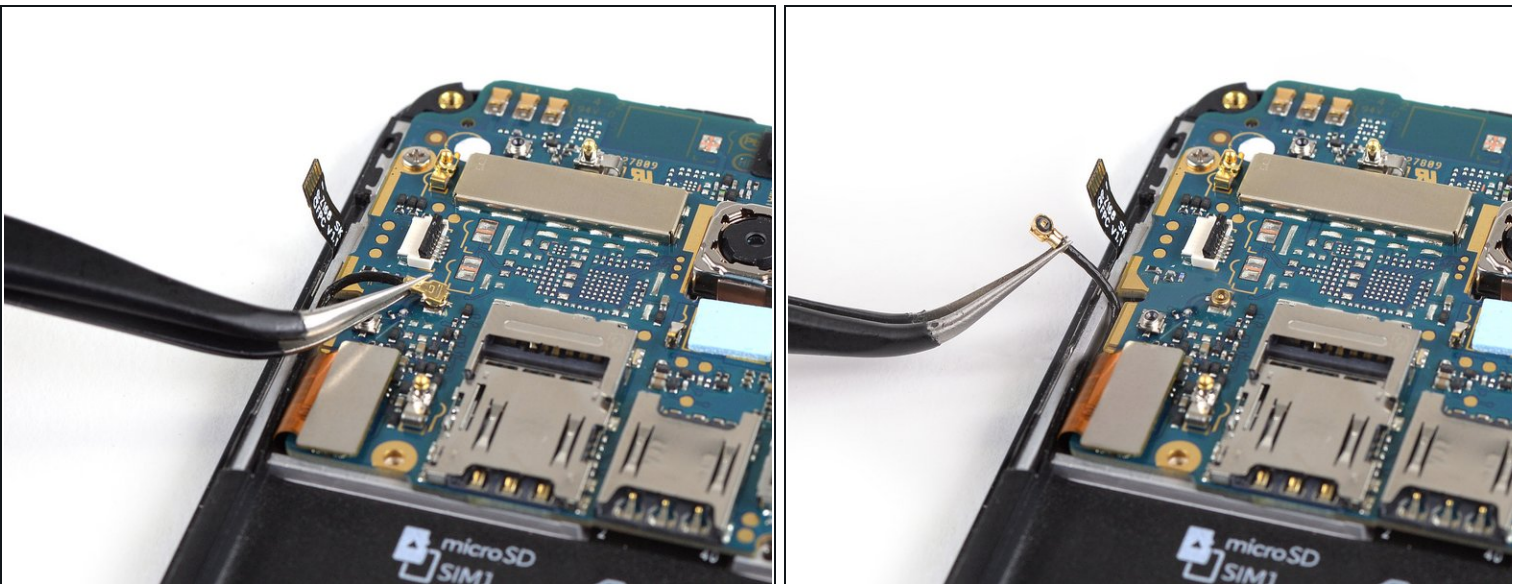


## Step 12



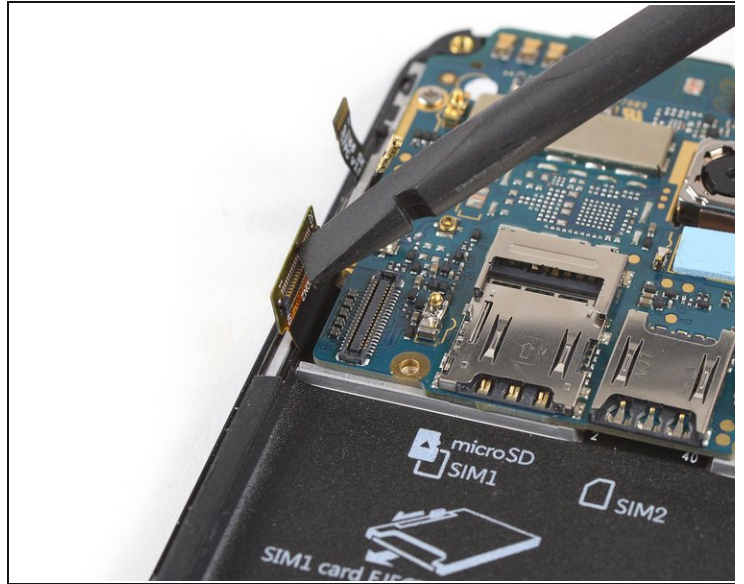
- Slide the volume button flex cable out of the ZIF connector to disconnect it.

## Step 13



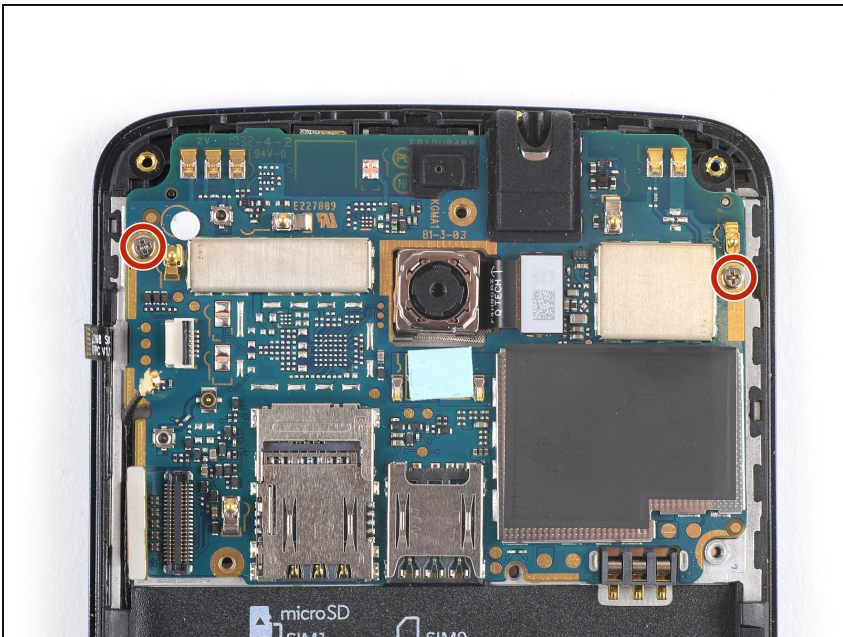
- Use a pair of tweezers to pry up and disconnect the antenna cable located on the left of the motherboard.
- Fold the antenna cable out of the way.

## 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.

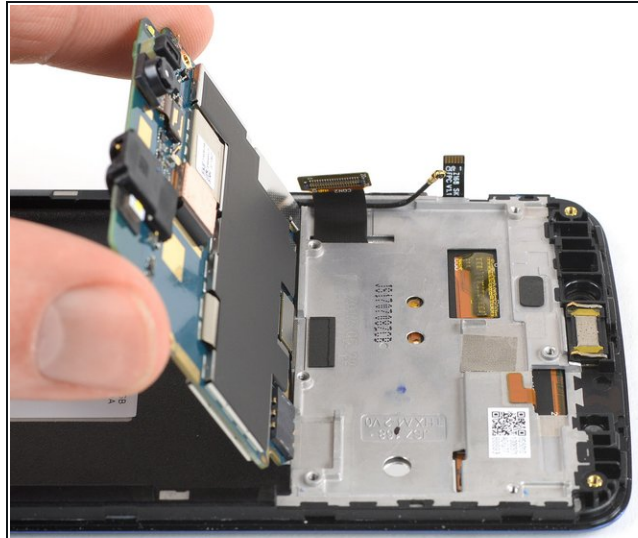
## Step 15



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



## Step 16

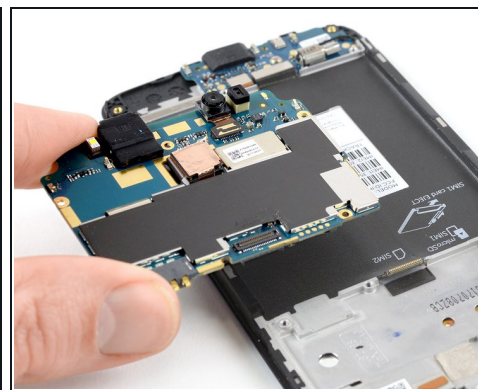
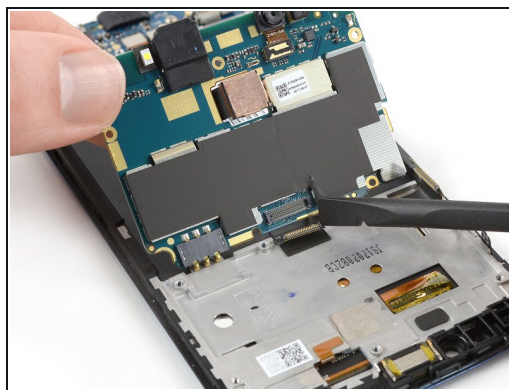
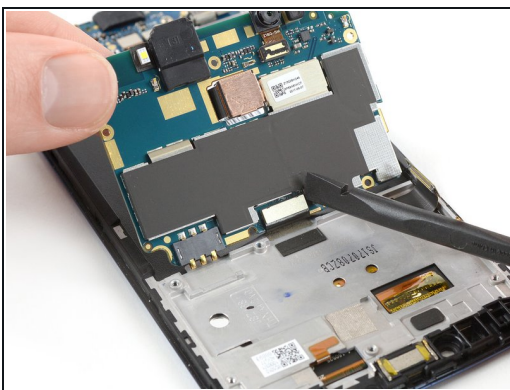


⚠ Don't try to remove the motherboard all the way yet. The interconnect flex cable is still connected to its rear side.

- Use a spudger to carefully lift the motherboard from the top and fold it towards the battery compartment.

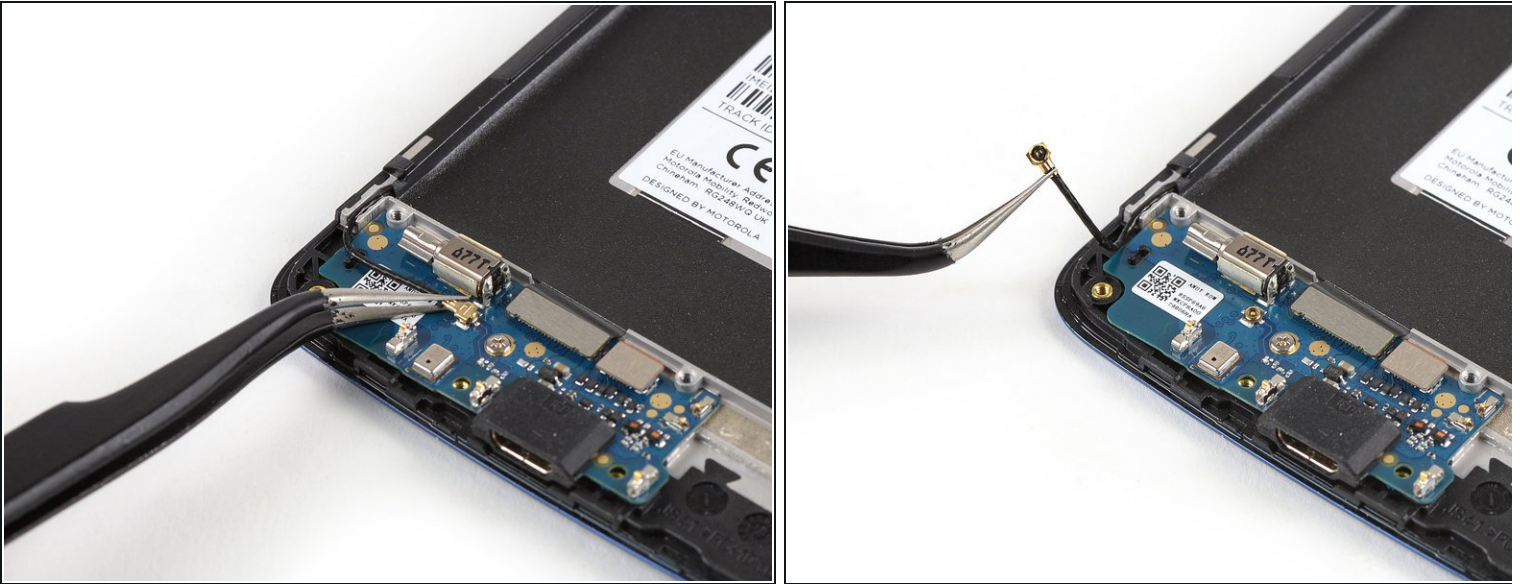
⚠ Be careful not to damage any components underneath the motherboard.

## 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



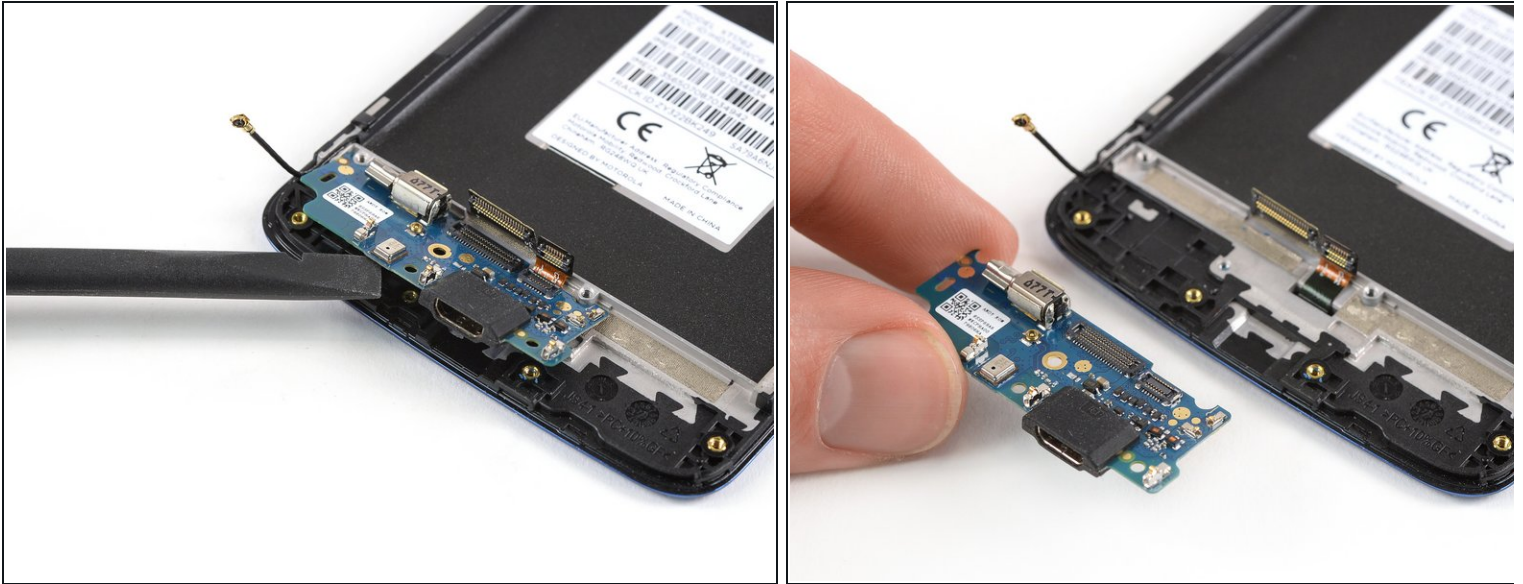
- Use the edge of a spudger to pry up and disconnect the fingerprint sensor flex cable.

## 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 — LCD and Digitizer



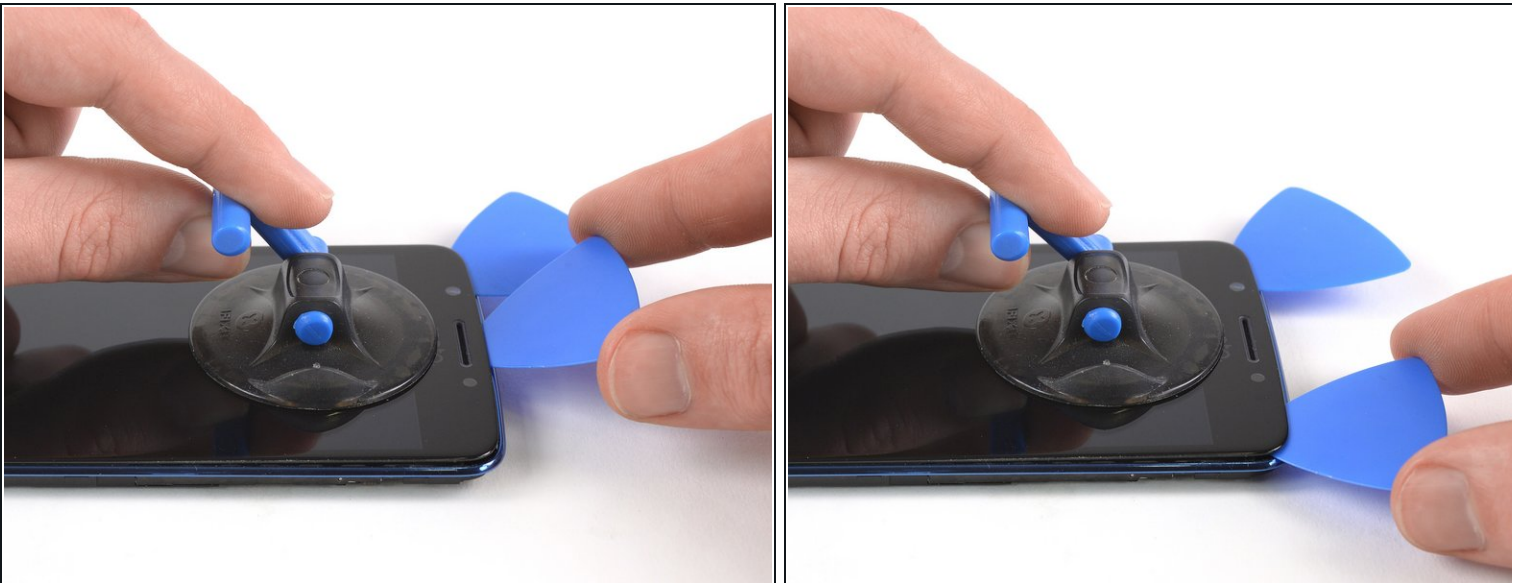
- [Prepare an iOpener](#) and apply it to the edges of the display for at least two minutes to loosen the adhesive beneath.

## Step 24



- Once the screen is warm to the touch, apply a suction cup to the upper area of the phone right under the earpiece speaker.
- ⓘ If the phone's screen is cracked, the suction cup may not stick. Try [lifting it with strong tape](#), or superglue the suction cup in place and allow it to cure so you can proceed.
- Pull up the suction cup, and insert an opening pick under the display.
- Slide the opening pick to the top left corner of the phone to cut the adhesive.

## Step 25




- Insert a second opening pick.
- Slide it to the top right corner.




## Step 26



 If cutting becomes too difficult, [reheat](#) and reapply the iOpener.

- Slide the opening pick from the top right corner along the edge of the phone to cut the adhesive.


 Make sure you get under the display unit and not just between the LCD and the digitizer on the front glass when cutting the adhesive.

- Slide the opening pick around the bottom right corner.

## Step 27



- Slide the opening pick along the bottom edge of the phone and cut the adhesive.

 In the middle where the home button is only use the very tip of the opening pick to not damage it.



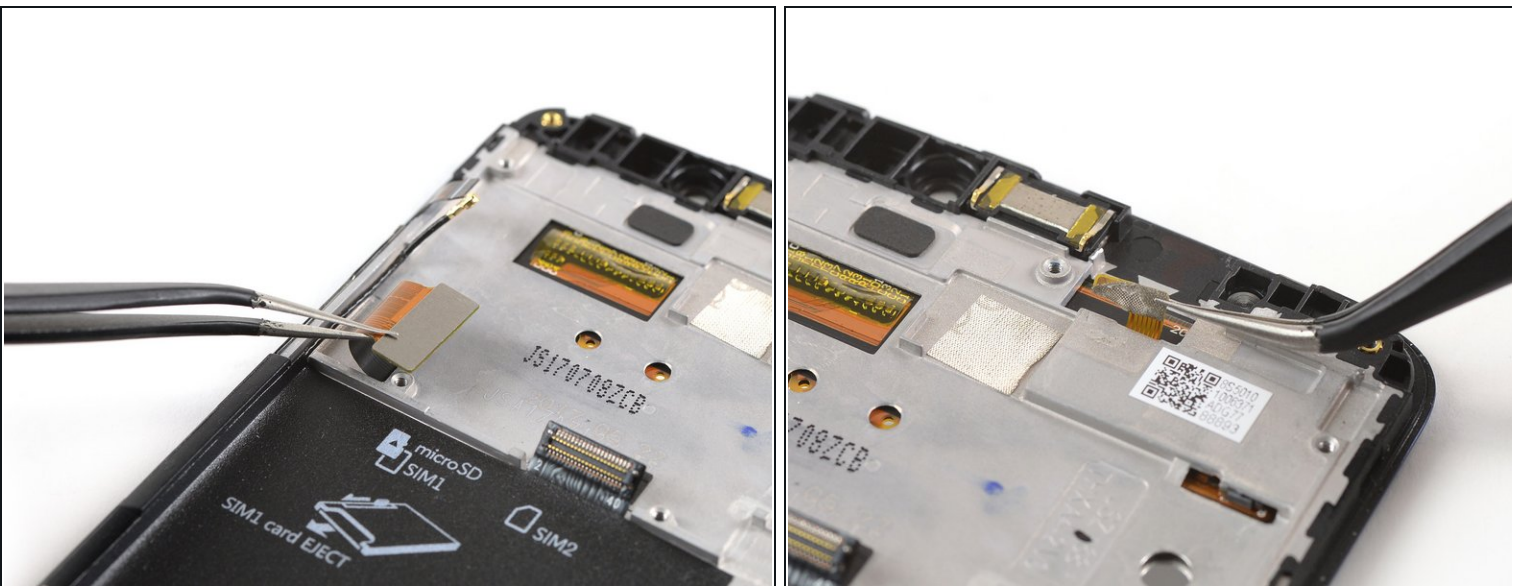
## Step 28



- Repeat the previous heating and cutting procedure on the left edge of the phone to cut the remaining adhesive.

**⚠** Try not to remove the display all the way yet. The fingerprint and display flex cables are still threaded through and may stick to the frame.

## Step 29



- Use a pair of tweezers to peel both display flex cables off the frame. They are located on the bottom left and at the top of the motherboard.

## Step 30



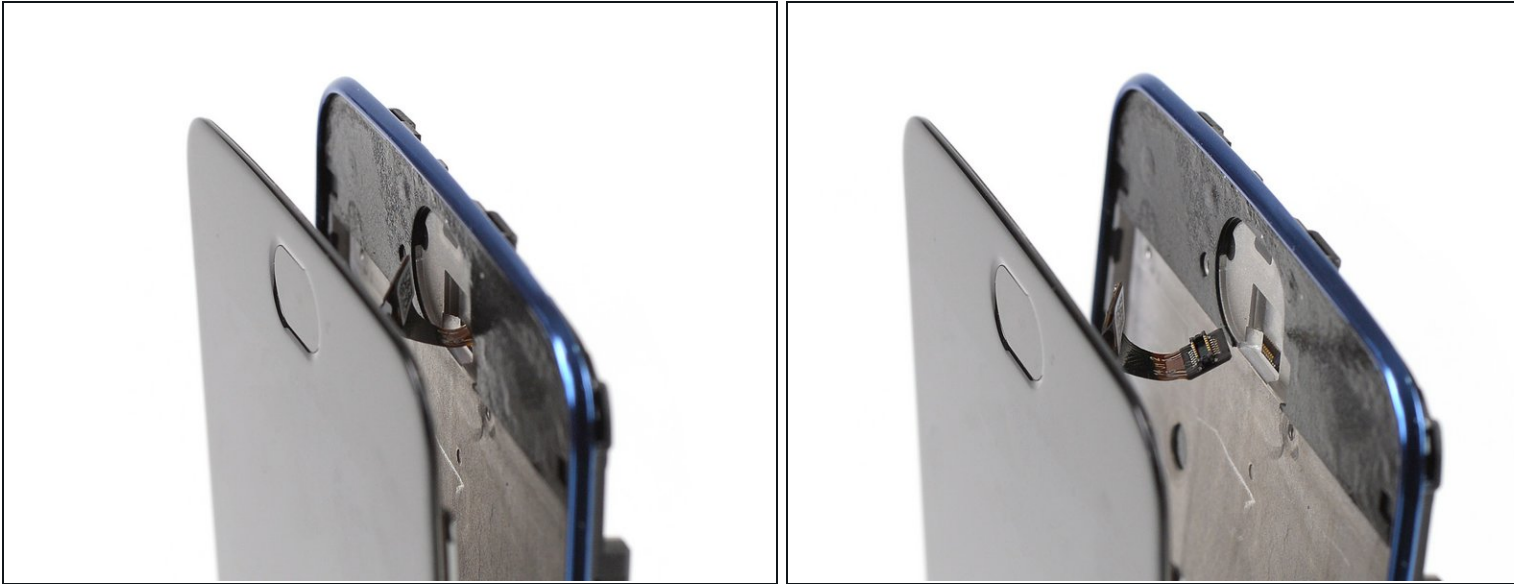
- Carefully thread both display cables through their gaps in the frame.

## Step 31



- Make sure the fingerprint sensor flex cable does not stick to the frame. If so, peel it loose with a pair of tweezers.

## Step 32



- Carefully thread the fingerprint sensor cable at the bottom through its gap in the frame.

## Step 33



- Remove the LCD and digitizer unit.
- ✦ Remove any remaining adhesive from the frame, and clean the glued areas with isopropyl alcohol and a lint-free cloth.

## Step 34 — Home Button



**i** In case you're replacing a broken screen and the replacement screen already includes the home button, skip the following steps.

- [Apply an iOpener](#) for about one minute to the bottom end of the display where the home button is located.

## Step 35



- Use your fingertip to push the home button from the front through the display.
- Remove the home button.



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

The best way to secure the new screen is with a sheet of custom-cut double-sided tape. If the replacement part does not come with adhesive preinstalled apply tape to the back of the screen, then carefully feed the display cable through the frame. Align the screen and press it into place.

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

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

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