



Moto G4 LCD Screen and Digitizer Assembly Replacement

Prereq-only guide for full screen assembly replacement.

Written By: Jeff Suovanen



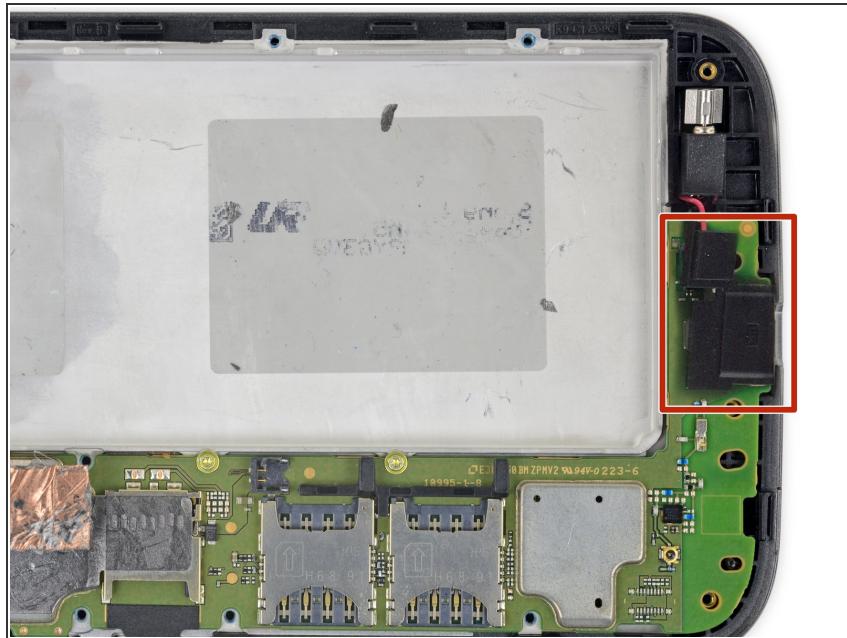
INTRODUCTION

Prereq-only

TOOLS:

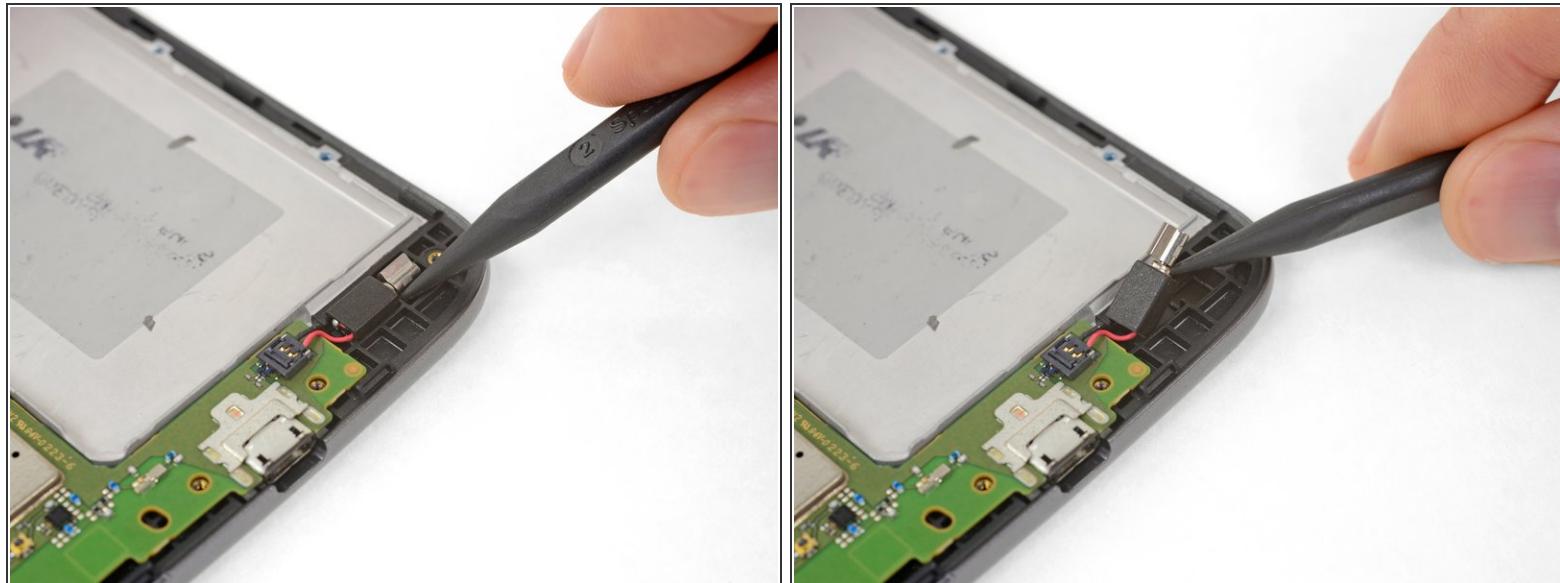
- [T3 Torx Screwdriver](#) (1)
- [Spudger](#) (1)
- [Tweezers](#) (1)

Step 1 — LCD Screen and Digitizer Assembly



- Peel up and remove the black rubber cover from the charging port and vibration motor connector.

Step 2



- Insert the point of your spudger underneath the vibration motor, and gently pry up to separate it from the frame.

⚠ You don't need to completely detach the vibration motor; it can stay wired to the motherboard.

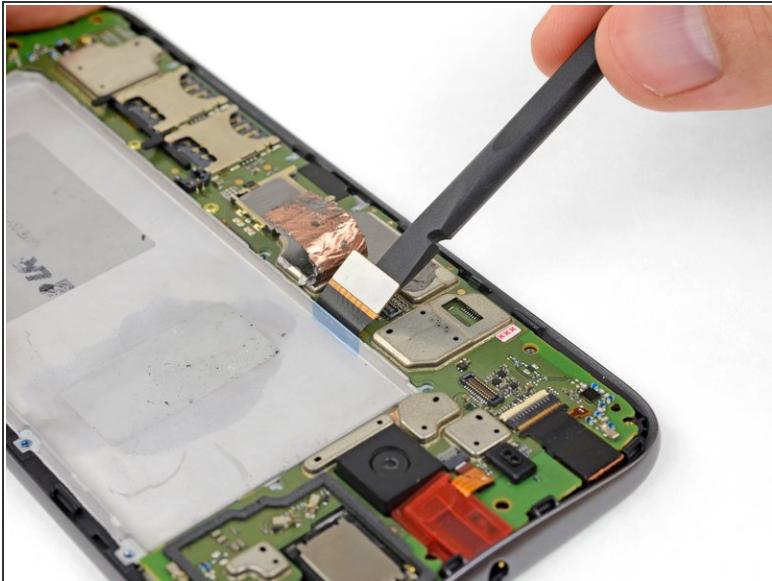
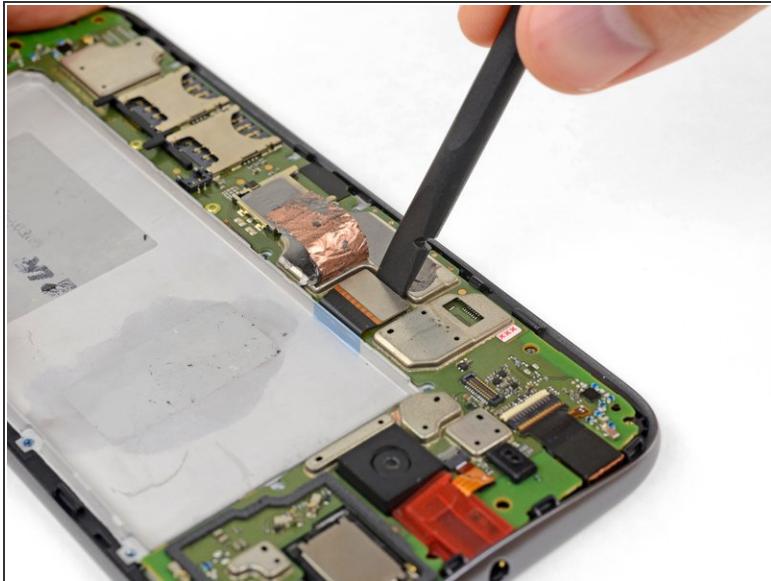
Step 3



- Peel up the copper tape covering the display connector.

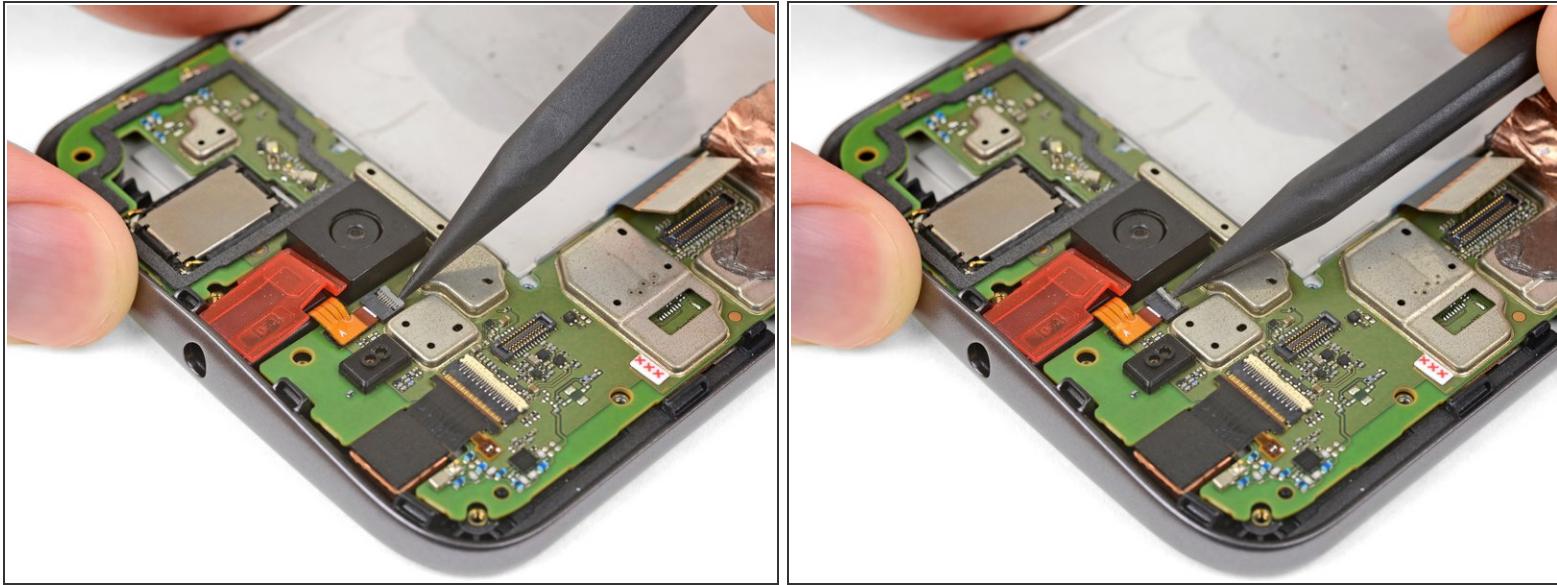
↗ This tape provides protection from electromagnetic interference. Keep it in one piece if possible, and carefully fold it back into position when your repair is complete.

Step 4



- Use your spudger to disconnect the display by prying its connector straight up from the motherboard, on the edge nearest the side of the phone.

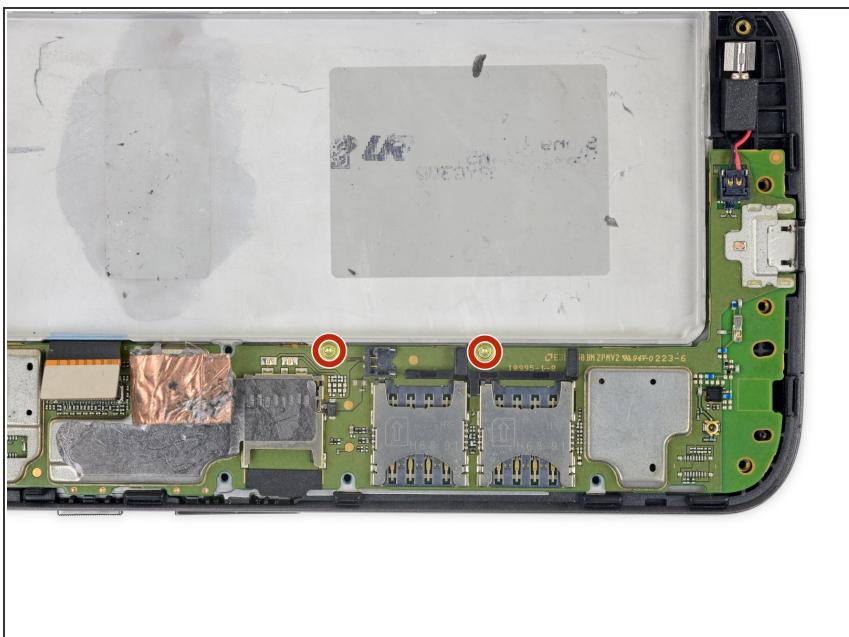
Step 5



- Pry up with your spudger to flip open the locking flap on the headphone jack's [ZIF connector](#).

! It's possible to disconnect the headphone jack at this point by pulling its orange flex cable straight out of the ZIF socket, but it's easy to tear the cable if you're not careful. For a better method, continue with the steps below.

Step 6



- Use a T3 Torx driver to remove the two bronze-colored, 2.4 mm screws securing the motherboard.

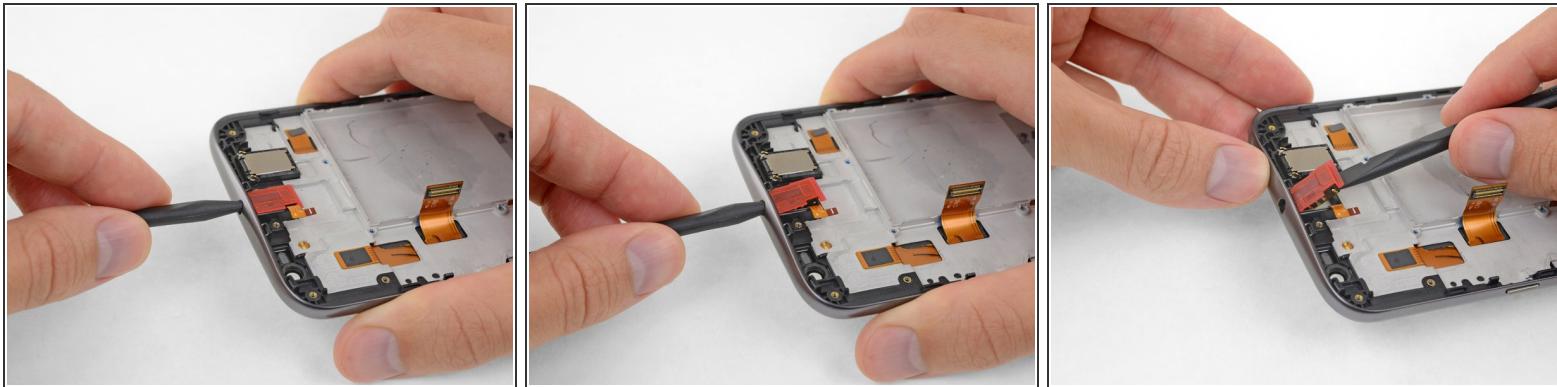
Step 7



- Grasping the motherboard by its edges, lift the bottom end up at an angle, while keeping the top edge close to the phone.
- Use your spudger to pry up the front-facing camera and make sure it separates safely from the frame. The camera can remain attached to the motherboard.
- Using your tweezers, grasp the headphone jack flex cable and carefully pull it out of its socket as you remove the motherboard.
- Remove the motherboard.

 If you feel any resistance, **stop**. Make sure there are no components still holding the frame to the motherboard.

Step 8



- Insert the point of your spudger into the headphone port, and pry straight up to separate the headphone jack from the frame.
- If needed, pry from the opposite side of the headphone jack to finish separating it.

Step 9



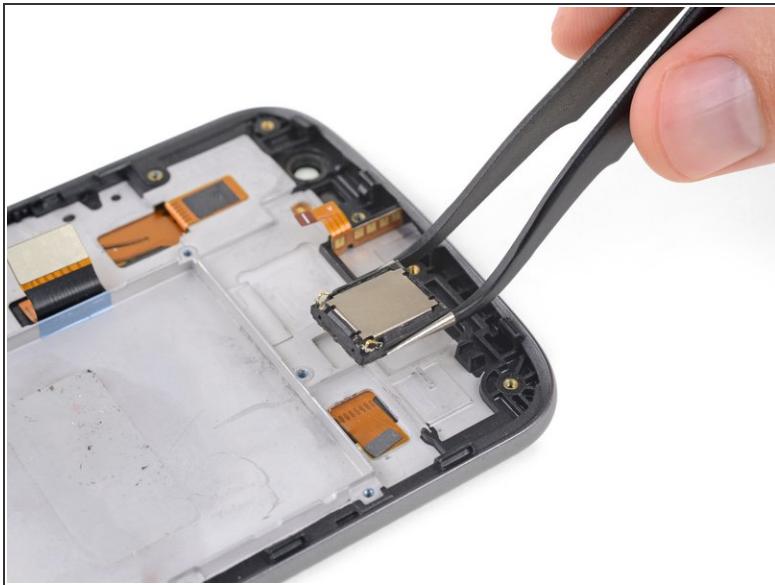
- Remove the headphone jack.

Step 10



- Using the flat of your spudger, pry up on the upper right edge of the earpiece speaker to separate it from the frame.
(i) Strong adhesive secures the earpiece speaker. If necessary, apply heat or a few drops of isopropyl alcohol to help weaken the adhesive and make it easier to remove.

Step 11



- Remove the earpiece speaker.
- ☒ Check the condition of the adhesive around the bottom of the earpiece speaker when you reinstall it. A little heat from a hair dryer or iOpener can help soften the adhesive and make it sticky again. Be careful not to touch or damage the surface of the speaker.
- ☒ In some of the previous photos in this guide, the speaker is shown installed incorrectly. During installation, make sure the speaker's two spring contacts are located at the bottom corners, as shown in the first image in this step. Images showing the speaker rotated 180° (with the spring contacts near the top edge of the phone) are incorrect.

Step 12



- Wedge the sharp edge of your iFixit opening tool between the headphone jack flex and the plastic frame it's adhered to.
- Carefully press down to separate the headphone jack flex cable from the adhesive securing it.

⚠ Don't use too much force, or you may damage the flex cable. If necessary, apply heat or a few drops of isopropyl alcohol to help weaken the adhesive and make it easier to remove.

Step 13



- Remove the headphone jack flex cable.

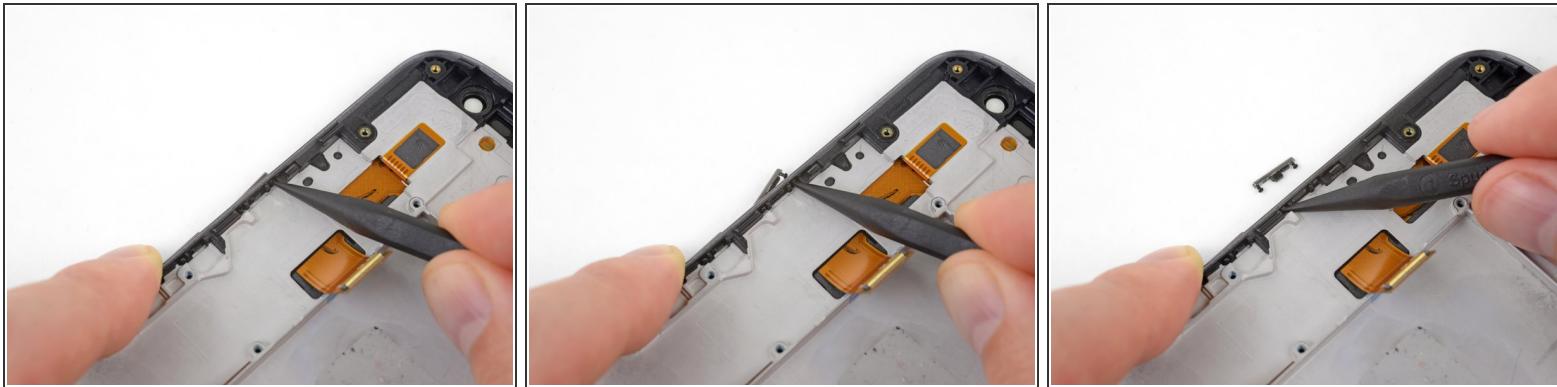
Step 14



ⓘ The two case buttons (power and volume rocker) are each secured with two mushroom-shaped pins.

- In the following steps, you'll apply pressure to these pins from the inside in order to remove and transfer the buttons.

Step 15



- Push the power button out of the frame from the inside by carefully pressing the tip of your spudger against the tops of the two mushroom pins securing it.

Step 16



- Repeat the previous step to push the volume rocker button out of the frame.

 During reassembly, press the buttons gently into the frame in the orientation shown here.

Step 17



- Only the LCD screen and digitizer assembly (with frame) remains.
- Check carefully to make sure your replacement part matches, and that you've removed all the necessary parts from the old frame for installation in the new one.

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