



LG G4 LCD and Digitizer Replacement

This guide will instruct you on how to replace a cracked or damaged LCD screen and digitizer assembly in the LG G4 smartphone.

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INTRODUCTION

This guide will instruct you on how to replace a cracked or damaged LCD screen and digitizer assembly in your LG G4 smartphone.

It may be necessary to use a pre-cut LG G4 adhesive strip or Tesa 61395 tape to secure your new screen to your device.

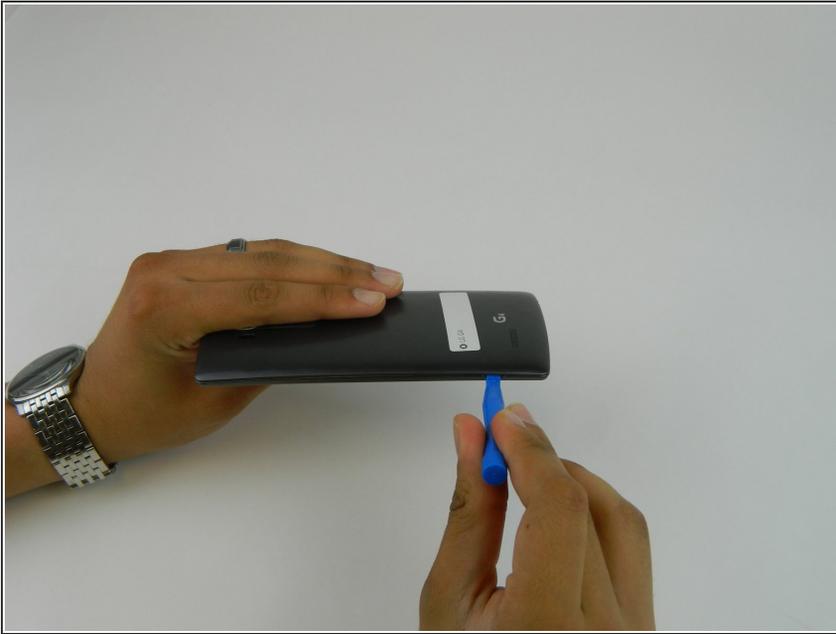
TOOLS:

- [iFixit Opening Tools](#) (1)
- [Phillips #00 Screwdriver](#) (1)
- [Heavy-Duty Spudger](#) (1)
- [Heat Gun](#) (1)
- [Heavy-Duty Suction Cups \(Pair\)](#) (1)
- [iFixit Opening Picks set of 6](#) (1)
- [Tweezers](#) (1)

PARTS:

- [LG G4 Screen](#) (1)

Step 1 — Back Cover



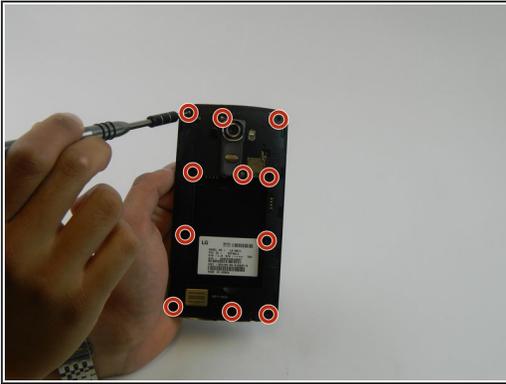
- ⚠ Make sure the phone is powered off.
- Remove the rear cover by placing the plastic opening tool in the groove on the bottom left side of the LG G4 and gently prying up.

Step 2



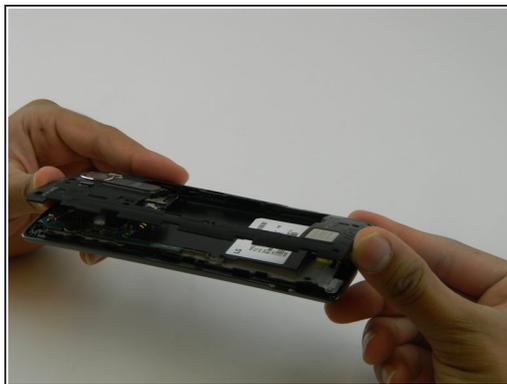
- Place the plastic opening tool at the bottom edge of the battery and lift up. Carefully remove battery with your hands.

Step 3



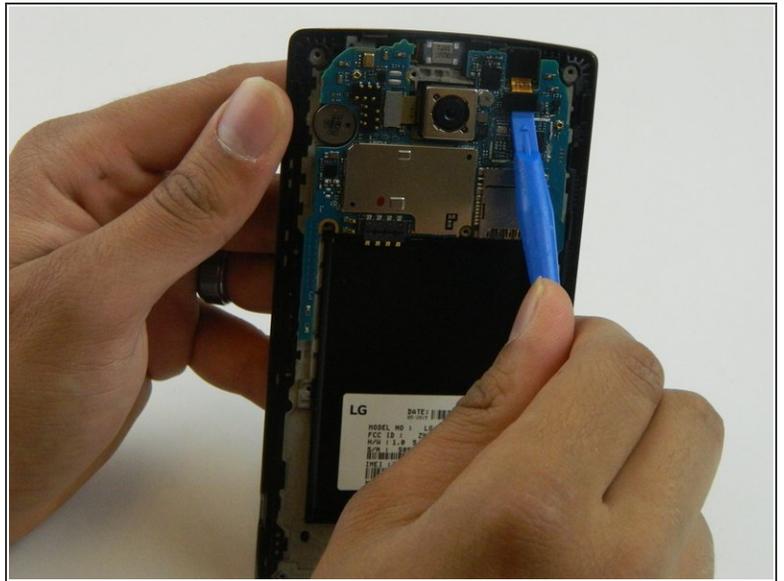
- Remove the **eleven** 3.9 mm Phillips #00 screws found at the back of the phone.

Step 4



- Once all the screws have been removed, place the plastic opening tool in the lower left corner and firmly lift the cover up.
- Detach the cover with your fingers

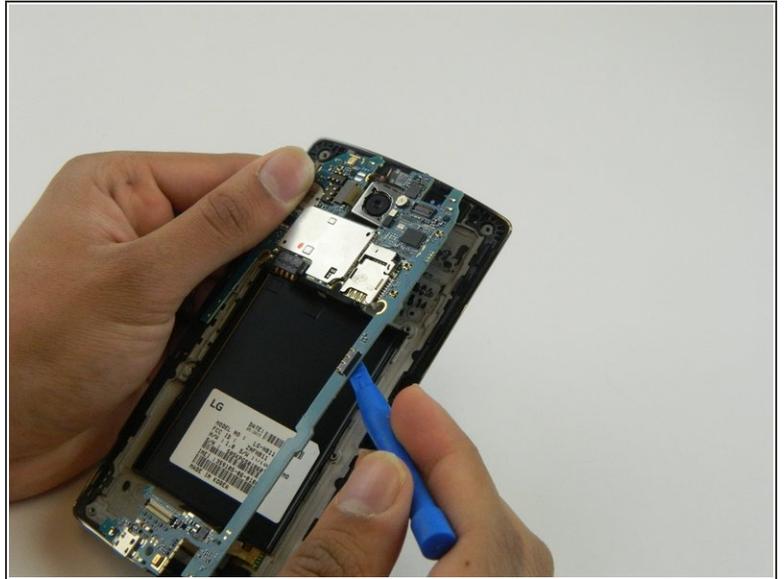
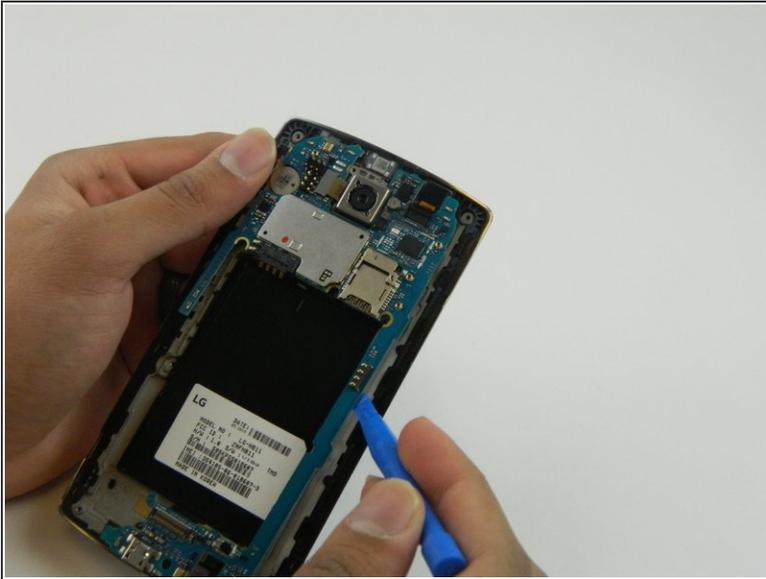
Step 5 — Motherboard



- Remove the following four press-fit connectors with the flat edge of a plastic spudger or opening tool:
 - Front-facing camera connector.
 - Rear-facing camera connector.
 - Digitizer connector.

⚠ The rear-facing camera may be held down to the frame with two sided tape. Try to move the camera with the spudger prior to lifting the motherboard. If it does not budge, use the same tool to pry it from the frame to avoid damaging the connector cable in the next step.

Step 6



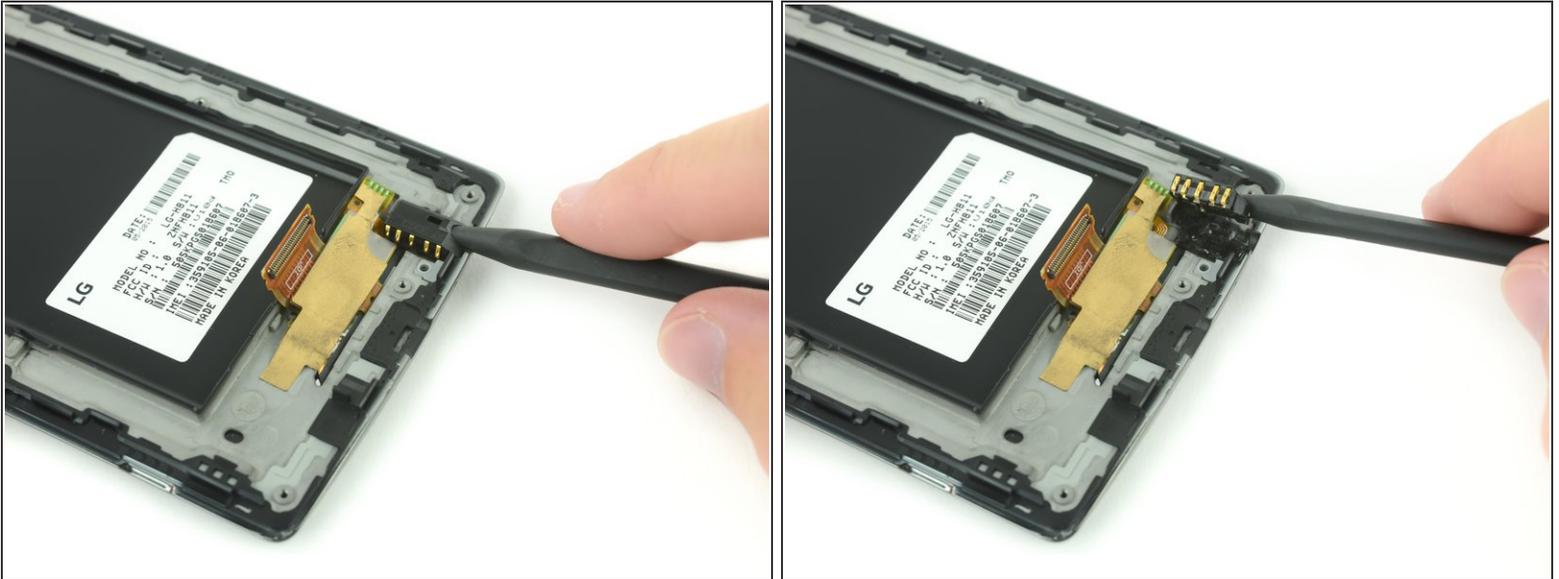
- Remove the motherboard by lifting it up using the plastic opening tool and your fingers .

Step 7 — Screen Assembly



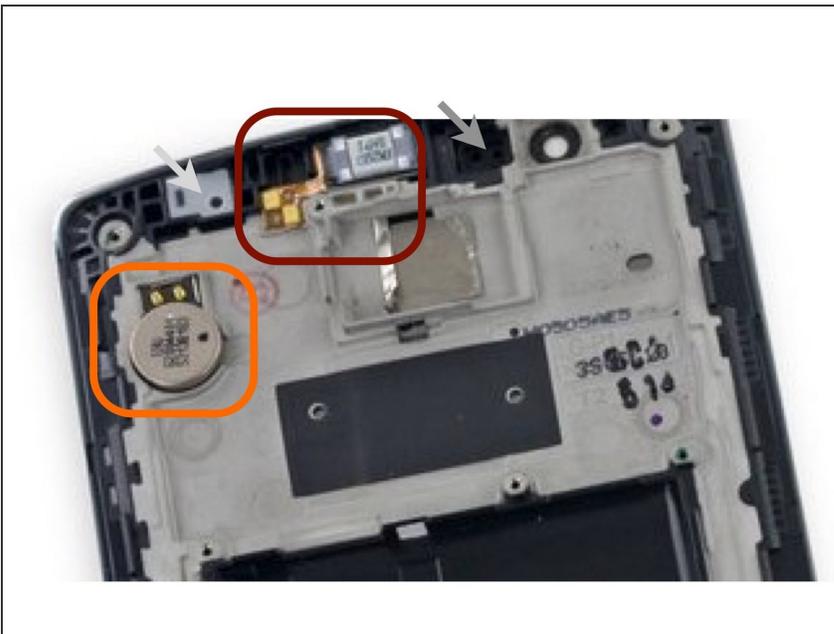
- Use a heat gun or iOpener over the auxiliary port to soften the adhesive that secures it to the plastic housing.

Step 8



- Insert a [nylon spudger](#) into the auxiliary port and gently pry upward to free the port.

Step 9 — Other components



- ⓘ You may also need to remove the vibration motor (the small circular component with two gold contacts), ear-speaker, and two rubber covers on either side of the ear-speaker to transfer these over to the new display assembly.
- Use a spudger to carefully remove these components and then place them in the new display assembly..

Step 10 — LCD and Digitizer



- Use a pair of [tweezers](#) to remove the adhesive strip that secures the digitizer ribbon cable.

Step 11



- Insert the flat side of a nylon spudger below the digitizer ribbon cable to free it from the adhesive.
- ⓘ You may use your fingers to pull the ribbon cable gently as you free the panel from the adhesive with the spudger. It may be necessary to apply more heat if the adhesive is still too strong.

Step 12



- Use a heat gun or an iOpener to soften the adhesive underneath the edges of the screen.

Step 13



- Use a [heavy duty suction cup](#) and firmly pull the screen away from the frame to create a small gap.
- ⓘ There is a very thin strip of adhesive that holds the screen to the frame; this step should not require excessive force. Apply additional heat along the edges of the phone if the screen is difficult to free.

Step 14



- Insert a [plastic opening pick](#) into the gap between the screen and the plastic housing.
- Slide the plastic opening pick along the border of the screen to break any additional adhesive and free the screen assembly.

Step 15



- Remove the [LCD screen & digitizer assembly](#).
- ⚠ Feed the digitizer ribbon cable gently through the frame.

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