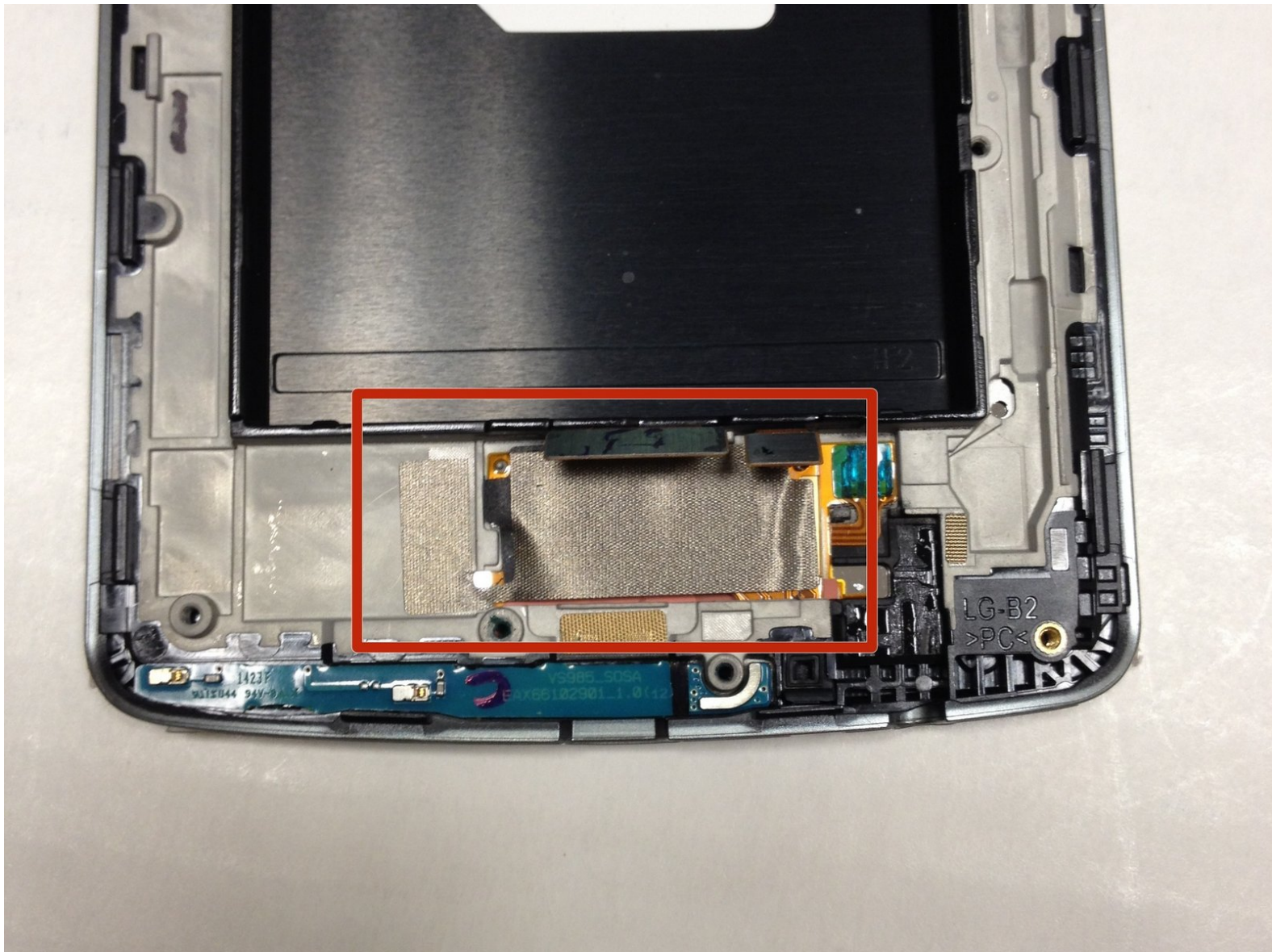




LG G3 LCD and Digitizer Replacement

Use this guide to replace the bare glass screen and digitizer on your LG G3.

Written By: Sam Goldheart



INTRODUCTION

This guide will show you how to replace a damaged digitizer and LCD on your LG G3.

This part is only the fused display and digitizer and does not contain the support frame. If your replacement part includes the frame, follow this shorter, less complicated [screen replacement guide](#).



TOOLS:

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




PARTS:

- [LG G3 Display Adhesive](#) (1)

Step 1 — Back Cover



-  Power off your phone before beginning disassembly.
- Insert a thumbnail, or a prying tool like a spudger, into the notch at the bottom left of the back cover.
 - Pry the back cover up to separate its plastic clips.

Step 2



- Lift the back cover to release the rest of the plastic clips and remove it.
 - ❗ In case you can't lift the back cover completely, slide your fingernail or your prying tool around the midframe to release the remaining clips.
- 🔧 To reinstall the back cover, press it firmly into place until you hear a snap from the plastic clips to form a seamless connection with the rear side of the phone.

Step 3 — Battery



- Use a fingernail or a prying tool at the marked notch to lever the battery out of its recess.

Step 4



- Lift the battery out of its recess and remove it.

Step 5 — Loudspeaker



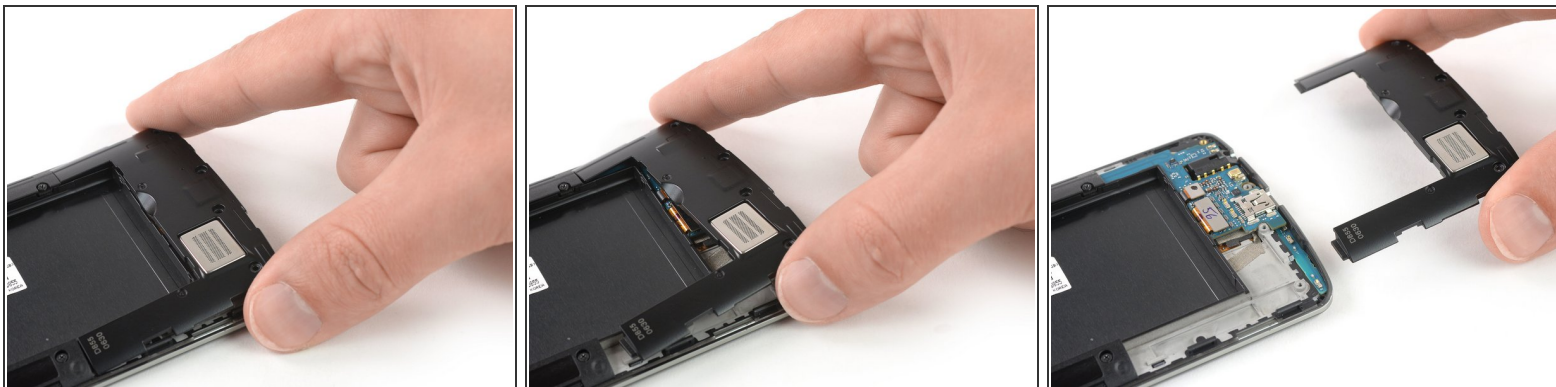
- Remove the four Phillips #00 screws (4 mm length).

Step 6



- Insert a thumbnail, or a prying tool like a spudger, into the notch at the bottom left of the back cover you used earlier to remove the back cover.
- Pry up the plastic panel, including the loudspeaker, until you can get a good grip.

Step 7



- Carefully remove the plastic panel including the loudspeaker by gently pulling it away from the phone assembly.

Step 8 — Motherboard Cover Assembly



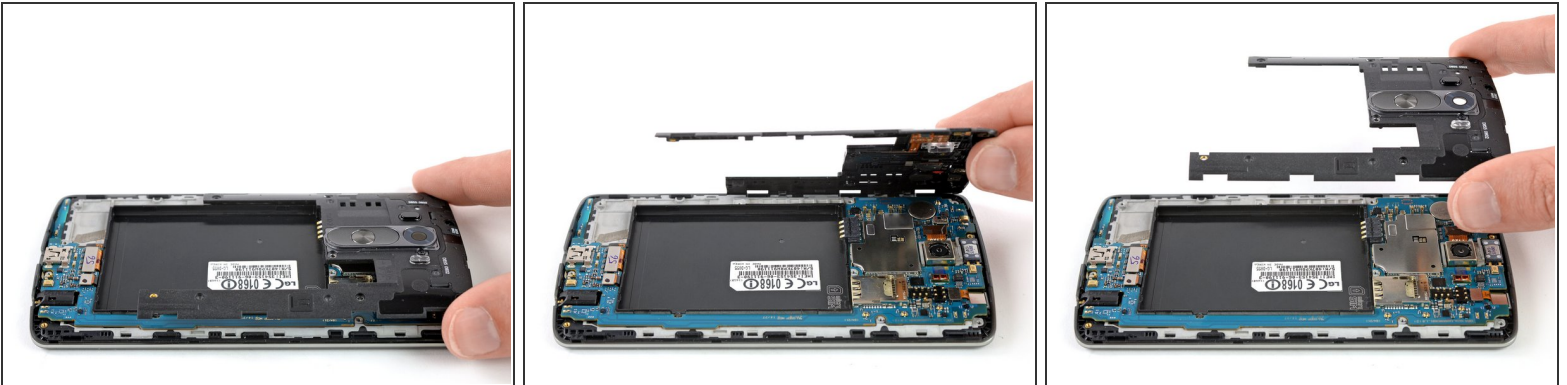
- Remove the eight Phillips #00 screws (4 mm length).

Step 9



- Insert an opening pick between the bottom right corner of the motherboard cover and the motherboard.
- Pry up the motherboard cover to open the plastic clips which hold the cover in its place.
 - ❗ The clips can be a bit resistive. If you're having trouble prying up the motherboard cover, slightly rotate the opening pick sideways to make the process easier.
- Work your way along the right edge.

Step 10



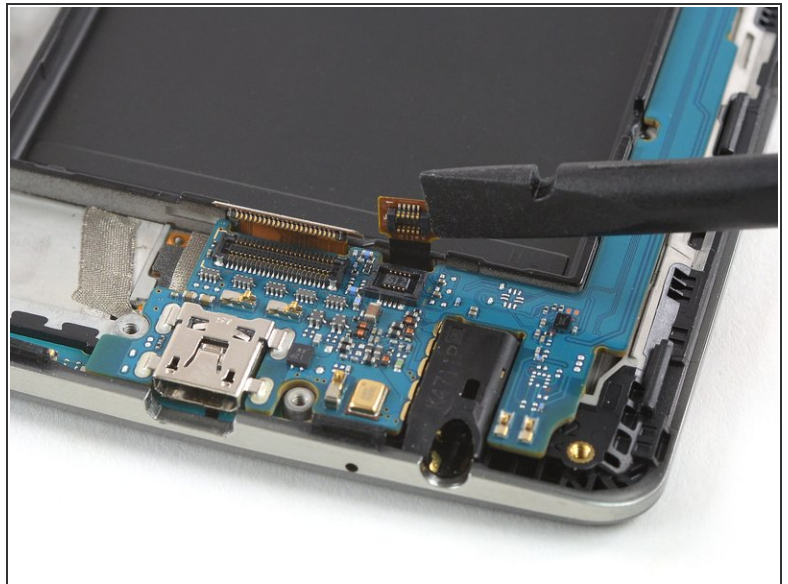
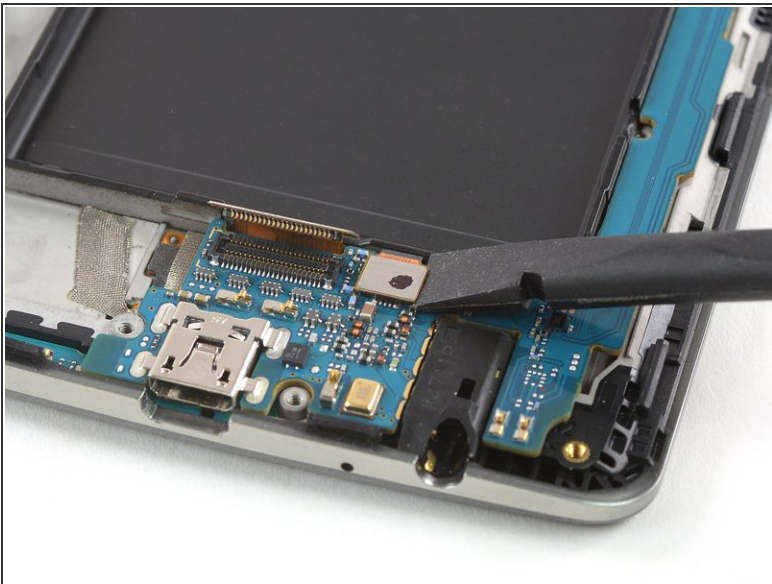
- Carefully lift the right edge of the motherboard cover.
 - ❗ The remaining plastic clips should open during this process or can be unhinged easily by hand.
- Remove the motherboard assembly.

Step 11 — Motherboard



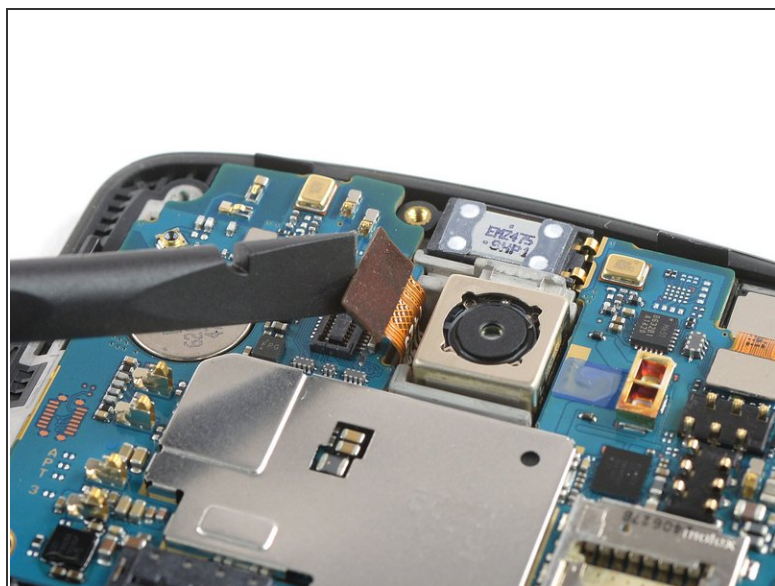
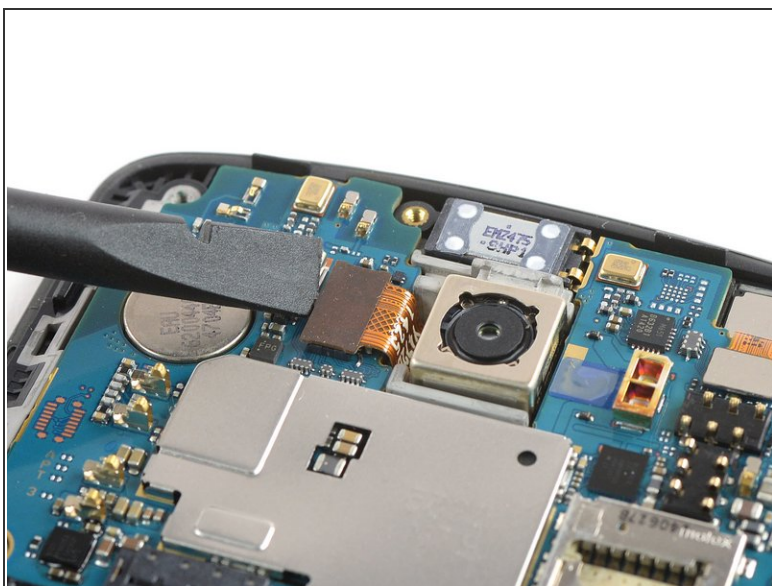
- Use a spudger to pry up and disconnect the display flex cable.

Step 12



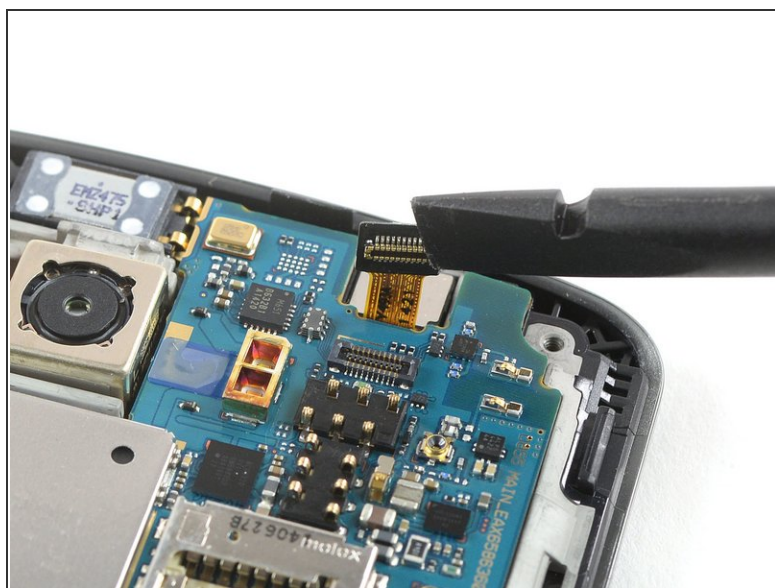
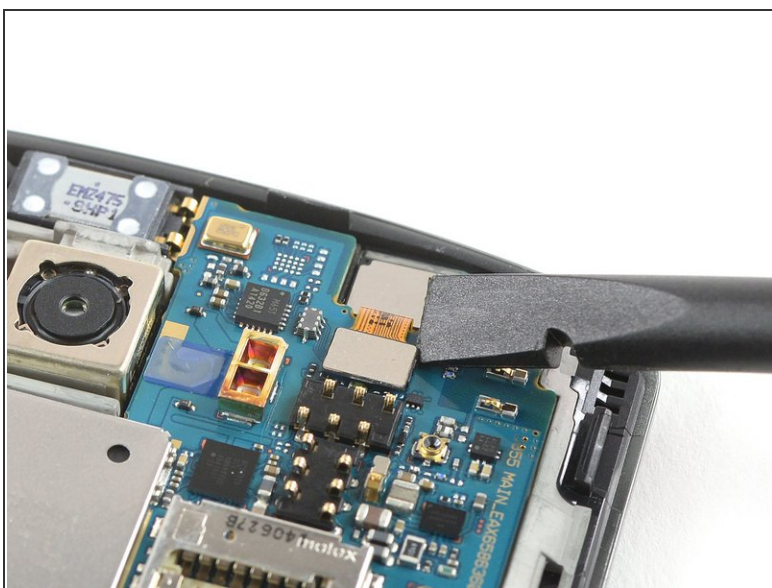
- Use a spudger to pry up and disconnect the digitizer flex cable.

Step 13



- Use a spudger to pry up and disconnect the rear camera flex cable.


Step 14



- Use a spudger to pry up and disconnect the front camera flex cable.

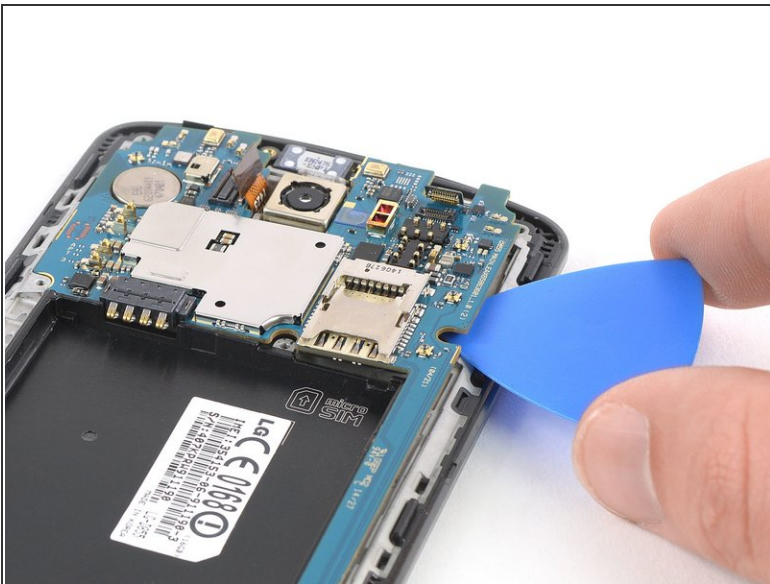
Step 15



 During these next few steps, make sure to avoid damaging the flex cables you disconnected.

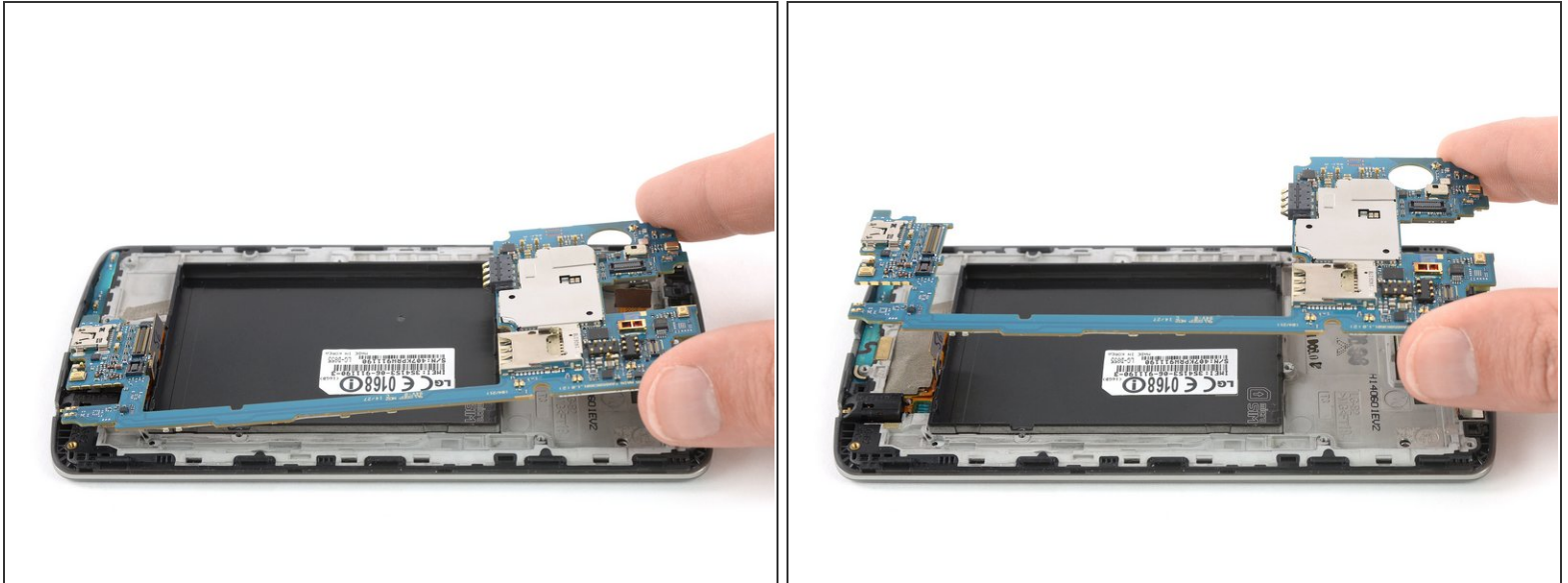
- Slide an opening pick under the bottom right corner of the motherboard and slowly pry it out of its recess by rotating the opening pick sideways.

Step 16



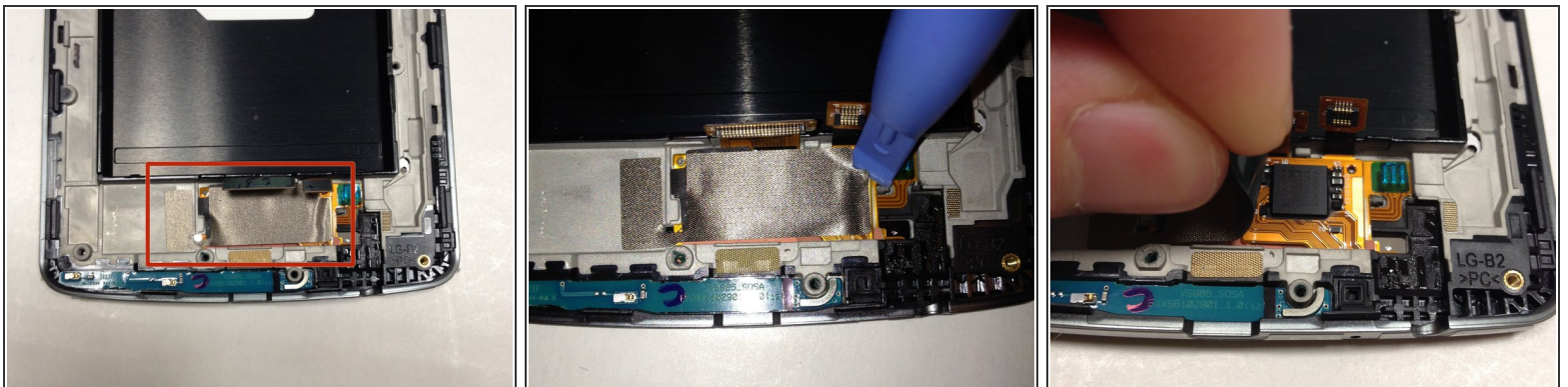
- Slide the opening pick under the right edge of the motherboard where the SIM card slot is located and pry it up by rotating the opening pick sideways.

Step 17



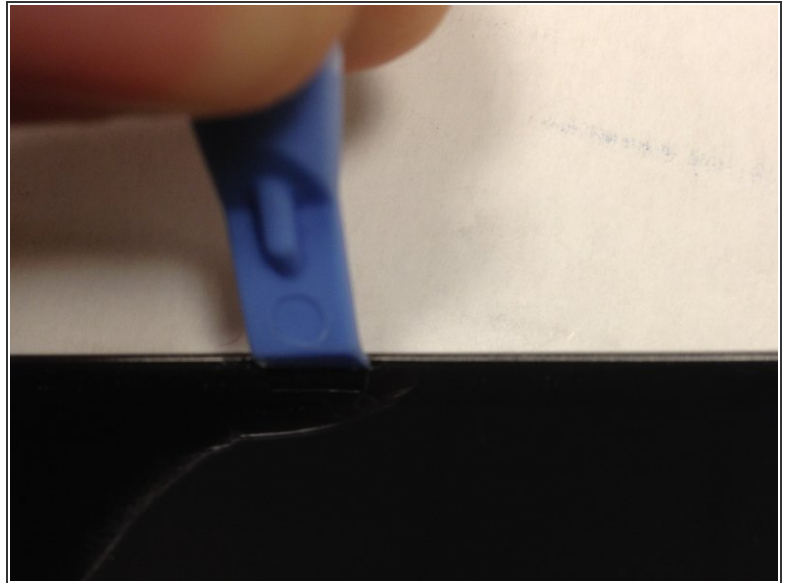
- Grab the top section of the motherboard and carefully lift it out of the phone.

Step 18 — LCD and Digitizer



- Remove the metal tape to reveal the ribbon cables connected to the screen
 - The metal tape is stuck on there pretty well. Get the plastic opening tool under the right-hand side and corners and slowly work your way to getting it off
 - Be careful when removing the metal tape. We can reuse it after we replace the screen

Step 19



- i** If you wish to preserve the LCD screen for whatever reason, it is recommended you use a heat gun around the sides in order to weaken the adhesive that keeps the screen in place

 - Take something thin, such as a knife, and wedge it between the screen and the body of the phone
 - Once you have created some space, wedge your plastic opening tool into the space and remove the knife
 - Move your plastic opening tool up and down the side of the phone while lightly pulling up. Repeat this for all sides until the screen comes out
- i** If you wish to preserve the LCD screen, be careful how deep you wedge the plastic opening tool in and how hard you pull up to get the screen out. Depending on the depth of the plastic opening tool and strength used, there is a high risk of damaging the LCD screen
- i** Remove the old adhesive from the body and replace with new adhesive so the new screen will stay in place

Step 20



- ✦ Before reassembly, be sure to transfer the front speaker grille if it is not included with the new screen. If not, carefully push the grille out from the old screen, then reinsert it on the new LCD.

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