



LG G2 LCD and Digitizer Replacement

This is a guide to repair your LG G2 Glass/LCD. The glass and LCD are fused together, so be sure you buy them as one part.

Written By: Jeremy Thompson



INTRODUCTION

Phone repair requires patience. Lots of patience. If you don't want to go through all of the steps listed, then do not attempt this repair. I believe any one can do this if they go SLOWLY and they PAY ATTENTION to what they're doing. Ribbon cables are our friends as long as we respect them. I recommend using a spudger for disconnecting all ribbon cables. Be sure you're not touching the boards or any of the components on the boards—hold all boards from the sides with your fingertips. Do not use metal prying tools (unless you like dead phones). Proceed with patience, and good luck :)

TOOLS:

- Spudger (1)
- iSesamo Opening Tool (1)
- Heat Gun (1)
- iFixit Opening Tools (1)
- Tesa 61395 Tape (1)
- Phillips #00 Screwdriver (1)

PARTS:

- LG G2 (Sprint) Screen (1)

Step 1 — LCD and Digitizer



- Power down your phone.
- With your screen facing down, look on the right side of the phone for the SIM drawer. Slide your metal opening tool just above the drawer and push upward. Use gentle pressure (never force anything) and make your way around the perimeter of the device. The phone back is just clipped on—no adhesive here!

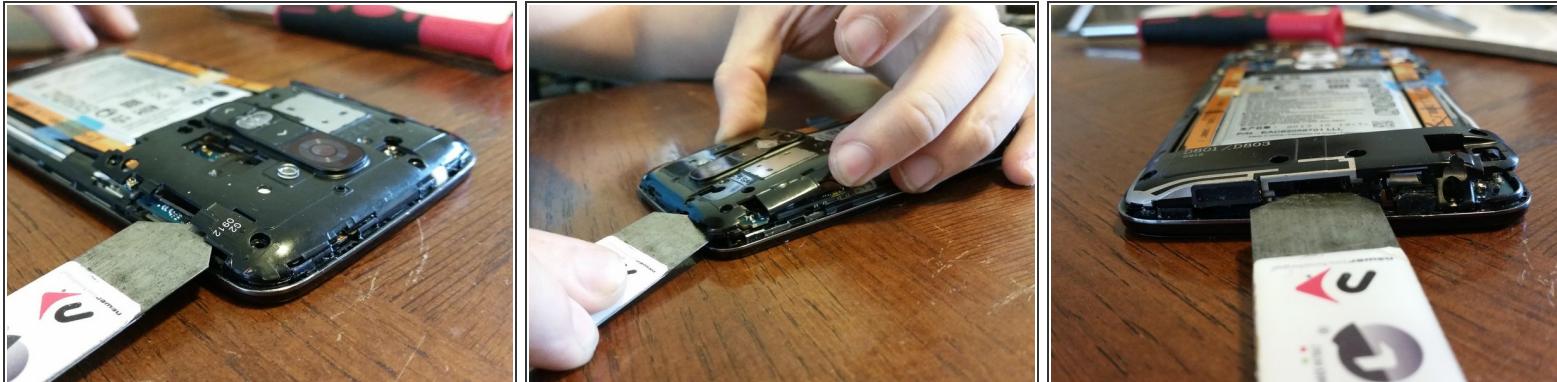
Step 2



- Remove the eleven Phillips #00 silver screws and one black (circled in yellow) securing the midframe.

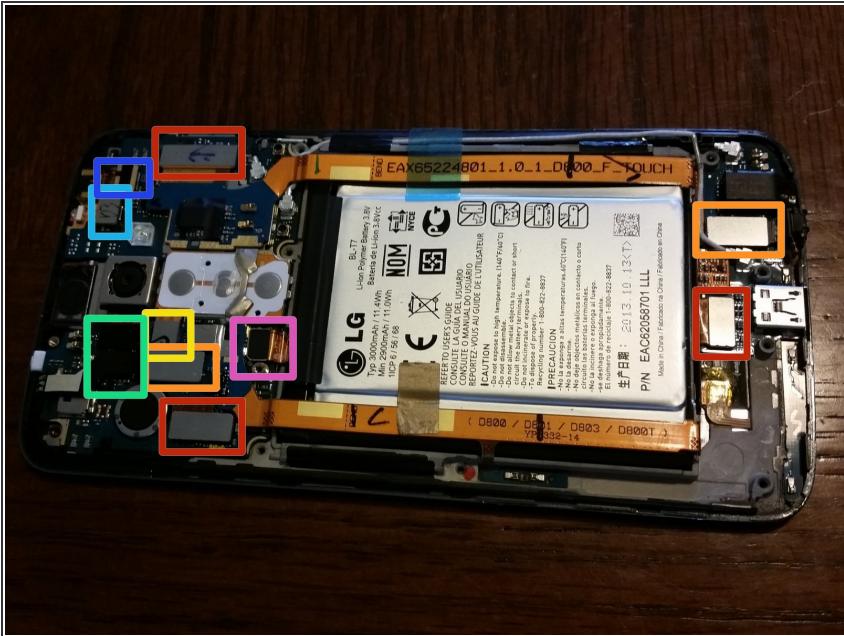
 The screws have different finishes and slightly different shapes. Make sure you organize them so that you can reassemble the phone correctly.

Step 3



- The back case of the phone has two separate pieces; we will pry them up now. Slide the spudger under the back case (mind the motherboard under it—keep your clearance as high as possible).
- Be sure you use gentle upwards pressure. iFixit Jedi know too much pressure results in poor repairs.

Step 4



- Now that the back case has been completely removed, it's time to disconnect all the ribbon cables connected to the two boards.

Step 5



- Disconnect the antennas from both sides of the top and bottom boards.
- Be EXTREMELY careful separating these from the board! As you can see in the second picture, these aren't held down to the board well. (Even after eight years of fixing phones, even the best Jedi can still exert too much force.)

Step 6

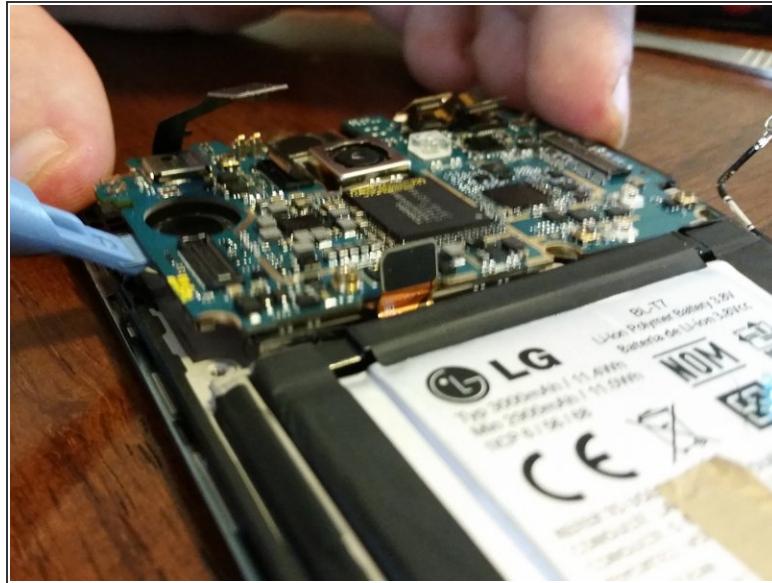


- On the bottom-left side of the phone is a little board that goes with this dual-ribbon board contraption. Be sure you give the board a little push with your plastic prying tool—it'll eventually loosen.
- Gently lift the board from the top with the power button/volume assembly in your fingers, and pry the bottom part of the board free of the phone housing.

i The cables on the bottom can get caught on the bottom board—just be gentle as you lift it out of the phone.

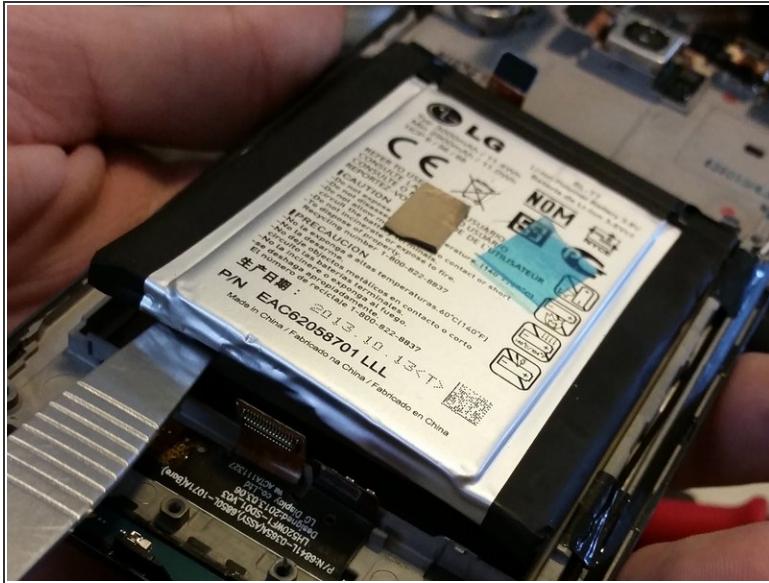
★ In picture 3 there is a red box around a little plastic piece that comes with this assembly. Remember this tucks UNDER the board once you're putting it back in.

Step 7



- Make sure all of your ribbon cables are free of the board. Use your plastic prying tool and lift up on the board. If all of the cables are out of the way, it will come free.

Step 8



- Now you need to get that battery out of there. I used a sturdier metal prying tool to CAREFULLY slide under the battery to free it from the adhesive. An old credit card might work better and pose less risk to the battery.

⚠ Do not puncture or deform the battery, or it may leak dangerous chemicals or catch fire.

Step 9



- Ready to get hot and steamy? Get out that heat gun baby!
- Keep your heat gun about 4-6 inches above the screen of the phone and make even passes back and forth over the glass. Keep the heat on it for 1-2 minutes.
- Now let's get that screen out!

Step 10



- Take a thin prying tool and slide it between the glass and the plastic housing of the phone.
- Go around the perimeter of the phone and lift the glass free. Do not slide your opening tool in too deep while doing this.
⚠ Don't slice any cables! There's one in the upper-right corner, plus a wide, flat one with two connectors on the bottom, towards the middle of the screen.
- Carefully pry the ribbon glued down on the inside opposite the screen. Once that is free, slide it and the small connector through the case just to the side of it out to free up the screen to remove.
- ☒ Be sure when replacing the screen to use a good bit of double-sided tape. I had problems with the bottom right corner coming up and had to disassemble and reapply tape.

Step 11



- Problems? When I replaced this screen I couldn't get it to turn on at first. If this happens, hold the volume down and power buttons simultaneously.
 - ⓘ This will reset the phone and hopefully get it to recognize that new screen.
- ☒ When re-assembling the device, there is a chance your clips will not fit correctly over the volume and power button faceplate. A little force around it should snap them together.

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