



Kindle Fire HD Display Assembly (Front Glass and LCD) Replacement

Use this guide to help you replace the Front Glass/LCD in an Amazon Kindle Fire HD 7".

Written By: Yosef



INTRODUCTION

Use this guide to help you replace the Front Glass/LCD in an Amazon Kindle Fire HD 7".

TOOLS:

- T5 Torx Screwdriver (1)
- Phillips #00 Screwdriver (1)
- iFixit Opening Tools (1)
- Xacto Knife, or Razor Blade (1)

PARTS:

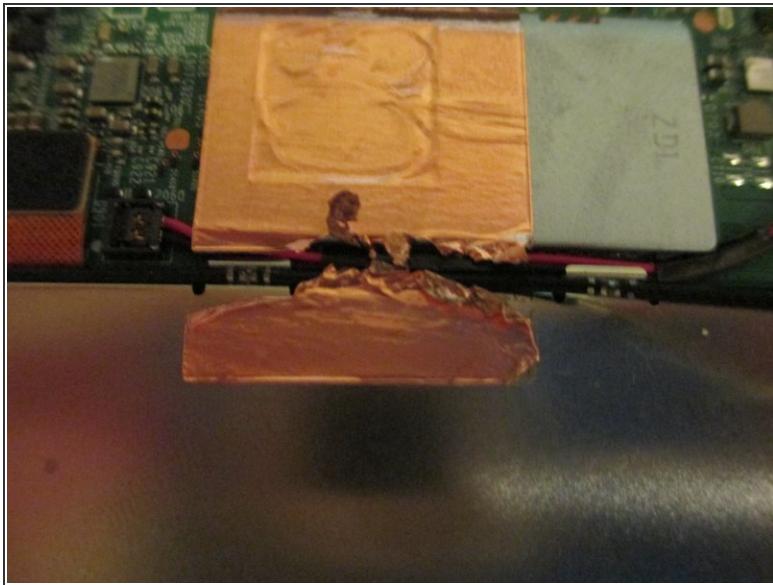
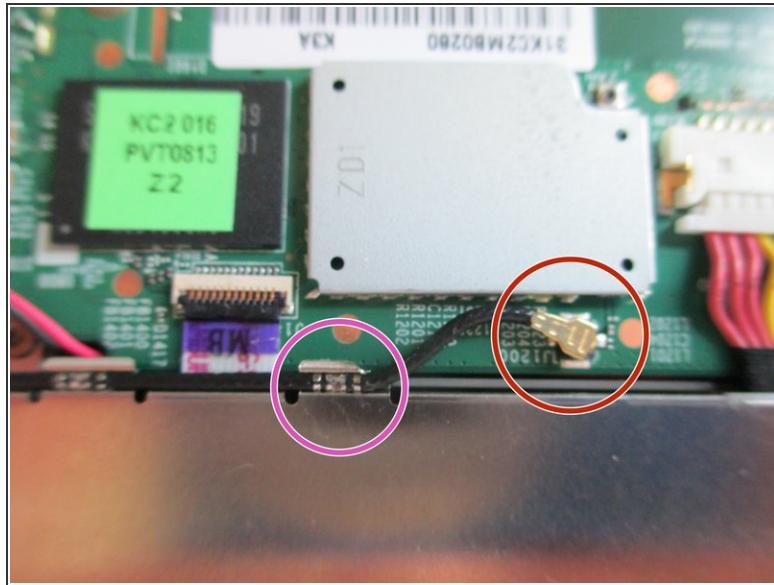
- Kindle Fire HD 7" (1st Gen) Screen (1)
- Kindle Fire HD 7" (2012, 1st Gen) Volume/Power Buttons and Ribbon Cable (1)
- Kindle Fire HD 7" (2012, 1st Gen) Midframe (1)
- Kindle Fire HD 7" (2012, 1st Gen) Motherboard (1)

Step 1 — Open the Kindle



- Wedge a plastic opening tool into the lower right corner of the Kindle Fire.
- Pry the case apart and run the plastic opening tool along the perimeter of the Kindle Fire to release the clips securing the case halves to each other.
- *i* If you are having difficulty inserting the plastic opening tool, carefully use a metal spudger (or a small flathead screwdriver) to undo the first clip, then switch back to the opening tool to avoid scratching your case.
-  The case is held on by clips along the perimeter of the bottom half of the Kindle. Zoom into the image to see where these clips are located.

Step 2 — Detach antenna wire from battery case



- Carefully split/cut the copper tape (which protects parts of the motherboard from heat) with a razor blade to allow removal of the antenna wire.
 Be careful not to cut too deep and damage the wire.
- Unclip the antenna wire from the motherboard.
- Unclip the antenna wire from each clip on the battery case (until the speaker).
 Be careful not to rip the wire, however the wire should be strong enough and should come out with enough force.

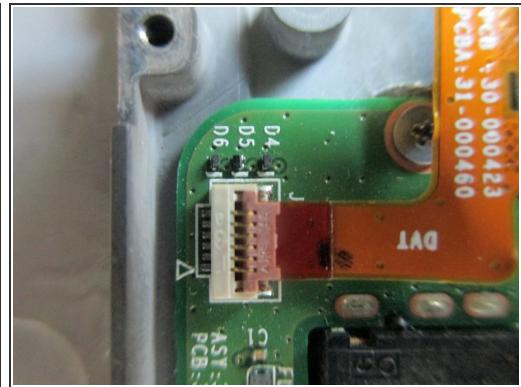
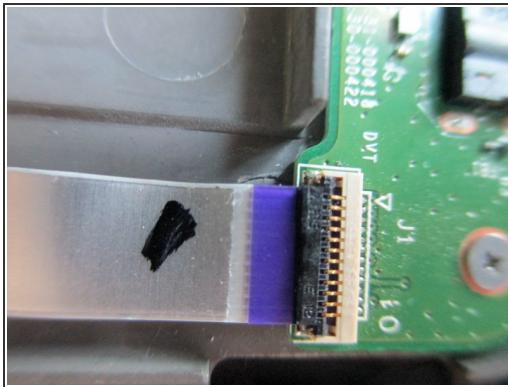
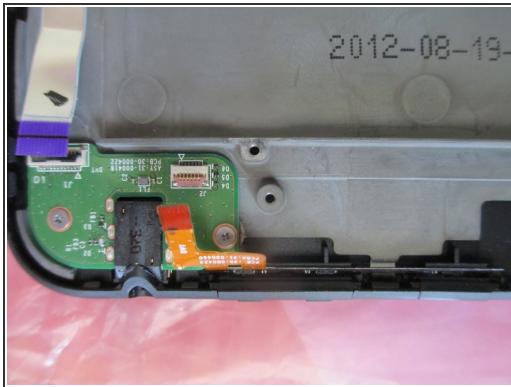
Step 3 — Remove battery



 Tip: keep track of all your screws so reassembly will be simple and easy. One easy method is to take a small piece of tape, stick the head of each screw (in that step) to the tape, and then attach a scrap of paper (with the name/location written on it) to the tape.

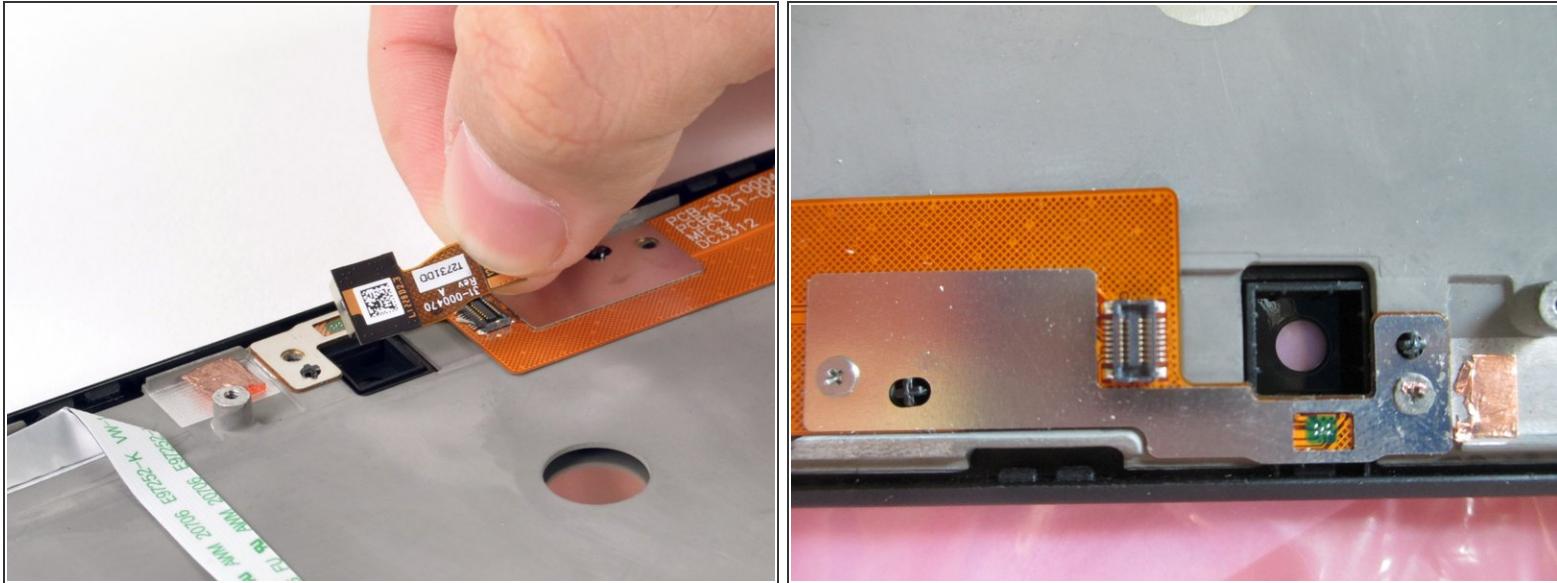
- Remove four Phillips #00 screws and one T5 Torx screw which secure the battery in place.
 - The T5 Torx screw is located on the motherboard near the antenna clip. Remove it using a special T5 Torx screwdriver.
-  If you aren't equipped with the T5 Torx screwdriver, you could try using your fingers, but it will be very difficult to remove it.
- To remove battery, lift battery up and away from Kindle, and pull cable out of motherboard.

Step 4 — Detach cables and remove headphone jack



- ⓘ For both cables attached to headphone jack, there is a small black or pink flap which secures the cable into the board.
- Flip up the covering/flap with your finger, and detach cable. Repeat for second cable. Also repeat for the other end of the long cable (attached to motherboard).
- Remove the two screws which secure the board in place.
- Lift and remove the board.

Step 5 — Remove Camera



- The camera pops out easily by lifting and gently pulling it up out of the connection.
- Remove both screw which secure the flat metal to the gray casing.
- *(i)* If the screw near the camera is covered by a copper sheet, scrape away the copper using a razor blade or something similar.

Step 6 — Detach display cables from motherboard



- Unscrew the clamp covering the small display cable.
- Detach the three display/touch screen cables from the motherboard by pulling up the tabs until they snap off.
- Cut the copper sheet between the motherboard and outer gray casing using a razor blade or something similar.

Step 7 — Remove Motherboard and Speakers



- Remove all the screws from the motherboard and speakers.
- Remove the motherboard and speakers from the gray casing.

i You may keep the speakers attached to the motherboard.

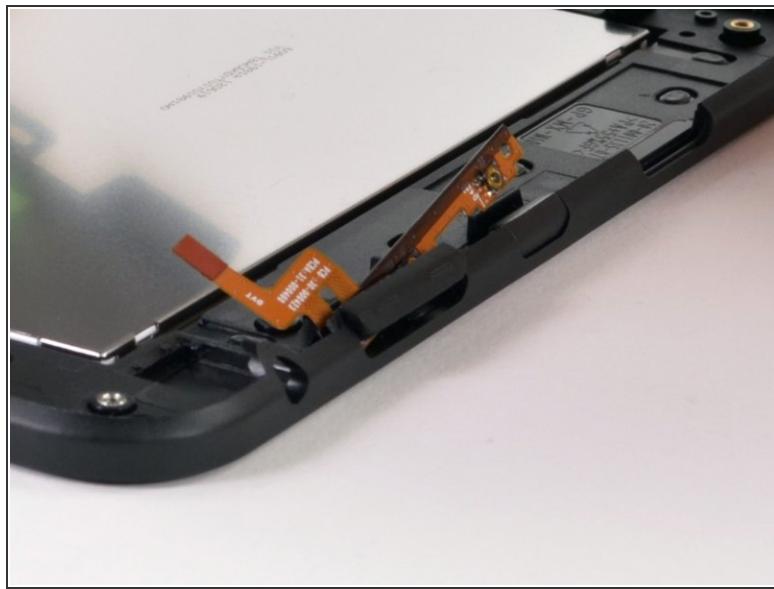
Step 8 — Remove Gray Tray and Antenna



- Lift the gray tray from the side shown in the picture.
- Peel the antenna off the black outer casing.

i The Wi-Fi antenna is held down by a minor adhesive.

Step 9 — Remove power/volume buttons strip



- Remove the strip which touches the power and volume buttons.
- ☒ When reassembling, make sure the buttons on the frame align with the small push-buttons on the strip.
- The device is disassembled! Replace the Display/LCD.

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