



# 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".

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## 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:

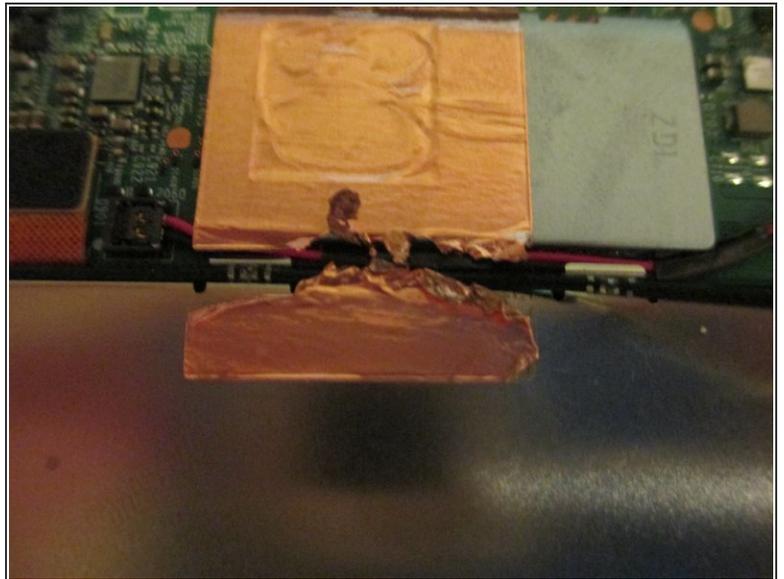
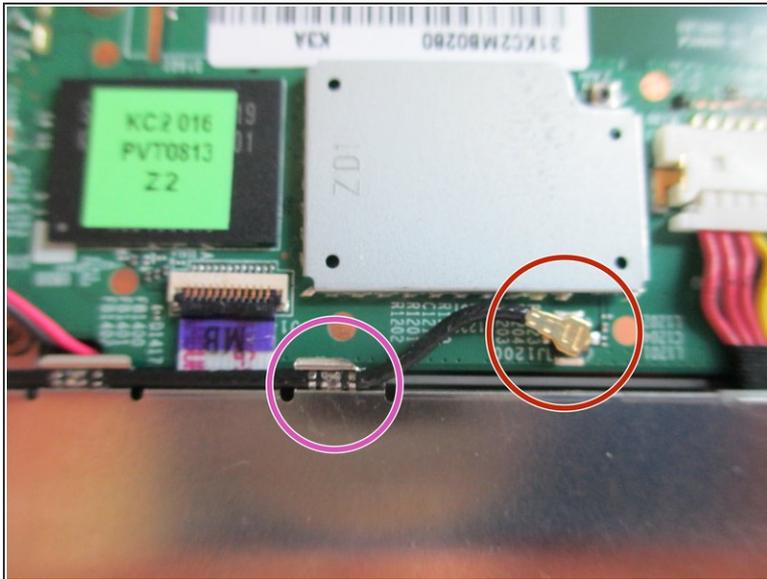
- [Kindle Fire HD 7" \(1st Gen\) Screen](#) (1)
- [Kindle Fire HD 7" \(2012, 1st Gen\) Volume/Power Buttons and Ribbon Cable](#) (1)
- [Kindle Fire HD 7" \(2012, 1st Gen\) Midframe](#) (1)
- [Kindle Fire HD 7" \(2012, 1st Gen\) Motherboard](#) (1)

## 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.
- ⓘ 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



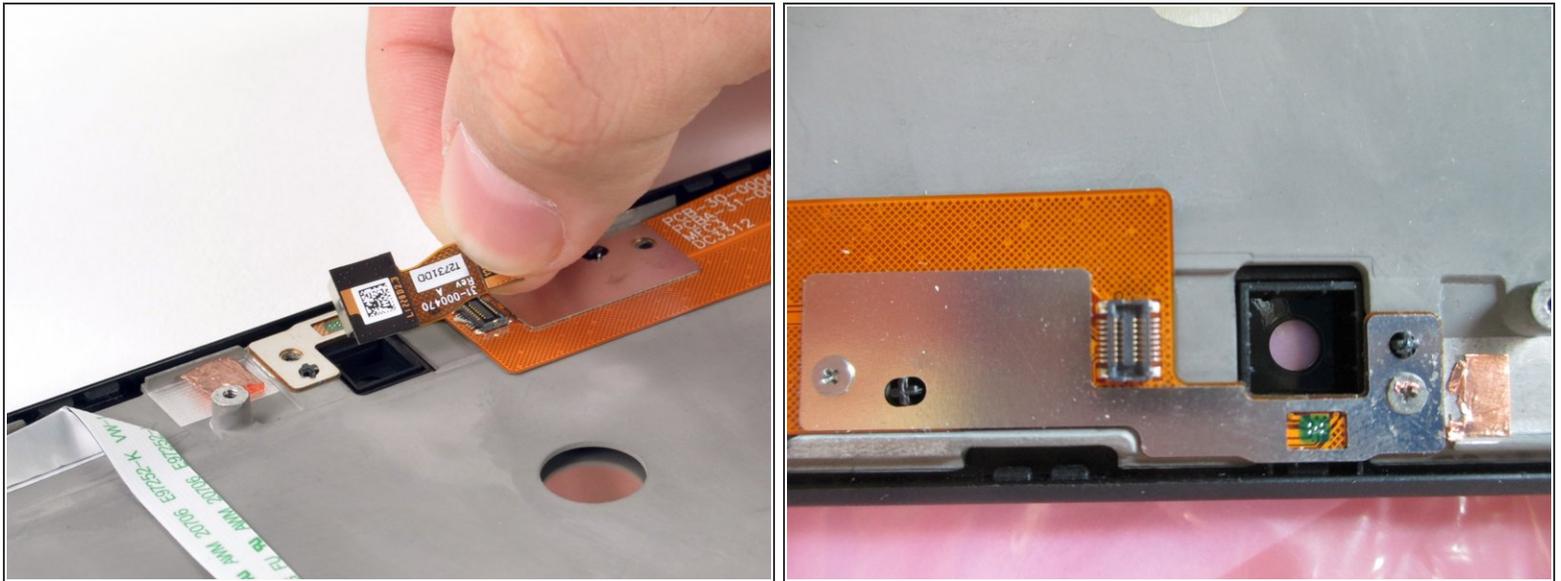
- ✦ **Tip:** keep track of all your screws so reassembly will be simple and easy. One easy method is to take a small piece of tape, stick the head of each screw (in that step) to the tape, and then attach a scrap of paper (with the name/location written on it) to the tape.
- Remove four Phillips #00 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



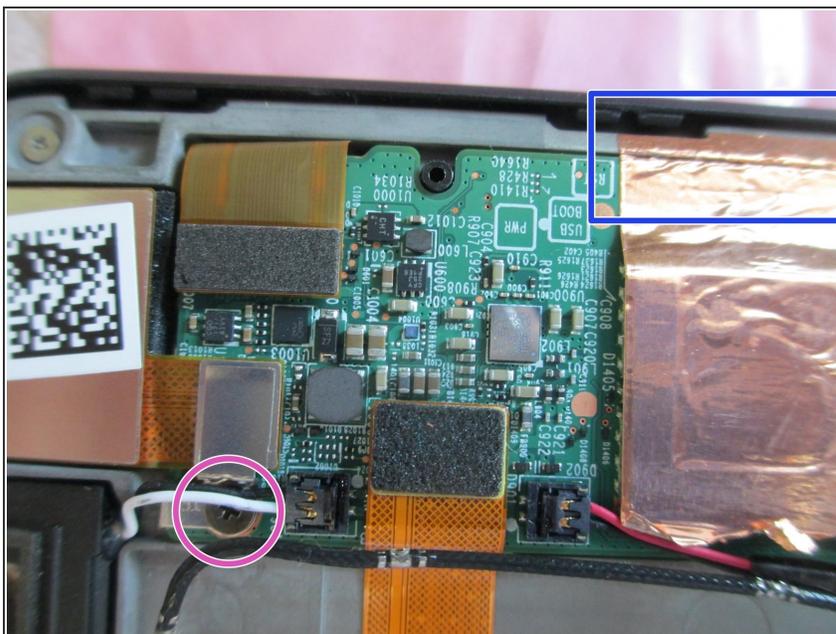
- ⓘ For both cables attached to headphone jack, there is a small black or pink flap which secures the cable into the board.
- Flip up the covering/flap with your finger, and detach cable. Repeat for second cable. Also repeat for the other end of the long cable (attached to motherboard).
- Remove the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

## Step 5 — Remove Camera



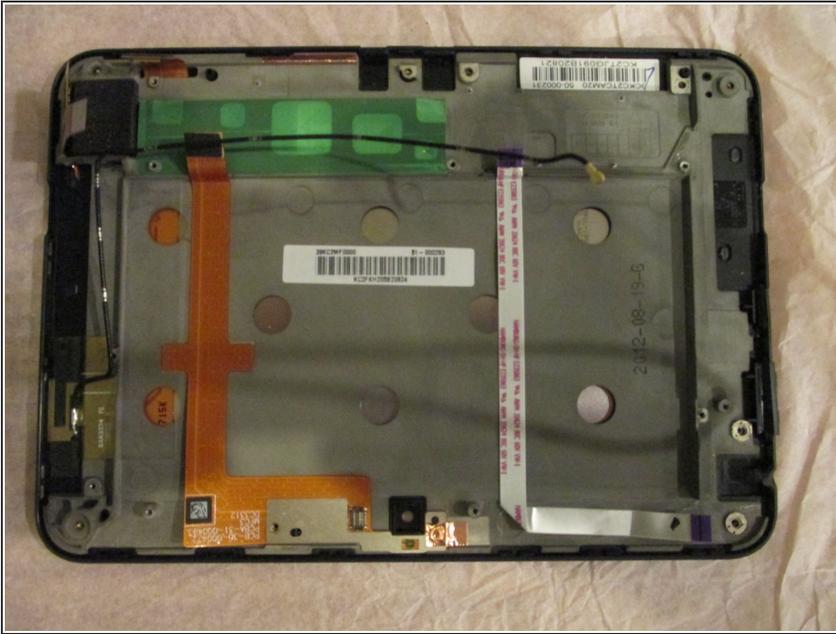
- The camera pops out easily by lifting and gently pulling it up out of the connection.
- Remove both screw which secure the flat metal to the gray casing.
- ⓘ If the screw near the camera is covered by a copper sheet, scrape away the copper using a razor blade or something similar.

## 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



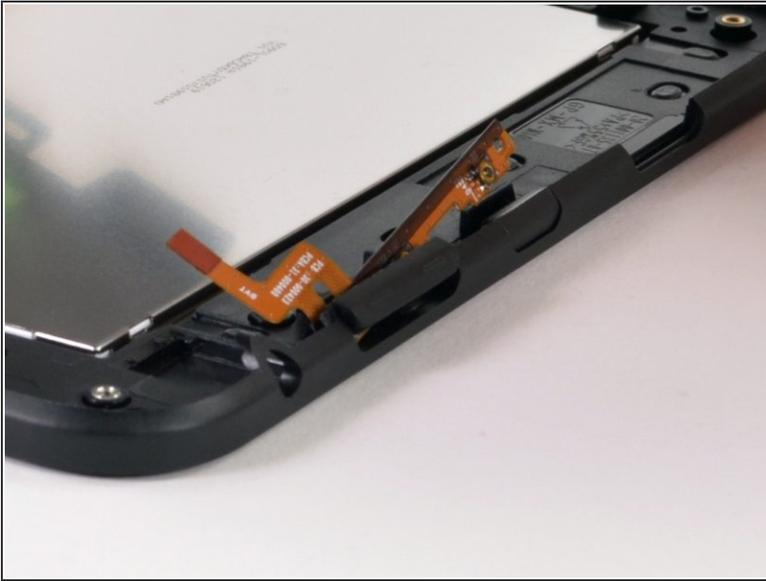
- Remove all the screws from the motherboard and speakers.
- Remove the motherboard and speakers from the gray casing.
- ⓘ You may keep the speakers attached to the motherboard.

## 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.
- ⓘ 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.