



Asus ZenFone 2 Laser Display Replacement

Use this guide to repair a damaged LCD, cracked screen, or other screen damage on your Asus ZenFone 2 Laser (Model No. ZE551KL or ZE550KL).

Written By: Kevin Stuckey



INTRODUCTION

Outline what you are going to teach someone how to do.



TOOLS:

- [iSesamo Opening Tool](#) (1)
- [Phillips #0 Screwdriver](#) (1)
- [iFixit Opening Tools](#) (1)
- [Tweezers](#) (1)
- [iFixit Opening Picks set of 6](#) (1)



PARTS:

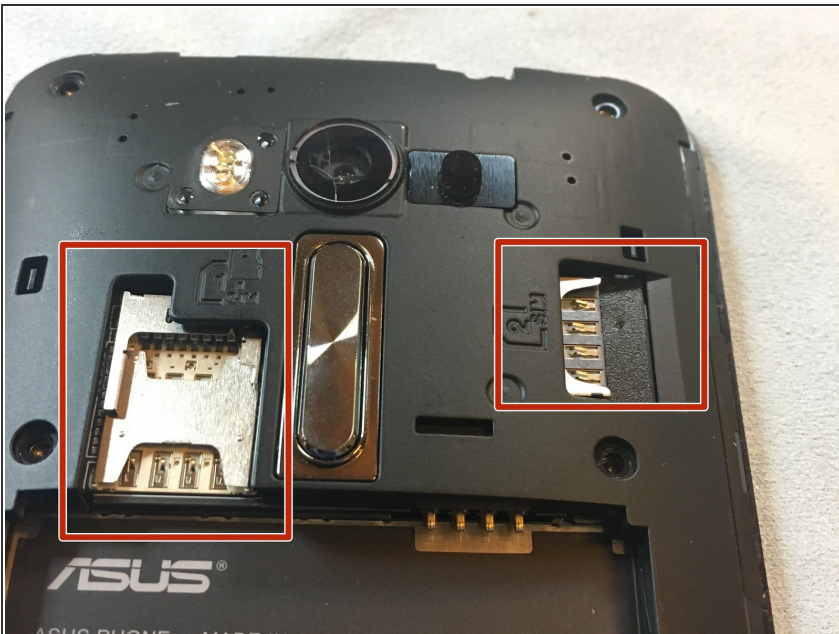
- [ZenFone 2 ZE551KL display](#) (1)

Step 1 — Remove back cover



- Insert a spudger or a your fingernail in the slit in the rear case on the right to separate the phone from the case.
- There are a few plastic clips, but it shouldn't be too difficult to remove.

Step 2 — Remove SIM card and SD card



- Slide out the SIM card and SD card (if applicable)

Step 3 — Remove Battery



- Remove the battery from the phone by using a spudger near the bottom.

Step 4



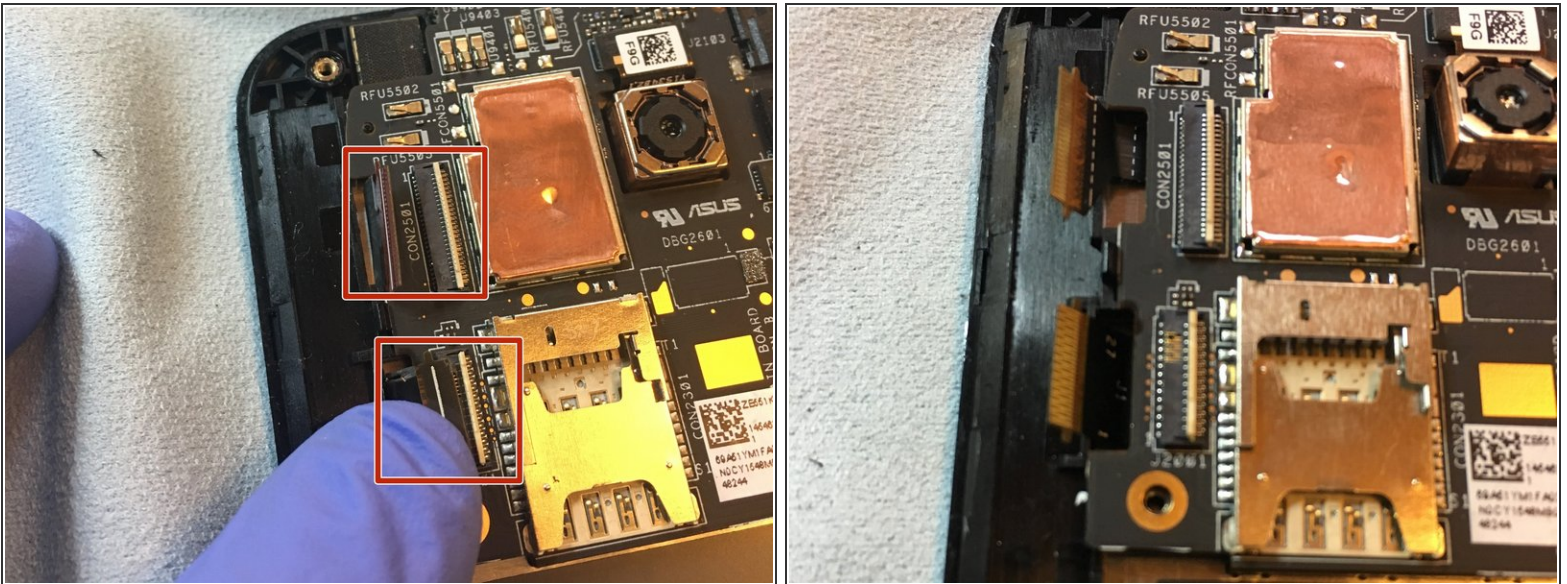
- Remove 12 Phillips screws from the phone.
- ⓘ There are only 8 pictured, but there are also four at the bottom.

Step 5 — Remove plastic covering



- Remove the plastic covering after taking out the screws. It should come out relatively easily.
- ⓘ If the rubber camera piece falls out, put it back in the square where the rear camera sits.

Step 6 — Remove Display Flex Cables



- Use a spudger swing open the white "door" and use tweezers to pull out the connector.

Step 7 — Remove Loudspeaker



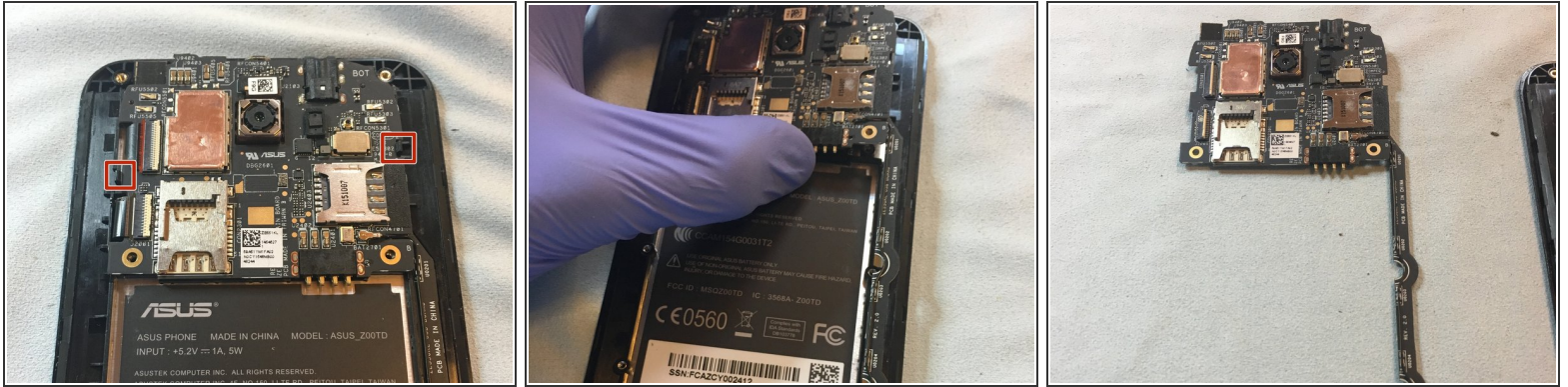
- Use a spudger to pop off the loudspeaker. It is held to the case by a little adhesive.

Step 8 — Move Vibration Motor



- Pick up the vibration motor out of its plastic housing.
- ⚠ Do not remove the vibration motor entirely since it is soldered to the logic board.

Step 9 — Remove Logic Board



- There are two plastic clips that hold the logic board down. Push one out of the way and grasp the logic board to pull it out.
- You want to grab the entire logic board, including the skinny piece that extends down the right to the micro-USB port.

Step 10 — Plastic Bezel Removal



- If your new display includes the plastic bezel, you can stop here and begin transferring everything over. If it doesn't, please continue.

Step 11 — Remove Glass Display



- Insert your spudger, perhaps an iSesamo, to the top right of the display. You will want to slide it between the glass and the plastic bezel.
- There is a good amount of adhesive along the top of the display.
- Replace the spudger with a guitar pic to hold its place.

⚠ Be careful how you insert the spudger, though, since there is a cable that connects the display to the logic board between the ear speaker and rear camera hole.

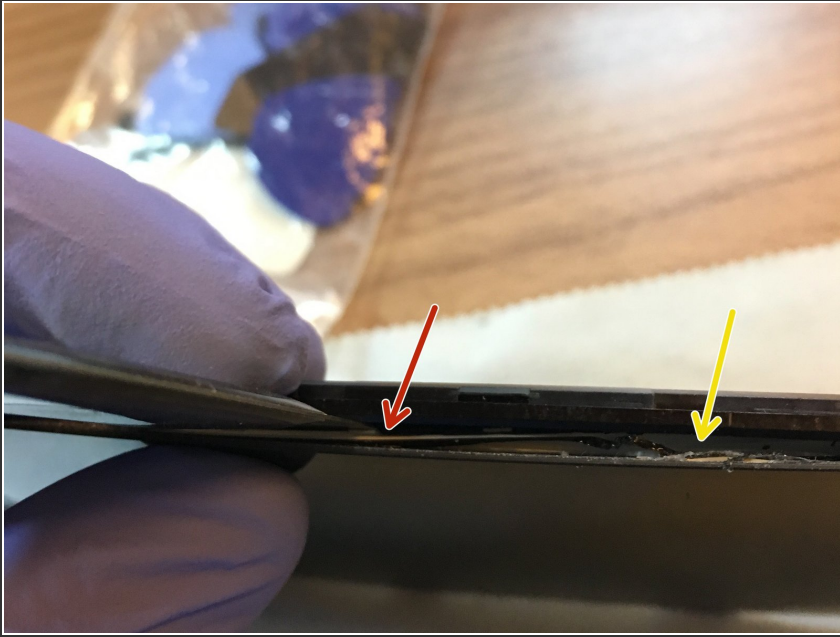
Step 12 — Continue Removing Glass Display



- Using the spudger (or iSesamo) in a saw-like motion, work your way down the right side of the display. Make sure you put the tool under the LCD and not in it.

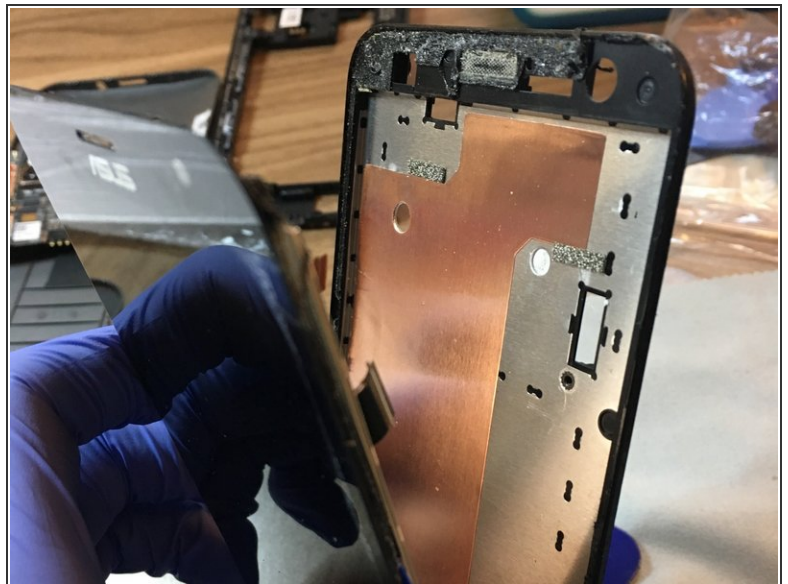
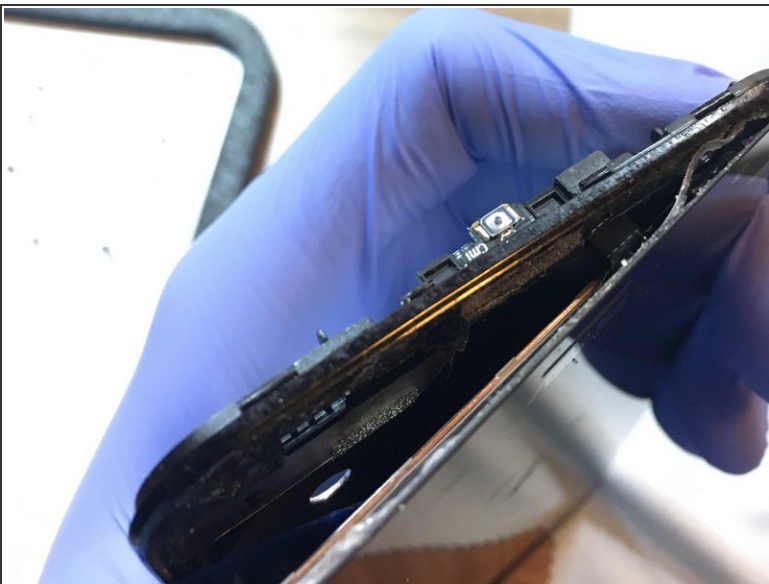
ⓘ In the picture shown, I originally put the iSesamo in the LCD which caused the damage to the right. The guitar pics are under the LCD after I corrected my movement.

Step 13 — Continue Removing Glass Display



- Make sure the tool you're using is under the LCD and not above it. The tool pictured it under it.
- The yellow arrow shows where the tool would be if it was above the LCD.

Step 14 — Continue Removing Glass Display



- Begin to separate the glass display with LCD from the plastic frame.
 - There is a lot of adhesive on the top, but there is not much on the sides and on the bottom.
- ⚠ Make sure you slide the top flex cable through the hole before you separate the display (not pictured).

Step 15 — Remove Glass Display



- Completely separate the glass display with LCD from the plastic frame.
- ★ When installing the new display, prebend the flex cables and make sure they fit where they are supposed to. This will remind you of the iPhone 4/4s screen repair if you have ever done it.

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