



Orbic Wonder Screen Replacement

This guide provides instruction to remove and replace a broken screen on your Orbic Wonder.

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INTRODUCTION

This guide covers the steps to remove and replace the broken screen on your Orbic wonder. Some steps are repeated, as this is a guide made up of other guides.



TOOLS:

- [Phillips #000 Screwdriver](#) (1)
 - [TR9 Torx Security Screwdriver](#) (1)
 - [Jimmy](#) (1)
 - [Anti-Static Wrist Strap](#) (1)
 - [Tweezers - Pro/ESD/Angled](#) (1)
 - [iOpener](#) (1)
 - [iFixit Opening Picks set of 6](#) (1)
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Step 1 — Battery



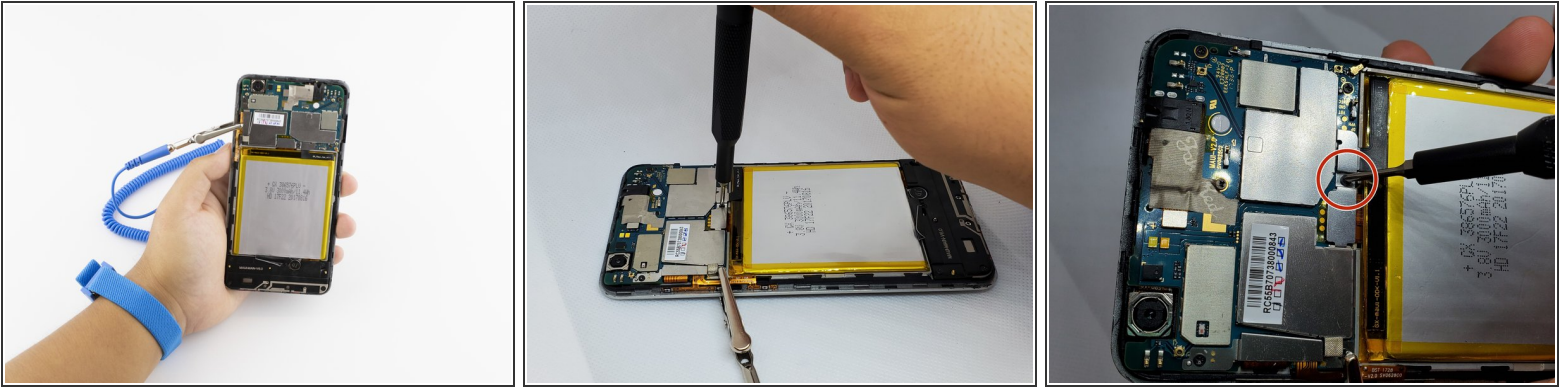
- Remove two 2mm TR9 Torx screws from the bottoms of the device.


Step 2



- There is a border between the black phone backing and the silver screen.
 - Place the Jimmy in this border, and cautiously torque it back and forth to part the two halves.
 - When the halves are parted correctly, the gap should look like this.
- ⚠ Be careful to avoid damaging any connecting circuitry between the two halves.

Step 3



 Before continuing, tighten the anti-static wrist strap around your wrist and connect the alligator clips to a metal portion of the phone.

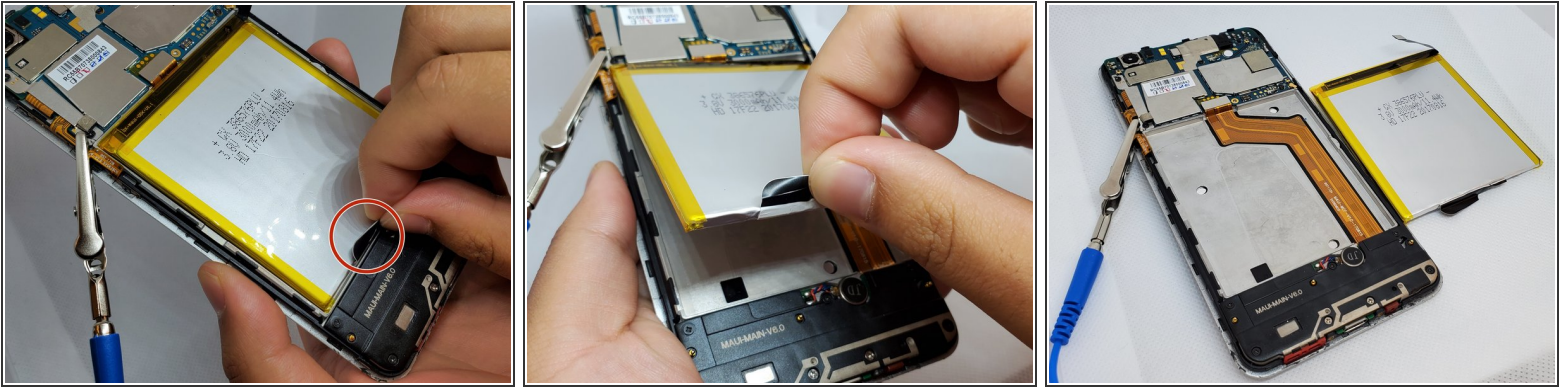
- On the upper right side, there is a black ribbon cable in the shape of an “L”. Remove the single 1 mm Phillips #000 screw on the left side of the ribbon cable.

Step 4



- Use a pair of angled tweezers to carefully remove the metal casing of the ribbon cable.
- Use a pair of angled tweezers to detach the black ribbon cable. This is done to unplug the battery.

Step 5



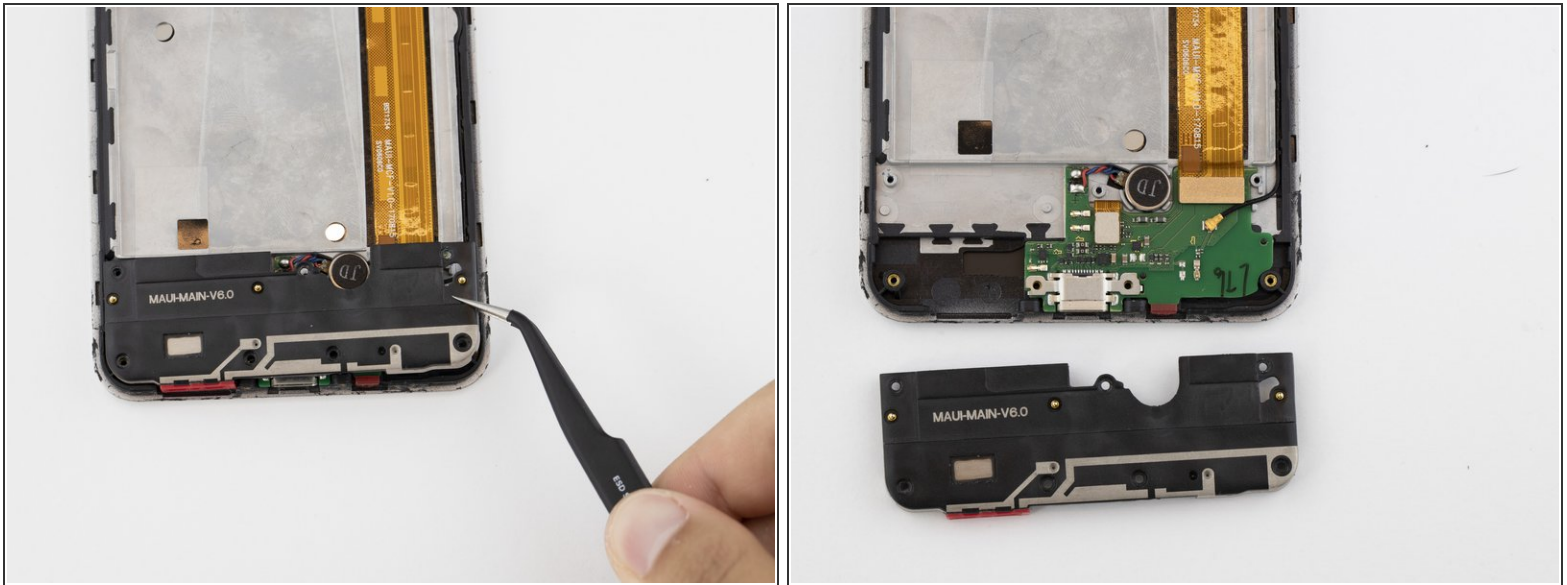
- There is a black flap on the bottom of the battery.
- Using your fingers, pinch this flap and carefully pull the battery up and out of the phone.

Step 6 — Speaker



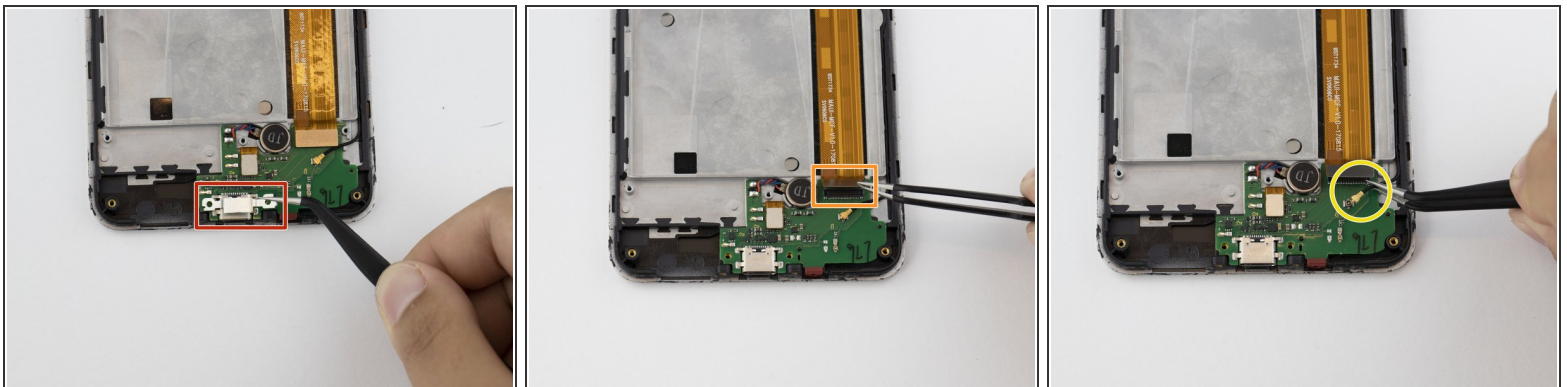
- Remove the anti-static wrist strap.
- Use the Phillips #000 screwdriver to remove the five black 2 mm screws.
- Use the Phillips #000 screwdriver to remove the two grey 2 mm screws.

Step 7



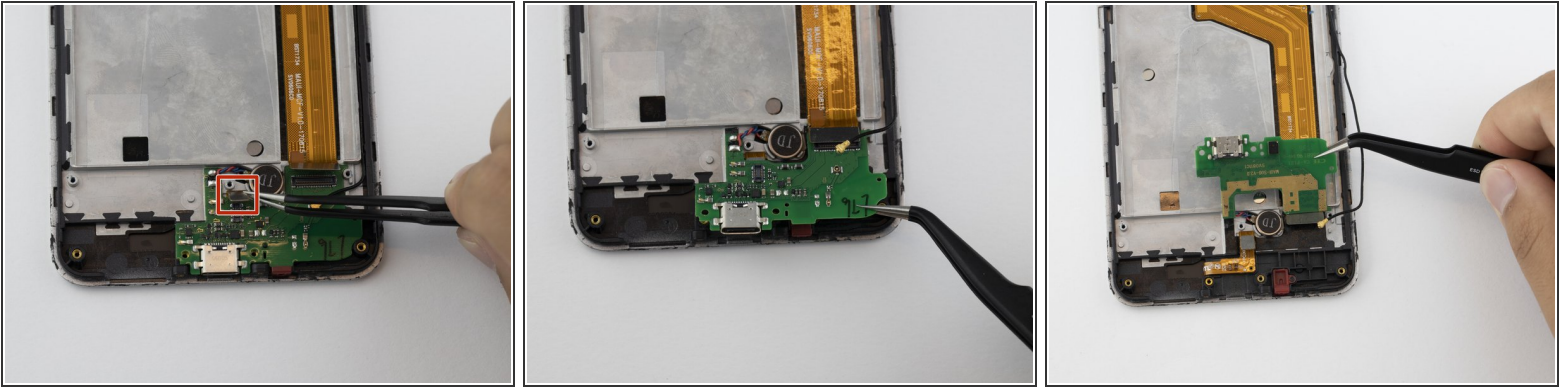
- Use a pair of angled tweezers to remove the speaker housing.

Step 8 — Charging Port Circuit Board



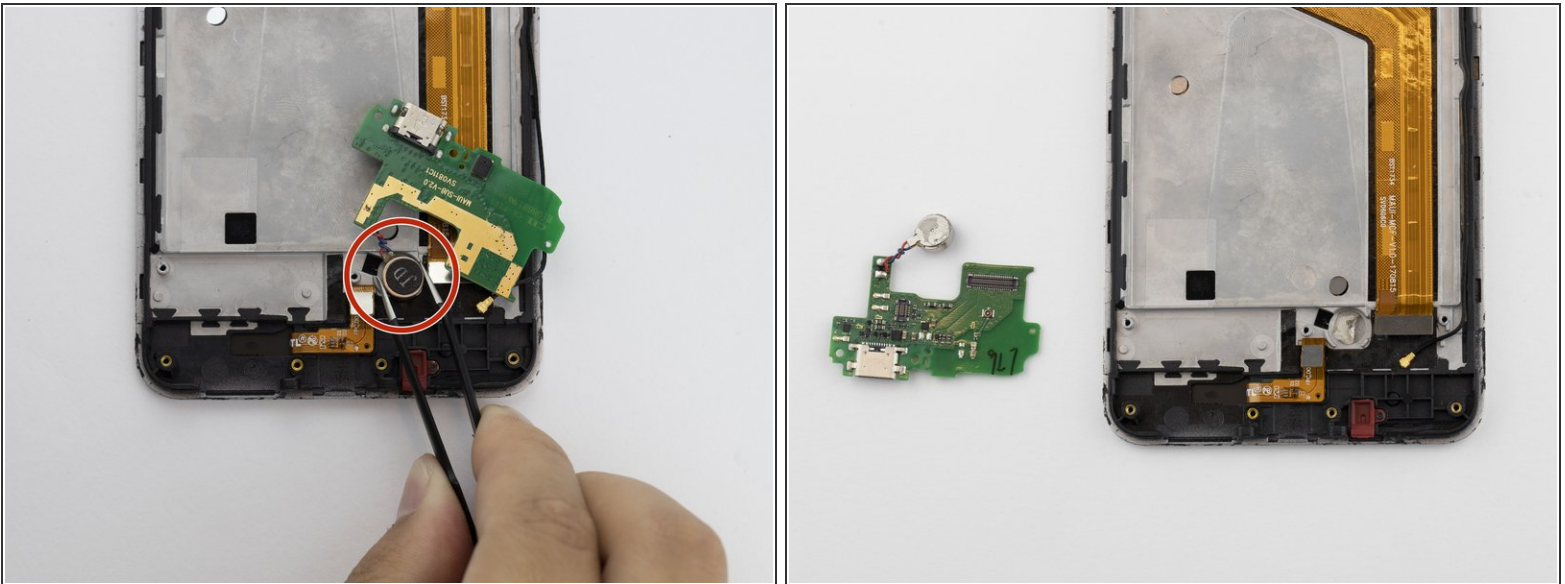
- Detach the metal casing at the bottom of the phone.
- Unplug the cable connector.
- Use a pair of angled tweezers to unplug the black wire.

Step 9



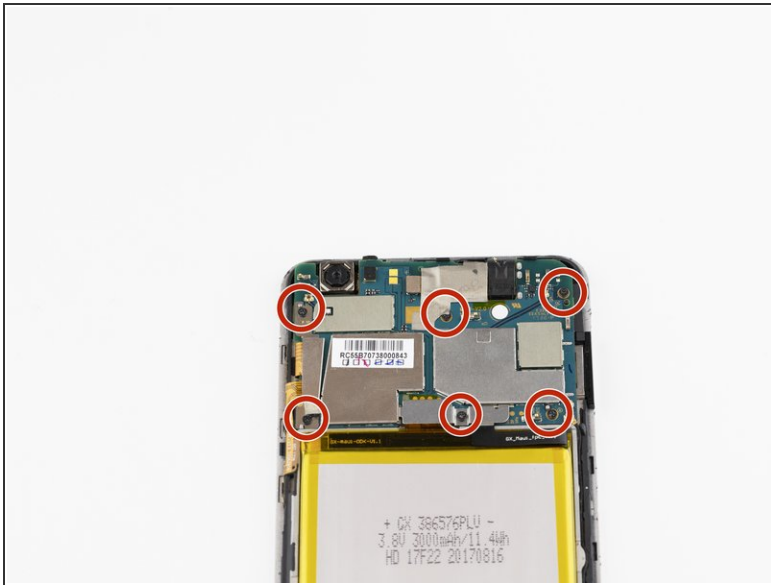
- Using a pair of angled tweezers, disconnect the connector chip.
- With the angled tweezers, gently lift (but do not remove) the green circuit board from the phone.

Step 10



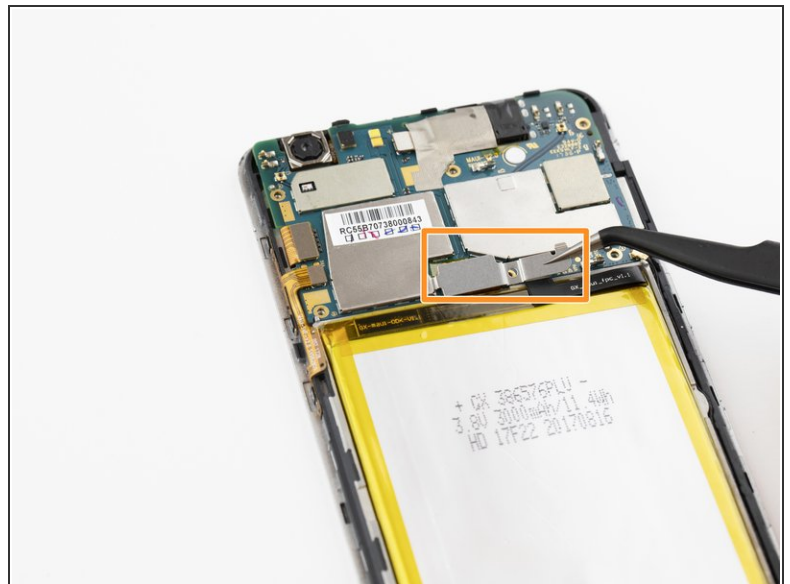
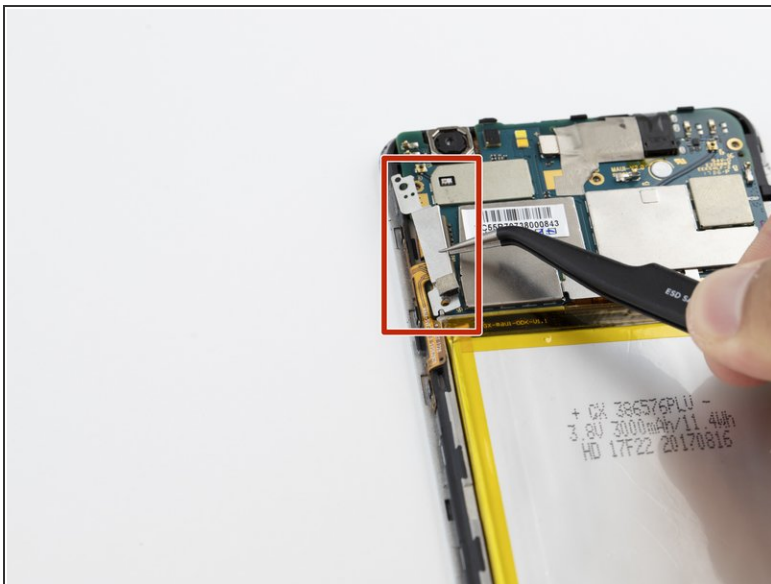
- Using a pair of angled tweezers, disconnect the attachment to the microphone labeled "JD," and completely remove the circuit board.

Step 11 — Screen



- Remove the six 2mm Phillips #000 screws from the motherboard.

Step 12



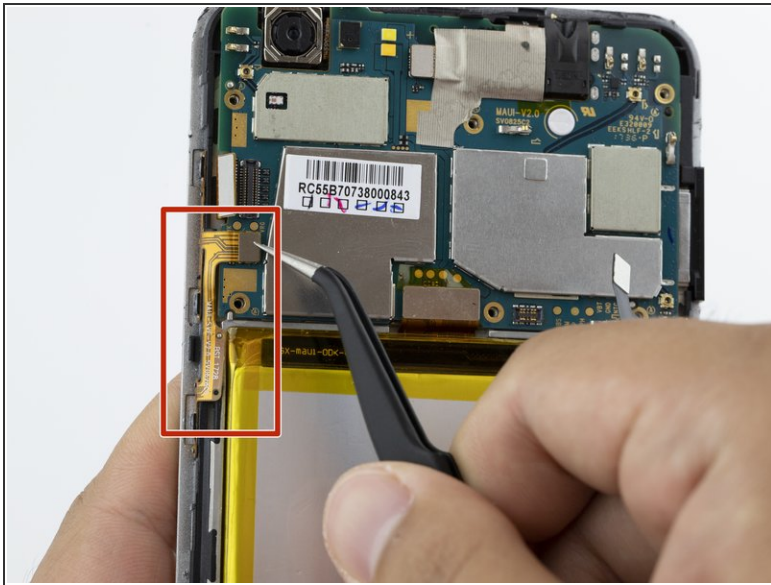
- Use a pair of tweezers to remove the leftmost metal protector.
- Repeat this process for the other metal protector directly above the battery.

Step 13



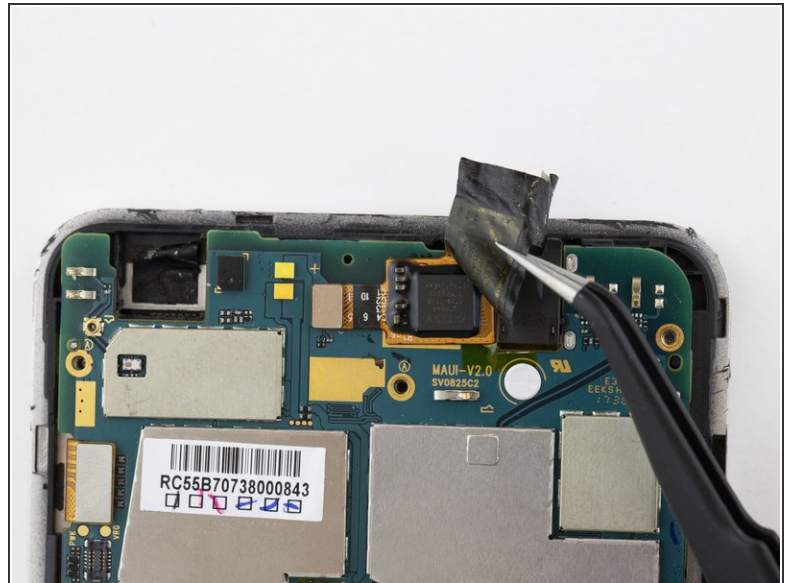
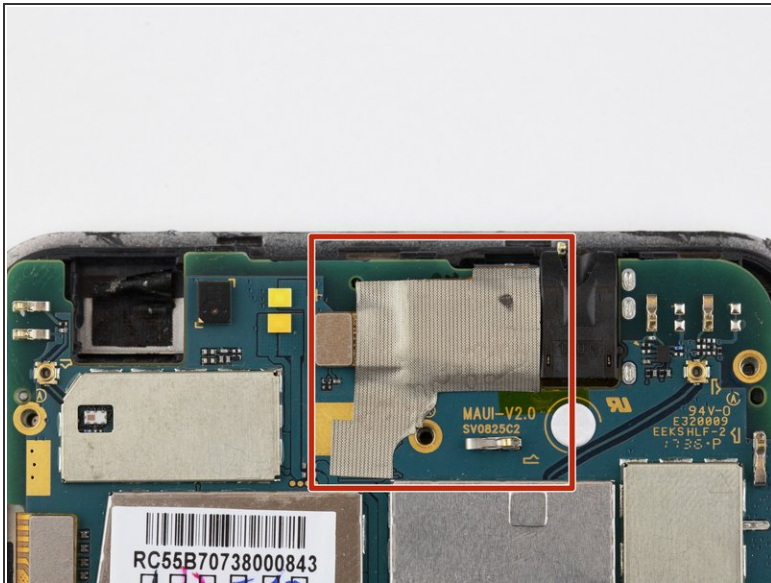
- Disconnect the "L" shaped plug connecting the battery to the circuit board.
 - Carefully disconnect the small gold connecting wire.
 - Disconnect the rectangular piece.
- i** Each of these steps are very delicate. Use a pair of tweezers to avoid causing damage.

Step 14



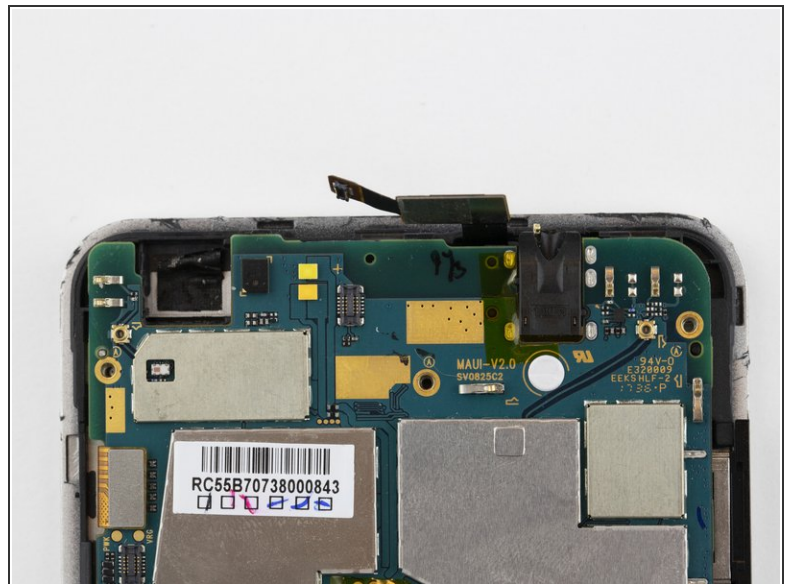
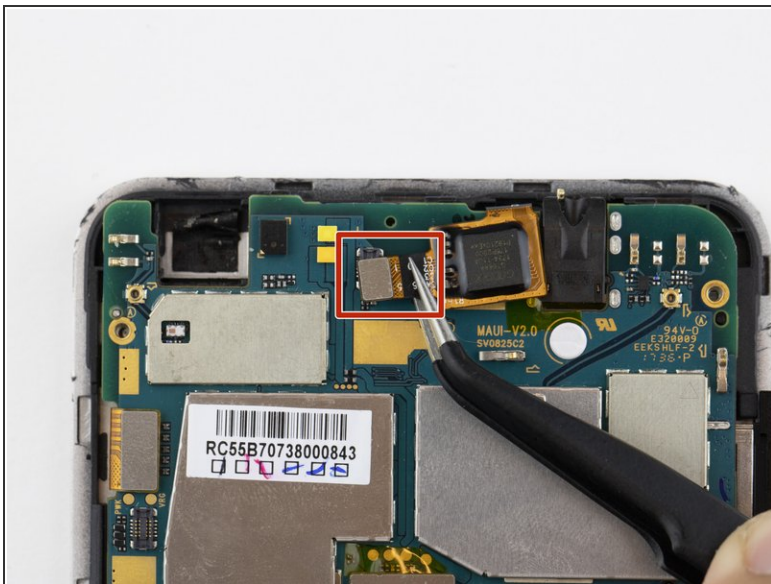
- Unplug the power button connector.
 - Unplug the circuit connector above the battery.
- i** These are very delicate and important connections. Be sure to use a pair of tweezers to avoid causing damage.

Step 15



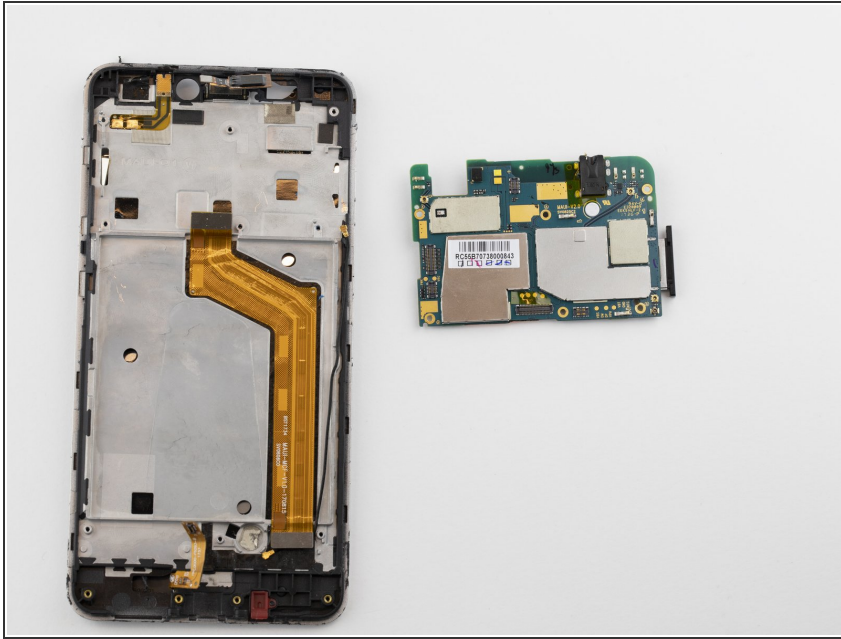
- Carefully remove the protective sticker. This will expose the camera and its connector.

Step 16



- Disconnect the camera connector.


Step 17



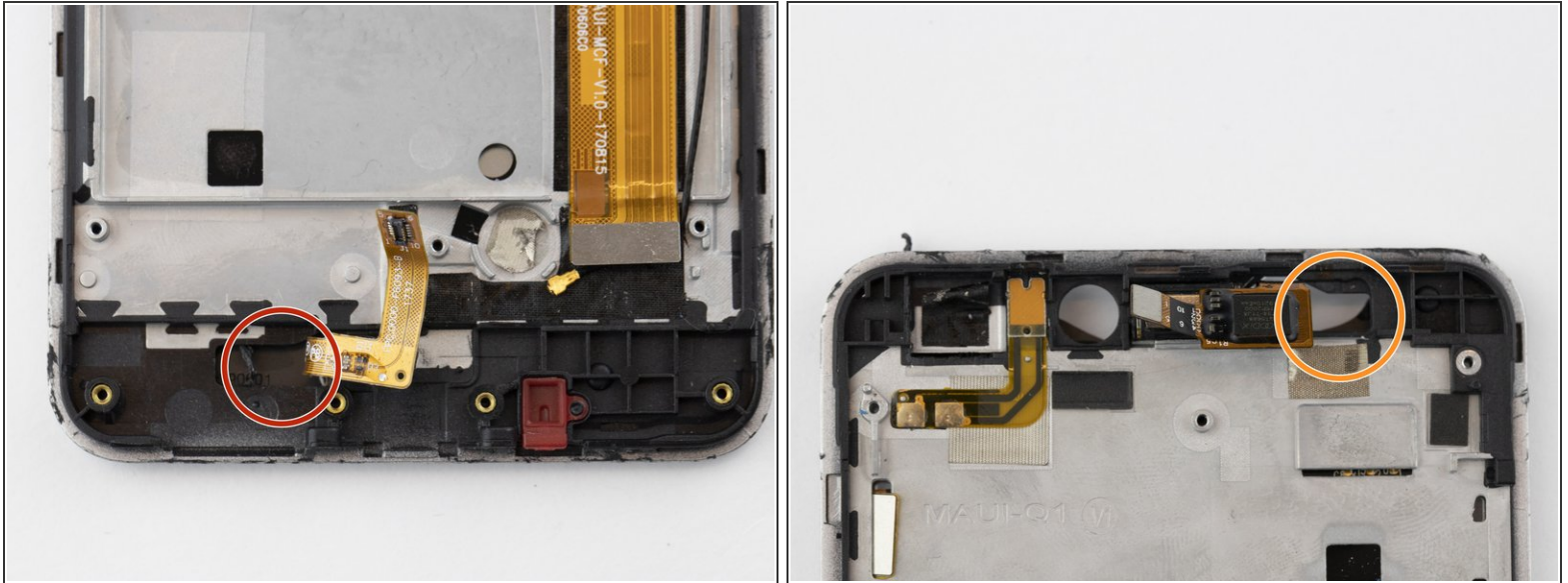
- The circuit board should now be loose. Disconnect it, and remove it from the phone housing.

Step 18



- Using the iOpener, heat the screen's edges to loosen the adhesive holding the screen in place.
 This will make the phone very warm. Gloves may be necessary depending on the level of heat required.
- Using the Jimmy and opening picks, gently pry the screen from the phone housing.

Step 19



- Push the gold lower screen connector wire through the hole.
- Do the same to the gold upper screen connector wire.

Step 20



- Using your hands, separate the screen from the rest of the phone, ensuring that the connector wires go through the openings without ripping.
- ❗ The screen is completely detached from the rest of the phone.

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