



Orbic Wonder Screen Replacement

This guide covers the steps to remove and...

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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:

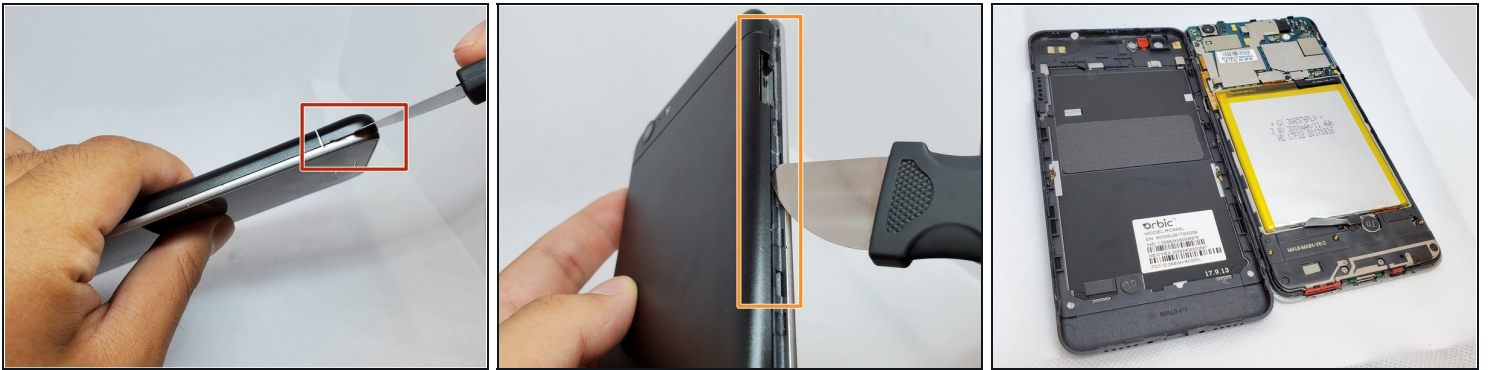
[Phillips #000 Screwdriver](#) (1)
[TR9 Torx Security Screwdriver](#) (1)
[Jimmy](#) (1)
[Anti-Static Wrist Strap](#) (1)
[Tweezers - Pro/ESD/Angled](#) (1)
[iOpener](#) (1)
[iFixit Opening Picks \(Set of 6\)](#) (1)

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.

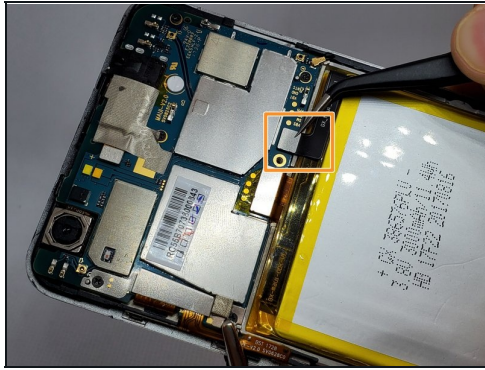
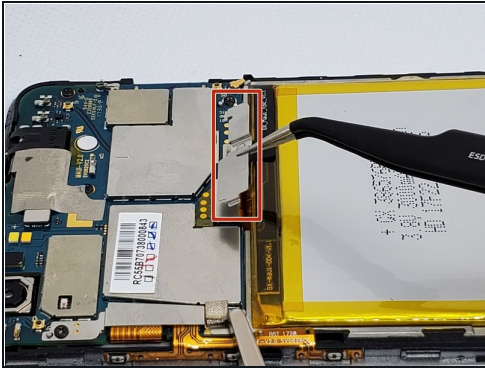
Step 3



⚠ Before continuing, tighten the [anti-static wrist strap](#) around your wrist and connect the alligator clips to a metal portion of the phone.

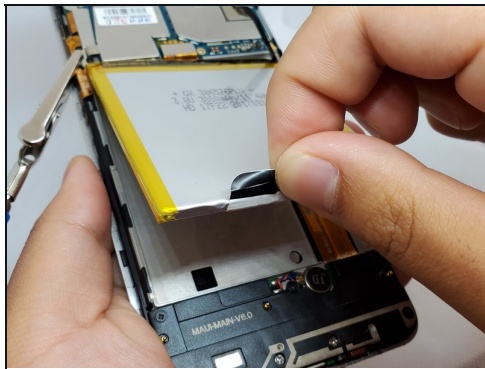
- On the upper right side, there is a black ribbon cable in the shape of an “L”. Remove the single 1 mm Phillips #000 screw on the left side of the ribbon cable.

Step 4



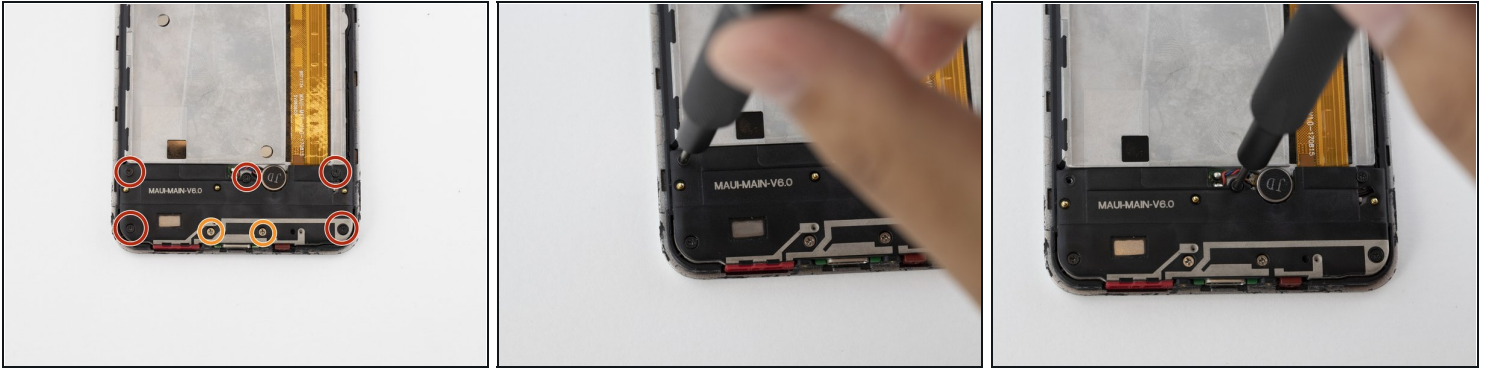
- Use a pair of angled tweezers to carefully remove the metal casing of the ribbon cable.
- Use a pair of angled tweezers to detach the black ribbon cable. This is done to unplug the battery.

Step 5



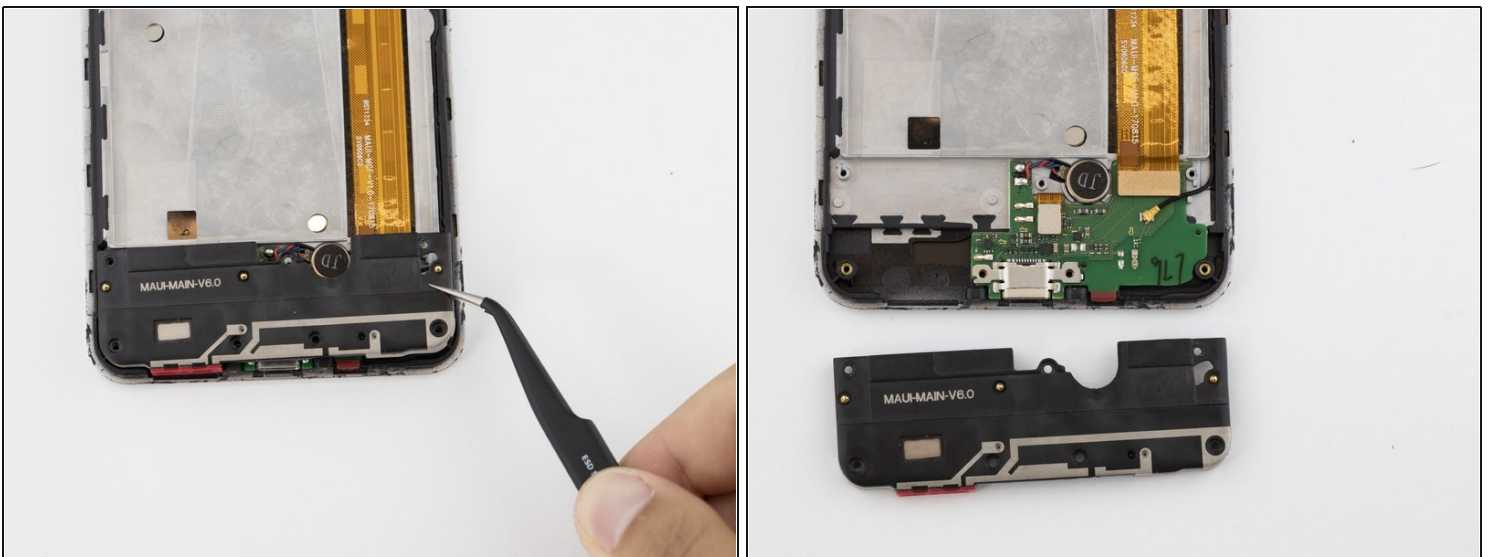
- There is a black flap on the bottom of the battery.
- Using your fingers, pinch this flap and carefully pull the battery up and out of the phone.

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



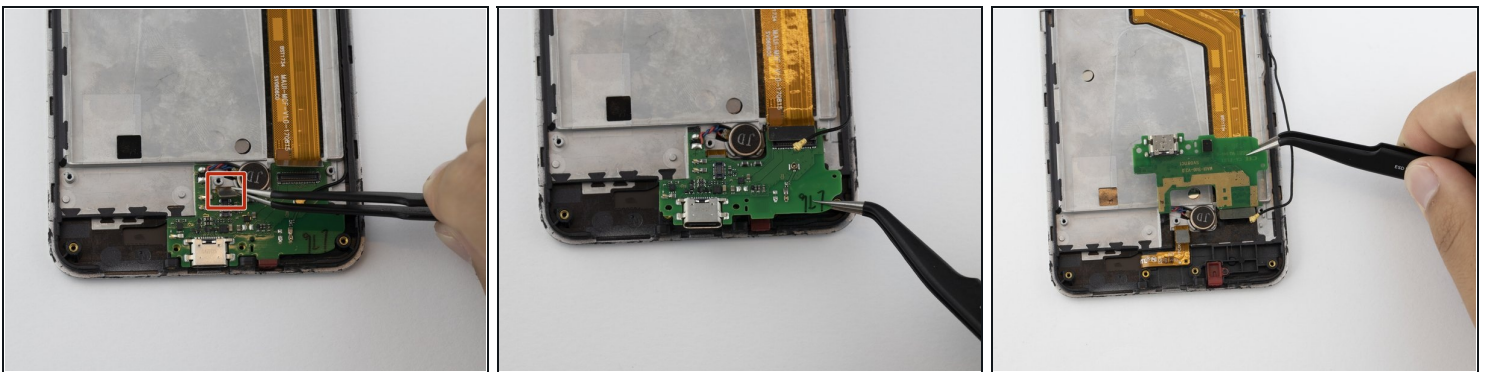
- Use a pair of angled tweezers to remove the speaker housing.

Step 8 — Charging Port Circuit Board



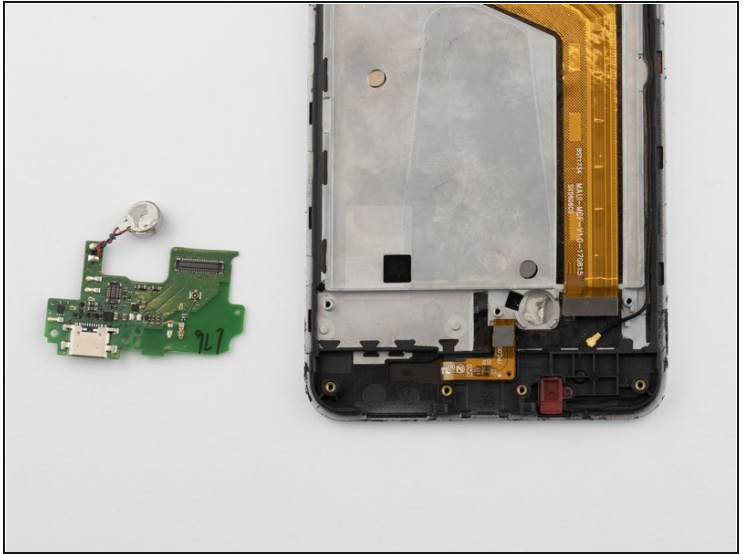
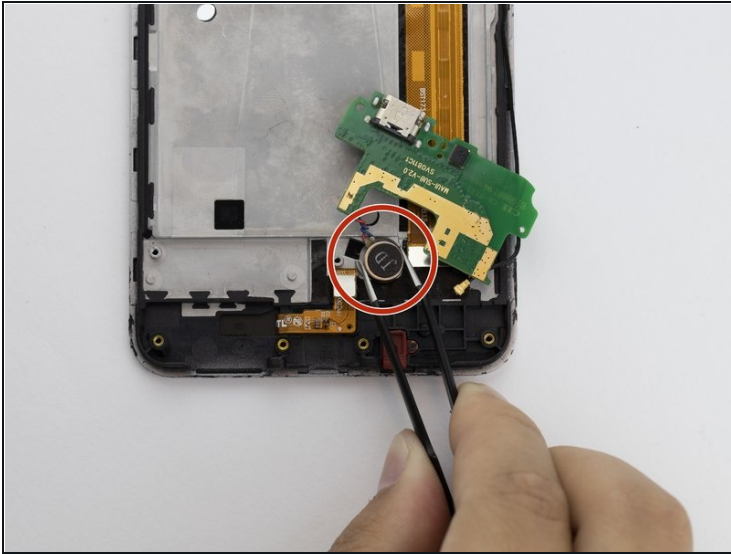
- Detach the metal casing at the bottom of the phone.
- Unplug the cable connector.
- Use a pair of angled tweezers to unplug the black wire.

Step 9



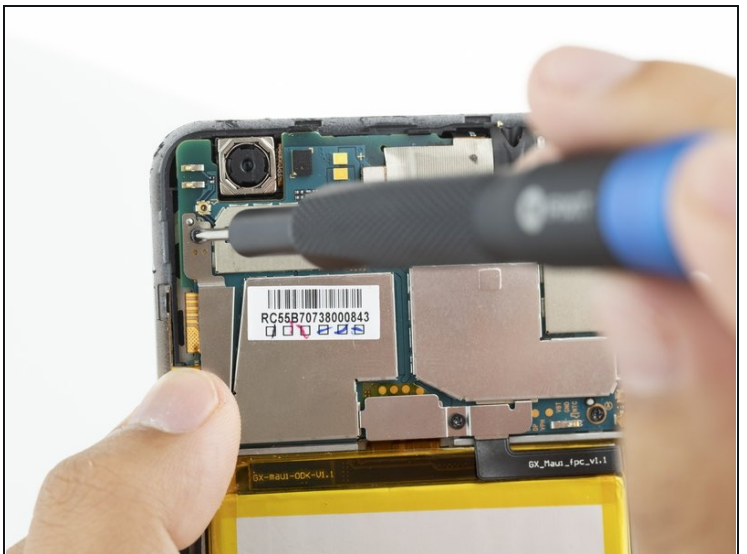
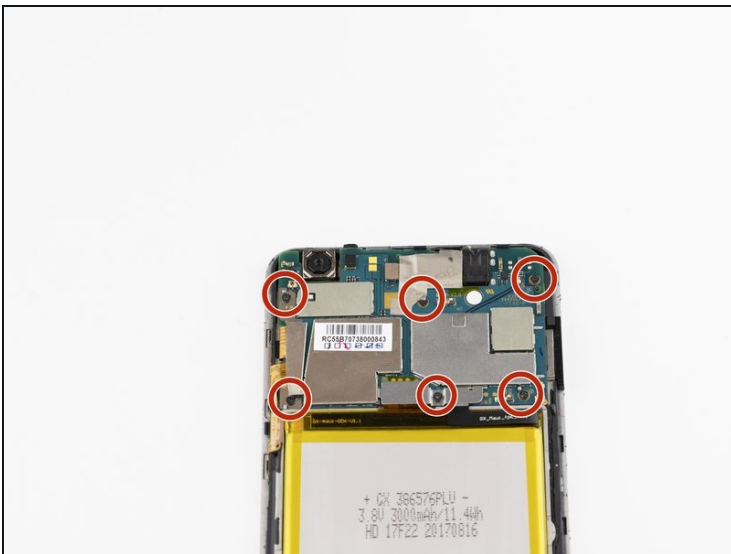
- Using a pair of angled tweezers, disconnect the connector chip.
- With the angled tweezers, gently lift (but do not remove) the green circuit board from the phone.

Step 10



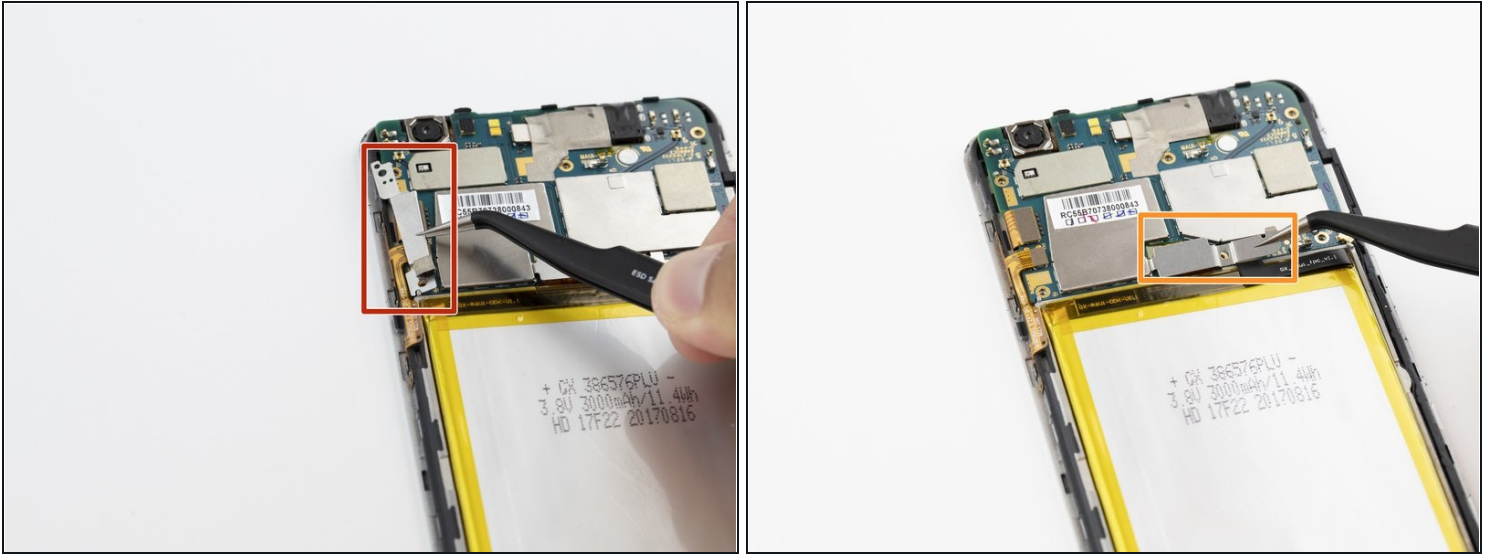
- Using a pair of angled tweezers, disconnect the attachment to the microphone labeled "JD," and completely remove the circuit board.

Step 11 — Screen



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

Step 12



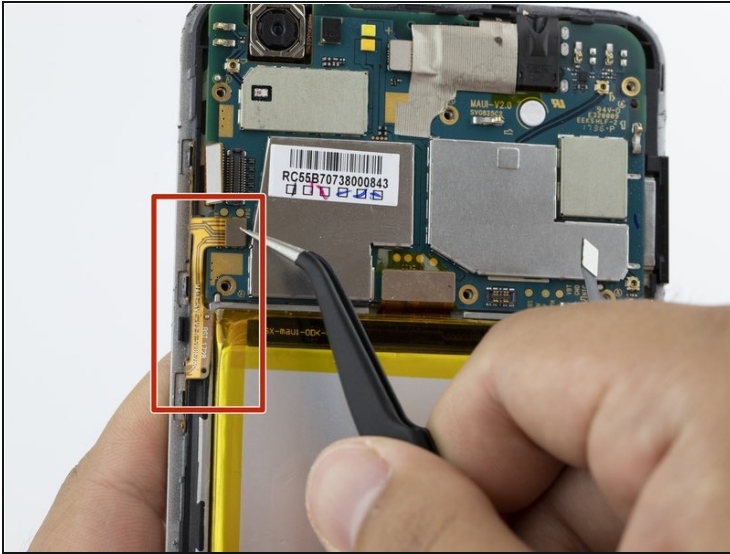
- Use a pair of tweezers to remove the leftmost metal protector.
- Repeat this process for the other metal protector directly above the battery.

Step 13



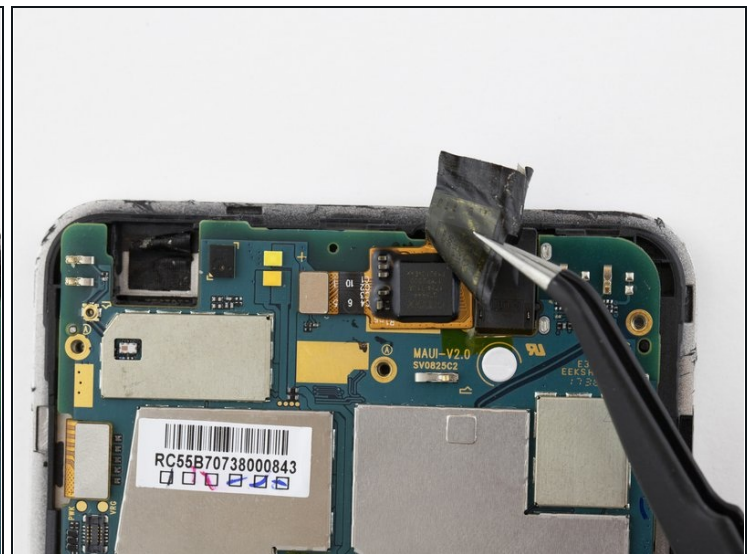
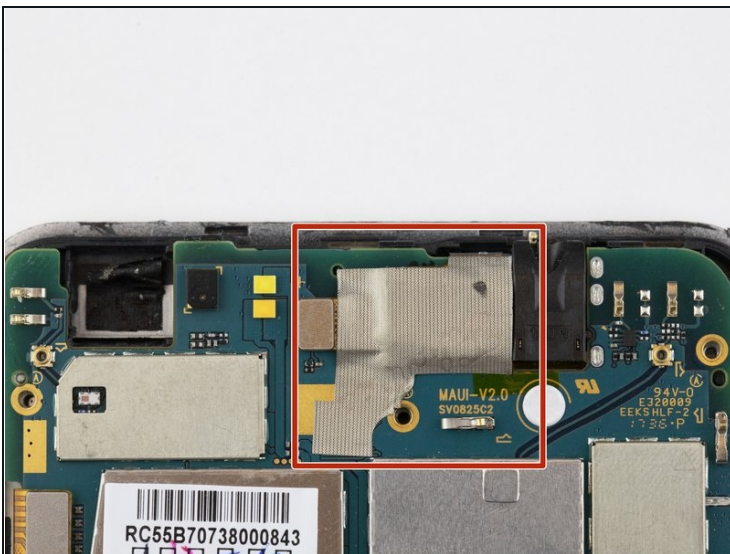
- Disconnect the "L" shaped plug connecting the battery to the circuit board.
 - Carefully disconnect the small gold connecting wire.
 - Disconnect the rectangular piece.
- ⓘ Each of these steps are very delicate. Use a pair of tweezers to avoid causing damage.

Step 14



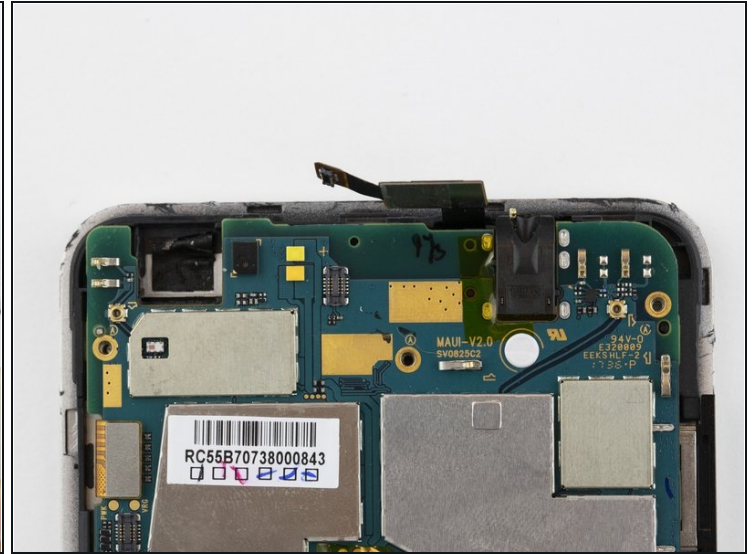
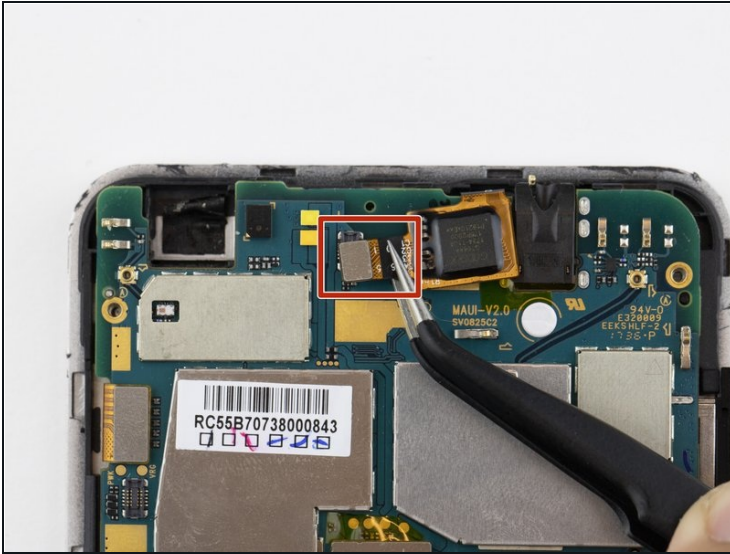
- Unplug the power button connector.
 - Unplug the circuit connector above the battery.
- ⓘ These are very delicate and important connections. Be sure to use a pair of tweezers to avoid causing damage.

Step 15



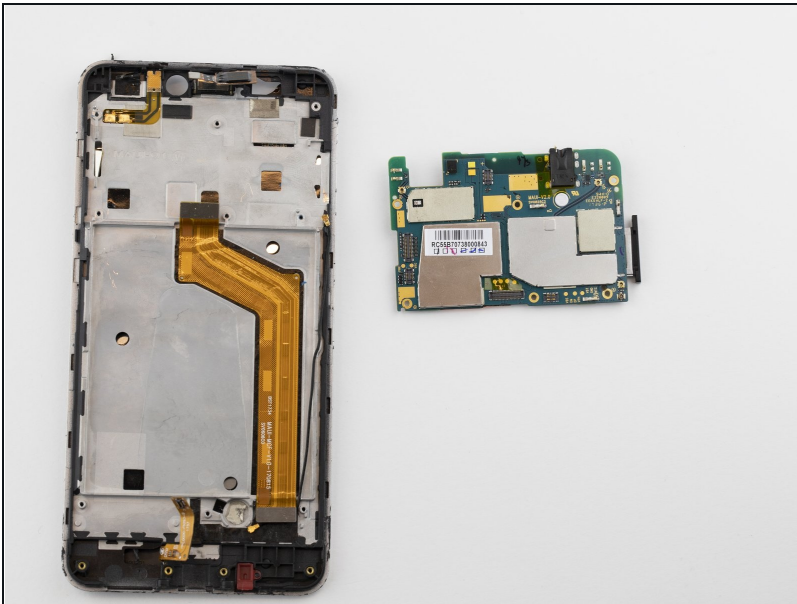
- Carefully remove the protective sticker. This will expose the camera and its connector.

Step 16



- Disconnect the camera connector.

Step 17



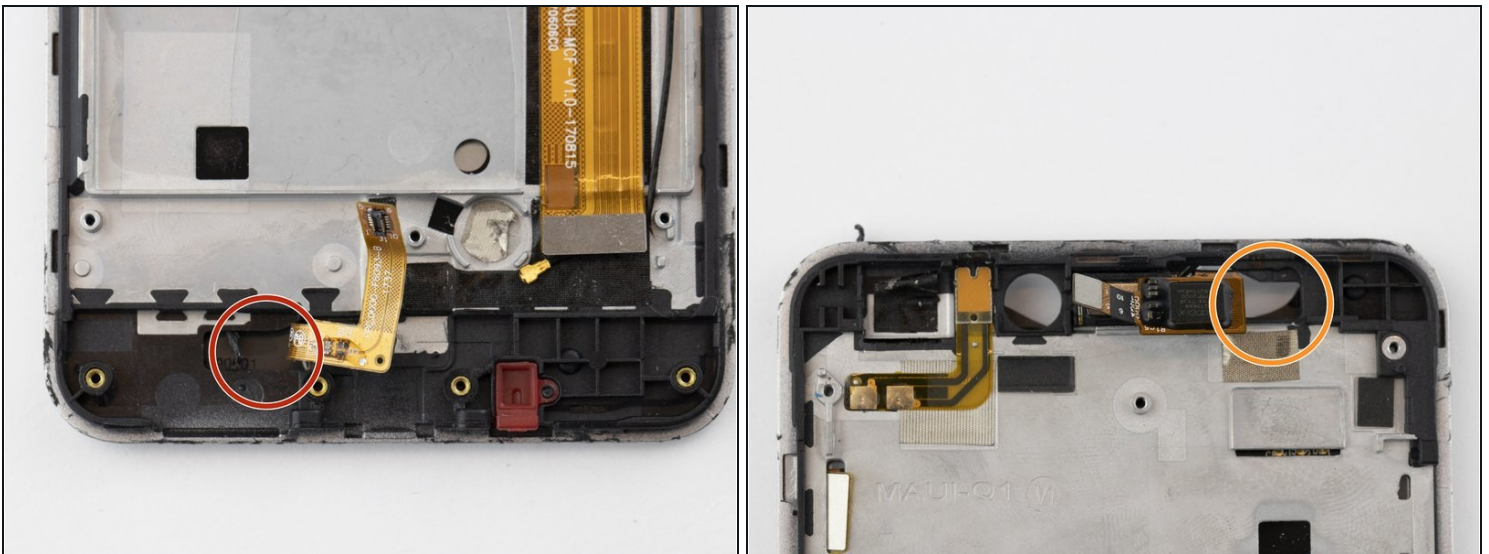
- The circuit board should now be loose. Disconnect it, and remove it from the phone housing.

Step 18



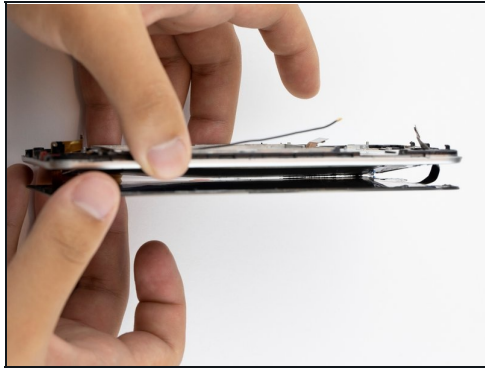
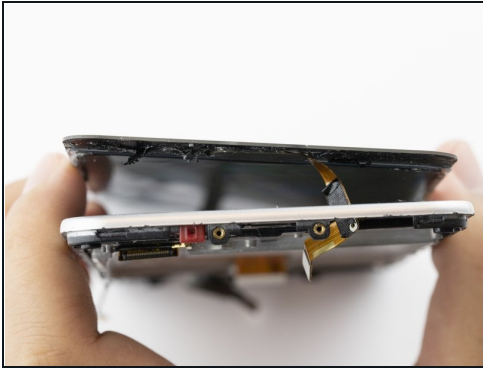
- Using the iOpener, heat the screen's edges to loosen the adhesive holding the screen in place.
⚠ This will make the phone very warm. Gloves may be necessary depending on the level of heat required.
- Using the Jimmy and opening picks, gently pry the screen from the phone housing.

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.
 - ① The screen is completely detached from the rest of the phone.
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To reassemble your device, follow these instructions in reverse order.