



# 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)

## Step 1 — Battery



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

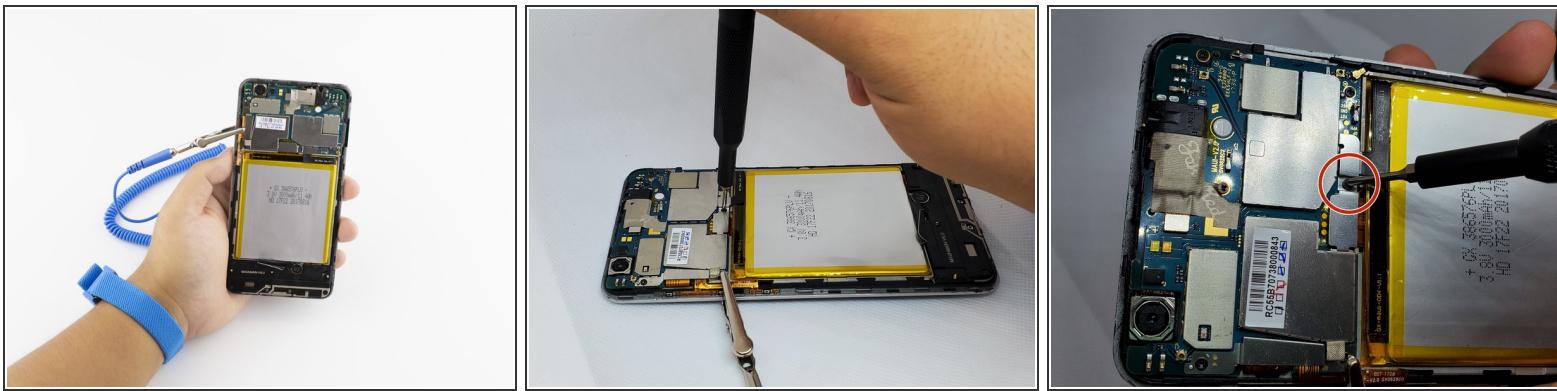
## Step 2



- 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.

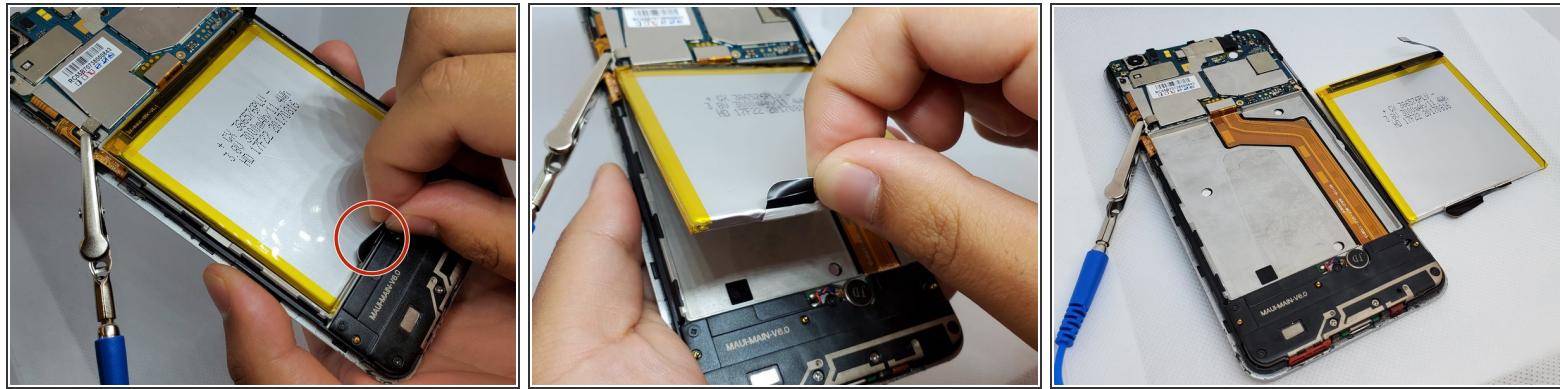
- On the upper right side, there is a black ribbon cable in the shape of an "L". Remove the single 1 mm Phillips #000 screw on the left side of the ribbon cable.

## 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



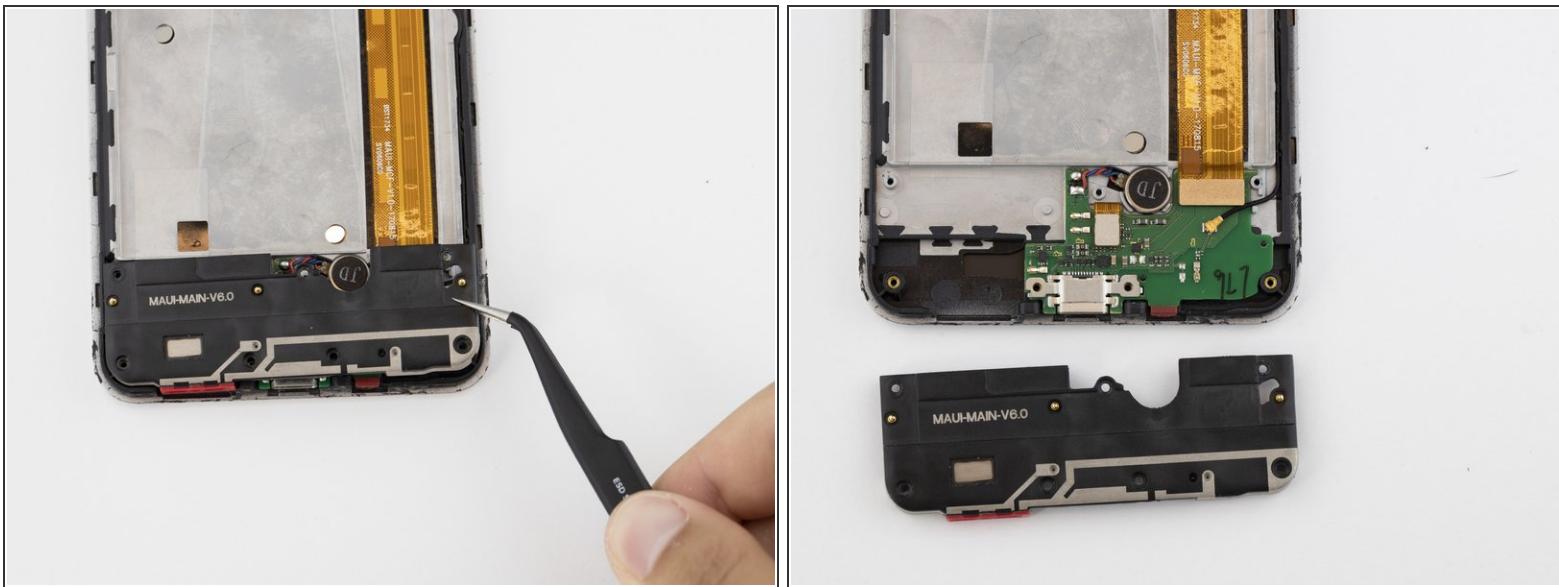
- There is a black flap on the bottom of the battery.
- Using your fingers, pinch this flap and carefully pull the battery up and out of the phone.

## Step 6 — Speaker



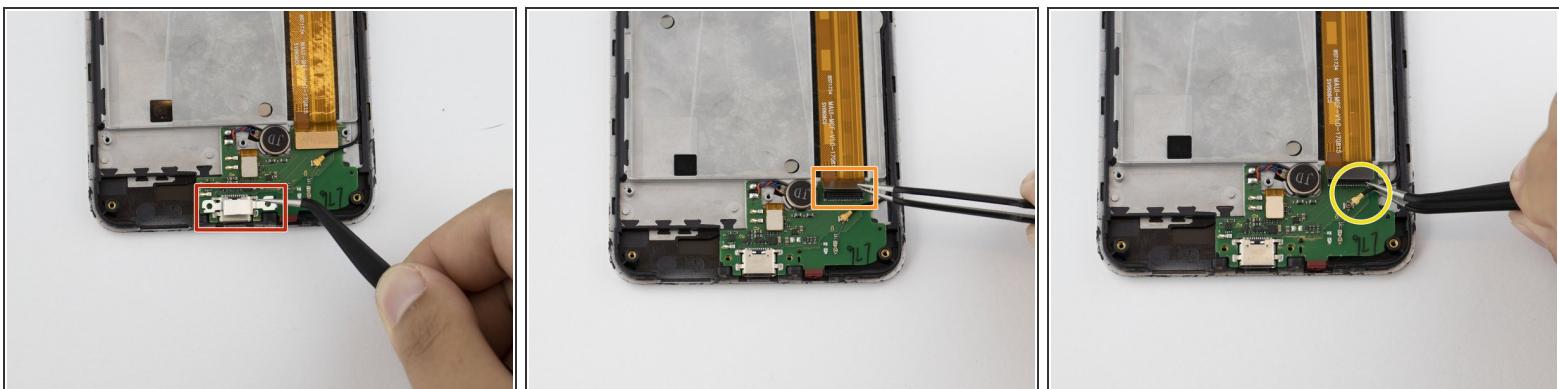
- Remove the anti-static wrist strap.
- Use the Phillips #000 screwdriver to remove the five black 2 mm screws.
- Use the Phillips #000 screwdriver to remove the two grey 2 mm screws.

## Step 7



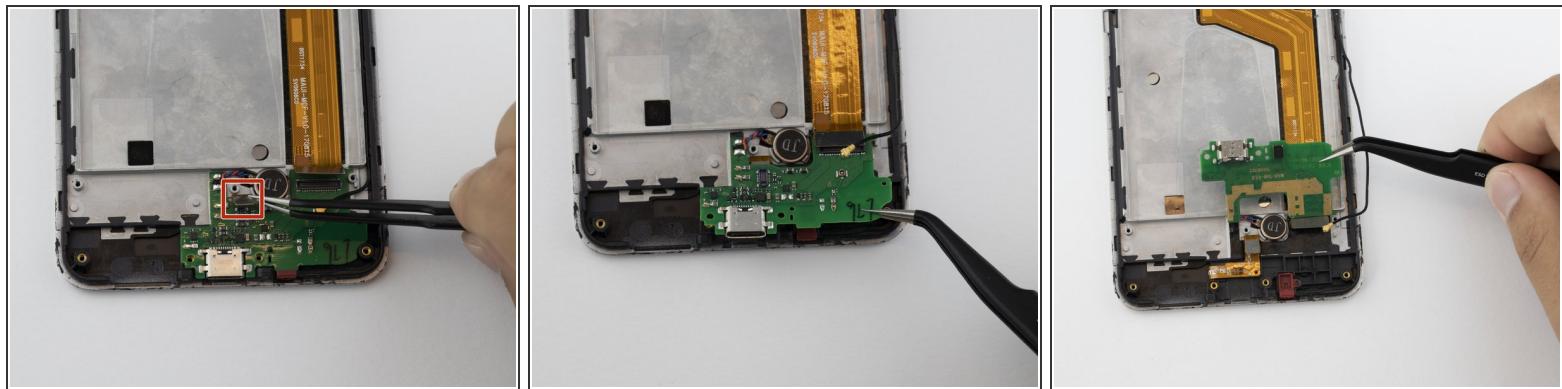
- Use a pair of angled tweezers to remove the speaker housing.

## Step 8 — Charging Port Circuit Board



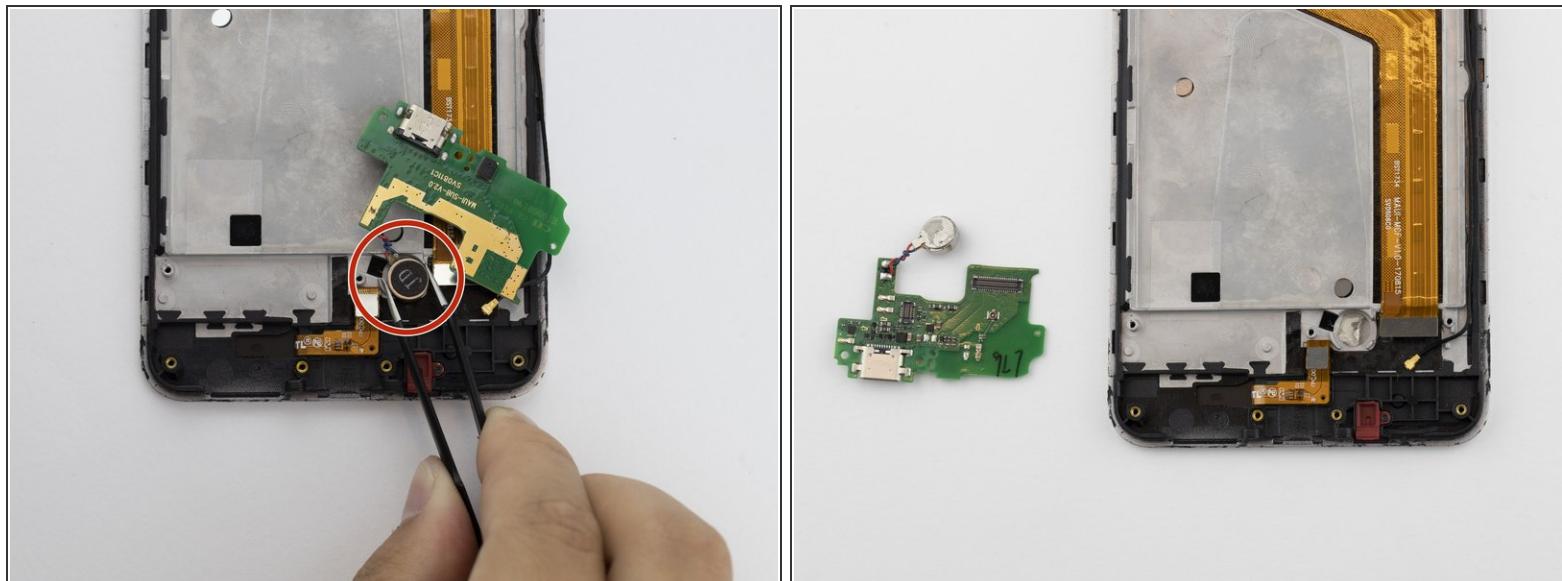
- Detach the metal casing at the bottom of the phone.
- Unplug the cable connector.
- Use a pair of angled tweezers to unplug the black wire.

## 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



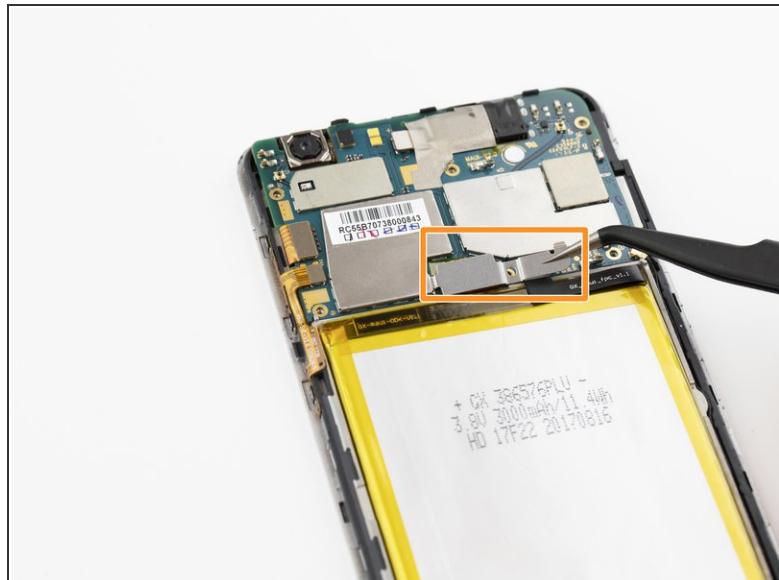
- Using a pair of angled tweezers, disconnect the attachment to the microphone labeled "JD," and completely remove the circuit board.

## 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.

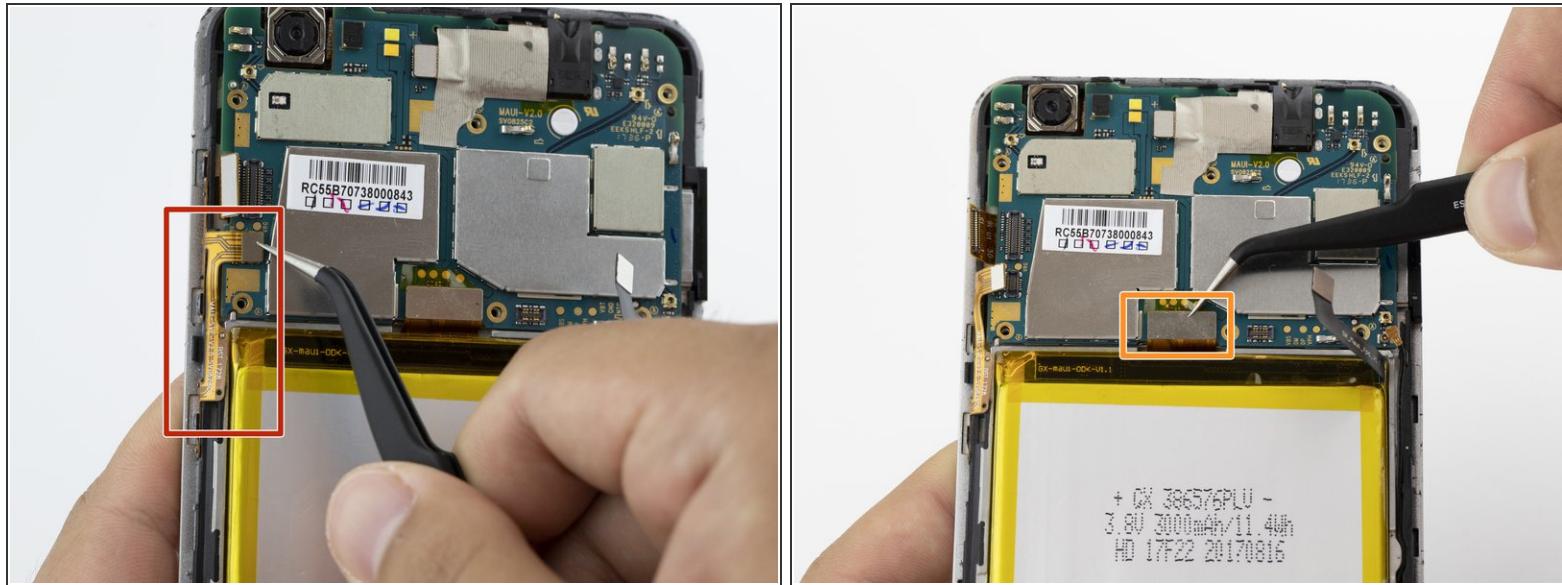
## Step 13



- 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.*

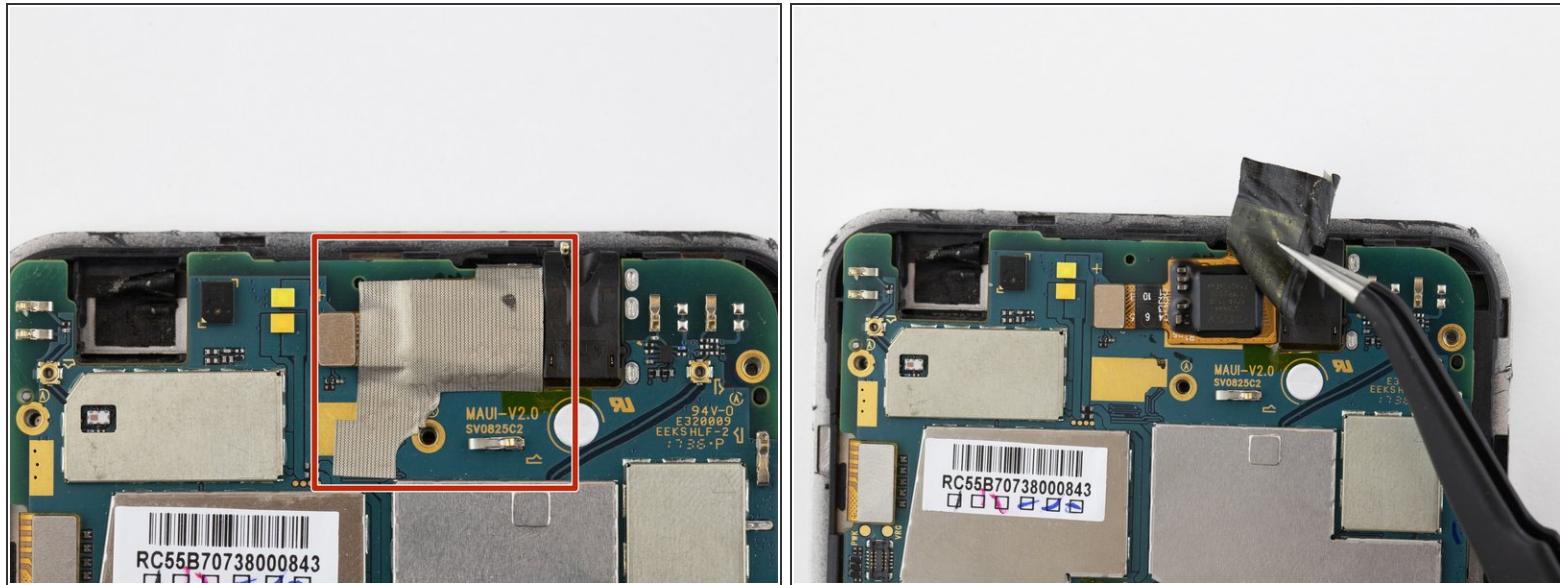
## Step 14



- Unplug the power button connector.
- Unplug the circuit connector above the battery.

*(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



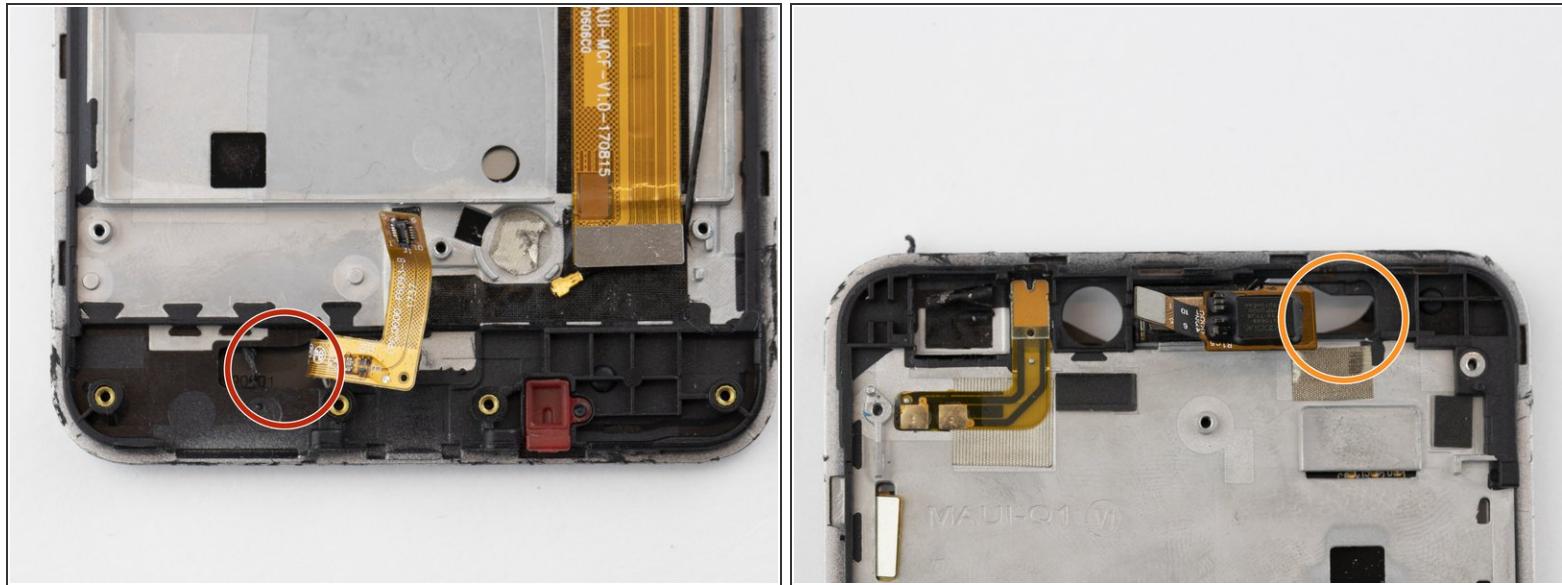
- The circuit board should now be loose. Disconnect it, and remove it from the phone housing.

## Step 18



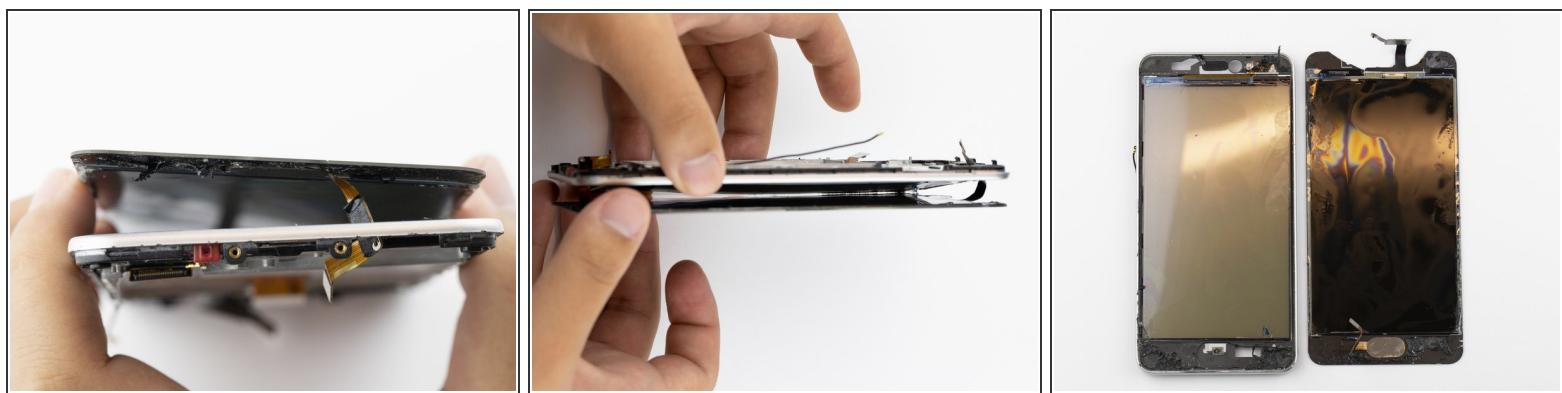
- Using the iOpener, heat the screen's edges to loosen the adhesive holding the screen in place.
- ⚠ This will make the phone very warm. Gloves may be necessary depending on the level of heat required.
- Using the Jimmy and opening picks, gently pry the screen from the phone housing.

## 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.

***(i)*** The screen is completely detached from the rest of the phone.

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