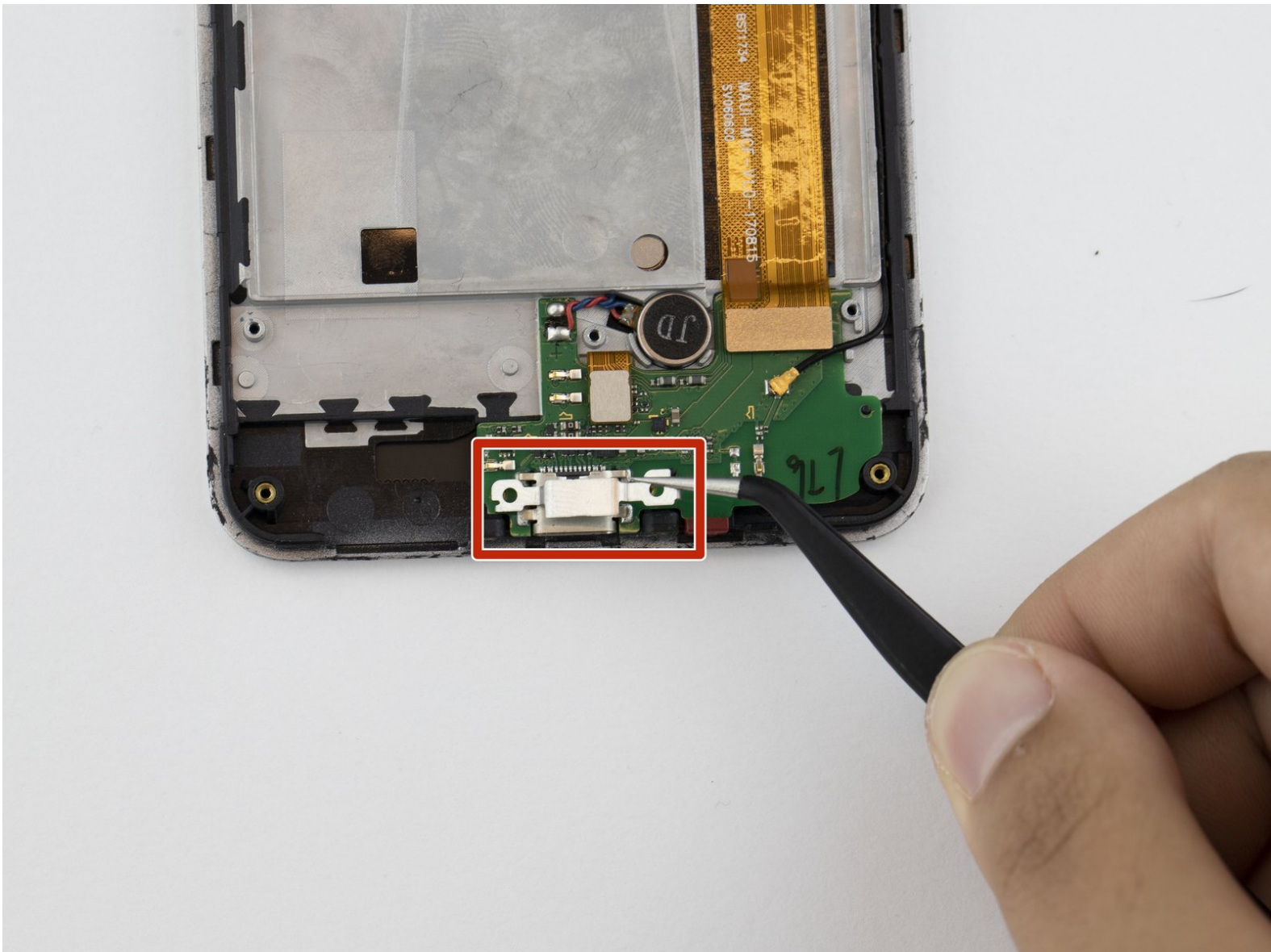




Orbic Wonder Charging Port Circuit Board Replacement

This guide provides instruction to remove and replace the charging port circuit board in your Orbic Wonder.

Written By: Grant Adler

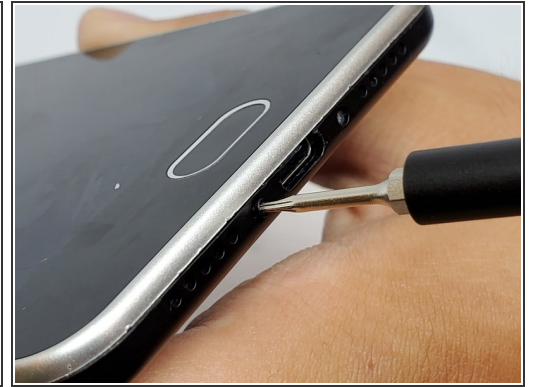
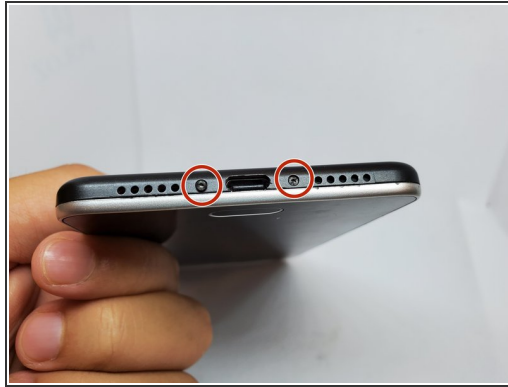




TOOLS:

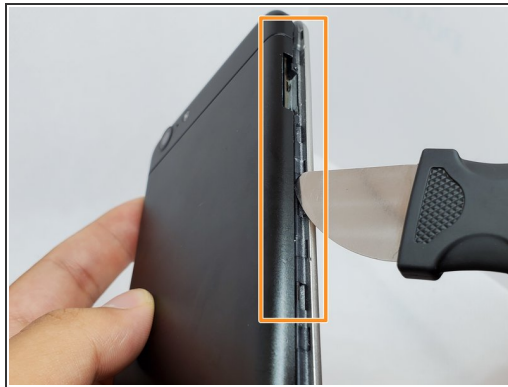
- [Phillips #000 Screwdriver](#) (1)
- [TR9 Torx Security Screwdriver](#) (1)
- [Jimmy](#) (1)
- [Anti-Static Wrist Strap](#) (1)
- [Tweezers - Pro/ESD/Angled](#) (1)

Step 1 — Battery



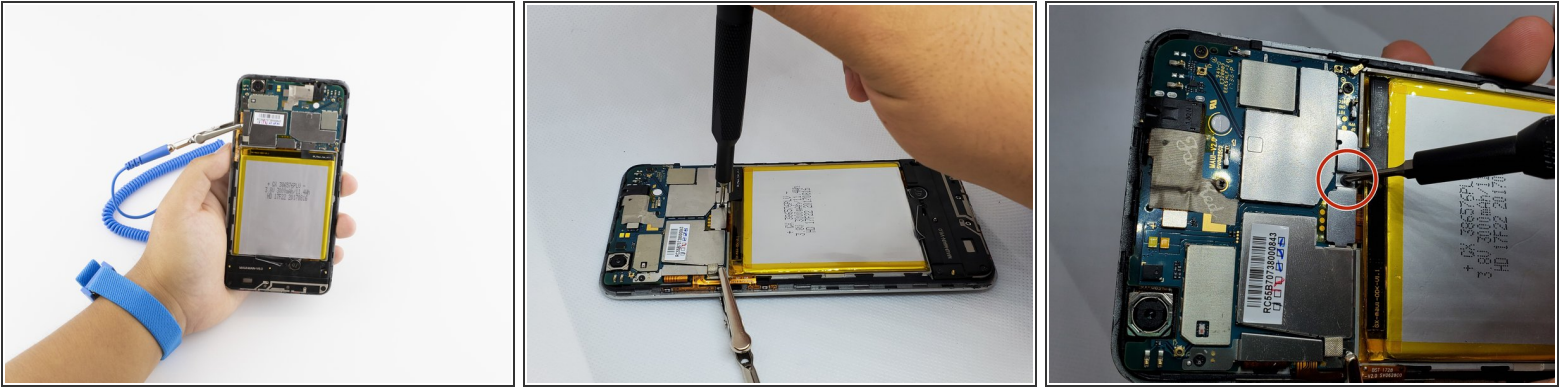
- Remove two 2mm TR9 Torx screws from the bottoms of the device.


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.

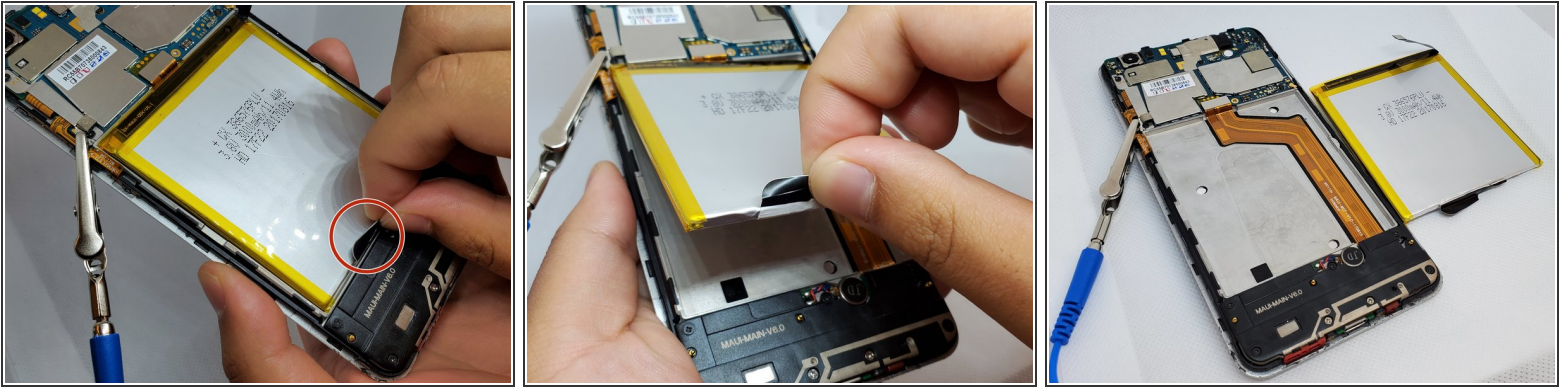
- On the upper right side, there is a black ribbon cable in the shape of an “L”. Remove the single 1 mm Phillips #000 screw on the left side of the ribbon cable.

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



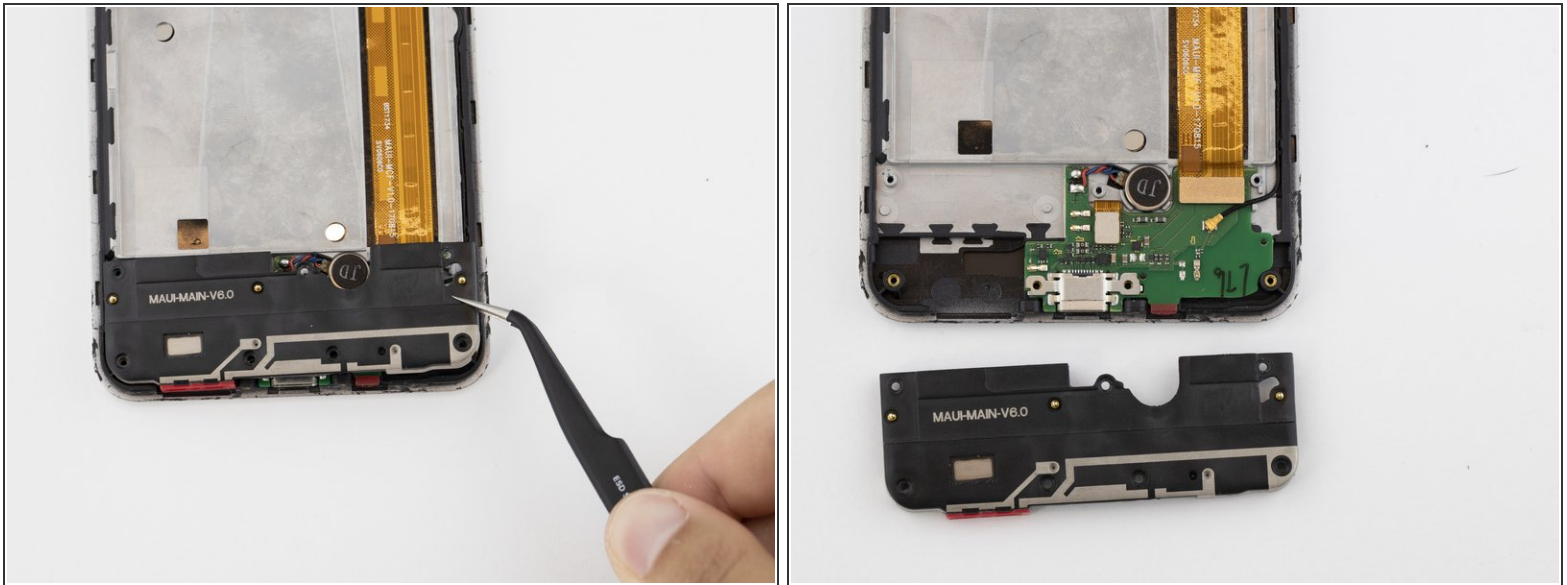
- There is a black flap on the bottom of the battery.
- Using your fingers, pinch this flap and carefully pull the battery up and out of the phone.

Step 6 — Speaker



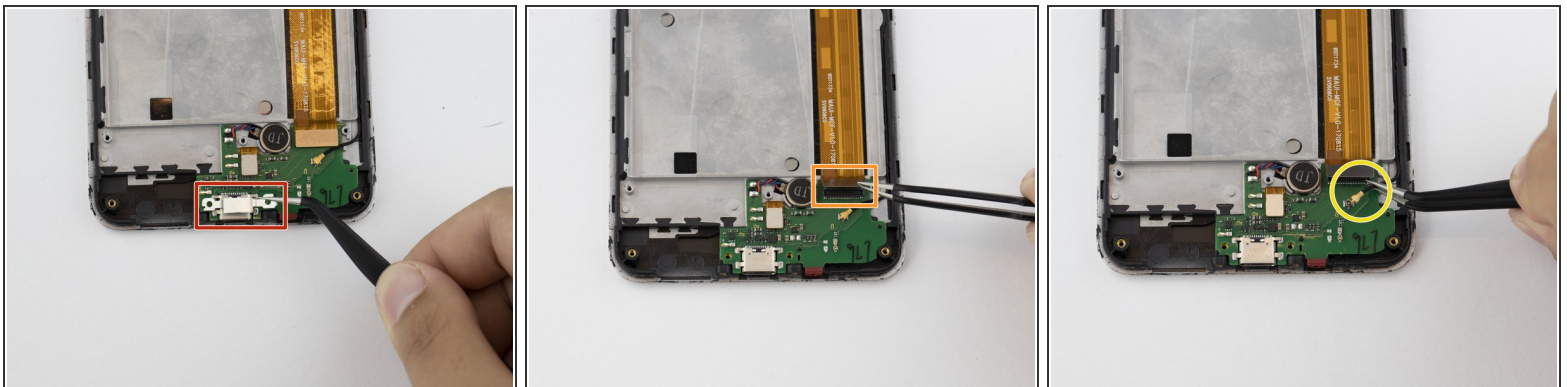
- Remove the anti-static wrist strap.
- Use the Phillips #000 screwdriver to remove the five black 2 mm screws.
- Use the Phillips #000 screwdriver to remove the two grey 2 mm screws.

Step 7



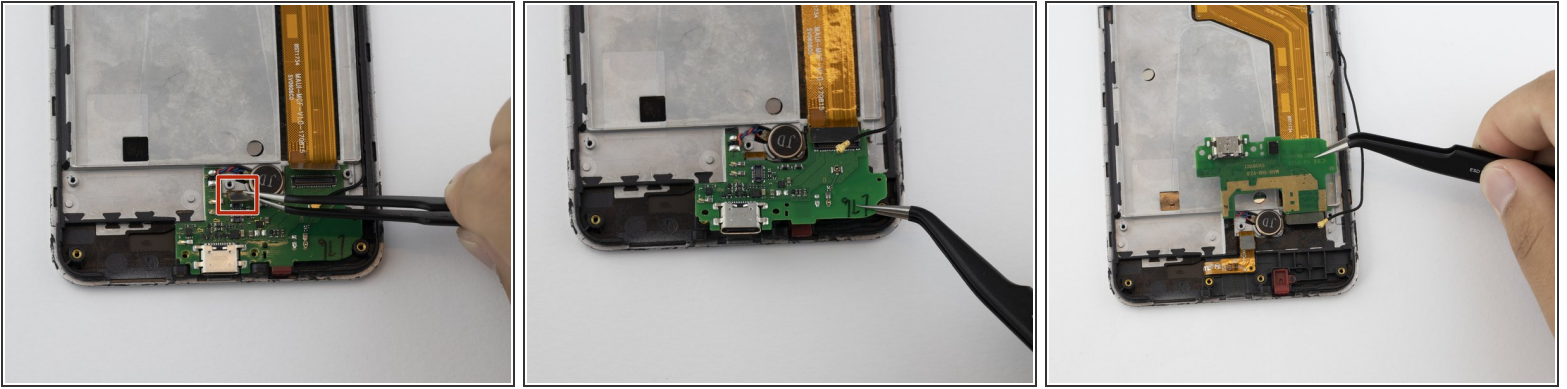
- Use a pair of angled tweezers to remove the speaker housing.

Step 8 — Charging Port Circuit Board



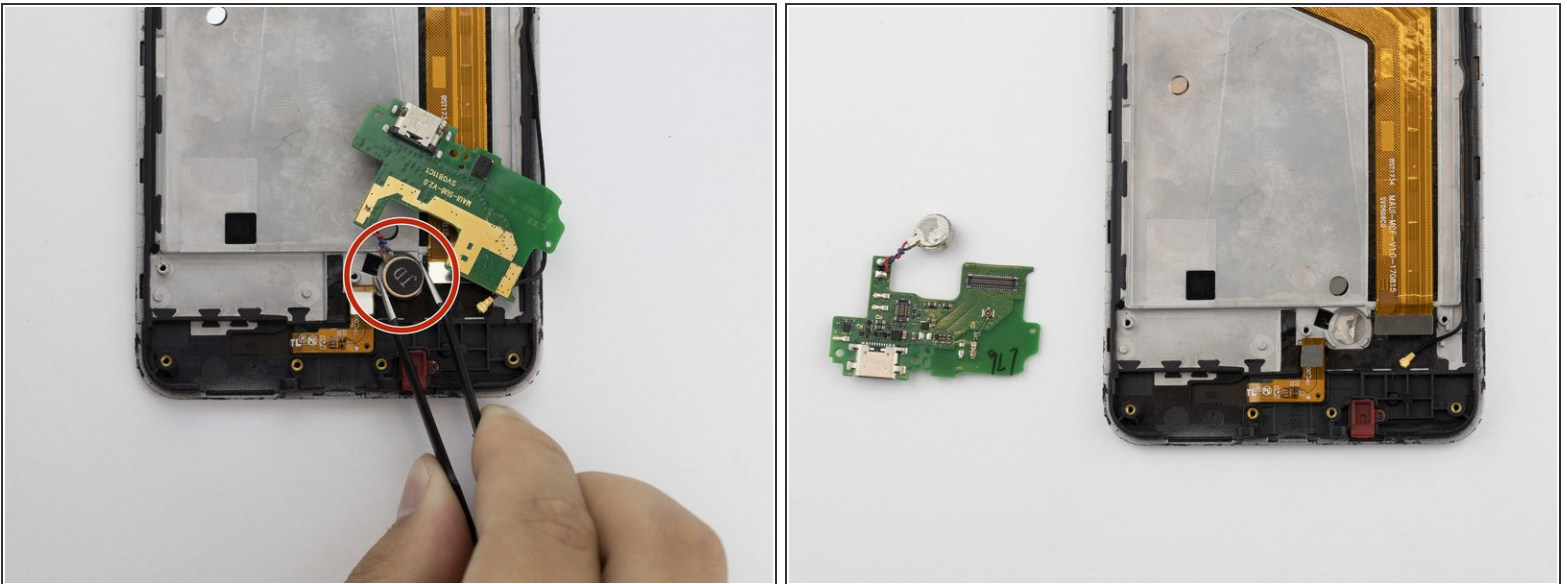
- Detach the metal casing at the bottom of the phone.
- Unplug the cable connector.
- Use a pair of angled tweezers to unplug the black wire.

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.

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