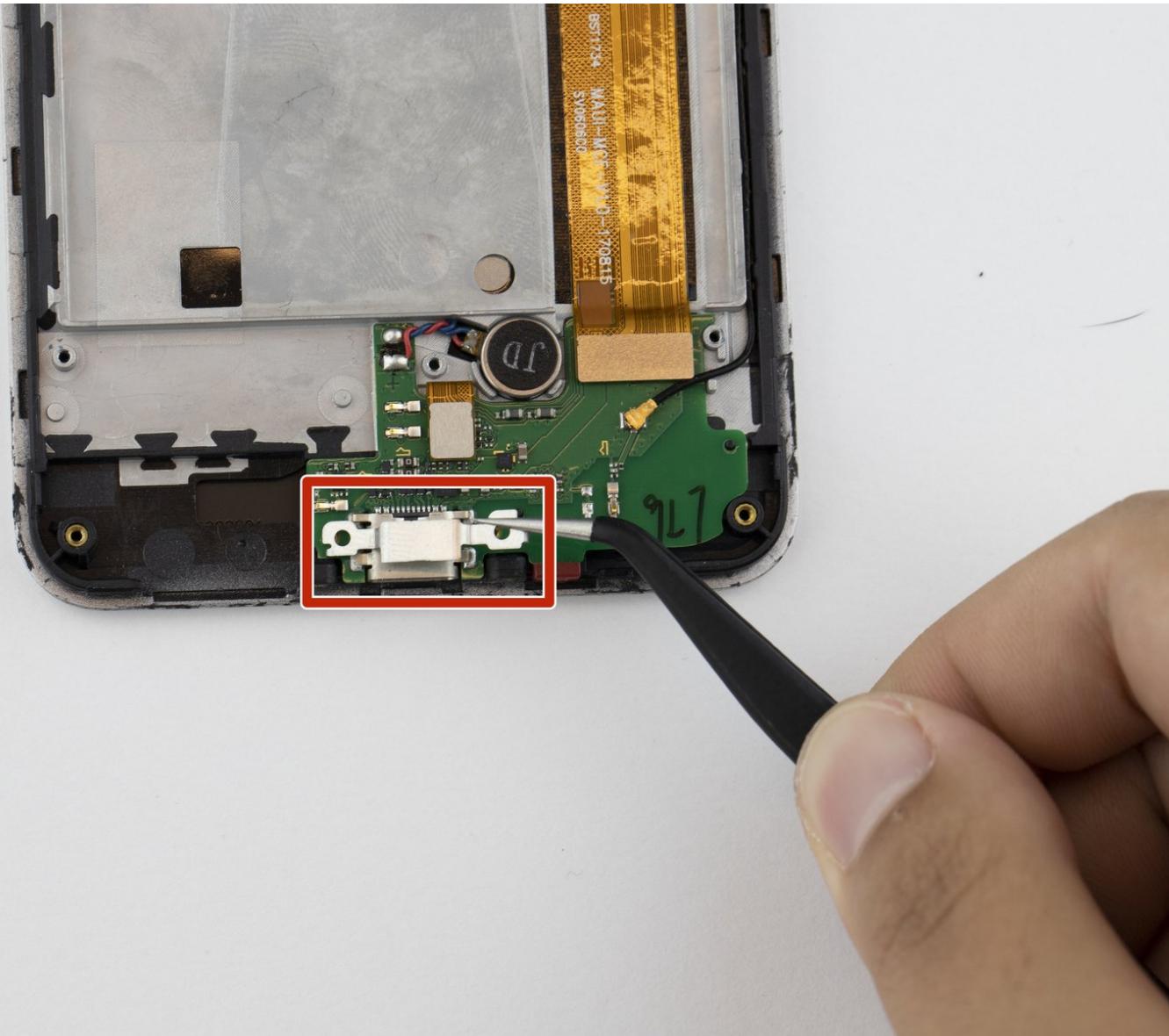




# Orbic Wonder Charging Port Circuit Board Replacement

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

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 **TOOLS:**

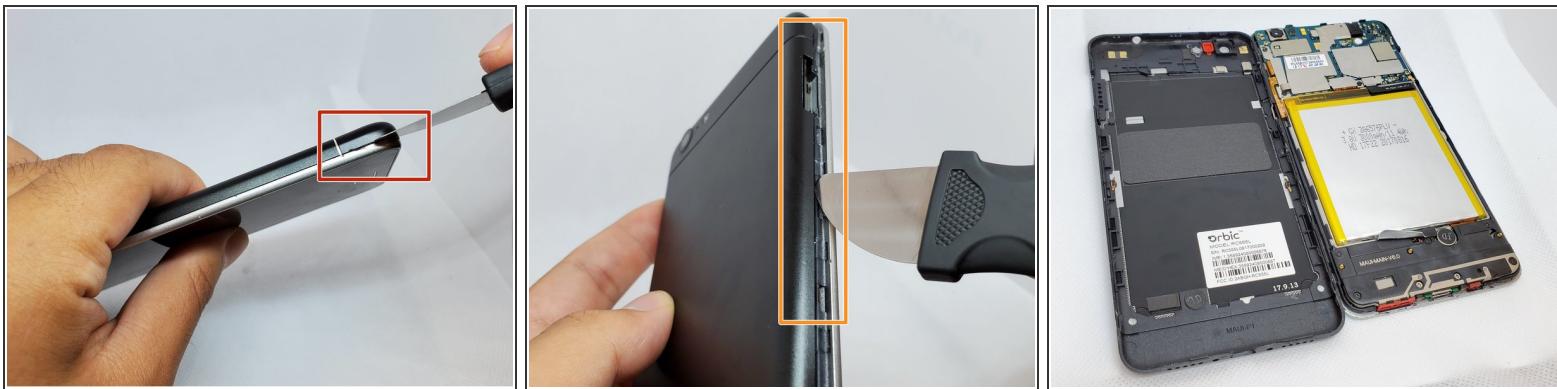
- [Phillips #000 Screwdriver \(1\)](#)
- [TR9 Torx Security Screwdriver \(1\)](#)
- [Jimmy \(1\)](#)
- [Anti-Static Wrist Strap \(1\)](#)
- [Tweezers - Pro/ESD/Angled \(1\)](#)

## Step 1 — Battery



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

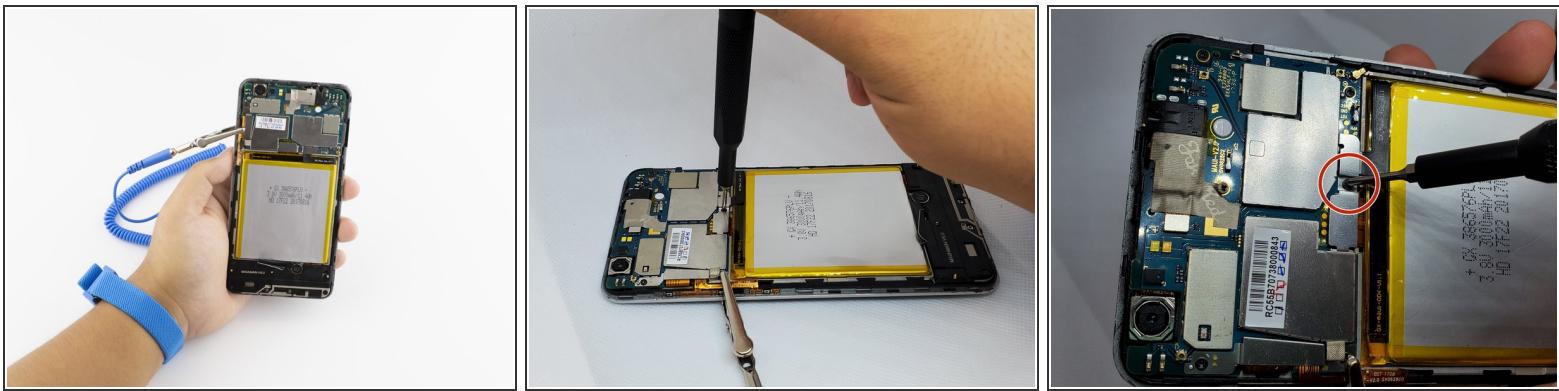
## Step 2



- 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.

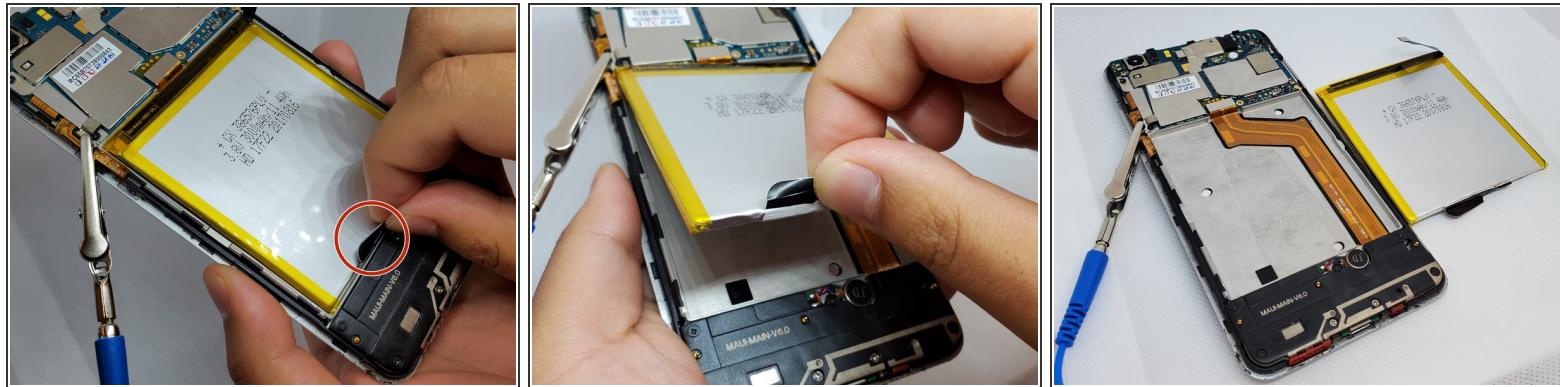
- On the upper right side, there is a black ribbon cable in the shape of an "L". Remove the single 1 mm Phillips #000 screw on the left side of the ribbon cable.

## 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



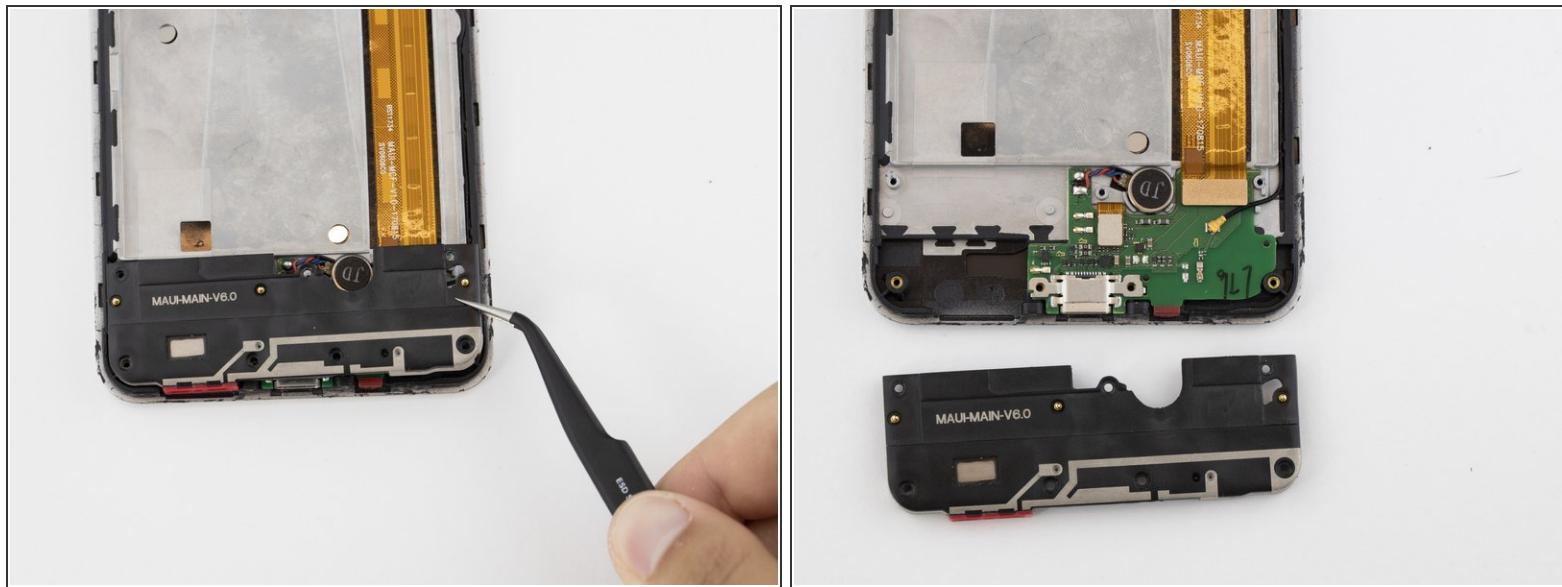
- There is a black flap on the bottom of the battery.
- Using your fingers, pinch this flap and carefully pull the battery up and out of the phone.

## 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



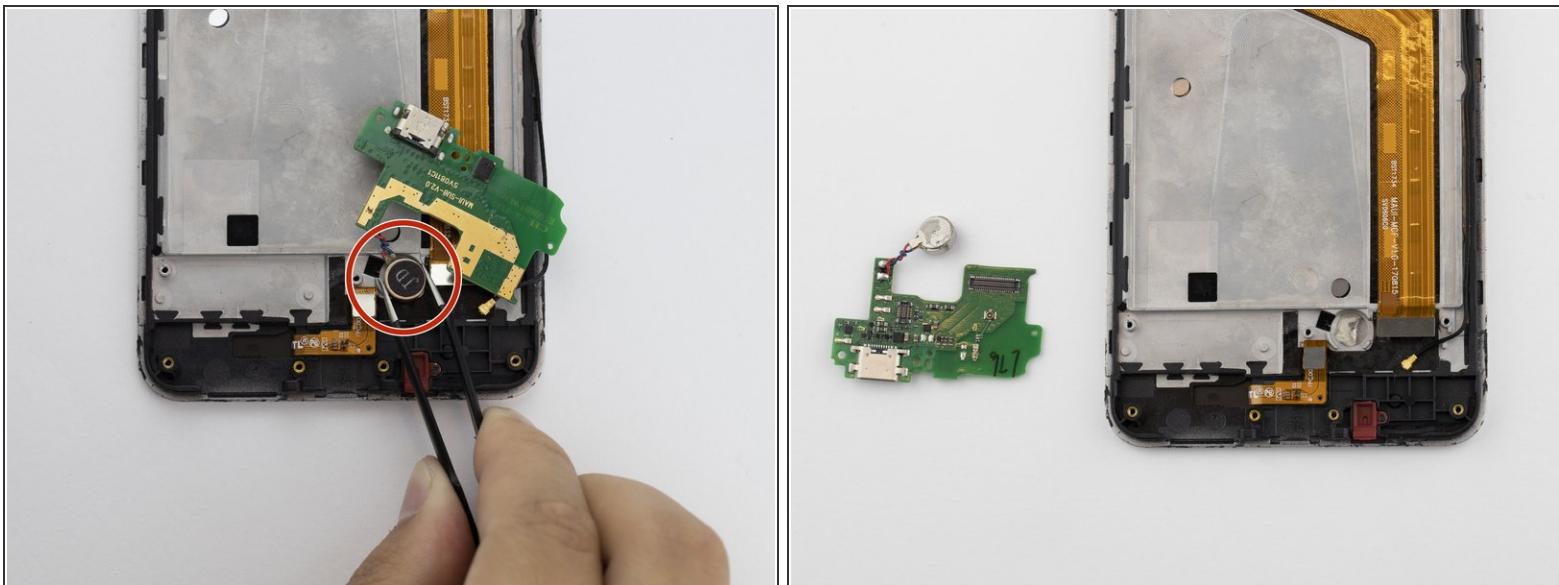
- Detach the metal casing at the bottom of the phone.
- Unplug the cable connector.
- Use a pair of angled tweezers to unplug the black wire.

## 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.