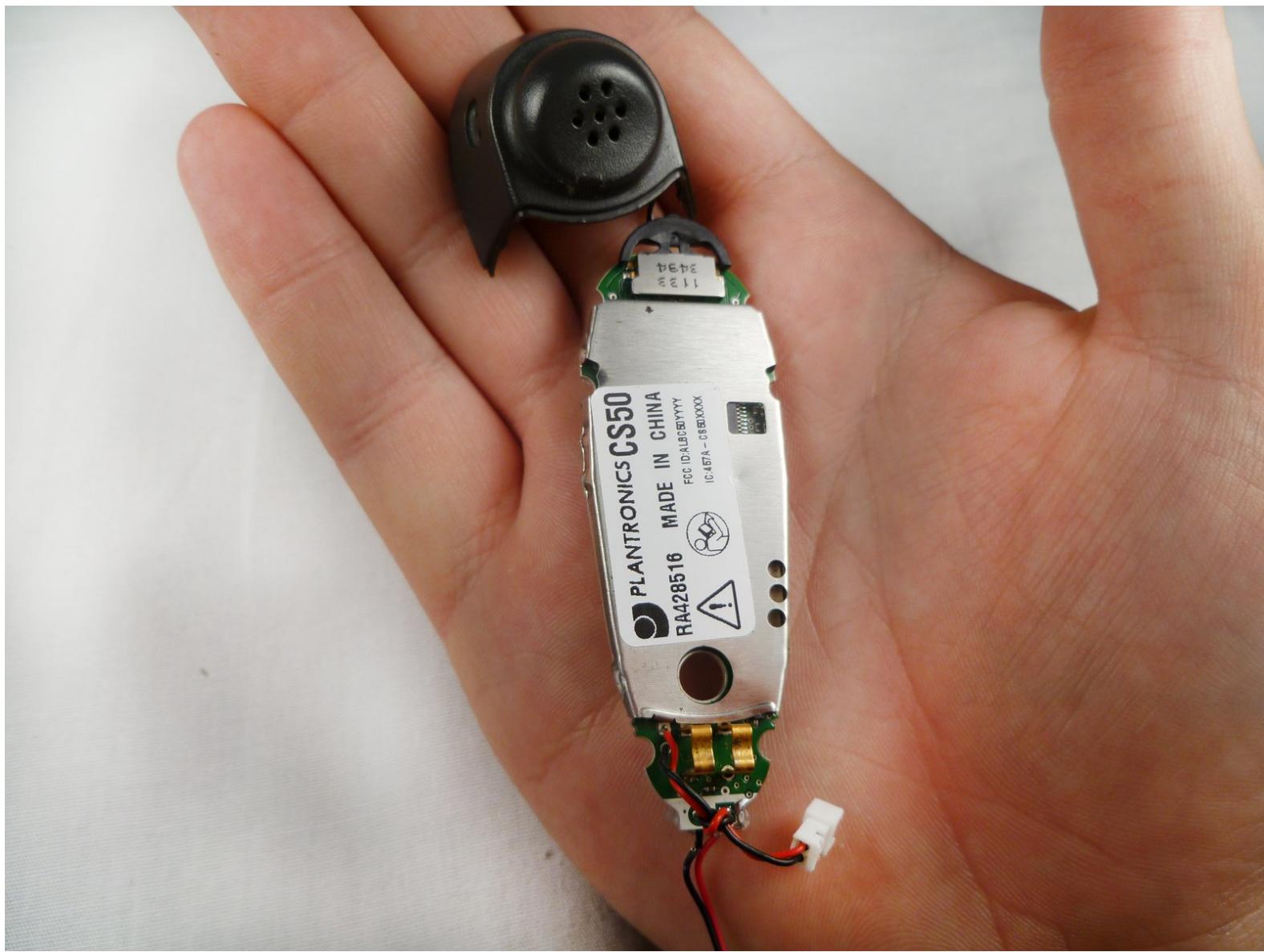




Plantronics CS50 Headset Motherboard Replacement

Replace a burned out headset motherboard.

Written By: Joe



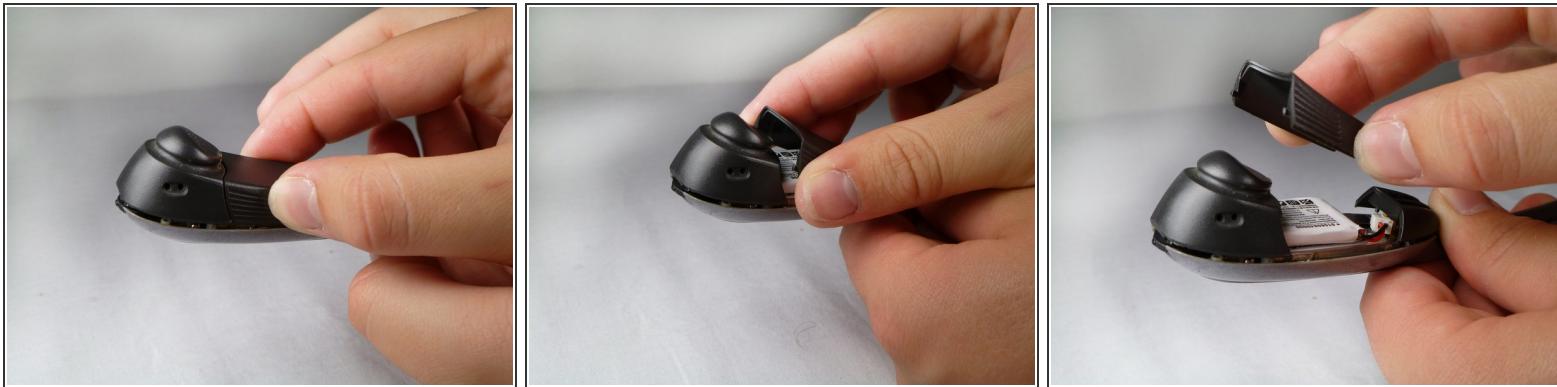
INTRODUCTION

Use this guide to replace your headset's motherboard

TOOLS:

- [Heat Gun \(1\)](#)
- [iFixit Opening Tools \(1\)](#)
- [Solder \(1\)](#)
- [Soldering Iron \(1\)](#)

Step 1 — Battery



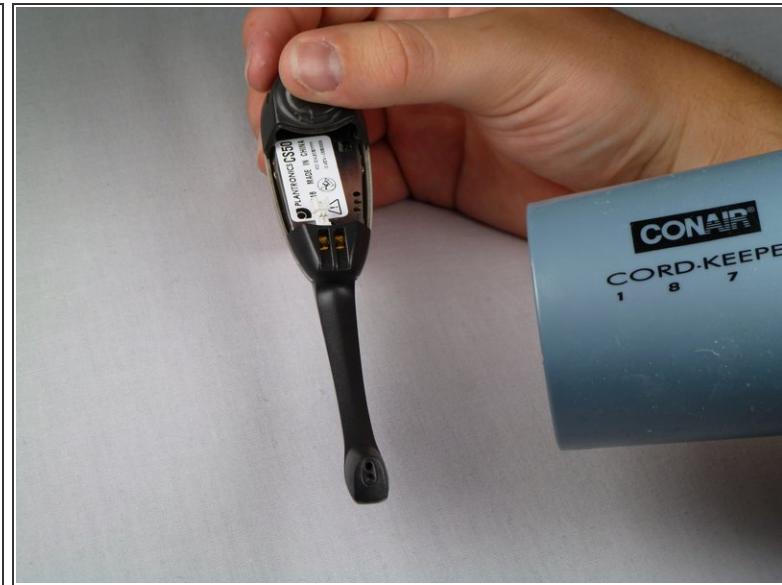
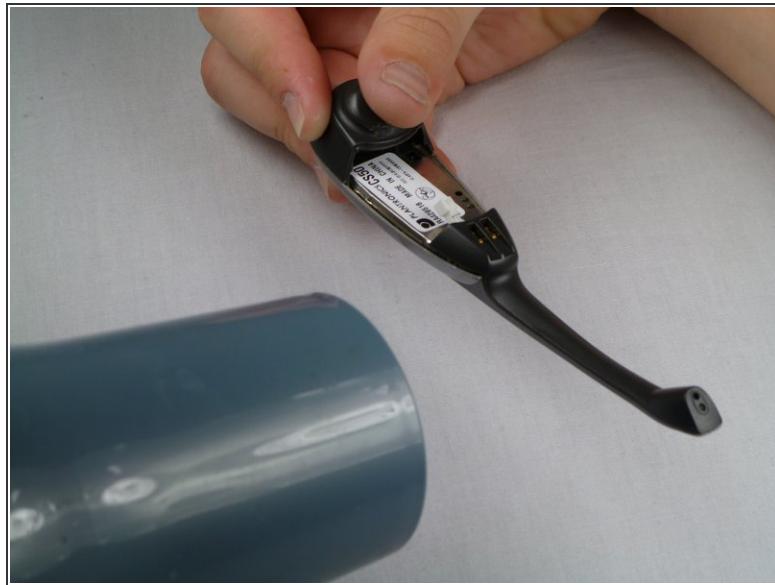
- Flip the headset face down.
- Squeeze both sides of the battery cover.
- While squeezing, pull the cover up slowly to remove it.

Step 2



- Locate and detach the white connector that connects the wires of the battery to the wires of the headset.

Step 3 — Microphone



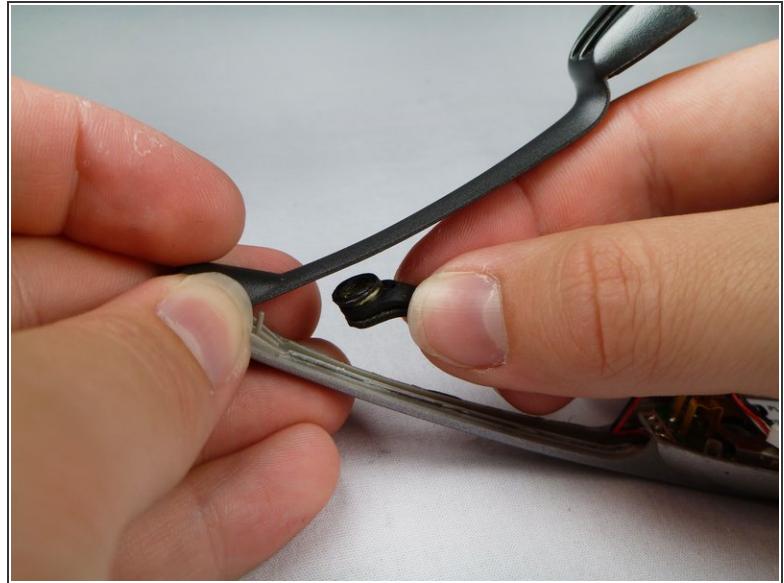
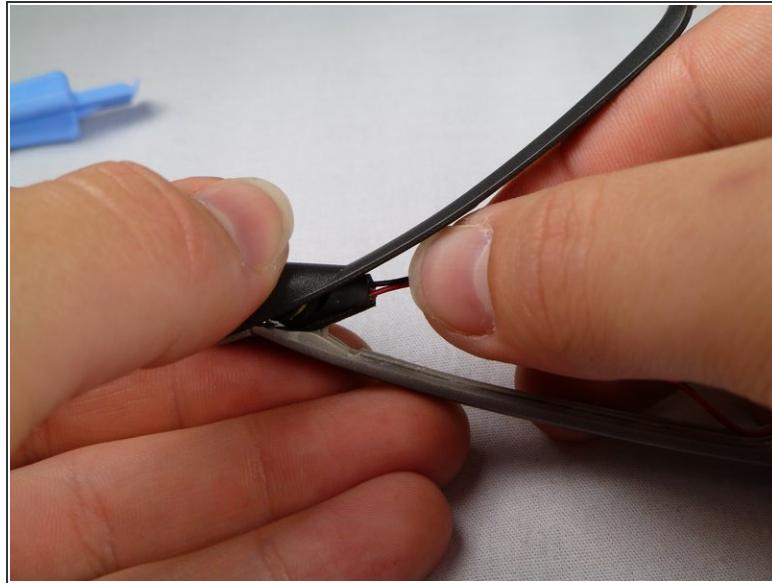
- Use a hairdryer or heat gun to melt the adhesive along the crevice that joins the black and silver components.
- Apply additional heat at the tip of the microphone.

Step 4



- After heating the headset, use the plastic opening tool to carefully pry the black cover from the headset.
- Be aware of the two plastic connectors inside the headset. If the black cover does not come off smoothly, apply additional heat on the connectors.

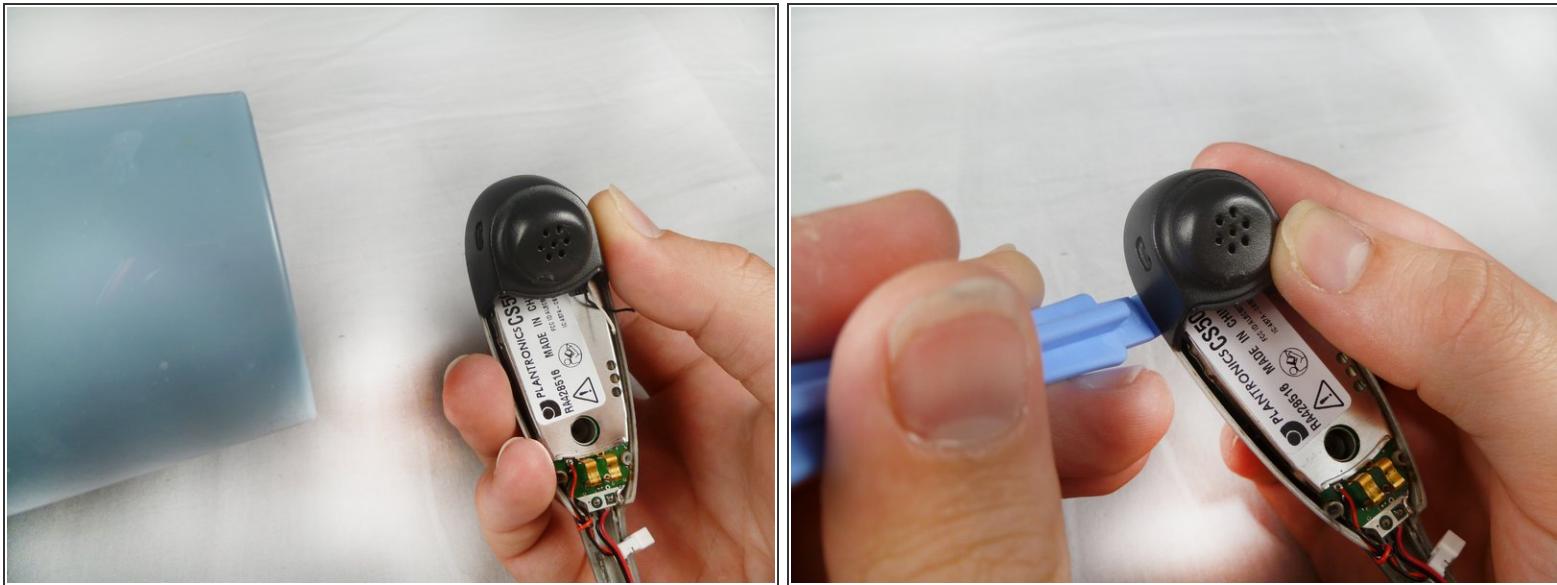
Step 5



- Remove the microphone from the tip of the plastic.

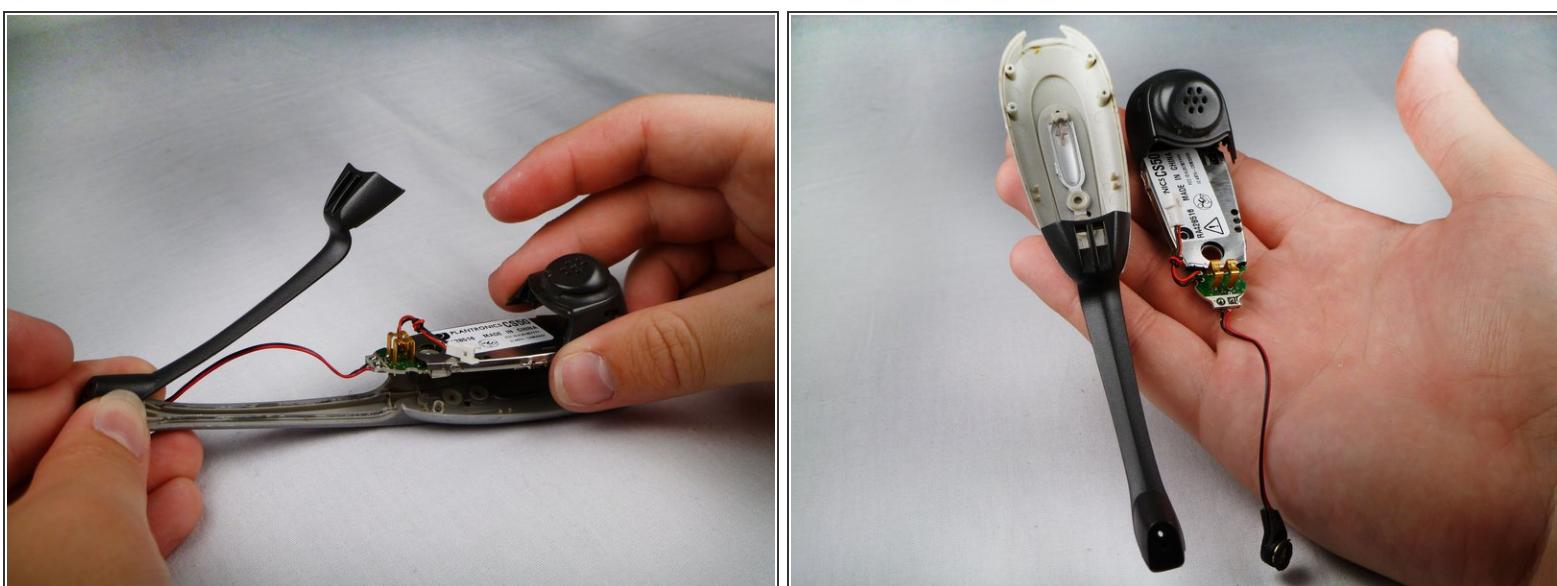
(i) You will have to lift the microphone straight up because it is held in place by a small piece of plastic.

Step 6



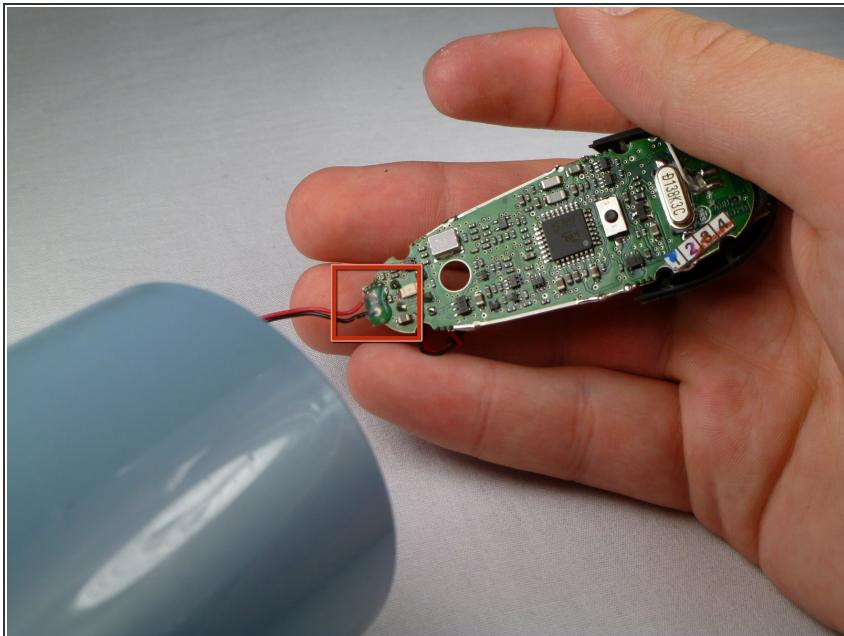
- Use the heat gun to melt the adhesive connecting the headset face to the speaker casing.
- Use the plastic opening tool to separate the speaker casing from the headset face.
- ① Add extra heat to the sides to melt the adhesive between the plastic connectors.

Step 7



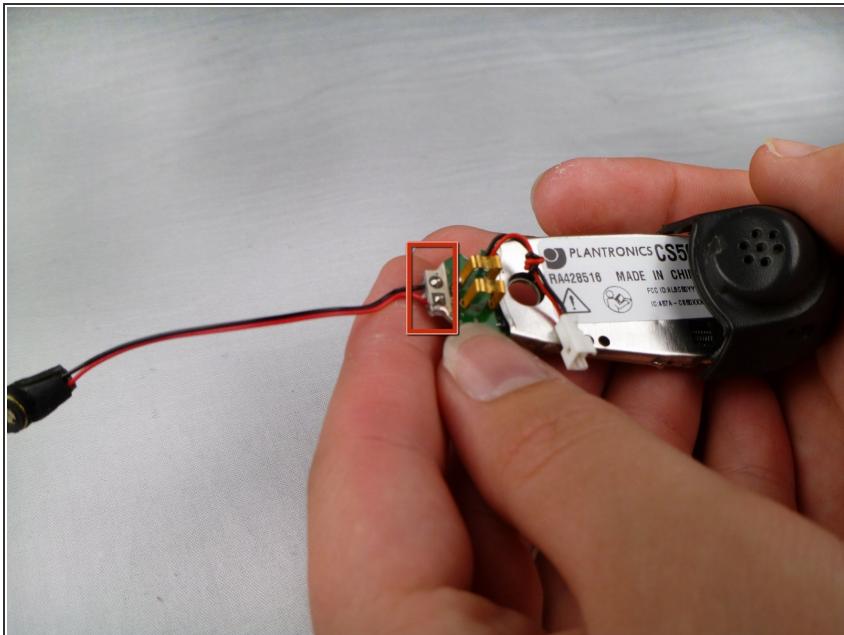
- Slowly separate the motherboard from the rest of the headset.

Step 8



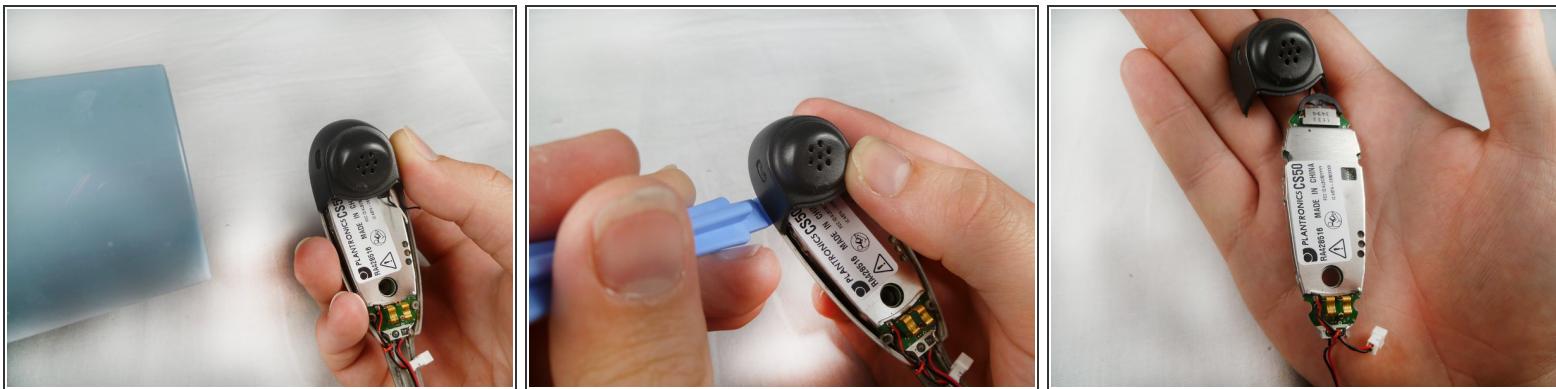
- Locate the microphone wires on the bottom of the motherboard.
- Use a hairdryer or heat gun to melt the glue off of the motherboard.*

Step 9



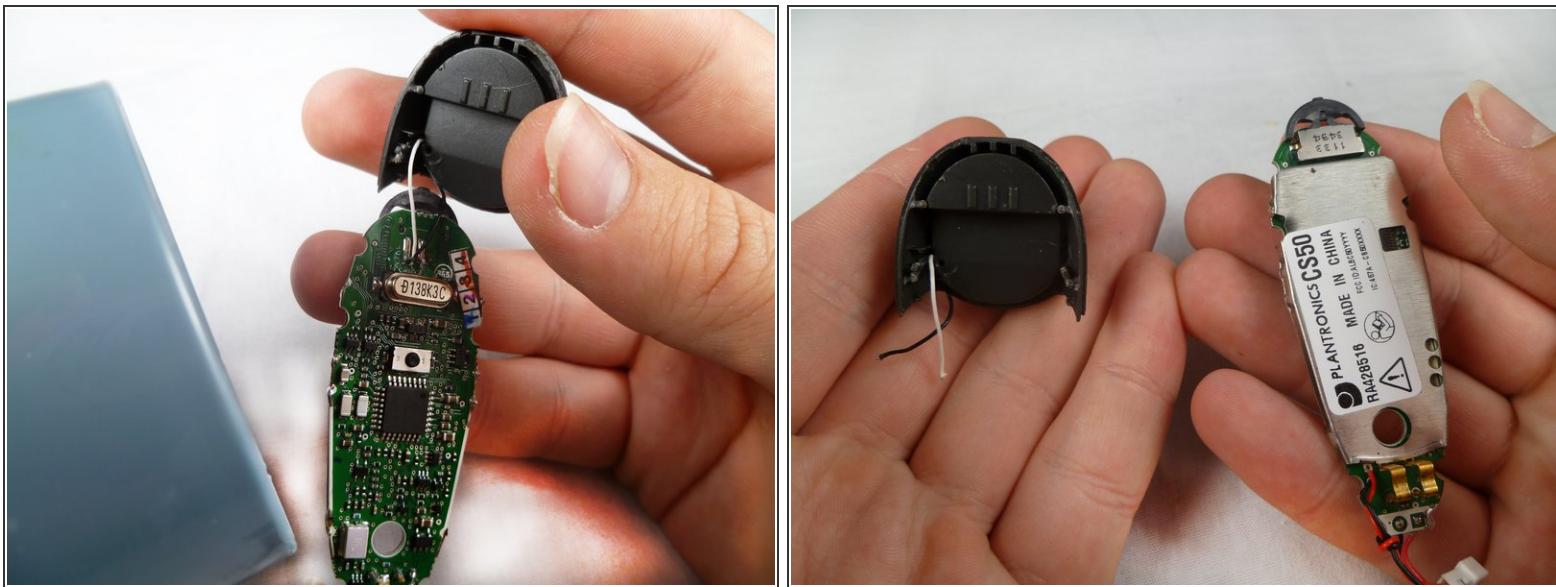
- Flip the device over.
- Use a soldering iron to remove the solder that holds the wires to the motherboard.
- For help soldering, click [here](#).*
- The microphone piece should be completely detached from the motherboard.*

Step 10 — Motherboard



- Using a blow dryer or a heat gun, heat the crevice to melt the adhesive between the plastic covers.
- Using a plastic opening tool, prop open the edges.
- Gently pull the black speaker casing up to remove it.

Step 11



- Use the heat gun or blow dryer to melt the glue that connects the wires to the headset's motherboard.
- *(i)* The wires should come off as they are not soldered to the motherboard.

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