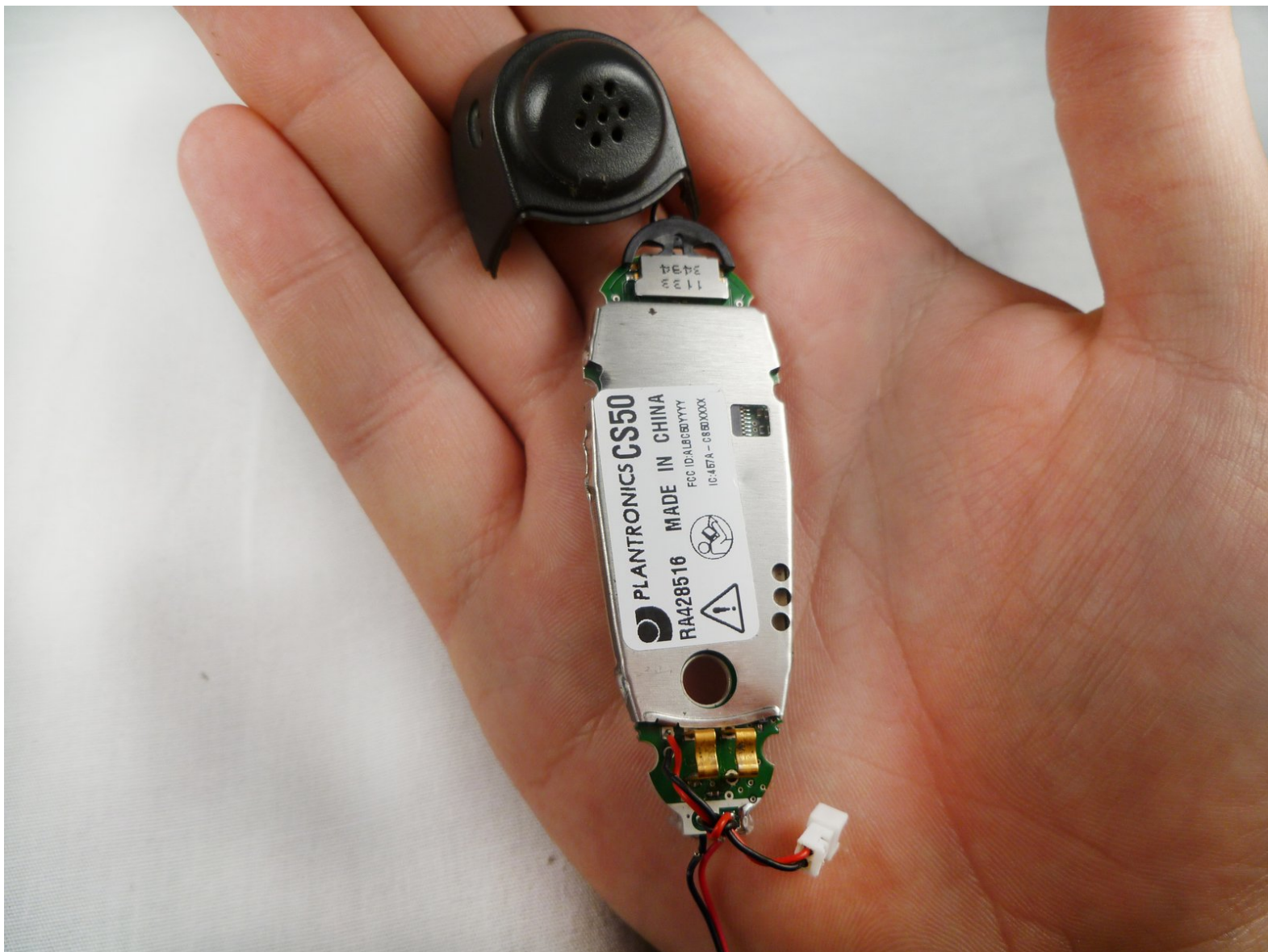




# Plantronics CS50 Headset Motherboard Replacement

Replace a burned out headset motherboard.

Written By: Joe



---

# INTRODUCTION

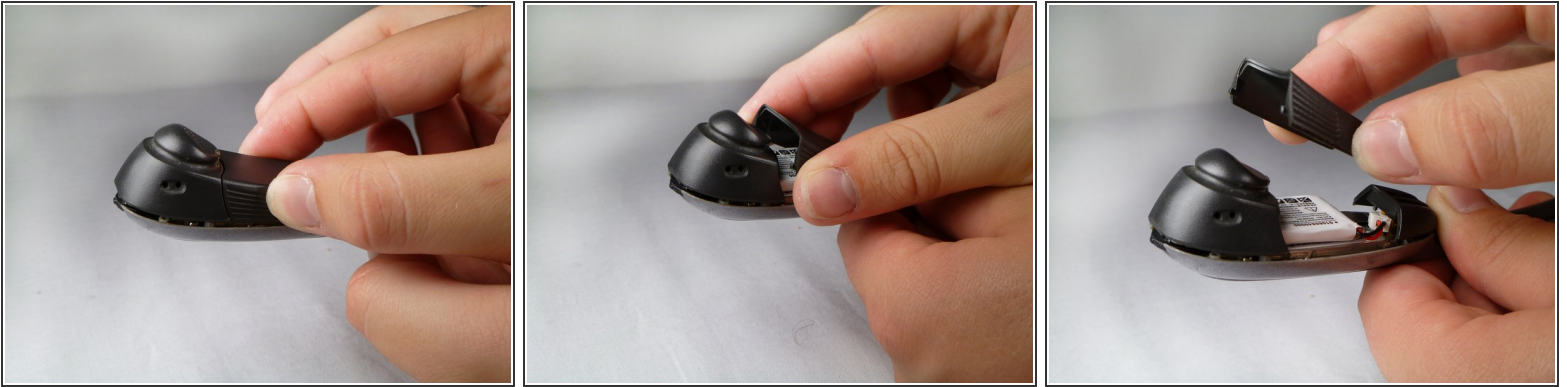
Use this guide to replace your headset's motherboard



## TOOLS:

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

## Step 1 — Battery



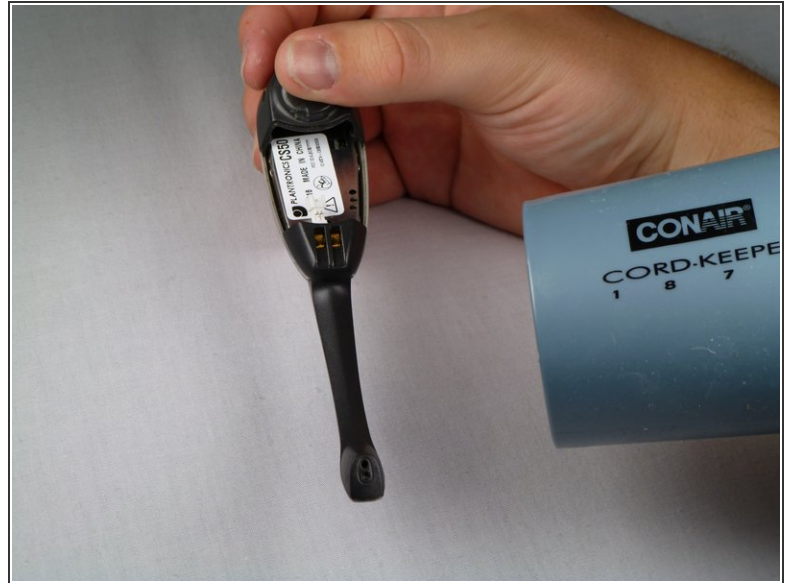
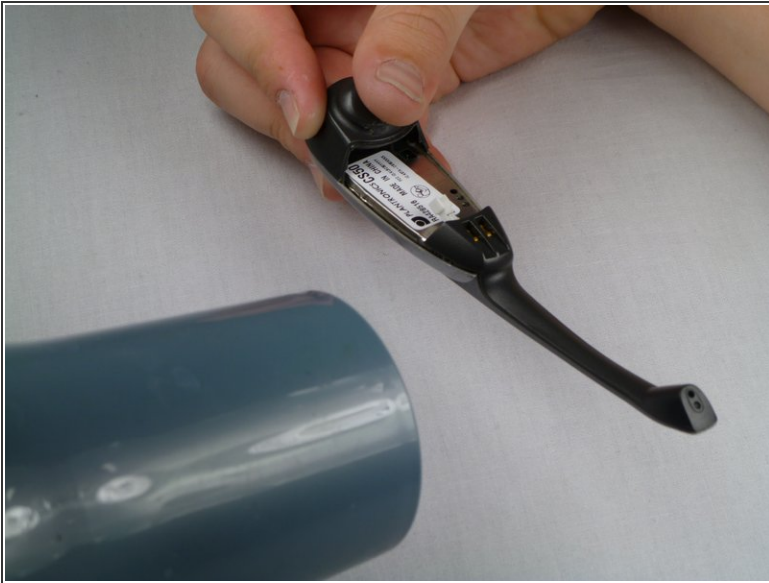
- Flip the headset face down.
- Squeeze both sides of the battery cover.
- While squeezing, pull the cover up slowly to remove it.

## Step 2



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

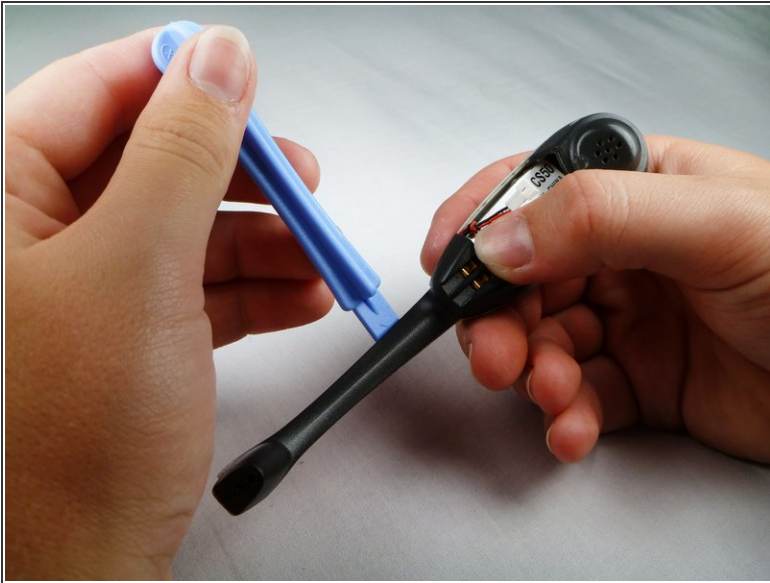
## Step 3 — Microphone



- 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.

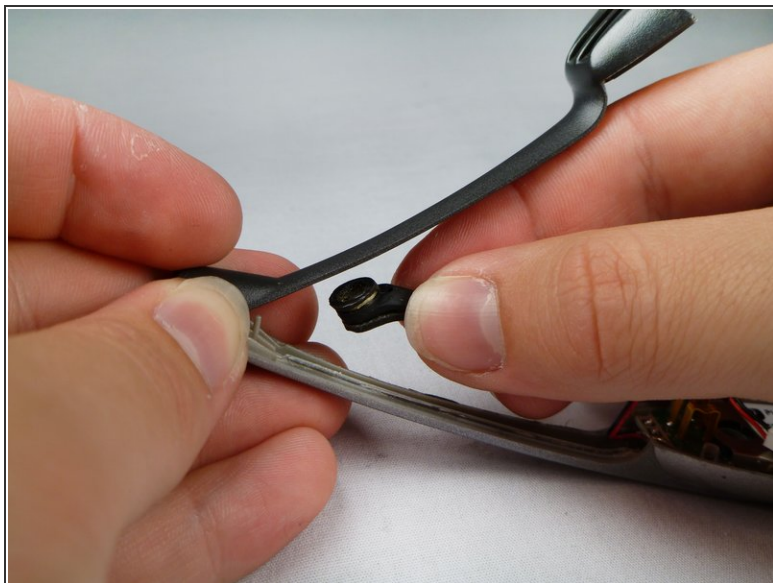
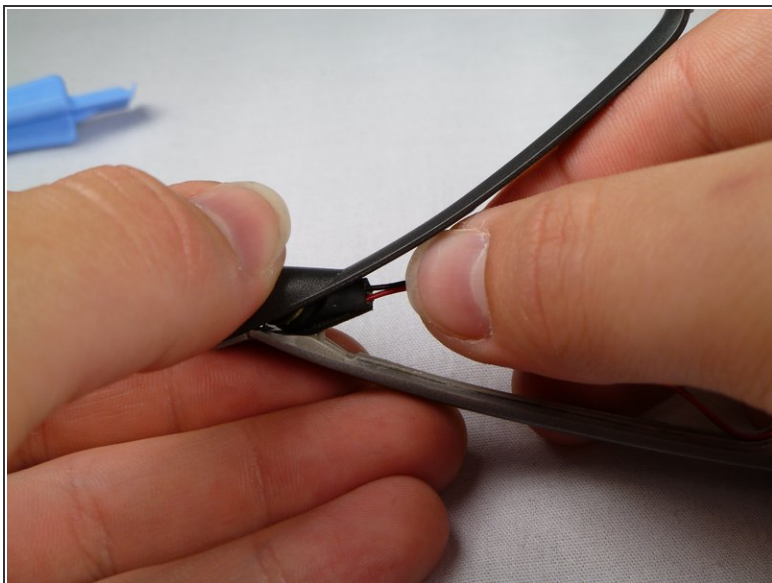


## Step 4



- 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



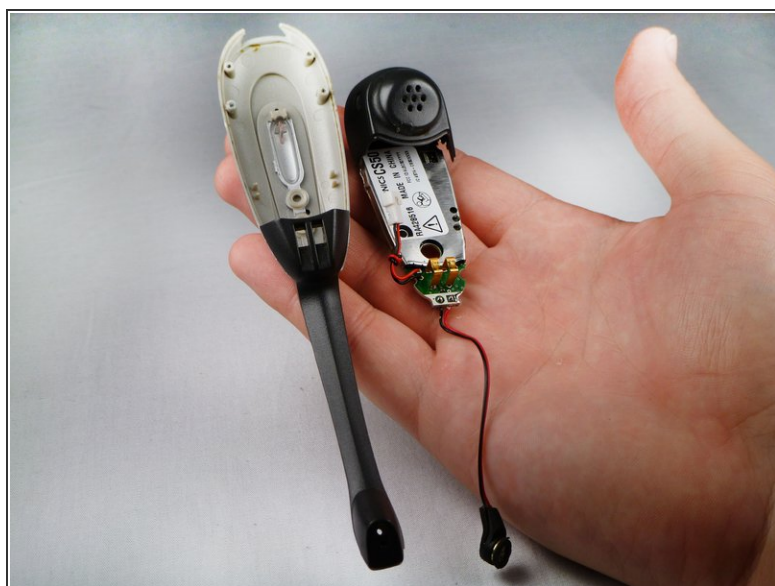
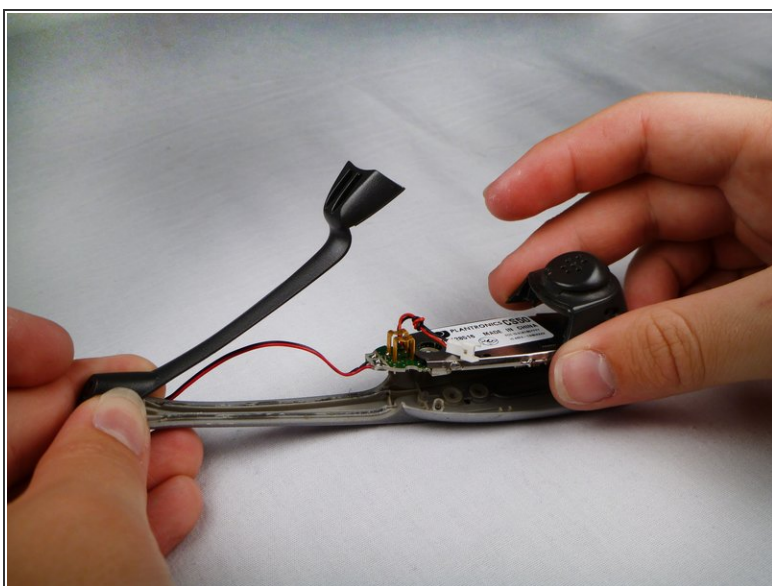
- Remove the microphone from the tip of the plastic.
- ⓘ You will have to lift the microphone straight up because it is held in place by a small piece of plastic.

## 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.
- ❗ Add extra heat to the sides to melt the adhesive between the plastic connectors.

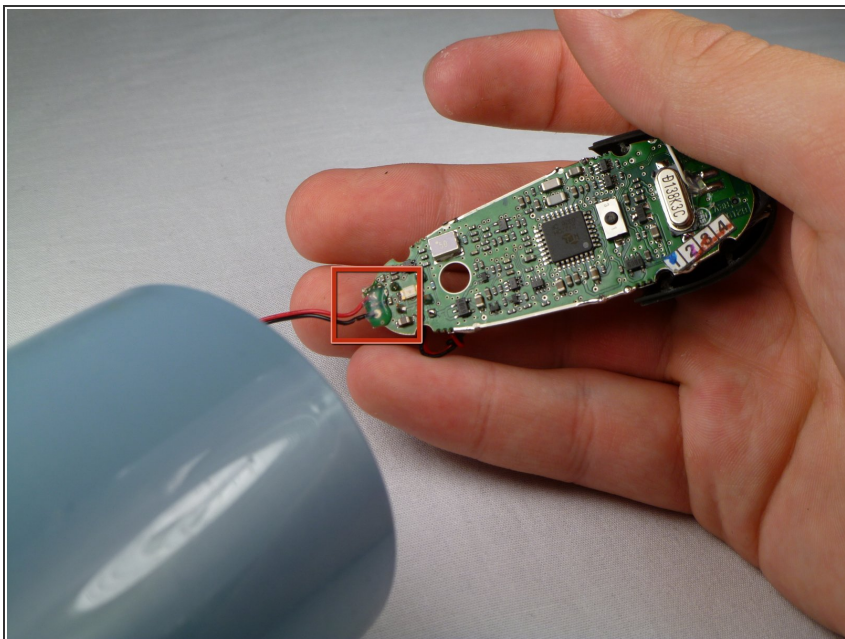
## Step 7



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

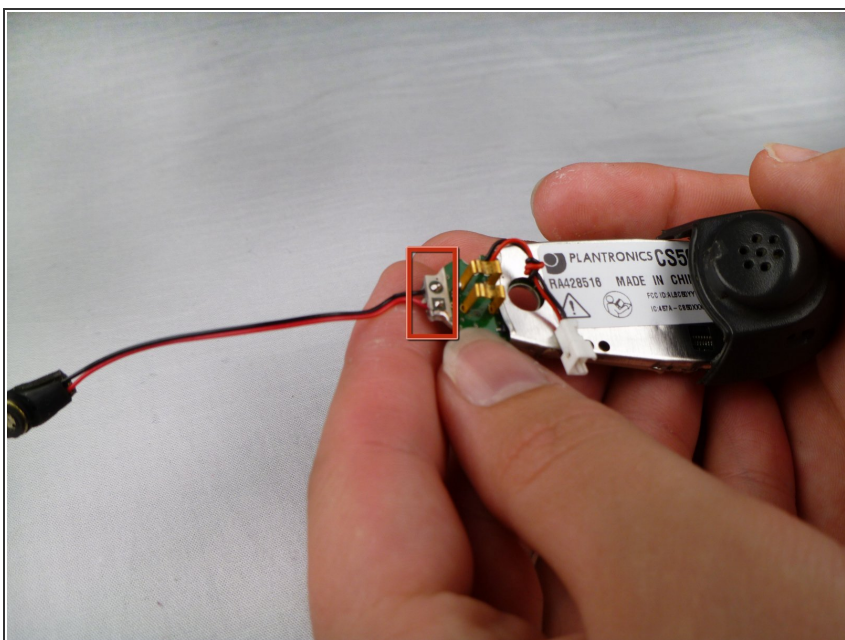


## Step 8



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

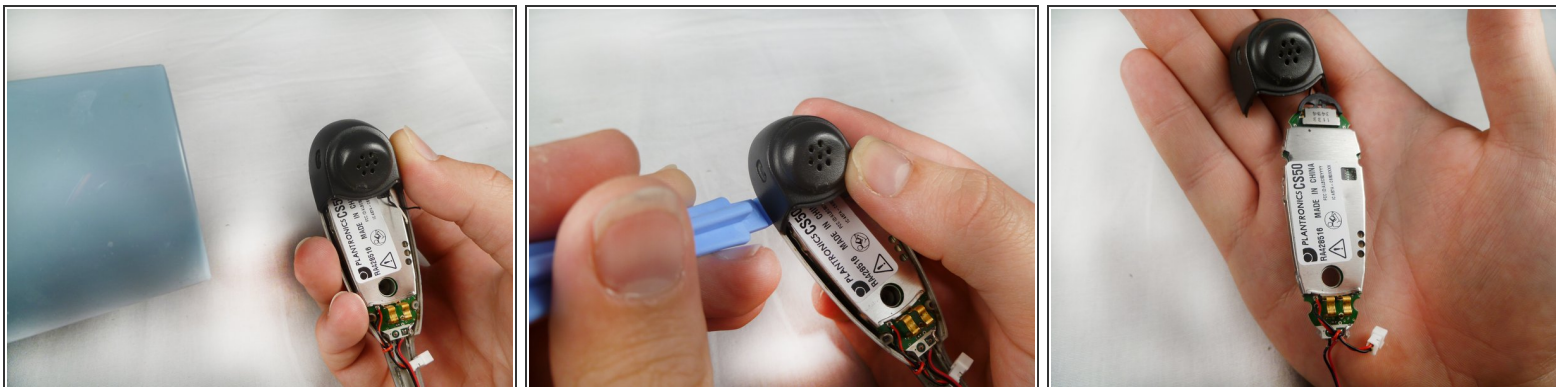
## Step 9



- 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.

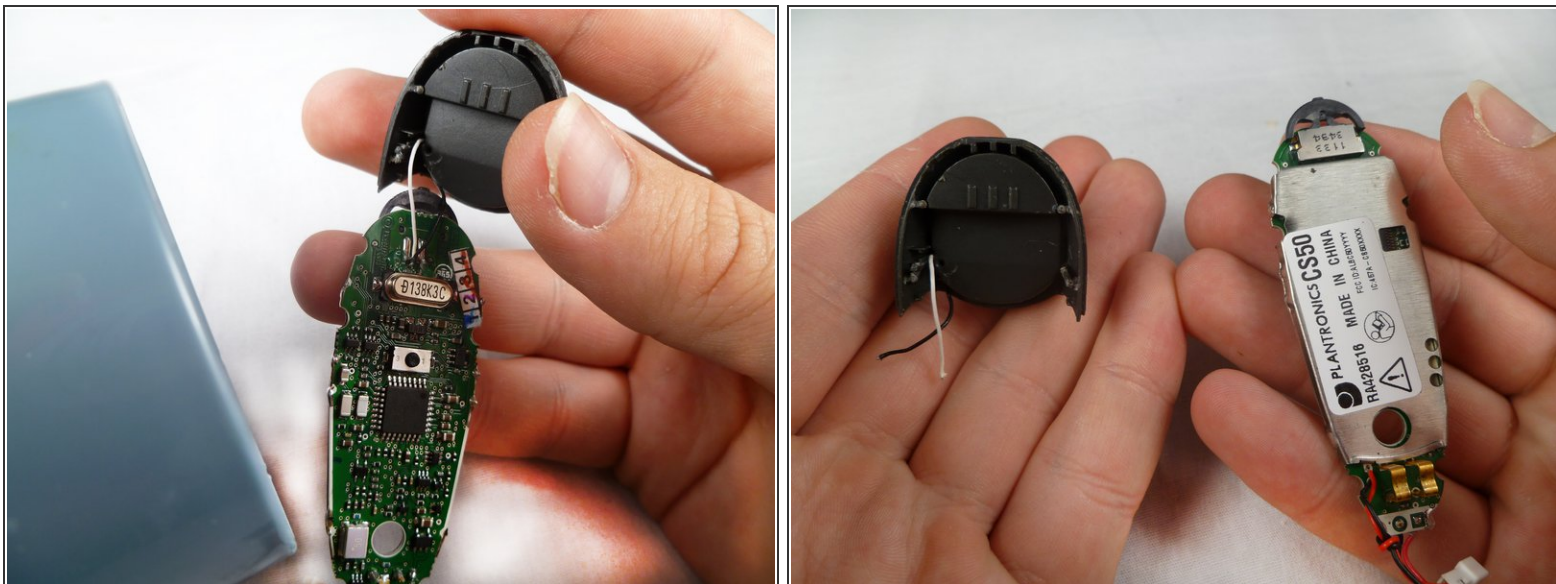


## Step 10 — Motherboard



- 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.