



# INTRODUCTION

Use this guide to replace a worn-out or dead battery in your Fitbit Charge 2.

If your battery is swollen, [take appropriate precautions](#). For your safety, **discharge your battery below 25%** before disassembling your Fitbit Charge 2. This reduces the risk of a dangerous thermal event if the battery is accidentally damaged during the repair.

You'll need replacement adhesive to reattach components when reassembling the device.



## TOOLS:

[iOpener](#) (1)  
[iSesamo Opening Tool](#) (1)  
[Spudger](#) (1)  
[ESD Safe Blunt Nose Tweezers](#) (1)  
[iFixit Opening Picks \(Set of 6\)](#) (1)  
[Soldering Iron](#) (1)



## PARTS:

[Fitbit Charge 2 Battery](#) (1)

---

## Step 1 — Remove the watch band



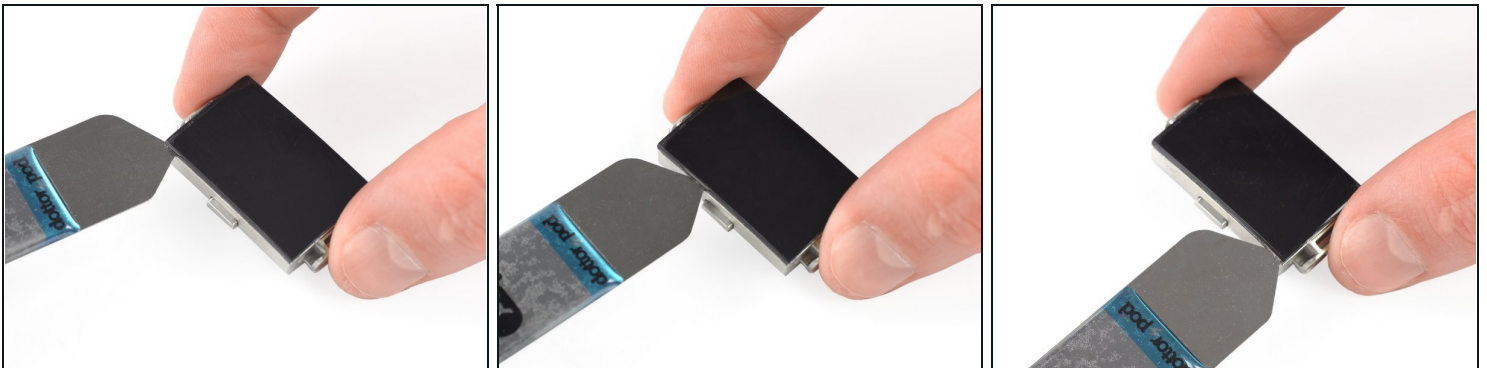
- Before starting, take your Fitbit Charge 2 off the charger and power it down.
- Remove the watch band on both sides.

## Step 2 — Heat the touch screen



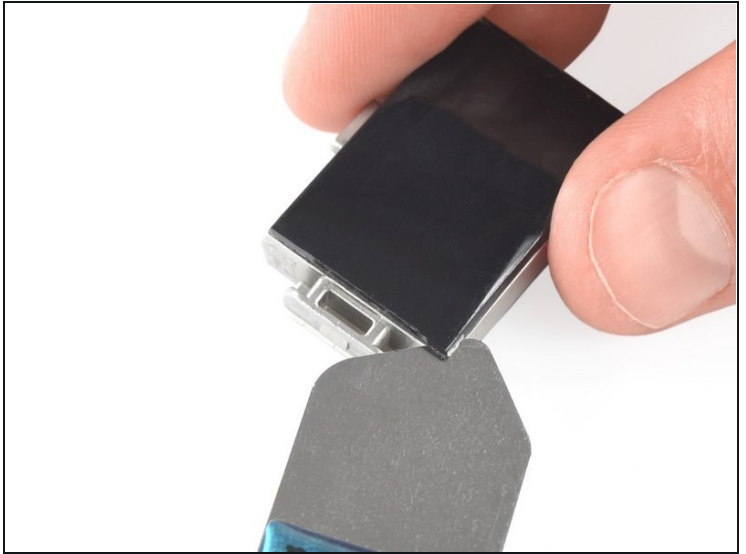
- [Heat an iOpener](#) and apply it to the touch screen for two minutes.
- ⓘ The screen is not glued down, but the heat helps to loosen the touch screen assembly.

## Step 3 — Slide along the left edge



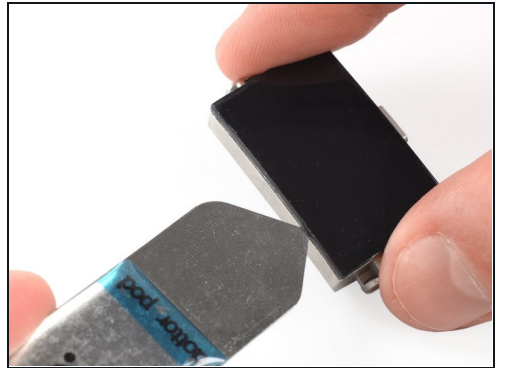
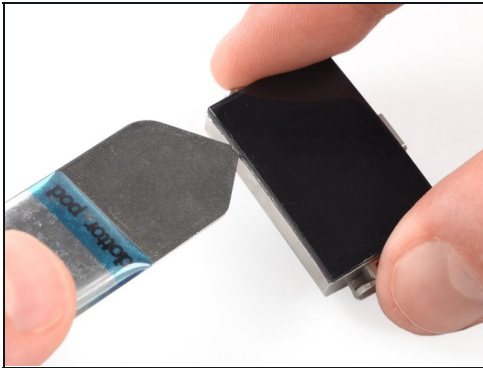
- [Insert an iSesamo](#) into the gap between the touch screen and the watch assembly on the top left corner.
- Slide the iSesamo along the left edge to the bottom left corner.

#### Step 4 — Slide along the bottom edge



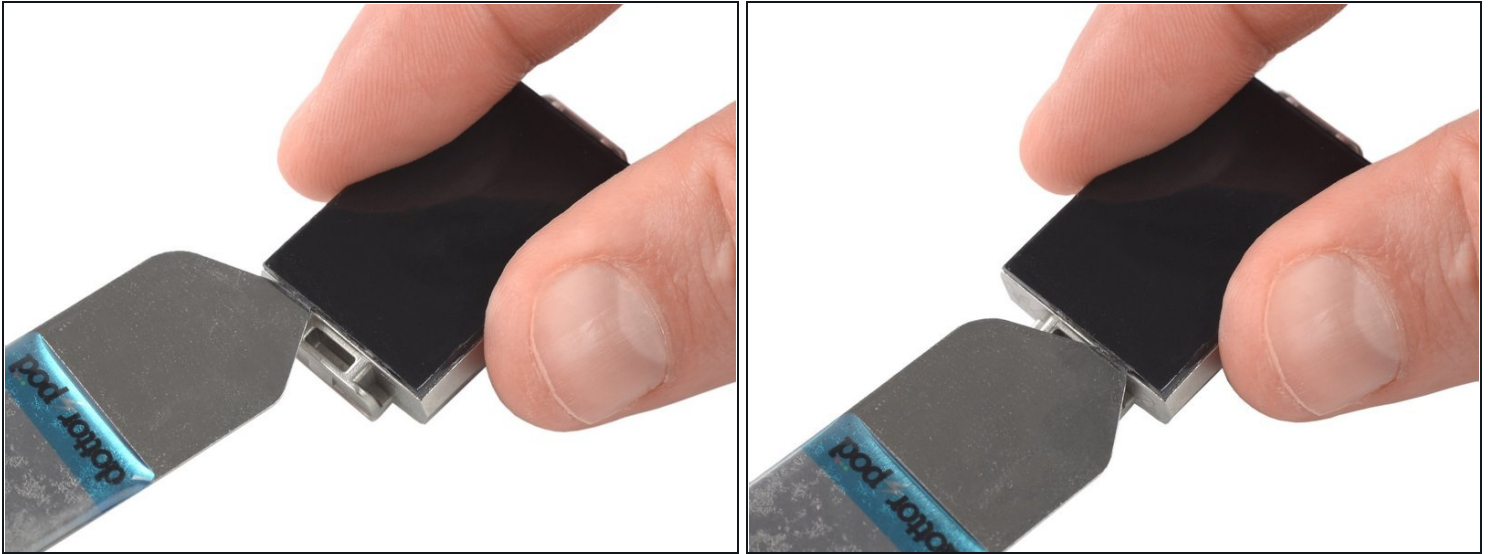
- Slide the iSesamo around the bottom left corner.
- Slide it along the edge to the bottom right corner.

#### Step 5



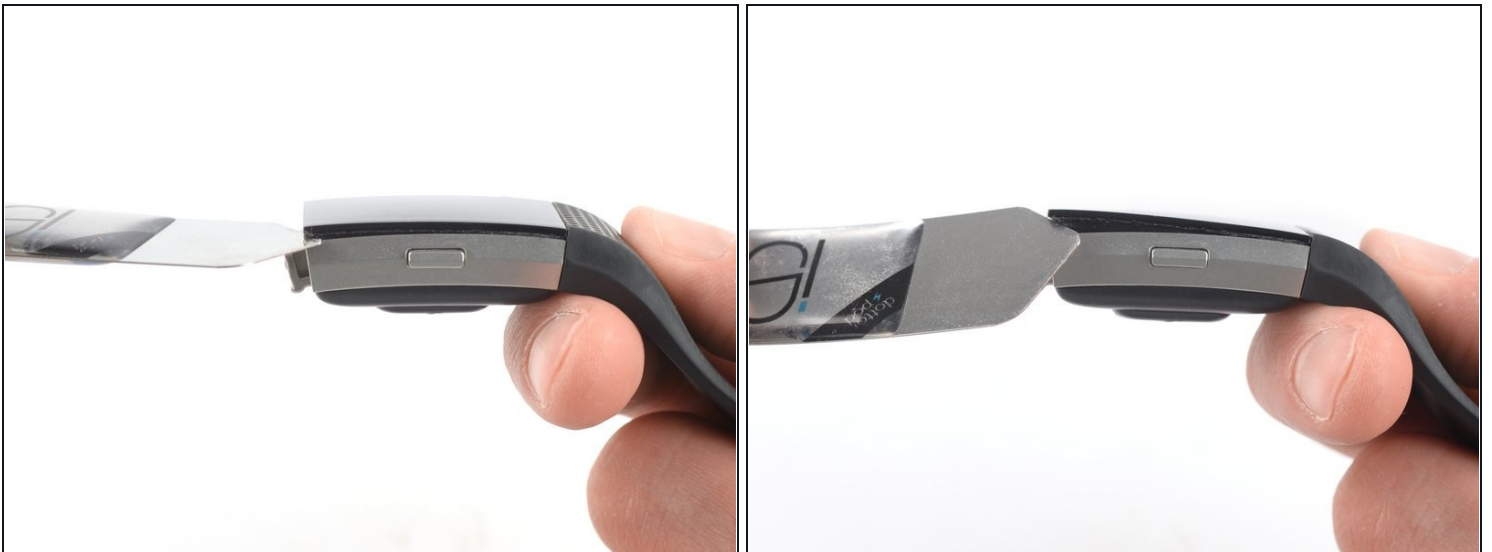
- Slide the iSesamo around the bottom right corner.
- Keep sliding it along the right edge to the top right corner.

## Step 6



- Slide the iSesamo around the top right corner.
- Slide it along the top edge to the top left corner.

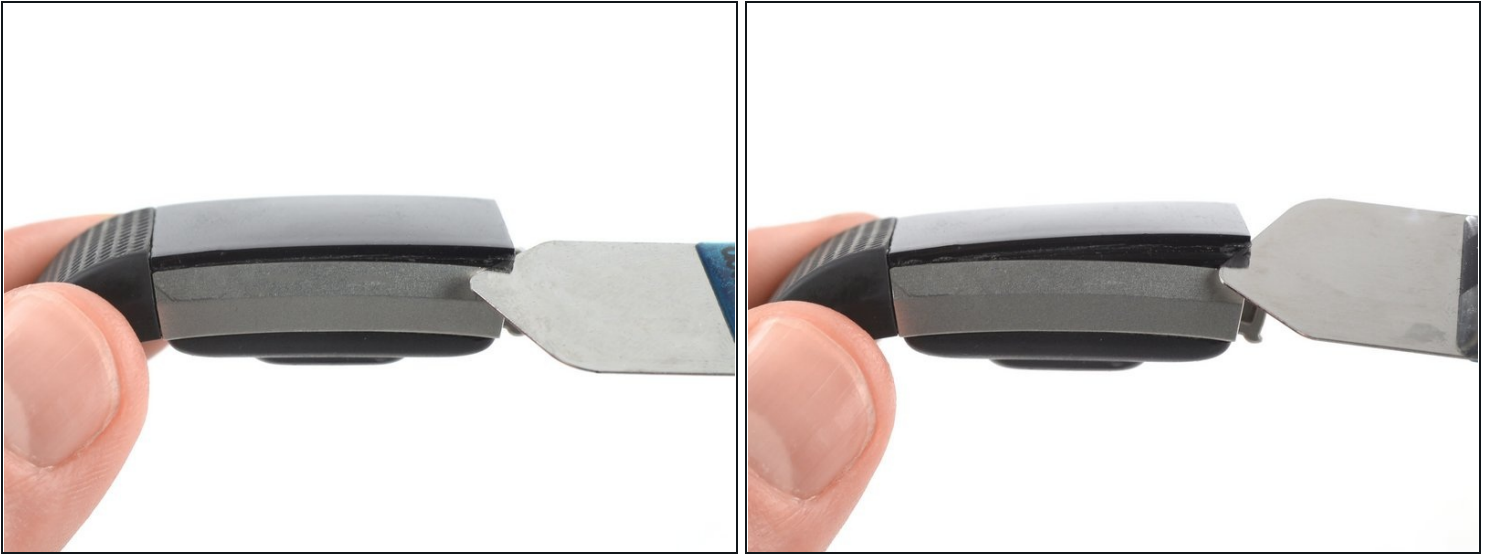
## Step 7



- Place the iSesamo under the top left corner.
  - ① Feel free to reattach the watch band for this and the next step for a better grip.
- Pry up the touch screen assembly by twisting the iSesamo sideways to create a gap and unhinge the plastic clips which are holding the screen in place.



## Step 8



- Place the iSesamo under the top right corner.
- Pry up the touch screen assembly by twisting the iSesamo sideways to create a gap.

## Step 9



- Insert a spudger into the gap on the top edge of your Fitbit Charge 2.
- Use the spudger to pry up the touch screen assembly.

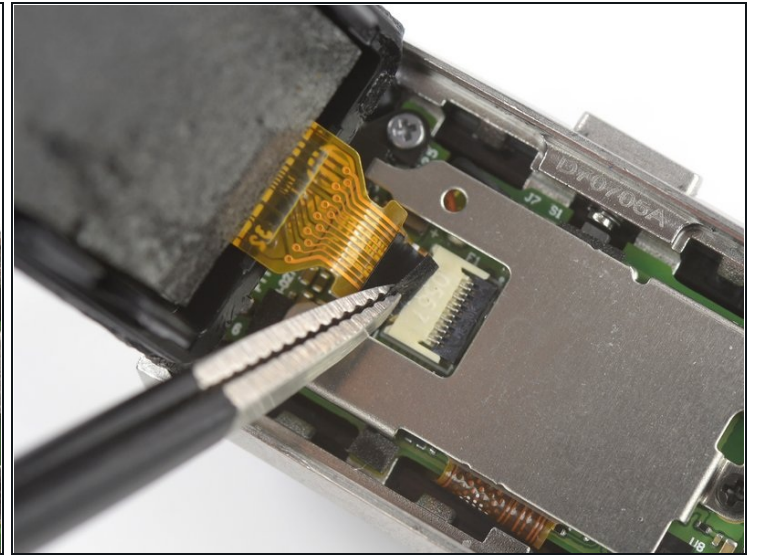
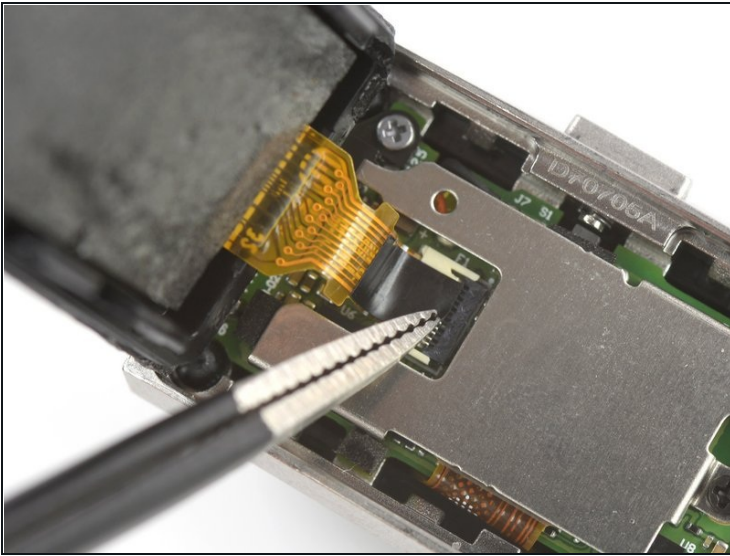
**⚠ Do not remove the touch screen assembly all the way yet—it's still connected to the motherboard.**

## Step 10



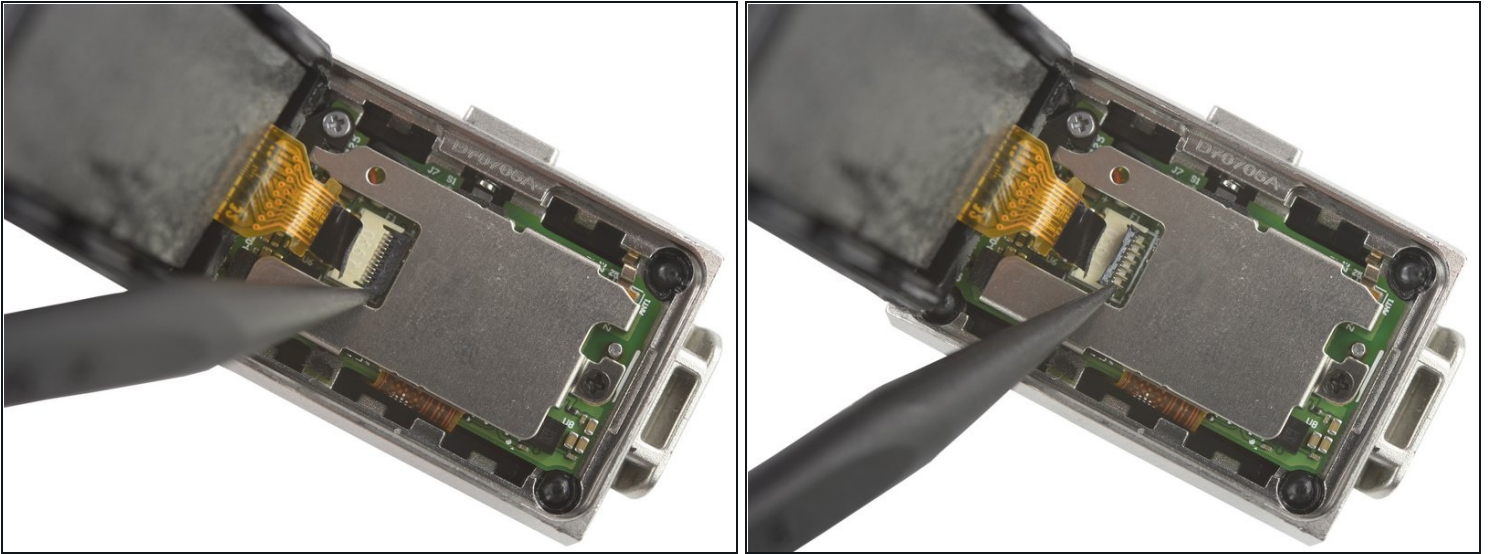
- Carefully fold the touch screen assembly in the direction of the bottom edge.

## Step 11 — Remove the protecting sticker



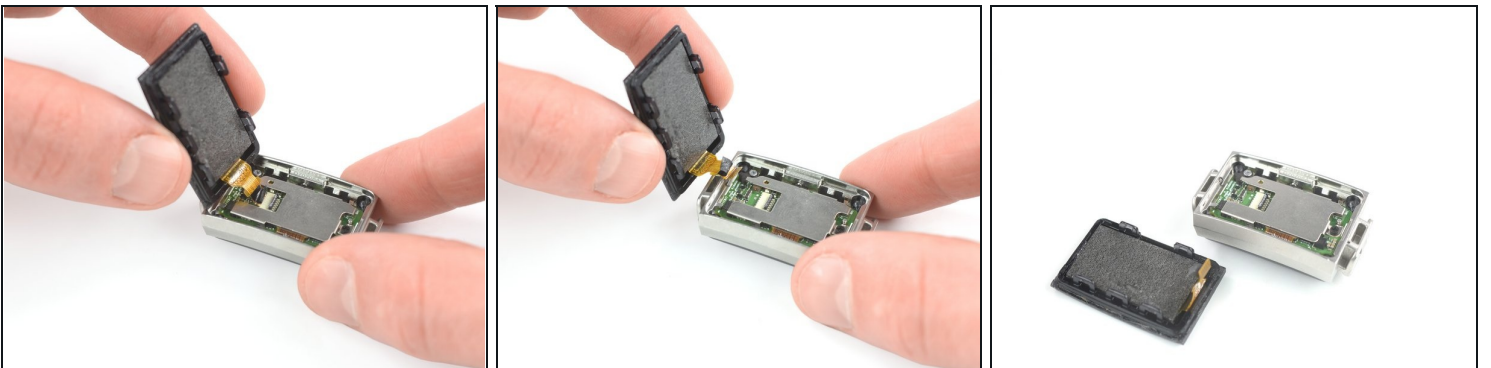
- Use a pair of blunt nosed [tweezers](#) to remove the black sticker which covering the touch screen connector.

## Step 12 — Open the ZIF connector



- Use the pointed end of a spudger to open the ZIF connector by pushing up the black flap.

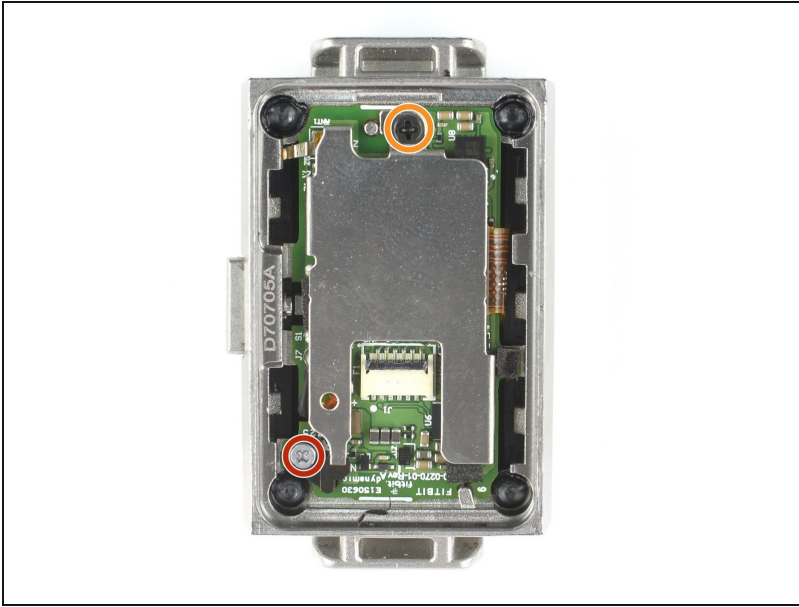
## Step 13 — Remove the touch screen assembly



- Pull the touch screen flex cable straight out its socket.
- Remove the touch screen assembly.



## Step 14 — Unfasten the screws



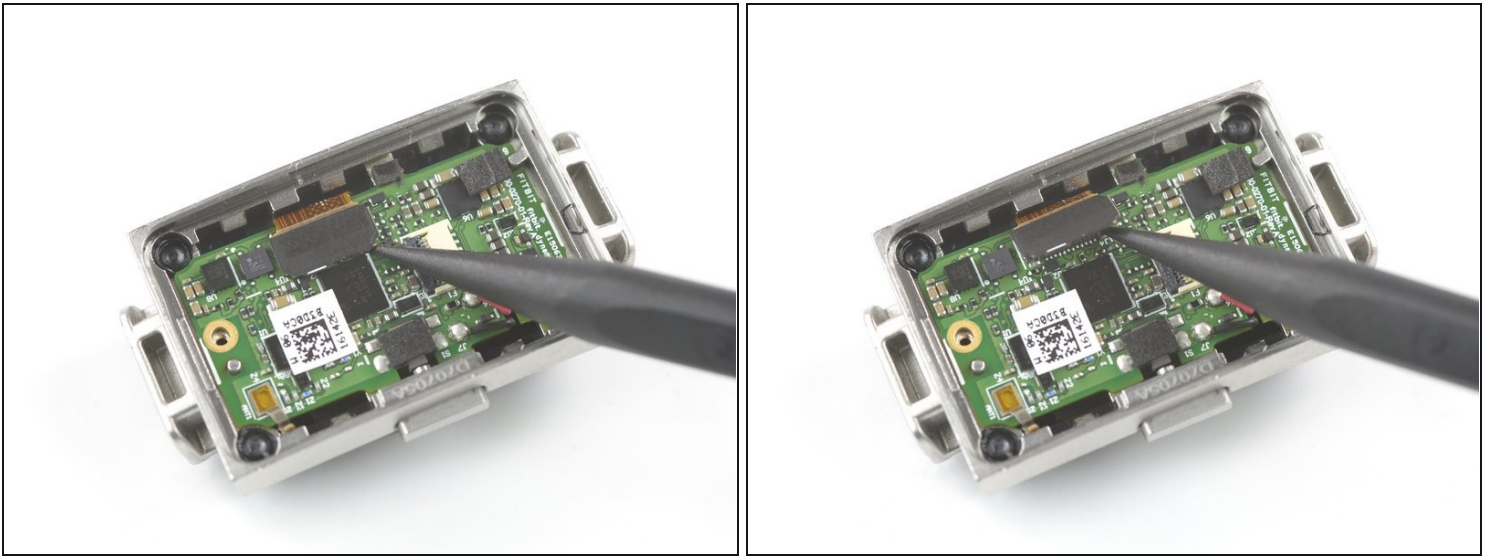
- Remove the two Phillips screws securing the motherboard cover:
  - One 2.5 mm screw
  - One 2.8 mm screw

## Step 15 — Remove the motherboard shield



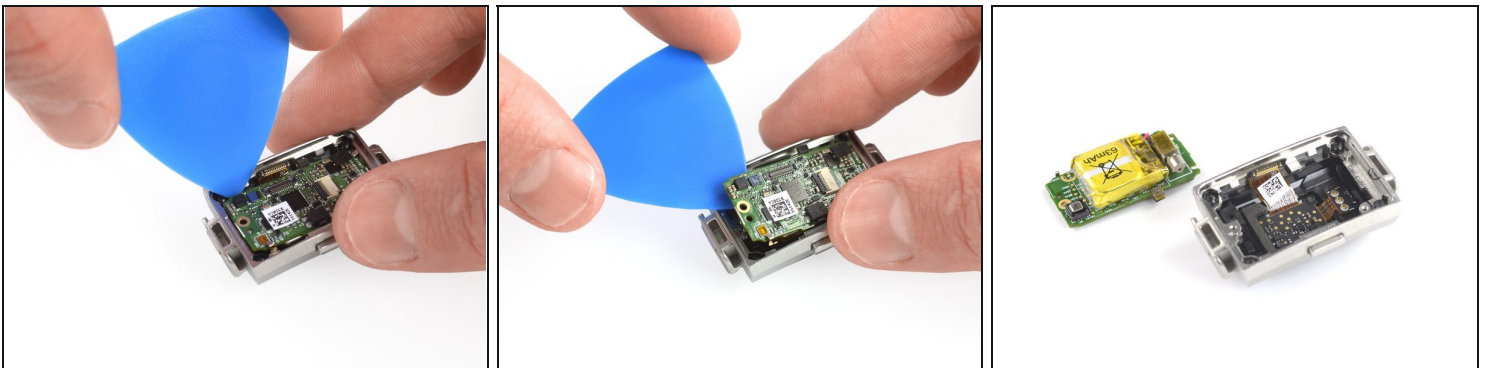
- Use a pair of blunt nose [tweezers](#) to remove the motherboard shield.

## Step 16 — Disconnect the heart rate monitor sensor



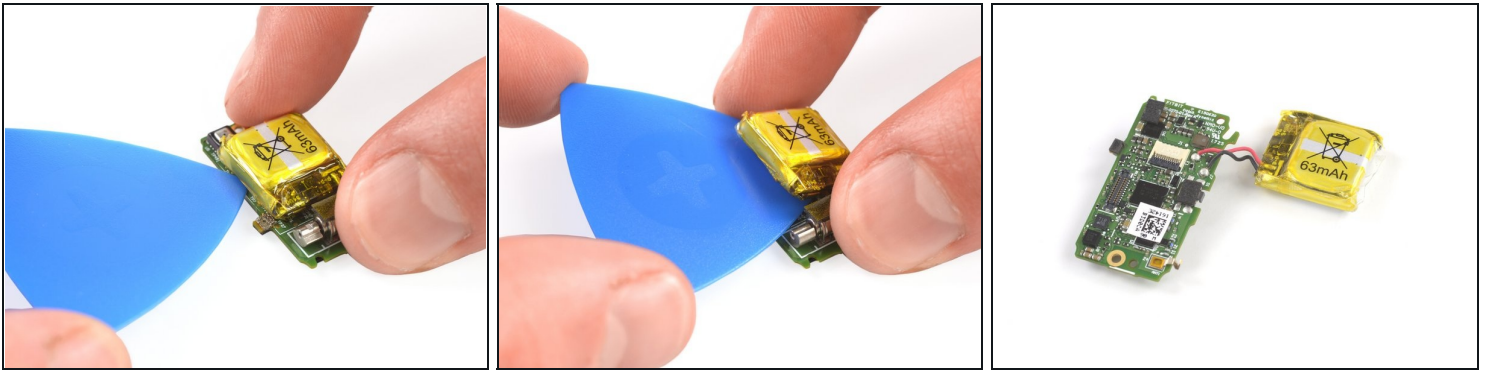
- Use the pointed end of a spudger to pry up and disconnect the heart rate monitor sensor flex cable.

## Step 17 — Remove the motherboard



- Use an opening pick to pry up and remove the motherboard which is holding the battery.

## Step 18 — Separate the battery from the motherboard



ⓘ The battery is mildly glued to the motherboard.

- Slide an opening pick underneath the battery to cut the adhesive.

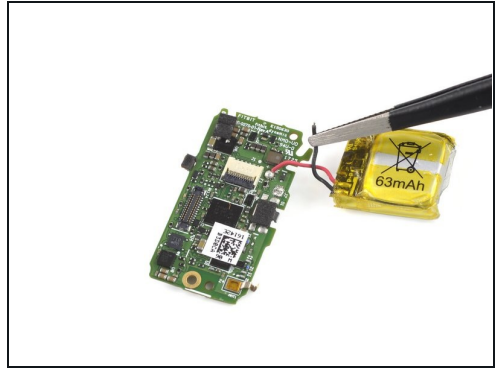
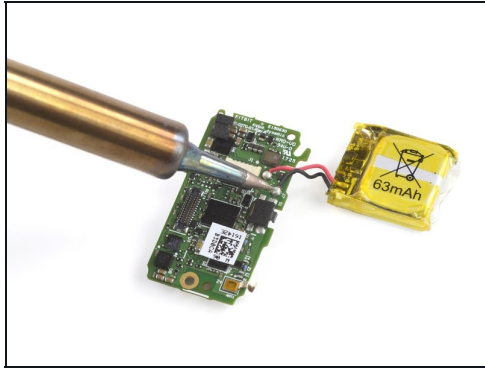
⚠ Don't try to remove the battery all the way yet! It's still connected to the motherboard.

## Step 19



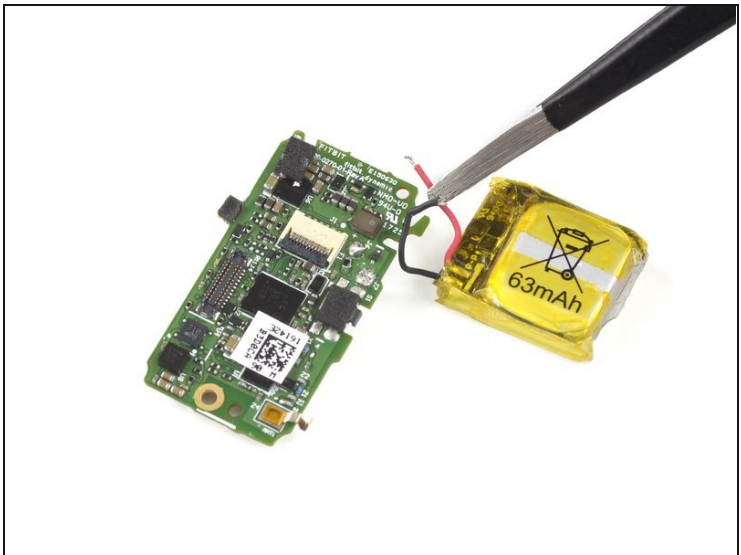
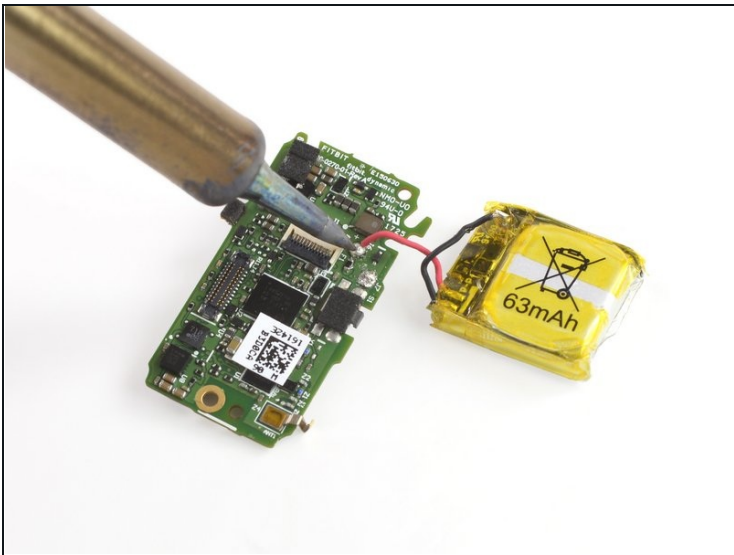
- The next steps require desoldering the two battery cables from the motherboard.
  - ★ Use this picture as reference for resoldering during re-assembly or make your own photo if the cable order differs in your model.

## Step 20



- Use a soldering iron to desolder the first battery cable from the motherboard.

## Step 21



- Use a soldering iron to desolder the second battery cable from the motherboard.

## Step 22



- Remove the battery.

⚠ Do not reinstall a damaged or deformed battery, as doing so is a potential safety hazard. Replace it with a new battery.

- ★ Make sure the battery cables are long enough to solder them onto the motherboard before installing new adhesive to the battery.

Secure the new battery with pre-cut adhesive or double-sided adhesive tape. In order to position it correctly, apply the new adhesive into the device at the places where the old adhesive was located, not directly onto the battery. Press the new battery firmly into place.

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

For optimal performance, **calibrate your newly installed battery**: Charge it to 100% and keep charging it for at least 2 more hours. Then use your device until it shuts off due to low battery. Finally, charge it uninterrupted to 100%.

Take your e-waste to an [R2 or e-Stewards certified recycler](#).

Repair didn't go as planned? Try some [basic troubleshooting](#), or ask our [Answers community](#) for help.