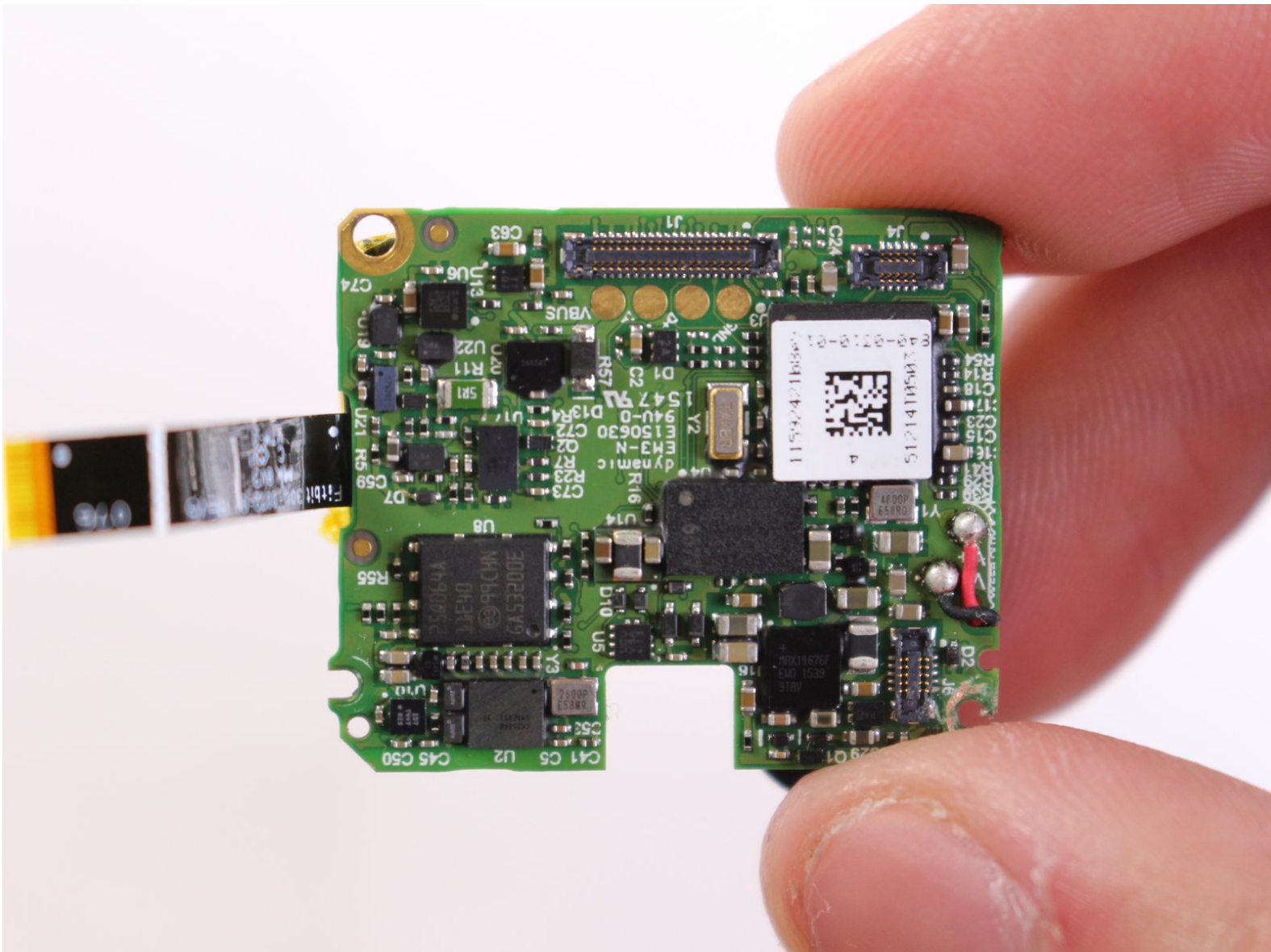




Fitbit Blaze Motherboard Replacement

Do you need to replace your damaged or short-circuited motherboard on your Fitbit Blaze?

Written By: Adrian Borrego



INTRODUCTION

This guide will help you step by step in replacing your damaged motherboard. **Note** soldering will be required, please follow this wonderful guide for helpful tips. [Soldering Connectors](#)

TOOLS:

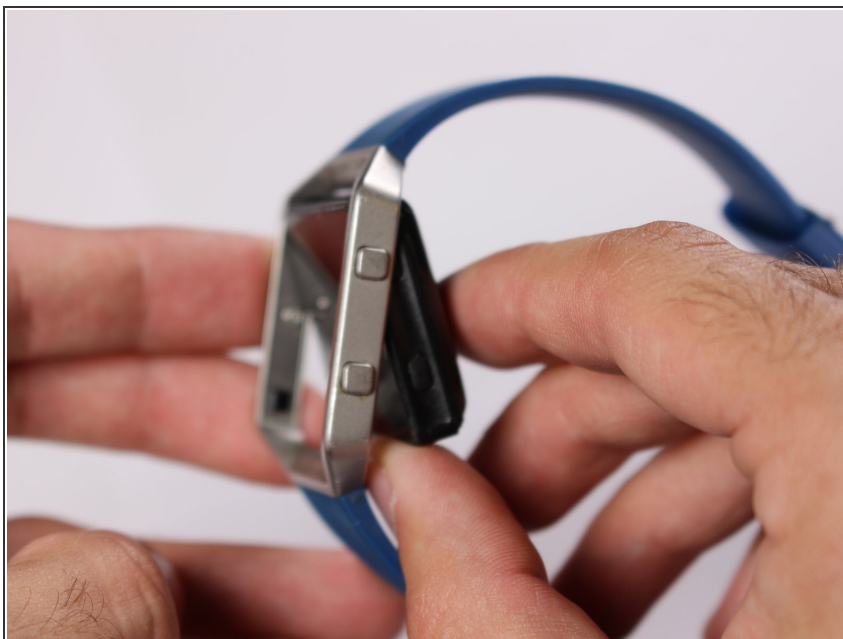
- [Metal Spudger](#) (1)
 - [Phillips PH000 Screwdriver](#) (1)
 - [T3 Torx Screwdriver](#) (1)
 - [iFixit Opening Tools](#) (1)
-

Step 1 — Wristband



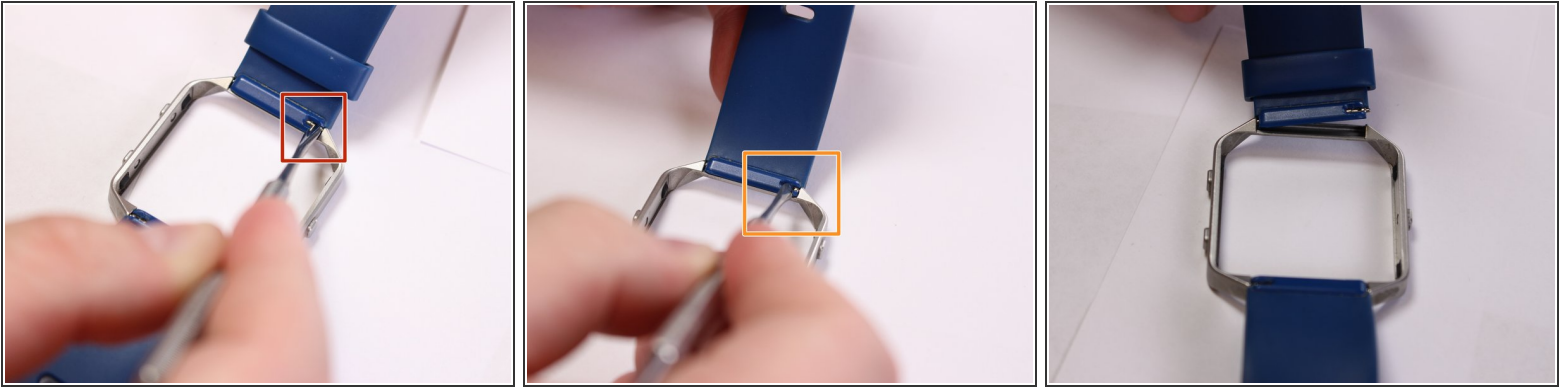
- Locate the front LCD screen on your device.
 - ❗ Fitbit logo should appear in the bottom center of the screen.

Step 2



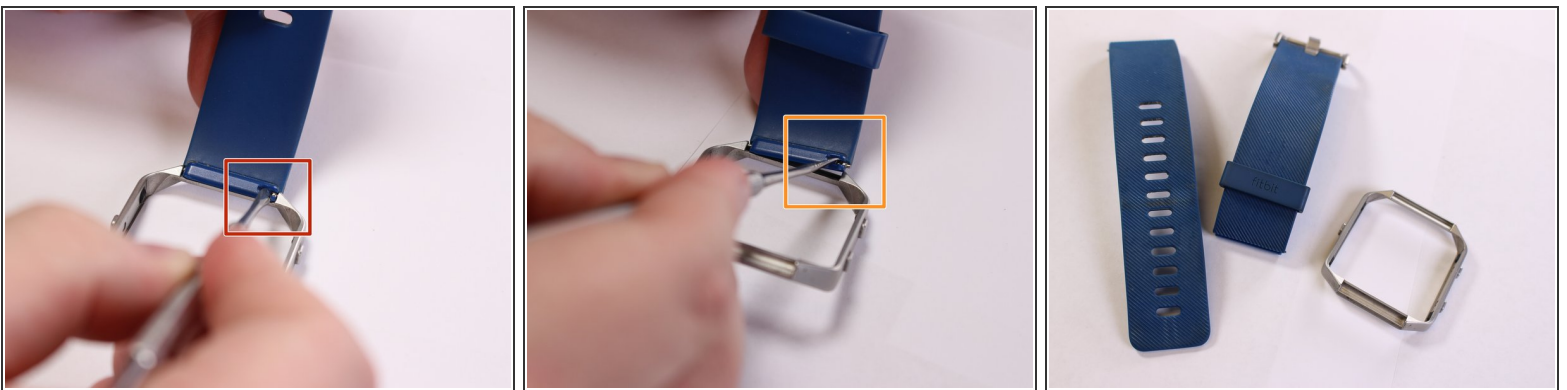
- Push the screen out through the back of the metal ring enclosure.
 - ⚠ Use a small amount of force on screen to prevent damage. Use other hand to catch screen.

Step 3



- Locate the metal pin behind the wristband located on the edge of metal ring.
- Insert the pointed end of the metal spudger into the pin hold and push it into the blue rectangle enclosure.
- ⚠ Use a small amount of force to avoid damaging the pins.
- Remove wristband.

Step 4 — Display Frame



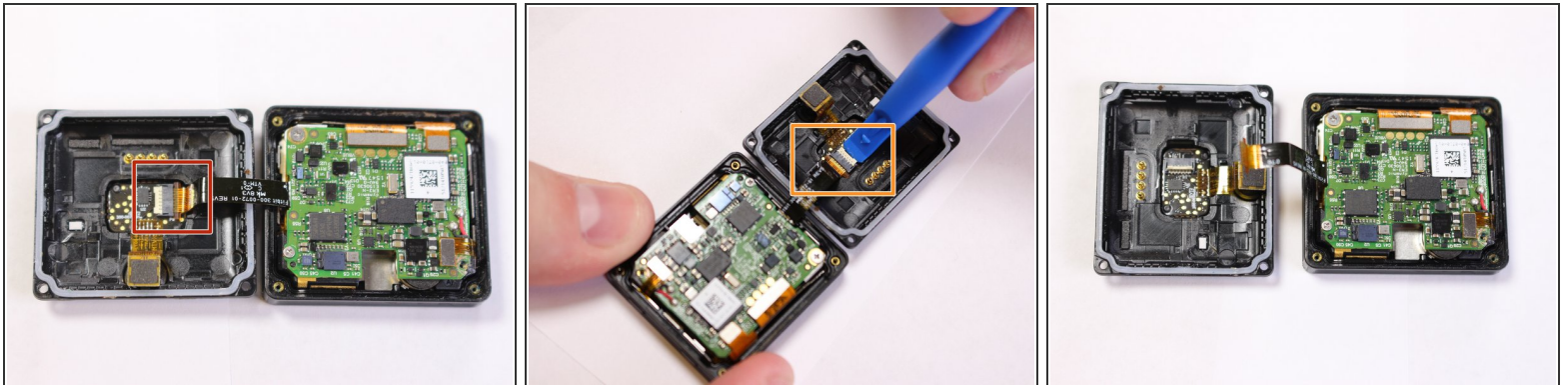
- Locate the pin behind the second wristband located on the edge of metal ring.
- Insert the pointed end of the metal spudger into the pin hold and push it into opposite direction.
- ⚠ Use a small amount of force to avoid damaging the pins.
- Remove wristband.

Step 5 — Motherboard



- Place device screen face down and locate the four screws attaching the back cover.
- Use a T3 torx head or T3 torx screwdriver to remove the four screws.

Step 6



- Grab the back, lift and open like a book to expose the motherboard. Locate the ribbon connector on the left.
 - Use a plastic spudger tool on the ribbon connected from the heart rate monitor to the motherboard.
 - Insert and lift the plastic connector to release the ribbon.
- ⚠ Only a small force when lifting the plastic connector is needed to avoid damage.

Step 7



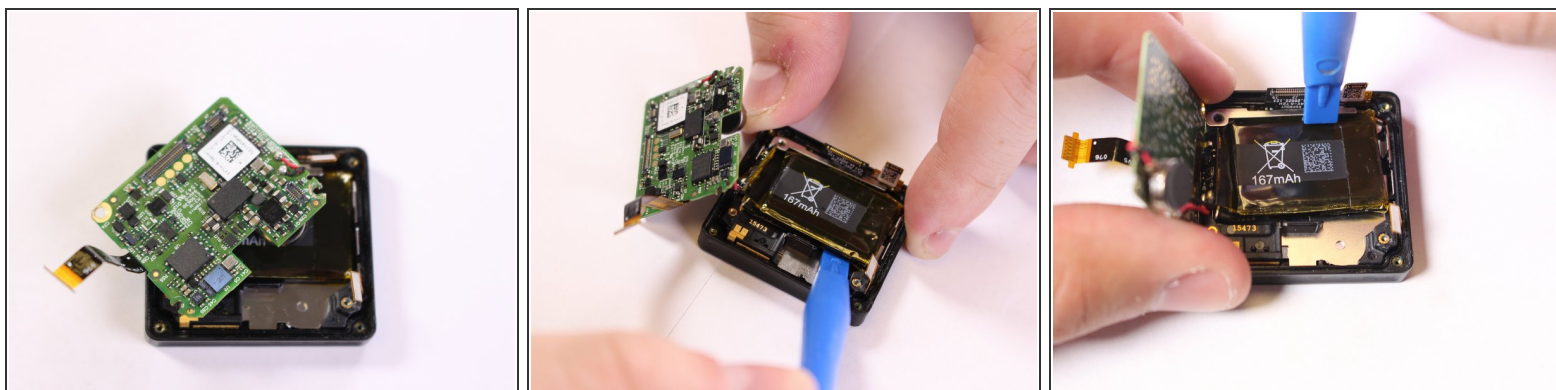
- Separate the back and set aside, locate the three screws attaching the motherboard.
- Use a PH000 head or a PH000 screwdriver to remove the three screws.

Step 8



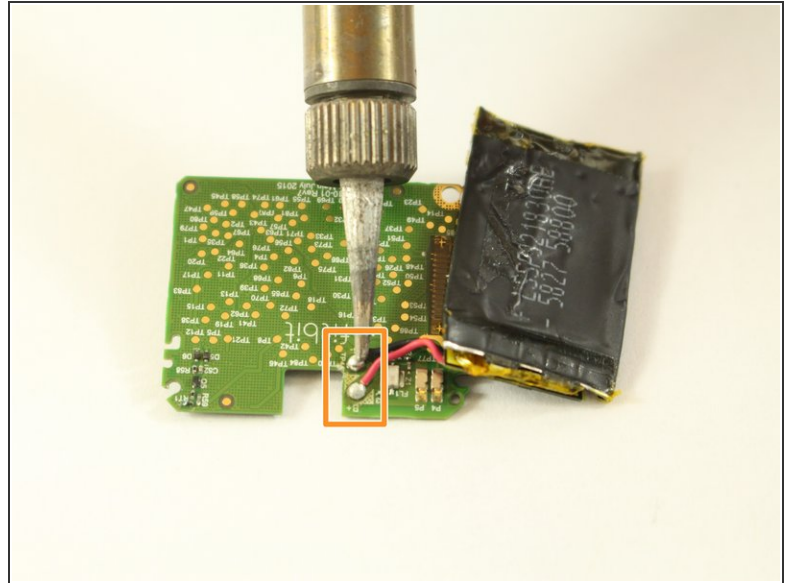
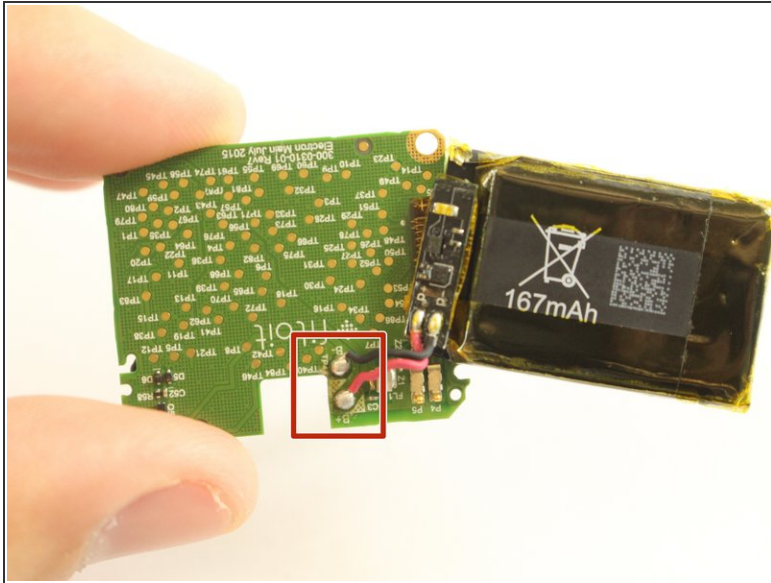
- Use a plastic spudger tool on the ribbons connected to the motherboard.
- Insert the tool under the ribbon and lift to release the connection.
- ⚠ Only a small force when lifting the plastic connector is needed to avoid damage.

Step 9



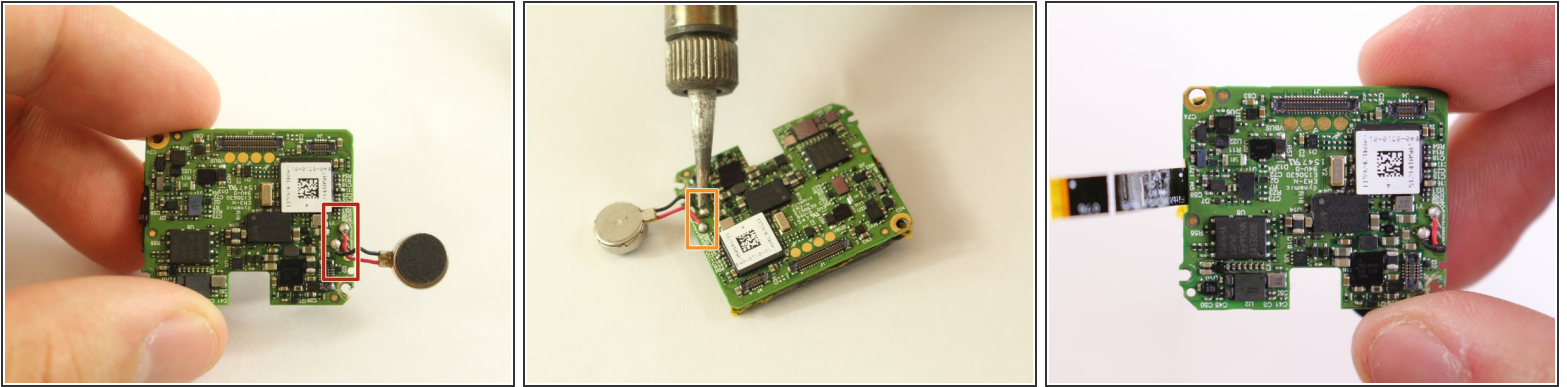
- Lift and push the motherboard to the side to uncover the 167mAh battery.
- Use a plastic spudger tool to pry out the battery from its adhesive plastic underneath.
- Lift up and pull downward to remove battery. Switch to the top portion of the battery and push downward to pry out battery.

Step 10



- Flip the motherboard to locate the metal pins from the battery soldered to the board.
 - Desolder the connection to remove the battery component.
 - Follow this guide on how to solder and desolder connectors [Soldering Guide](#)
- ⚠ Excessive heat will damage the components, so do not apply the soldering iron to the component for long amounts of time.

Step 11



- Flip the motherboard back to the front to locate the metal pins from the vibration motor soldered to the board.
 - Desolder the connection to remove the motor component.
 - Follow this guide on how to solder and desolder connectors [Soldering Guide](#)
- ⚠ Excessive heat will damage the components, so do not apply the soldering iron to the component for long amounts of time.

To reassemble your device, follow these instructions in reverse order. This replacement requires resoldering the battery and vibration motor onto the motherboard.