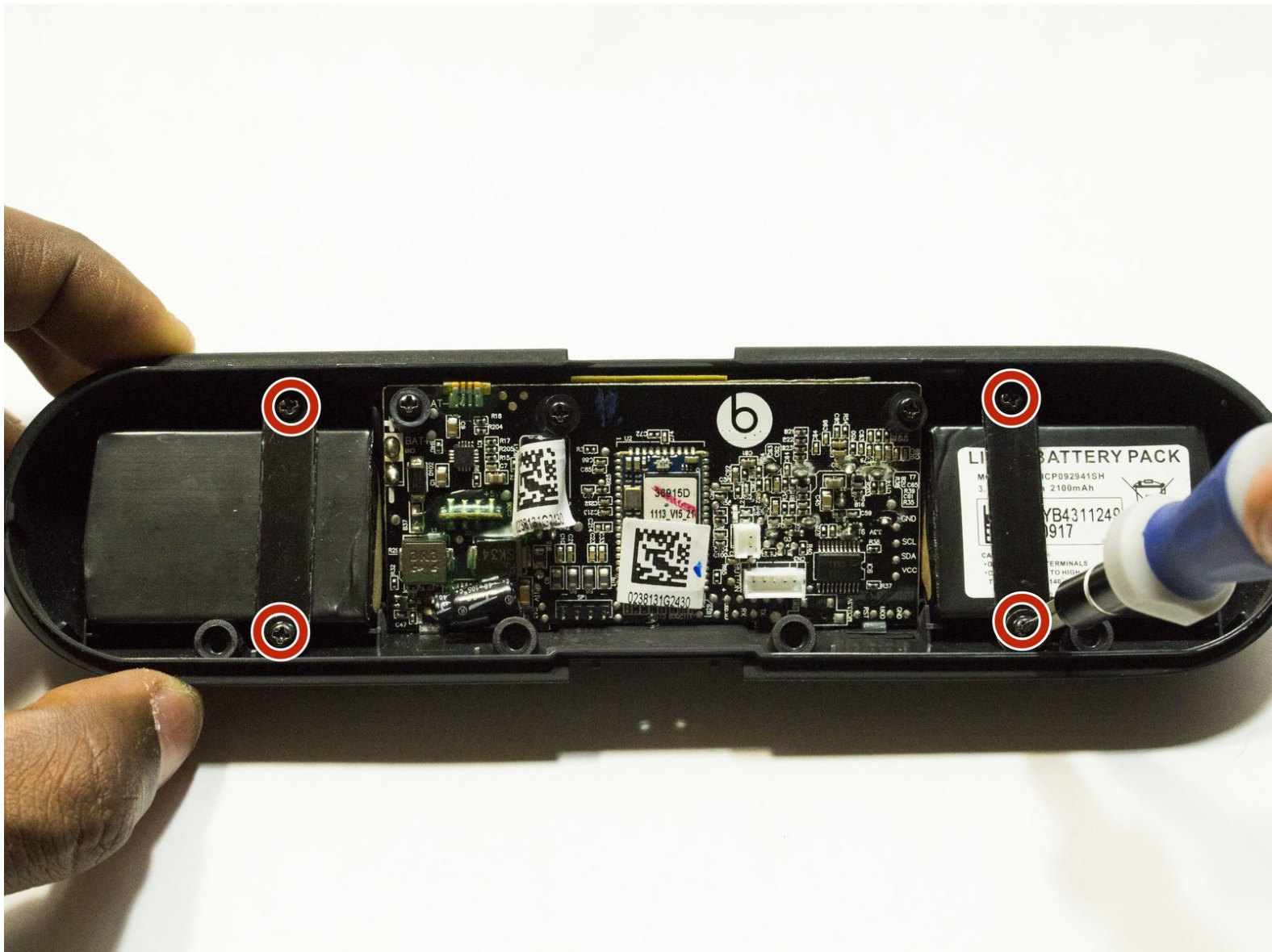




Beats Pill 1.0 Motherboard Replacement

This guide will explain how to replace the motherboard of the Beats Pill 1.0.

Written By: Thomas Netherton



INTRODUCTION

This guide will explain how to remove and replace the speakers on the Beats Pill 1.0. This will require almost complete disassembly of the device.

TOOLS:

- [Phillips #0 Screwdriver](#) (1)
 - [Tweezers](#) (1)
 - [Wire Stripper](#) (1)
 - [Soldering Iron](#) (1)
 - [Spudger](#) (1)
-

Step 1 — Removing the Case Screws



- Using the spudger, create space between the speaker covers and then remove.
- On the underside of the device, remove the rubber stand with the BeatsPill logo on it.
- Using a Philips #0 Screwdriver that is ESD-safe. Remove the four screws that were underneath the rubber stand.

Step 2 — Removing Center Cover



- Remove the two Philips #0 screws with the ESD-safe screwdriver.
- Slowly remove the center band and 2 clip rings until the adhesive separates as to prevent damage.

Step 3 — Separate the Device



- Using the spudger, starting in the middle, pry the device apart along it's seam as circled in pink.
- Open the device to separate the two main bodies of the device. The device should look as picture above.

Step 4 — Disconnect Speaker Wiring

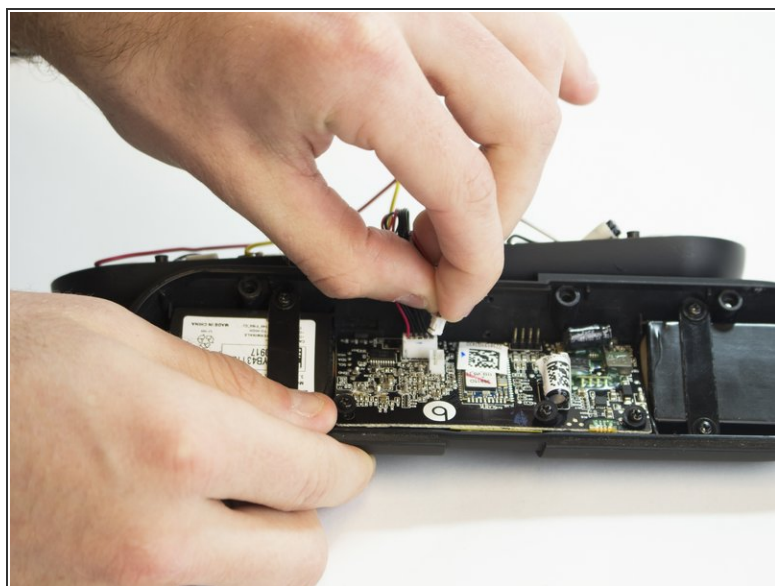
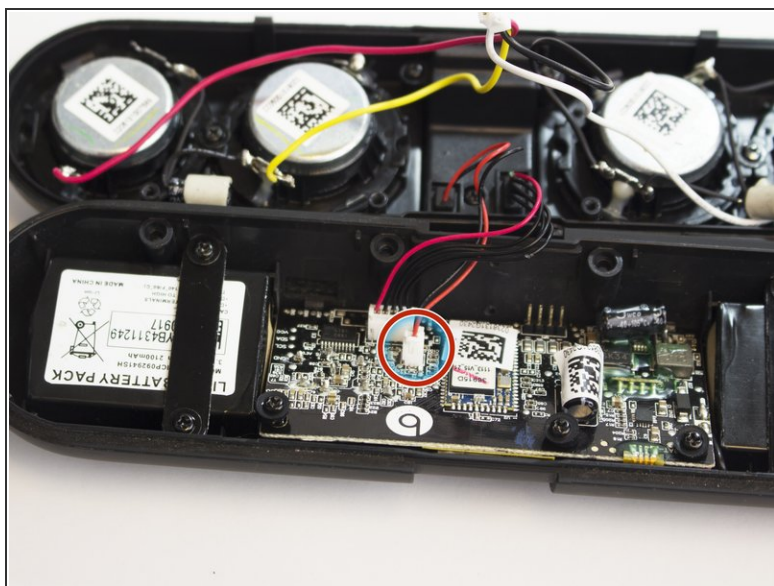


- Remove the speaker wire(yellow, red, black, white) from the mother board.



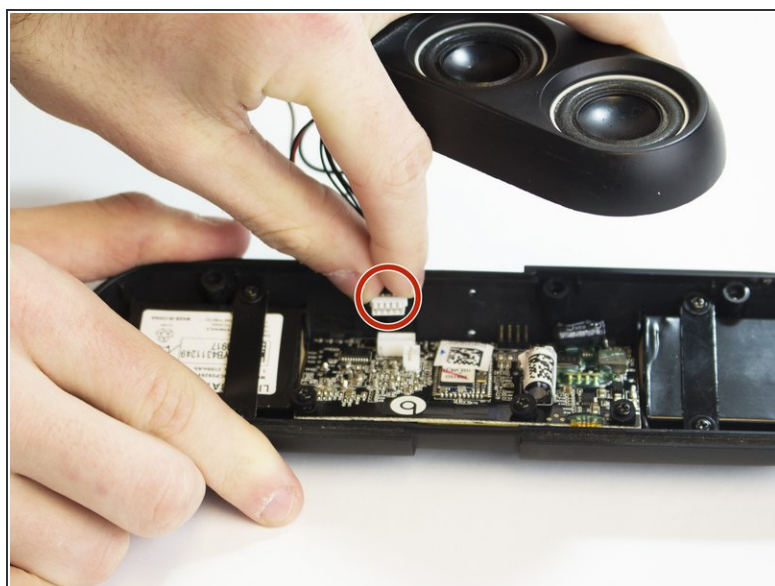
Ground yourself when touching the motherboard

Step 5 — Disconnect NFC Sensor Wiring



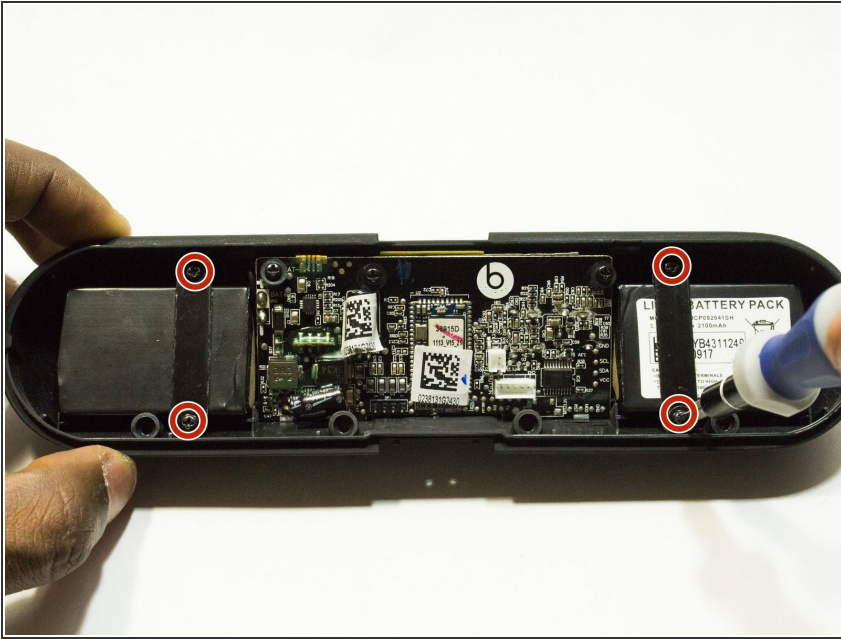
- Carefully remove the NFC sensor wire (black, red)

Step 6 — Disconnect Control Wiring



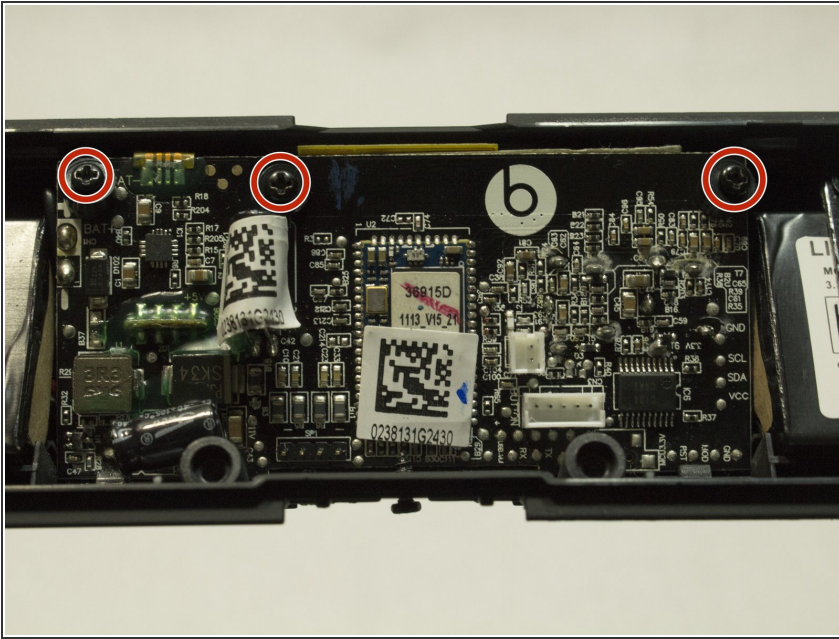
- Carefully remove the control cable(4 black, 1 red)

Step 7 — Motherboard



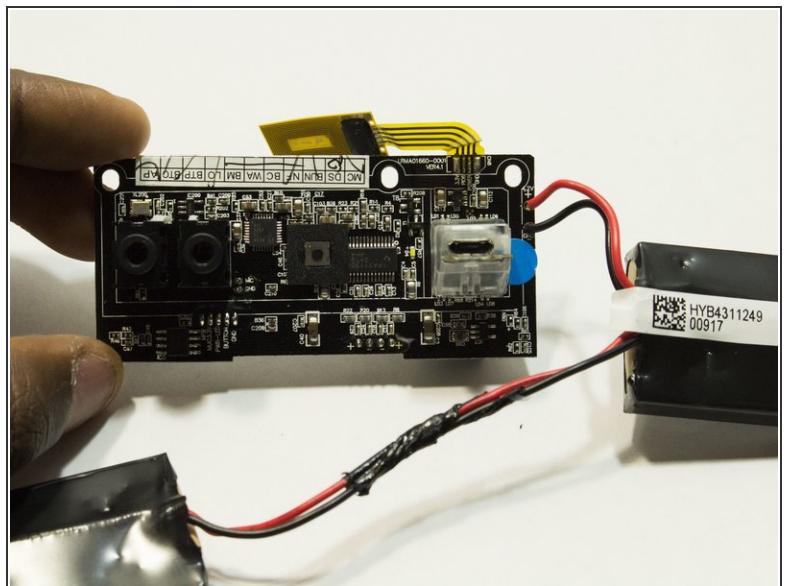
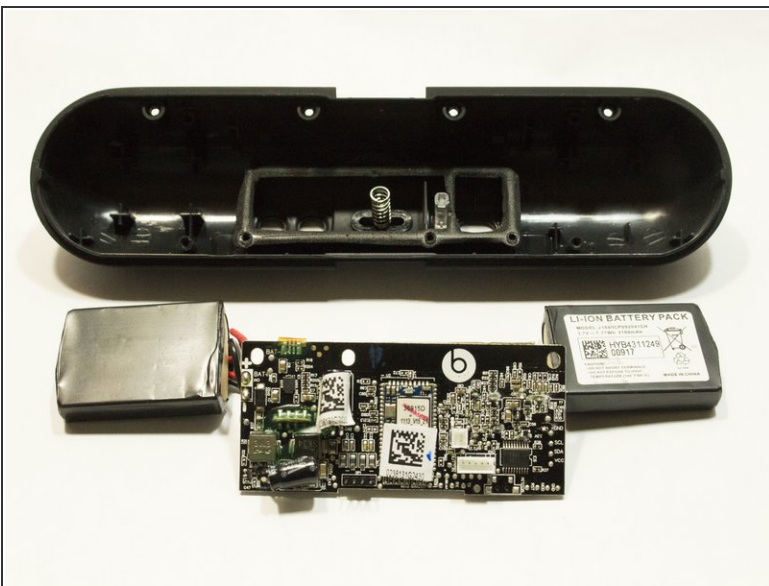
- Using a PH0 or PH00 bit head unscrew the four (diameter = .072 in, length = .239 in) screws holding the band holding the battery in place.

Step 8



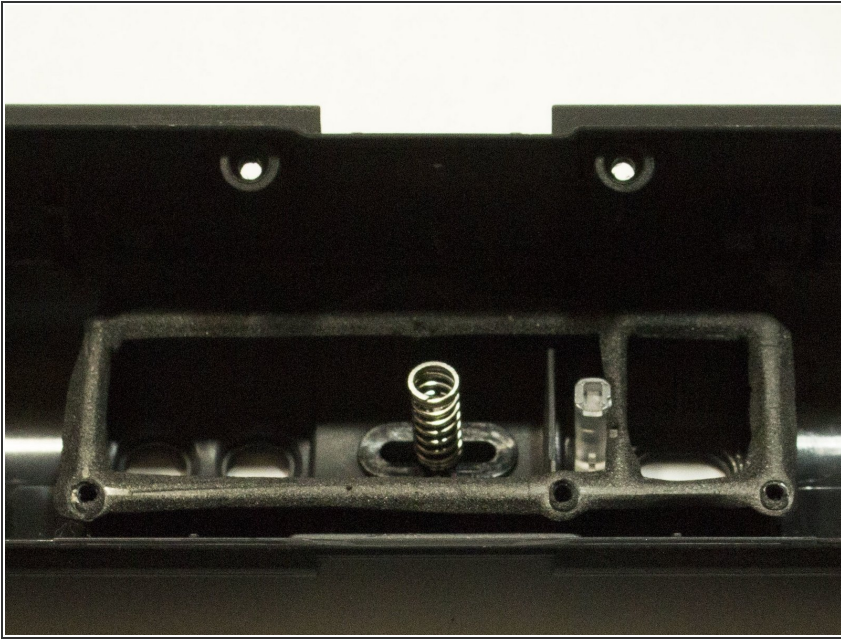
- Using the same bit size remove the three screws (diameter = .072 in, length = .354 in) for the motherboard and rubber stopper attached to the screw.

Step 9



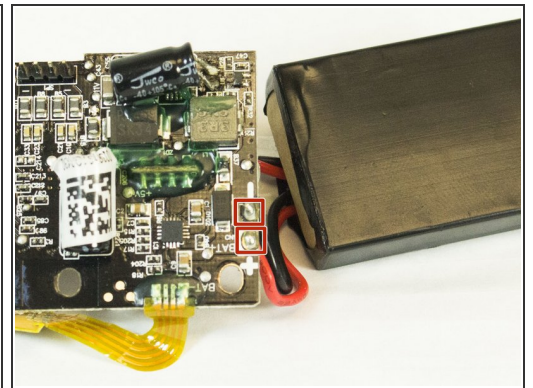
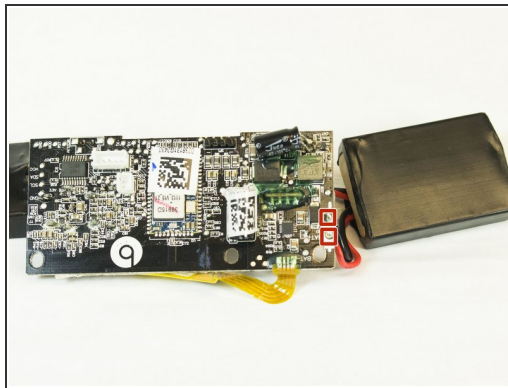
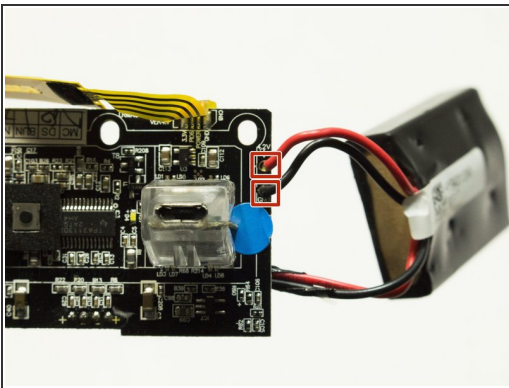
- Remove the motherboard from the tabs and gently lift it out of the case. Remove the yellow NFC module that is attached to the motherboard from the plastic casing with tweezers.

Step 10



- Remove power button and springs.

Step 11



- Using a wire stripper cut the red and black wires attached to the motherboard.

Step 12



- Using a soldering iron attach the battery to the new motherboard with the red wire connecting to the 0.2 volts (+) and black wire connecting to the ground (-). Please refer to our [soldering guide](#) for more information.

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