



Justin Bieber Concert Microphone Printed Circuit Board (PCB) Replacement

A printed circuit board (PCB) mechanically...

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INTRODUCTION

A printed circuit board (PCB) mechanically supports and electronically connects electronic components using conductive tracks made of copper laminated onto a non-conductive plastic. The PCB reduces the amount of wires in a device and inherently makes any device more reliable. The step by step instructions will describe how to troubleshoot your PCB.

TOOLS:

[Phillips #2 Screwdriver](#) (1)

[6-in-1 Screwdriver](#) (1)

[Soldering Iron 60w Hakko 503F](#) (1)

Step 1 — Removing back panel



- Remove the back panel of the device by unscrewing the single #8 [1.6 mm Flathead](#) screw on the back of the device.

Step 2 — Removing batteries



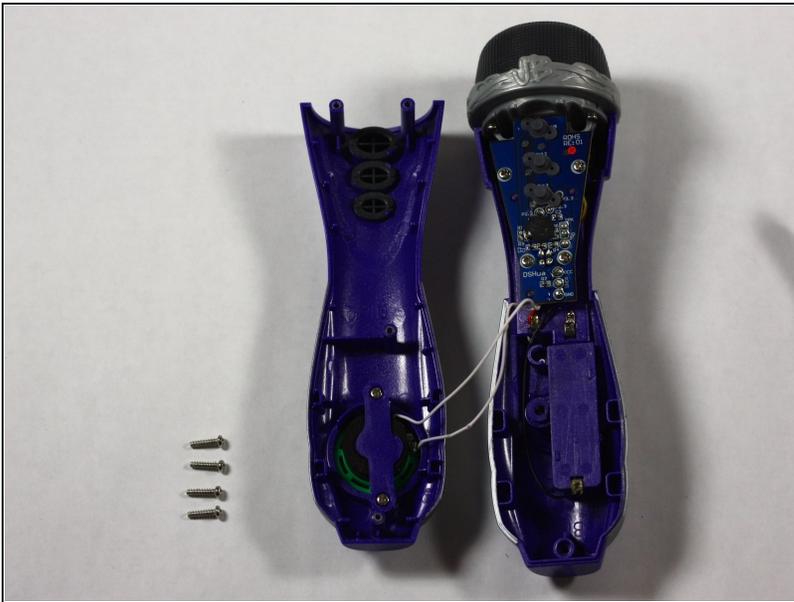
- Remove the 3 AAA batteries from the device.

Step 3 — Removing back half of device



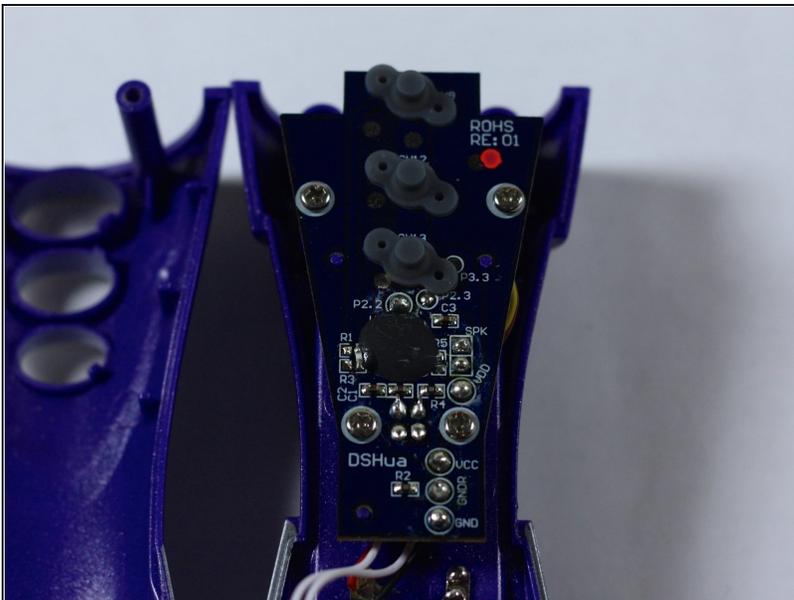
- Unscrew the other 4, #8 11.6 mm Phillips Head screws to remove the entire back half of the device.
- Pull apart the device once screws are loose, splitting the device in half.

Step 4 — Positioning device



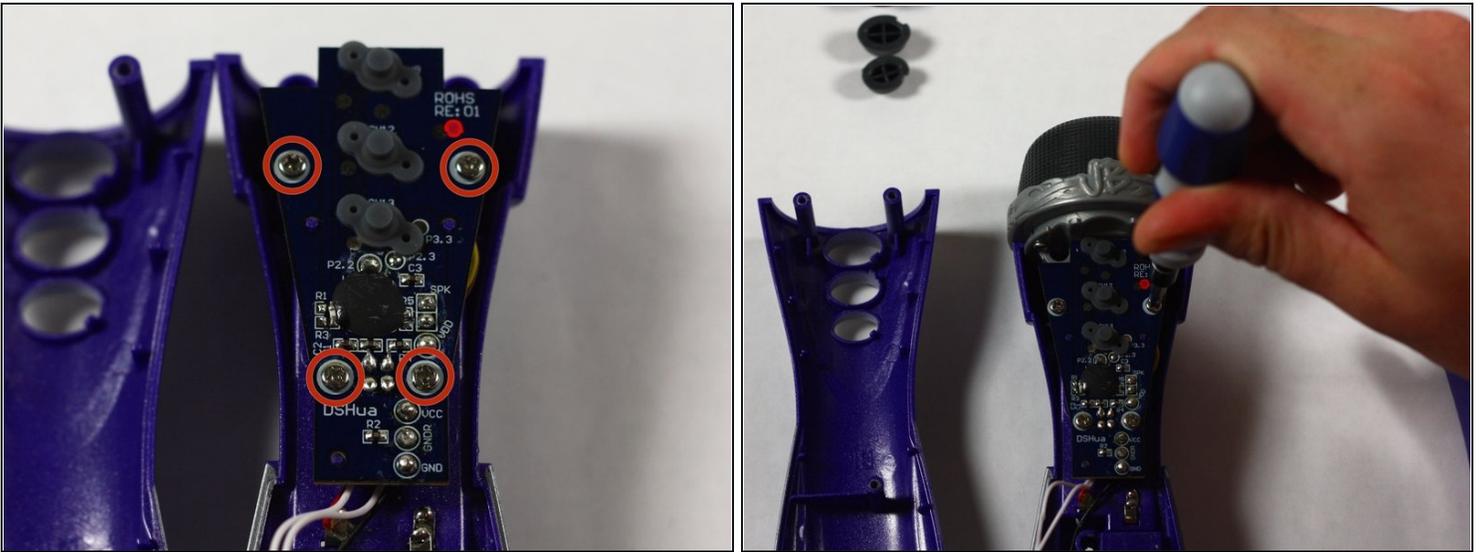
- Keeping all wires connected to their attachments, place the front half of the device face down.

Step 5 — Inspecting PCB



- Inspect the printed circuit board for any breaks or cracks.

Step 6 — Removing PCB



- Remove the 2, #8 11.7 mm Phillips Head screws as well as the 2, #8 7.5 mm screws on the printed circuit board.

Step 7 — Replacing PCB



- Disconnect all wires from the PCB
- Remove the damaged PCB from the microphone
- Place new PCB in the Justin Bieber Concert Microphone.
- Connect all the wires to the new PCB using [this](#) soldering guide.

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