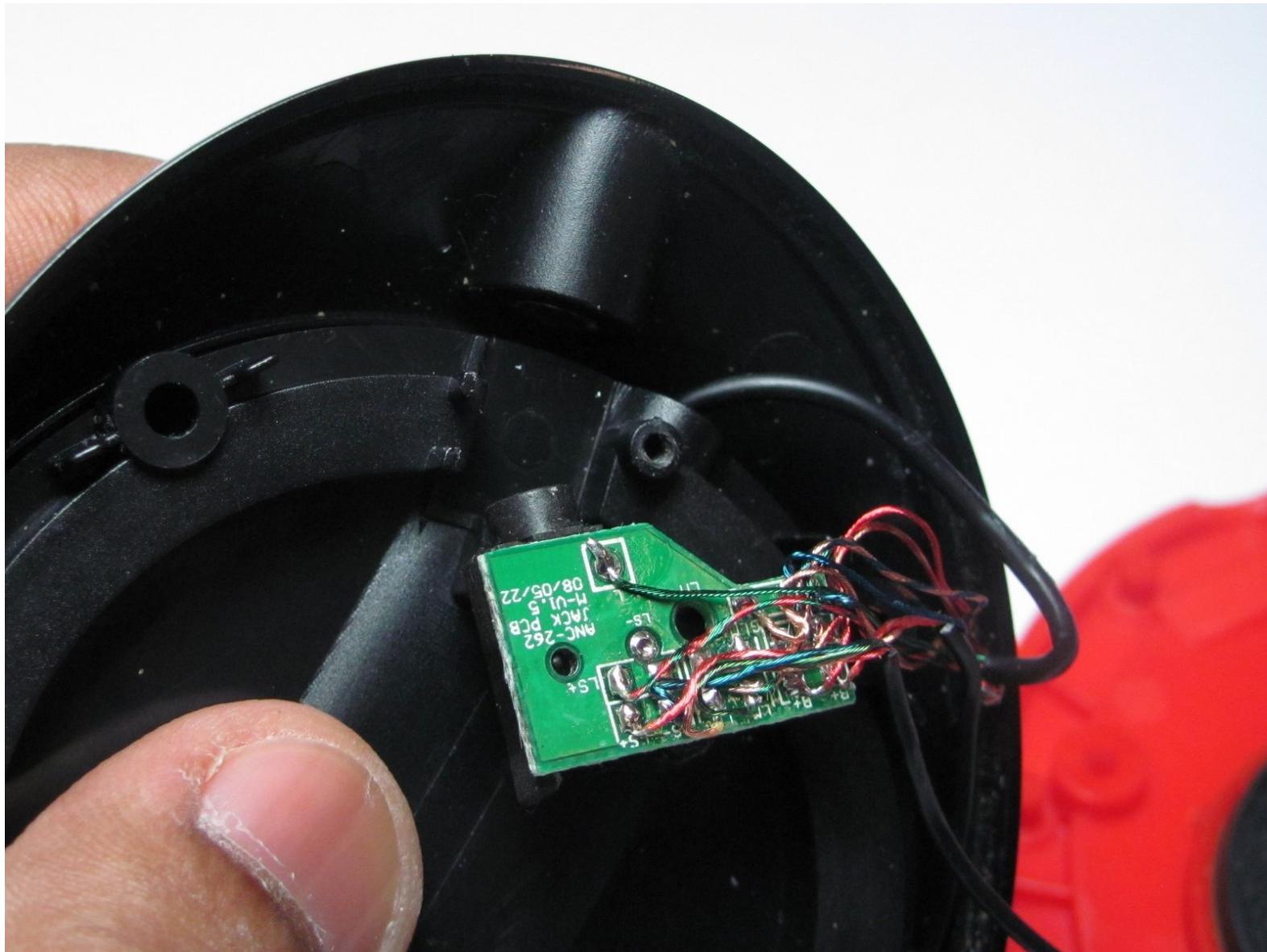




# Beats Studio First Generation Headphone Jack Replacement

Disassemble your first generation Beats Studios so that you can repair or replace the headphone jack.

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This document was generated on 2019-09-18 03:36:01 PM (MST).

## INTRODUCTION

Use this guide to access the headphone jack and check soldered connections. If you are planning to follow this replacement guide, you should have identified the headphone jack as a source of a problem (or maybe you just want to see the guts of your Beats Studios).

### TOOLS:

- [Phillips #00 Screwdriver](#) (1)
- [Phillips #0 Screwdriver](#) (1)
- [T5 Torx Screwdriver](#) (1)
- [iFixit Opening Tools](#) (1)
- [Tweezers](#) (1)

## Step 1 — Removing the outer headband screws.



- Using the T5 Torx screwdriver, remove the black screws on both sides of the outside of the headband.
- 4 (2 per side) Torx type T5, 3.5mm long screws.

## Step 2 — Removing the plastic hinge guards.



- Use the plastic opening tool to **gently** pry the black plastic hinge piece directly away from the headband as shown.

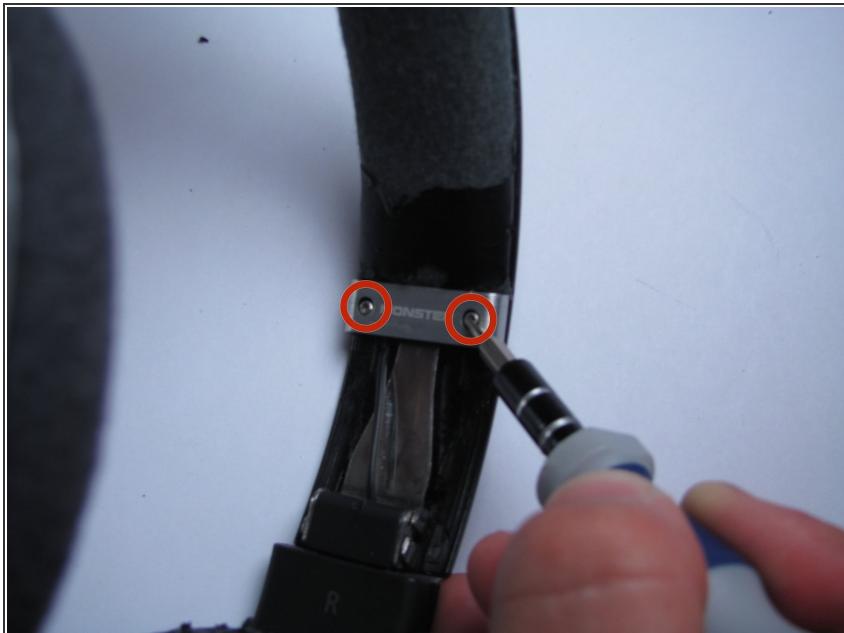
## Step 3 — Removing the hinge pins.



- Remove the small metal hinges from their housings. There are a total of 4 hinges, two per side of the headphones.

**⚠** The hinge pins may slide out upon removal of the black hinge piece from the previous step. Be careful not to lose the hinge pins.

## Step 4 — Removing the metal bands.



- Using a T5 Torx screwdriver, remove the silver screws from the silver segment of the headband.
- 4 (2 per side) Torx type T5, 4.0mm long screws.

## Step 5 — Removing the headband cushion.



- Using the plastic opening tool, **gently** pry the headband cushion directly away from the plastic portion of the headband as shown. Pry the plastic portion a small amount and then move the opening tool sideways along on the headband. Repeat on both sides until the cushion separates from the top plastic part of the headband.

## Step 6 — Removing the metal headband support.



- Carefully remove the metal band from each of the hinge housings on each side. These should come off quite easily, provided that you have removed the hinges as instructed in step 3.
- Congratulations, you have completely removed the headband! This will allow for ease of accessibility to the speakers should you choose to delve further into the depths of your headphones.

⚠ The black wire connecting the two speakers is somewhat fragile! Check that it isn't frayed. If it is frayed, consider repairing it with some electrical tape, splicing it, or replacing it.

## Step 7 — Removing the ear cushion.



- Pinch the ear cushion between your thumb and forefinger.
- ⚠ Be very careful when pulling off the ear cushion, as the material holding the cushion onto the plastic ring can rip easily.
- **Carefully** pull the cushion directly away from the earpiece.
- ⚠ The cushion will have a thin piece of foam inside of it that may fall out upon removal. Make sure to save this for reassembly.
- Repeat for the other ear cushion.

## Step 8 — Removing the plastic ring.

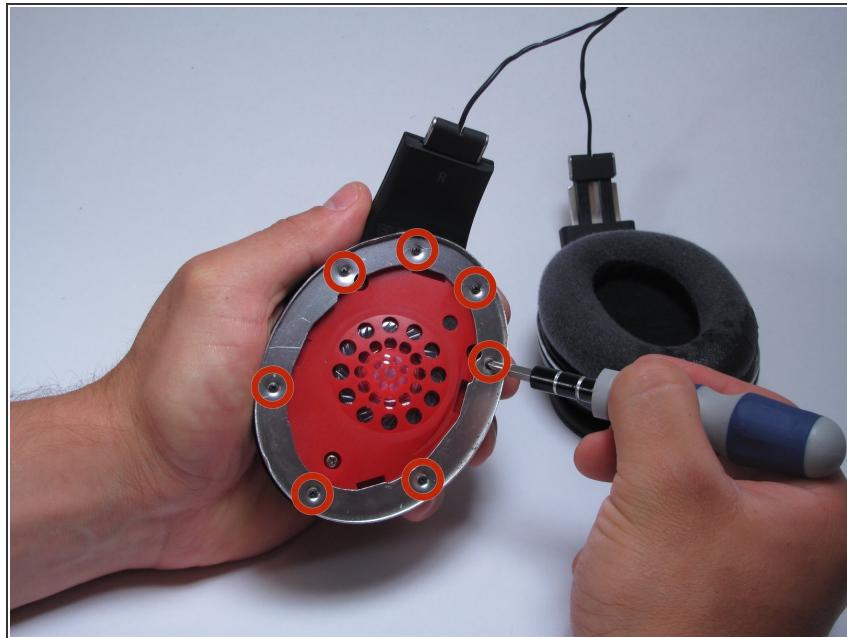


- Use the plastic opening tool to remove the black ring from the speaker. This will allow you to access the screws on the metal ring.
- Congratulations, you now have access to the rest of the speaker!

***(i) For reassembly, the black ring cannot snap back into the speaker the way it was disassembled. It must first go inside the black lip of the ear cushion. The black lip is located on the back side of the ear cushion. Please refer to the last two pictures on this step.***

- The black lip is located on the back side of the ear cushion.

## Step 9 — Removing the metal ring.



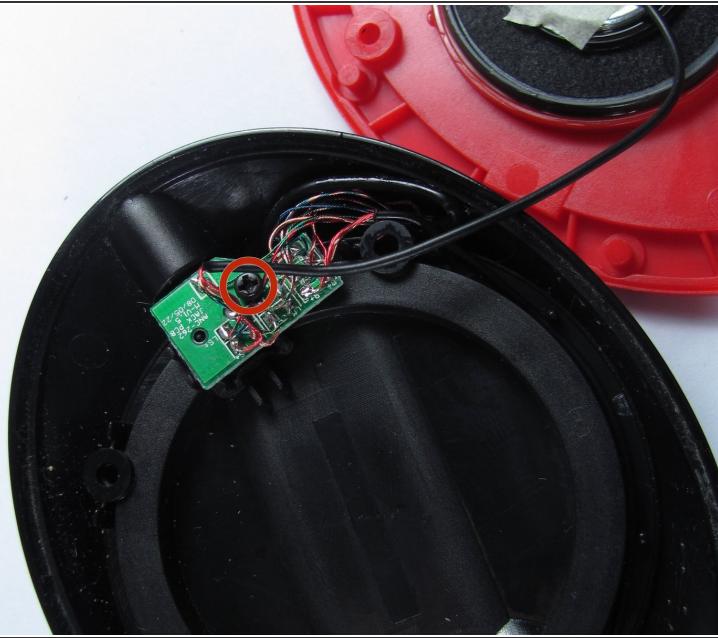
- Use a 00 Phillips head screwdriver to remove the screws holding down the metal ring.
- Set aside the metal ring.
- 7 Phillips type 00, 3.9mm long screws.

## Step 10 — Removing the speaker assembly.



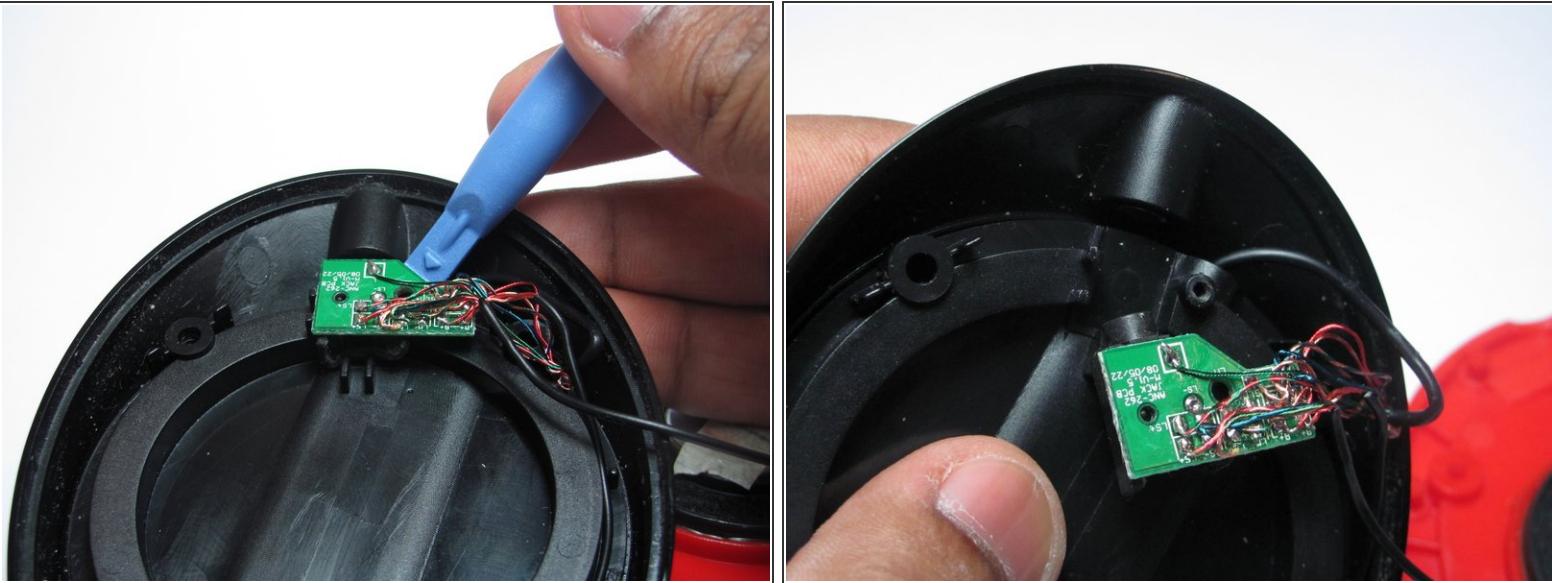
- Using the 0 Phillips head screwdriver, remove the 3 screws holding down the red speaker assembly.
- 3 Phillips type 0, 8.0mm long screws.

## Step 11 — Remove the PCB screw.



- Use the 00 screwdriver to remove the screw holding down the headphone jack PCB board.
- 1 Phillips type 00, 5.0mm long screw.

## Step 12 — Removing the headphone jack assembly.



- Use a plastic opening tool to **gently** pry the headphone jack and board up and out as shown.
- Inspect the wires and ensure that they are all appropriately attached and not shorted or frayed.
- If necessary, the board can be de-soldered and replaced with a new jack and board assembly.

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