



JBL Pulse 2 Motherboard Replacement

This guide will show you the steps necessary to replace the motherboard for the JBL Pulse 2.

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INTRODUCTION

If there is a sense of general unresponsiveness or faulty functionality in your JBL Pulse 2 speaker, you may need to replace the motherboard. Replacing the motherboard ensures that your device works at peak capacity.



TOOLS:

- [Metal Spudger](#) (1)
 - [Spudger](#) (1)
 - [Phillips #1 Screwdriver](#) (1)
 - [Tweezers](#) (1)
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Step 1 — Battery



- Remove the rubber rings from either end of the device.
- If there is difficulty in lifting the rings from the device, use the metal spudger.

Step 2



- Remove the four 4.8mm Phillips #1 screws from each end of the device with the Phillips head screwdriver.
- Lift the end pieces off of the device.

Step 3



- Remove the four 9.5mm Phillips #1 screws from each end of the device.

Step 4



- Peel one end off and slowly draw it across the length of the device until you get to the other side.

Step 5



- Remove the four 7.9mm Phillips #1 screws along the black centerpiece of the device between the camera and the auxiliary port.
- Lift up the casing and circuit board but do not try and remove the ribbon wires.

Step 6



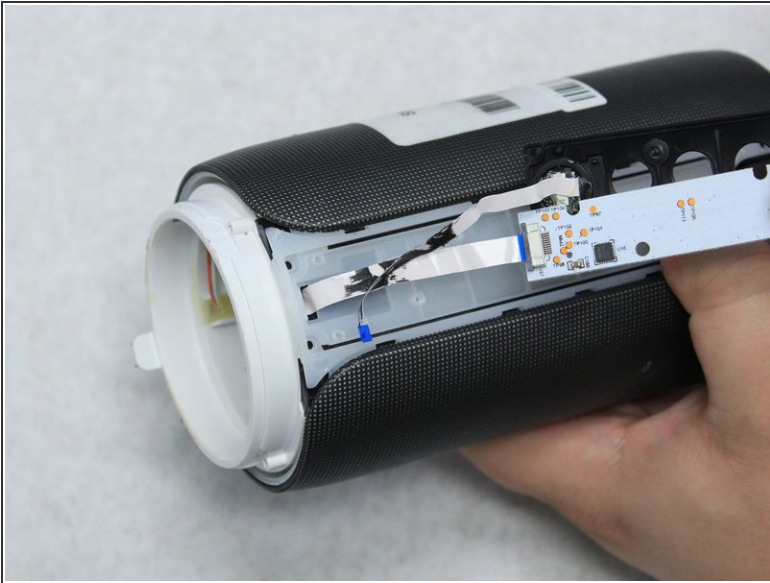
- Remove the cover from the end that the ribbon wires are attached to. It should peel off easily.

Step 7



- Unlatch the mechanism holding the ribbon wires in place, then disconnect them from the motherboard.
- To access the wires, remove some of the black glue holding them in place with the spudger.

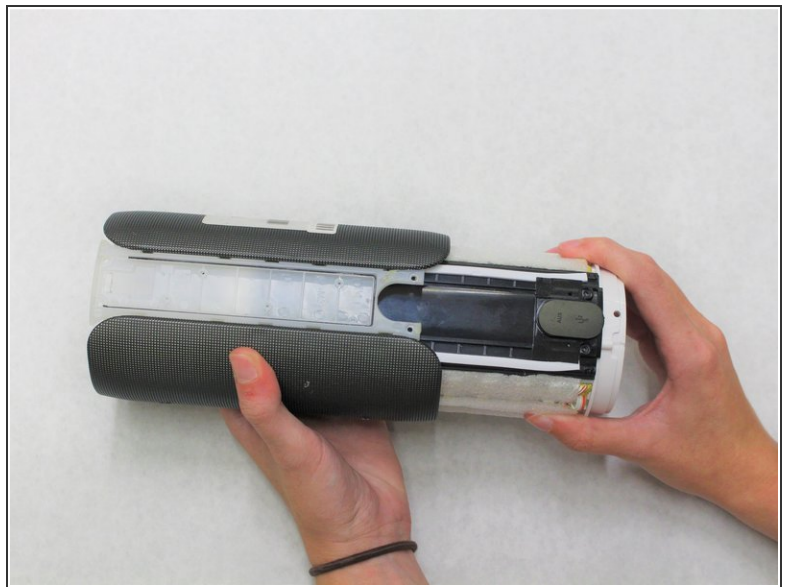
Step 8



- Slowly pull the ribbon wires out from the outside.

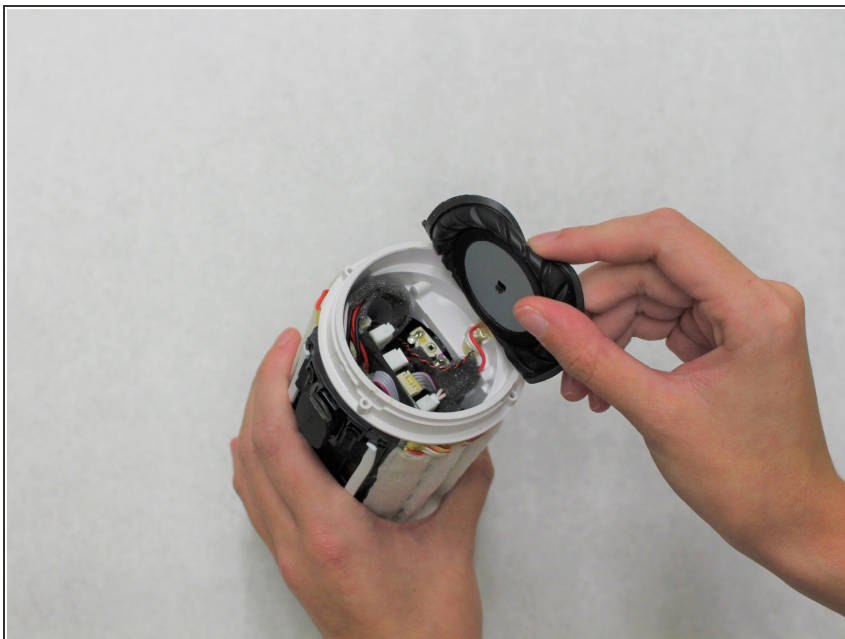
⚠ If there is too much resistance, remove more of the black glue.

Step 9



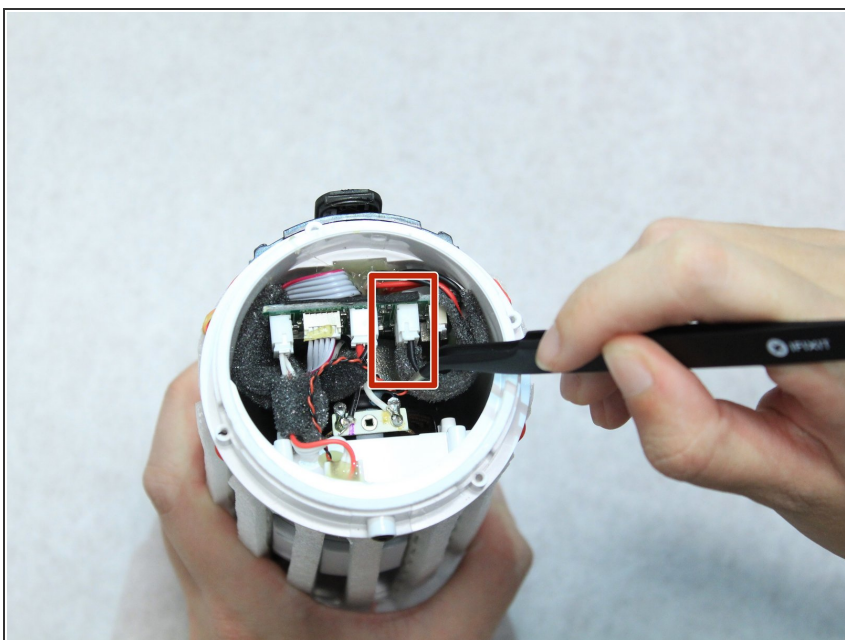
- Remove the four 7.9mm Phillips #1 screws around the edges of the center piece.
- Slide the outer casing off away from the auxiliary and micro USB port.

Step 10



- Remove the other end of the device to access the wiring underneath it.

Step 11



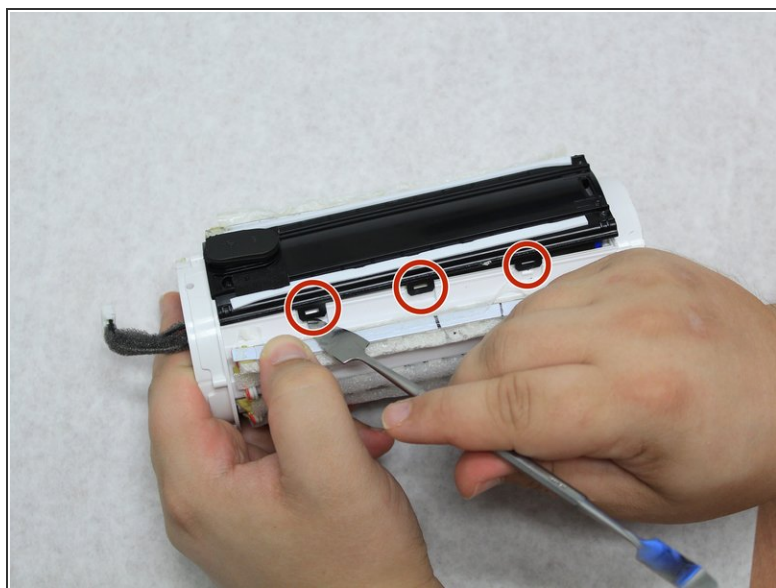
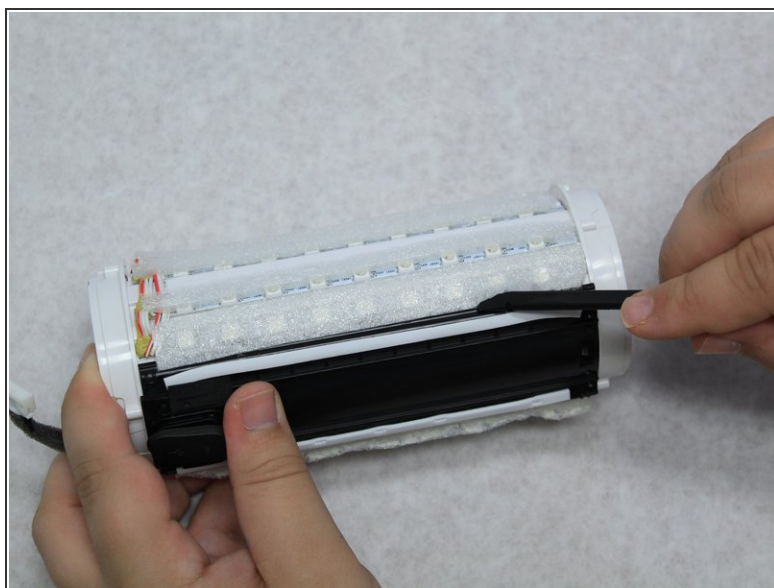
- Use the angled tweezers to disconnect the battery from the motherboard. It will take some work to remove this piece.

Step 12



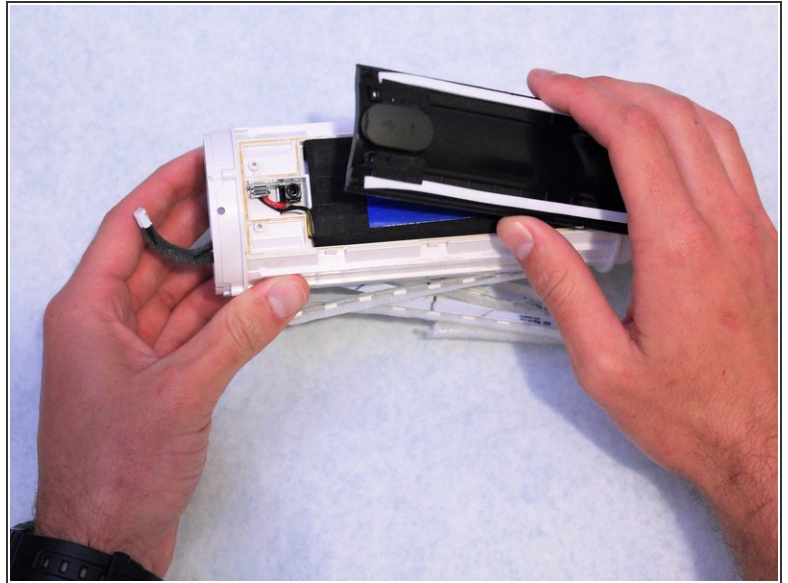
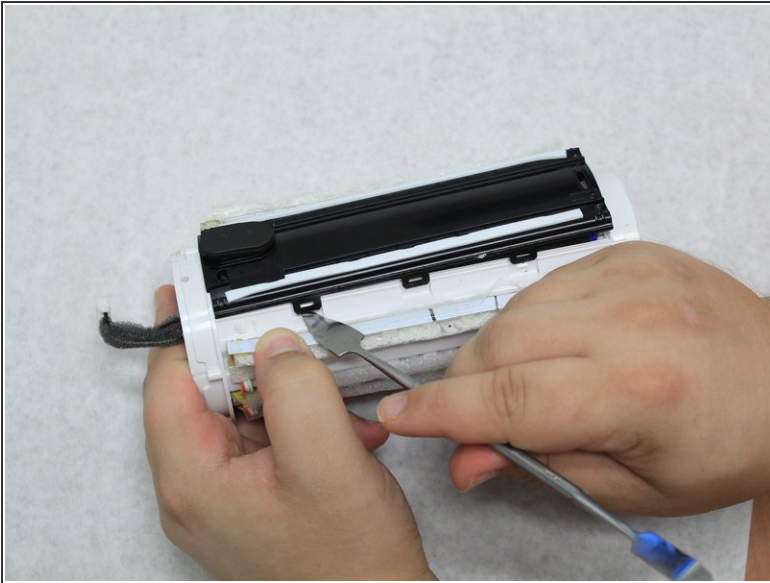
- Remove the four 7.9mm Phillips #1 screws from the black centerpiece of the device.

Step 13



- Use the spudger to reach under the sides of the black centerpiece to access the six latches, three of which are on each side.

Step 14



- Lift the black centerpiece off with the metal spudger to reveal the battery underneath.

Step 15



- Use a hot air gun to soften the hot glue in order to fully remove the battery.

Step 16 — Motherboard



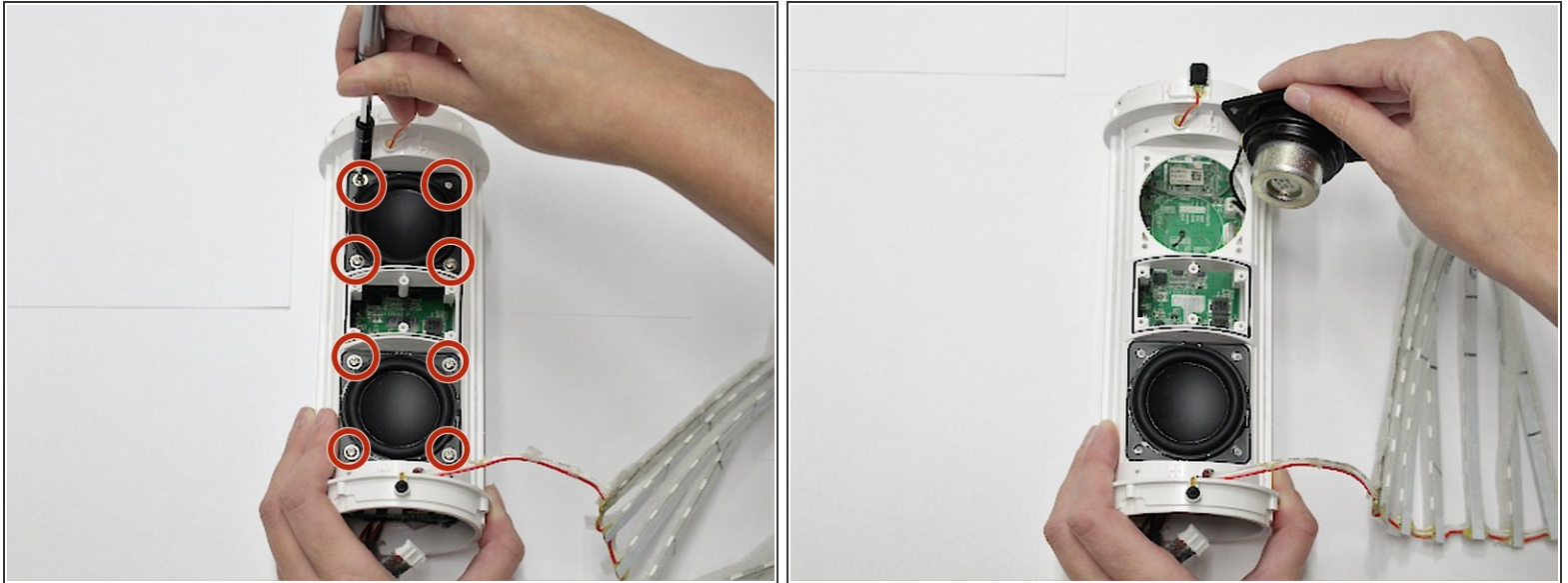
- Manually remove the LED strips from the outside of the white plastic casing.

Step 17



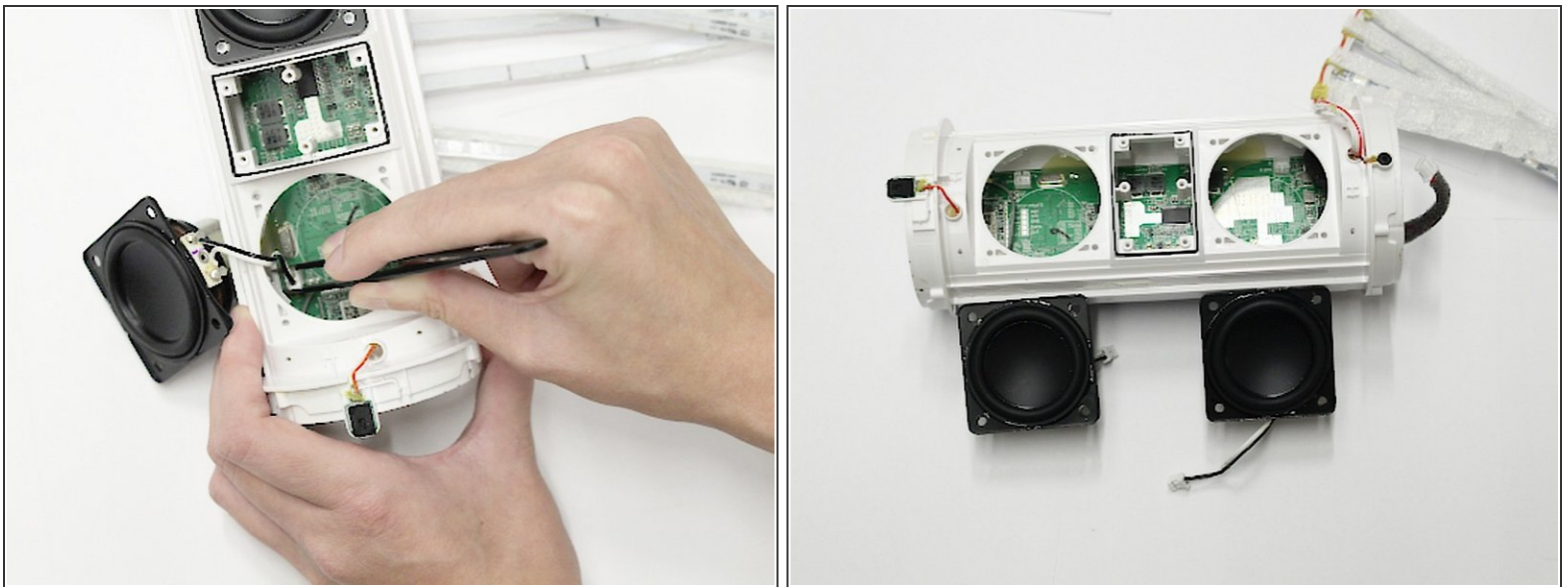
- Use the Phillips #1 screwdriver to remove the ten 9.5mm screws that hold the cage in place.
- Lift the cage off.

Step 18



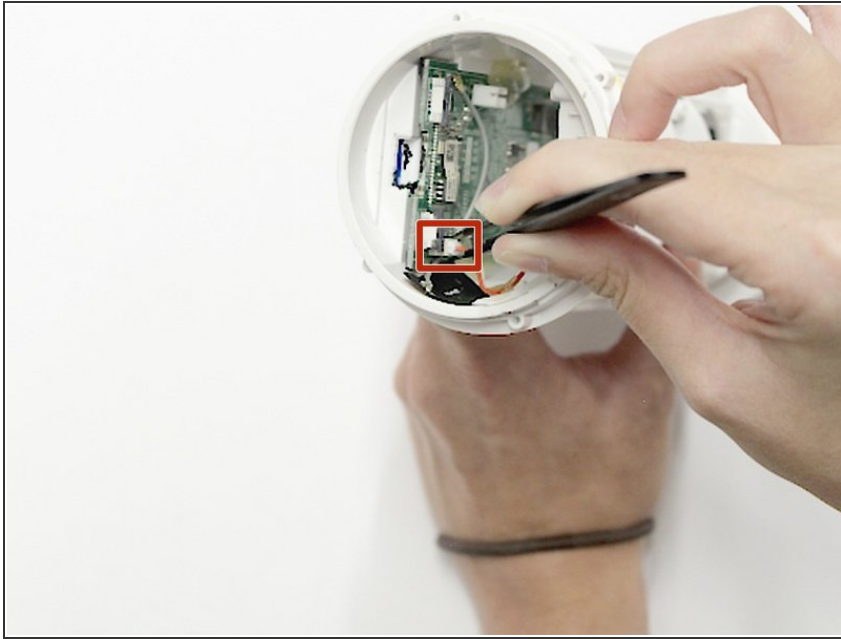
- Use the Phillips #1 screwdriver to remove the eight 6.4mm screws that hold the speakers in place.
- Partially remove the speakers so you can see where they connect to the motherboard.

Step 19



- Use the straight tweezers to disconnect the speakers from the motherboard.
- Fully remove the speakers once they are disconnected from the motherboard.

Step 20



- Disconnect the remaining wires from the motherboard with the straight tweezers.

⚠ Be cautious when performing this step. The mic wire is fragile and liable to break.

Step 21



- Use a hot air gun to soften the glue from the corners of the motherboard.
- Slide the motherboard out of the casing.

⚠ The hot glue covers portions of the motherboard so be careful when softening and removing it.

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