



Harman Kardon Onyx Studio 2 Circuit Board Replacement

This guide will show how to replace the entire circuit board of the Harman Kardon Onyx Studio 2 speaker.

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INTRODUCTION

If you have looked at the troubleshooting page and identified that your issues with your Onyx Studio 2 are indeed due to the circuit board being bad, this guide will walk you through how to replace it.

TOOLS:

- [iFixit Opening Tools](#) (1)
 - [T10 Torx Screwdriver](#) (1)
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Step 1 — Front Panel



- Using a plastic opening tool, pry off the front grill by wedging it in the notch on the front of the device.

Step 2



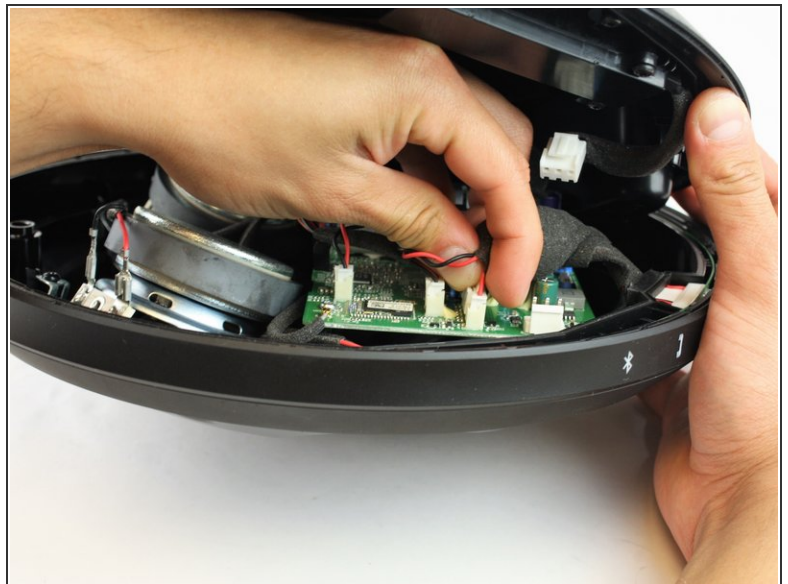
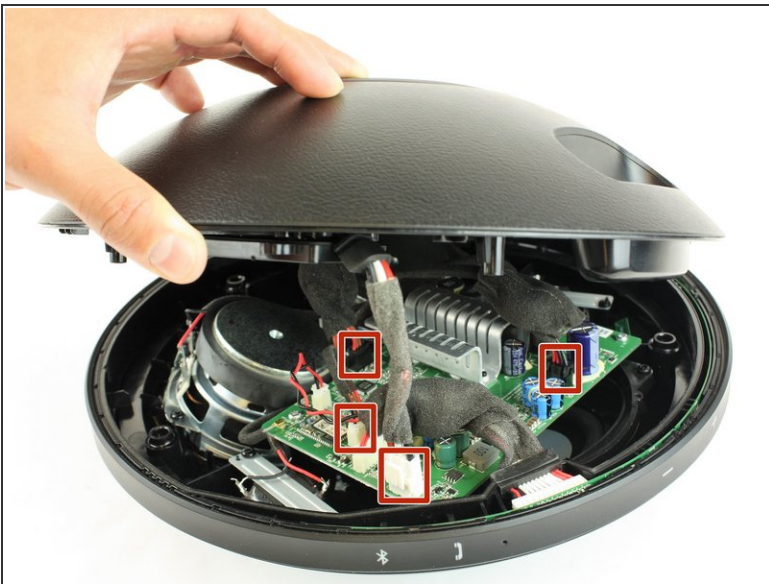
- Remove the five 14.4 mm T10 Torx screws.

Step 3



- Gently pull the front apart from the back.

Step 4



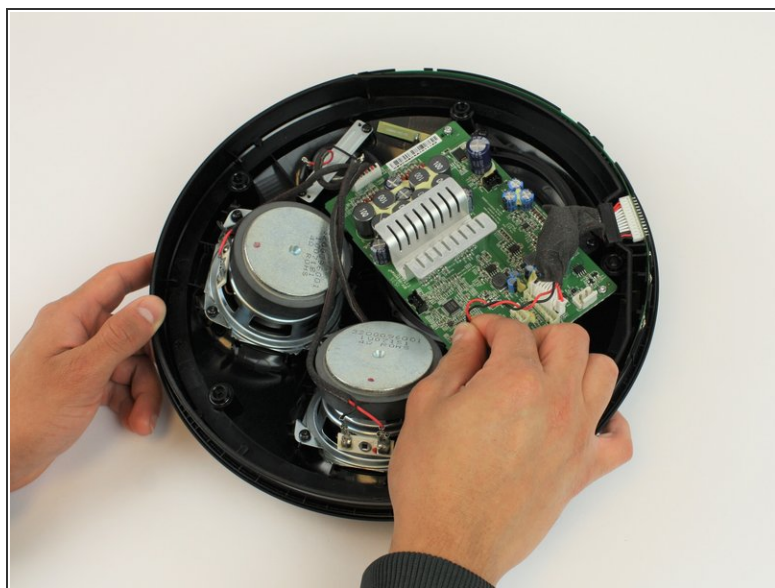
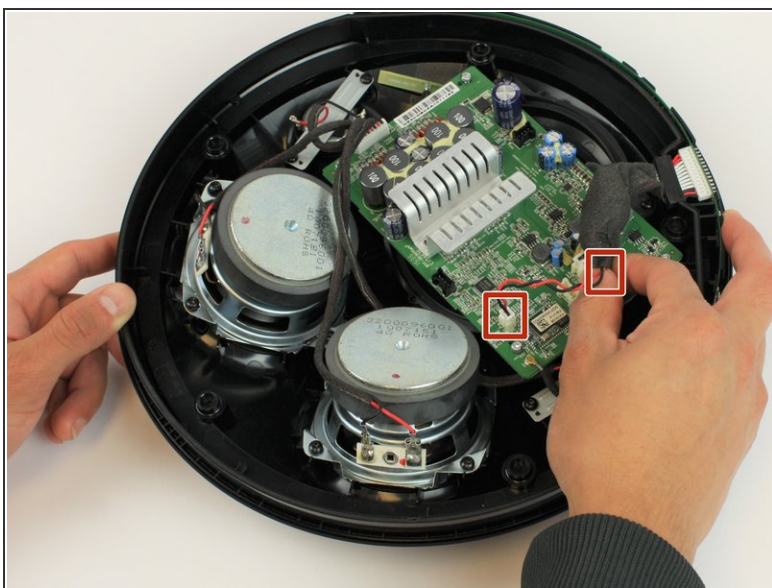
- Remove the four wires connecting the front and back panels.
- Pinch the connector tab and pull gently upwards.
- Repeat for the other three connectors.

Step 5 — Control Board



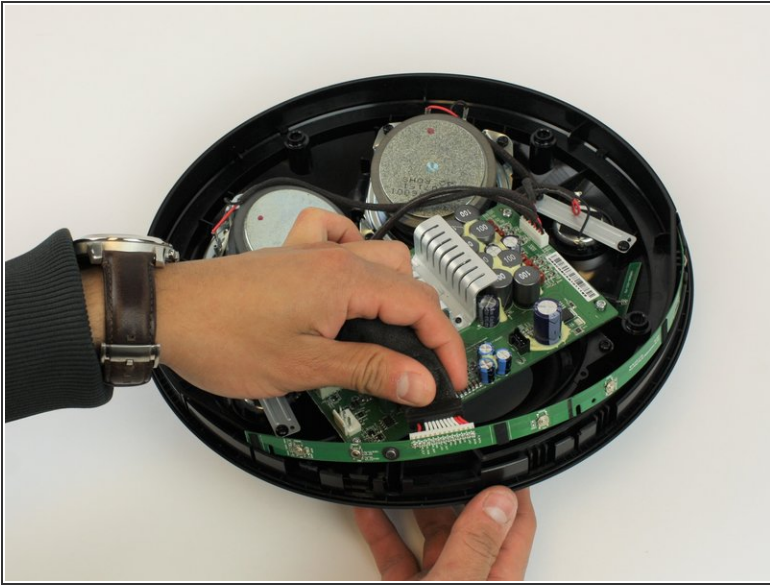
- Pull the silicone button band off of the outer edge of the speaker.

Step 6



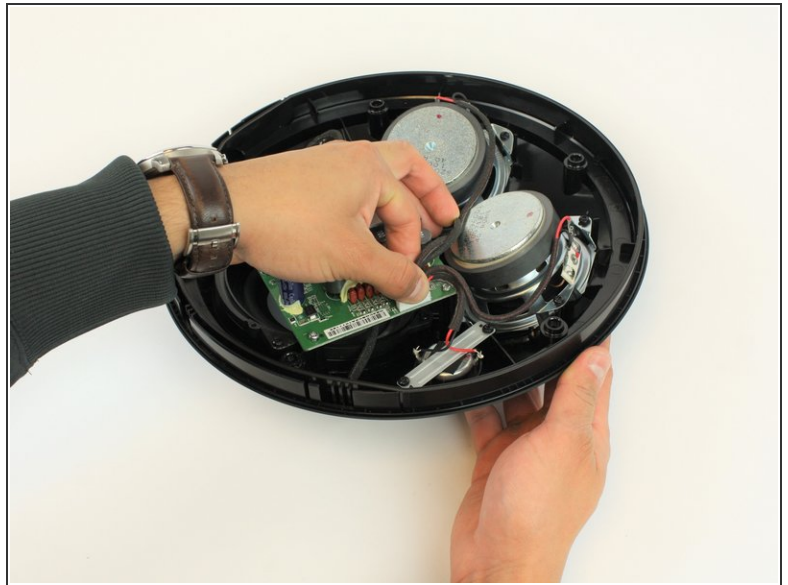
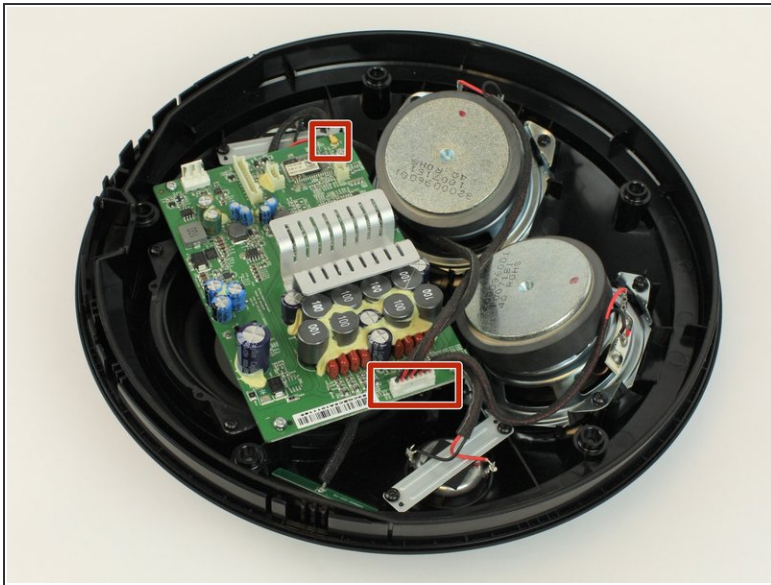
- Disconnect the two pressure connections from the circuit board.

Step 7



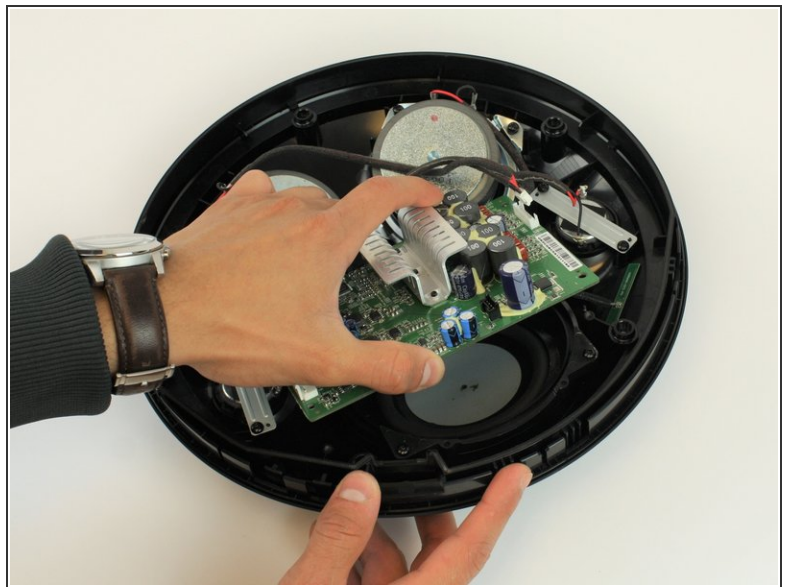
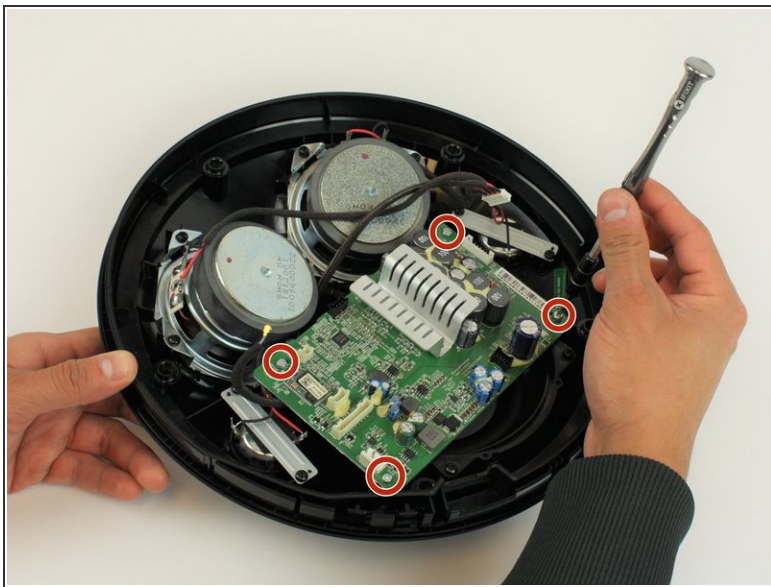
- Gently remove the control board band by placing fingers in contact with it through the button openings.
- ⓘ Work from the outer edges in so as not to bend the band.

Step 8 — Circuit Board



- Disconnect the remaining connectors from the circuit board.
- Disconnect the Bluetooth antenna.

Step 9



- Remove the four 10 mm T10 Torx screws.
- Pull the circuit board out of the device as it is now free.

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