Fugoo Tough XL Motherboard Replacement
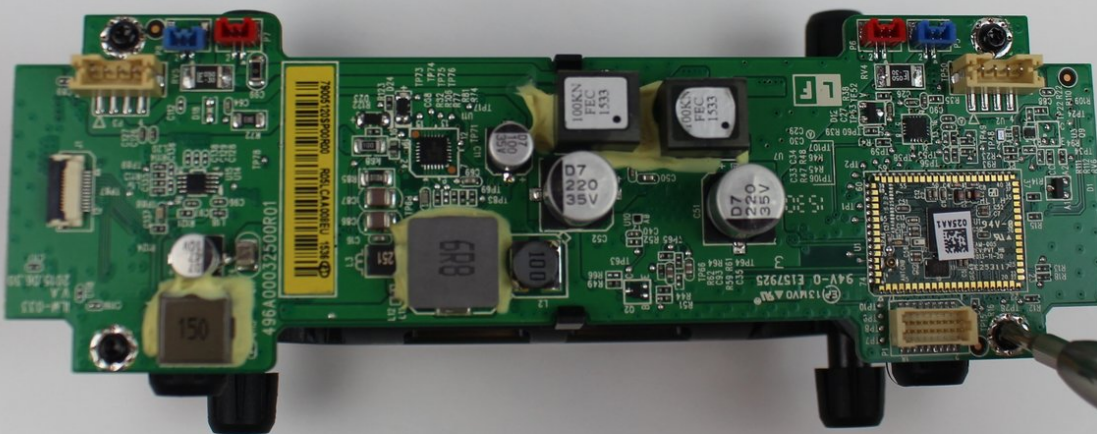
This guide would show you how to remove the shell and replace the motherboard.

Written By: Abdul

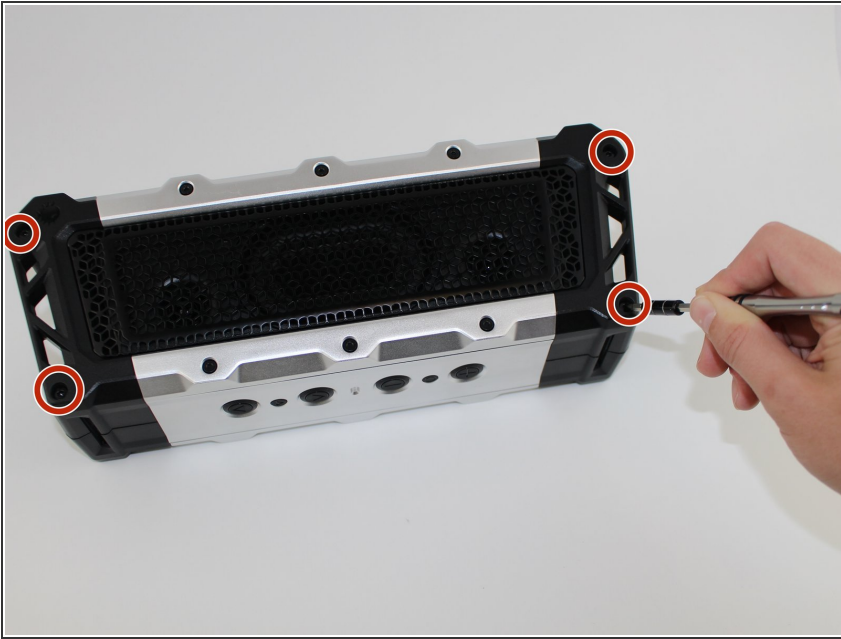This document was generated on 2019-09-23 04:26:44 PM (MST).

INTRODUCTION

Use this guide to remove and replace the motherboard.

TOOLS:

- 3mm Hex Key (or Bit) (1)
- iFixit Opening Tools (1)
- T10 Torx Screwdriver (1)
- Tweezers (1)

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Step 1 — Case

- Use a #3 Hex screwdriver to unscrew all four 3mm screws."

Step 2

- Gently remove the outer shell.

- ⓘ It should be relatively easy to pull apart. Don't be afraid to apply a necessary force.
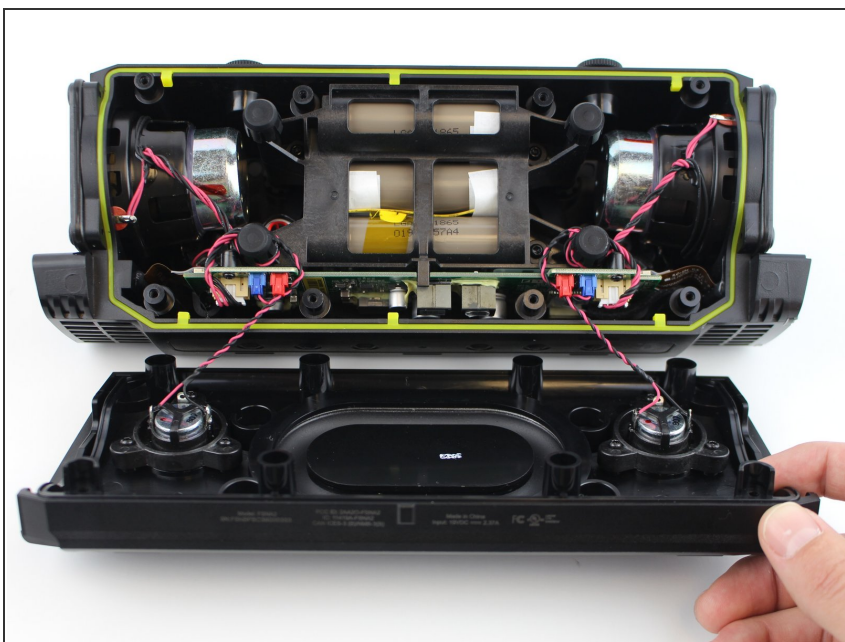
Step 3

- Pull out the device from the external case.

- Unscrew all 12mm T Head screws using a T10 screwdriver.

- Unscrew all 6mm T Head screws using a T10 screwdriver.

Step 4

- Gently remove the side plates by using your hands to pull off.

  - Use plastic opening tool to pry off the back plate.

  - (i) Work on the side with the Fugoo trademark.

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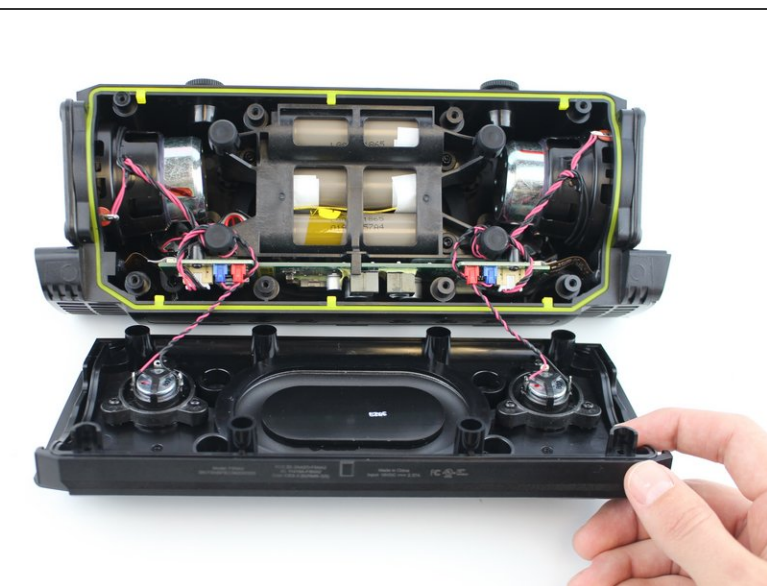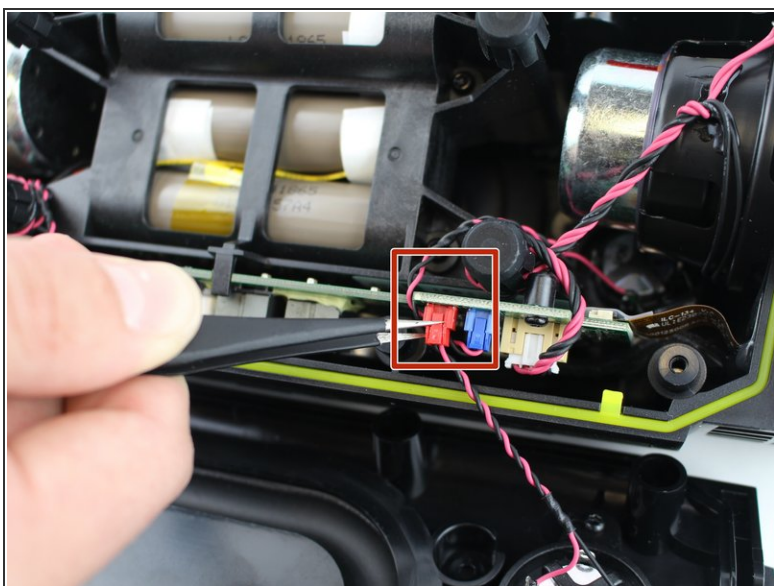© iFixit — CC BY-NC-SA   www.iFixit.com   Page 4 of 8

Step 5

- Pull apart the front casing from the back casing, slowly. Try to avoid any tension on any of the connected cables.
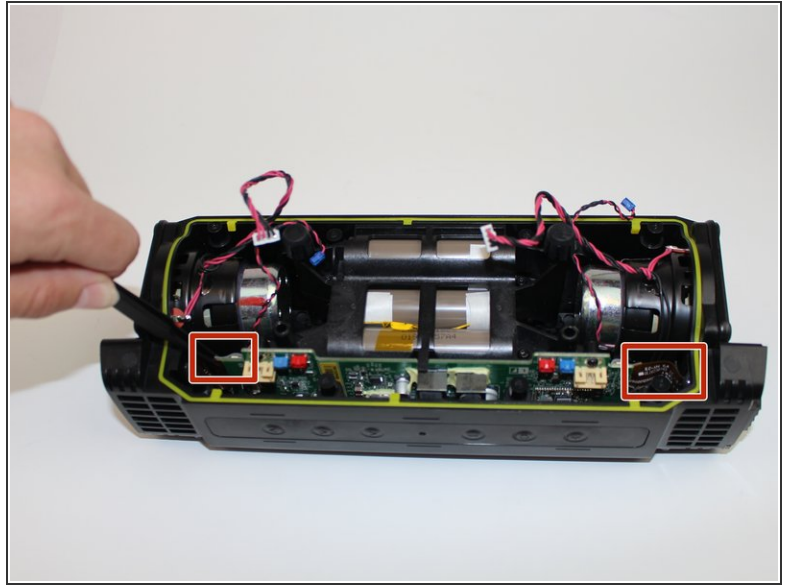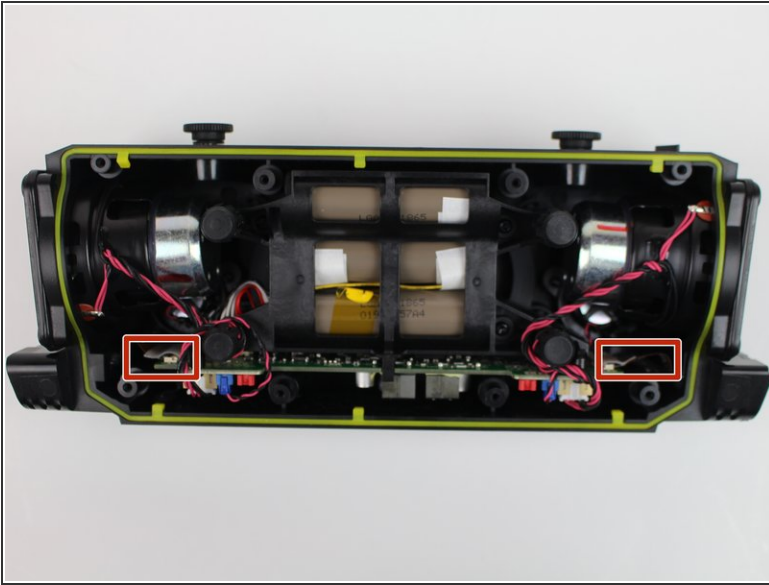
⚠️ Separate at a slow constant force to avoid damage to the speaker cables.
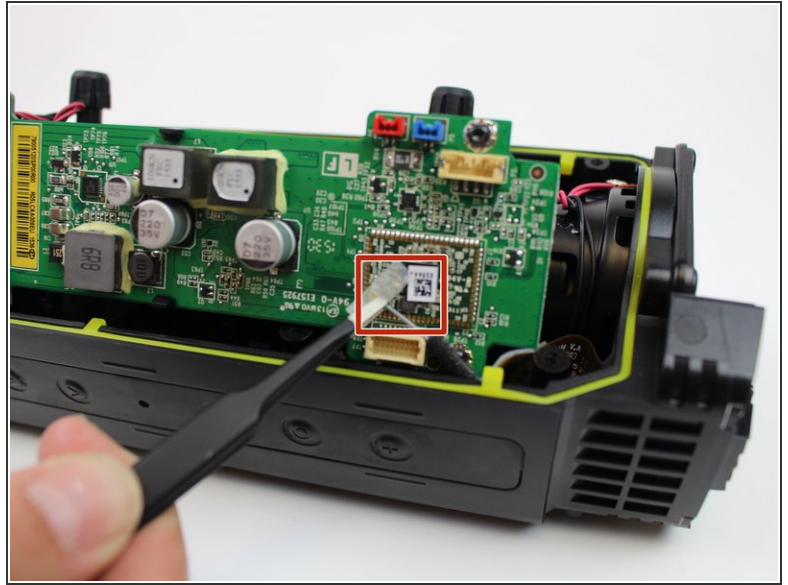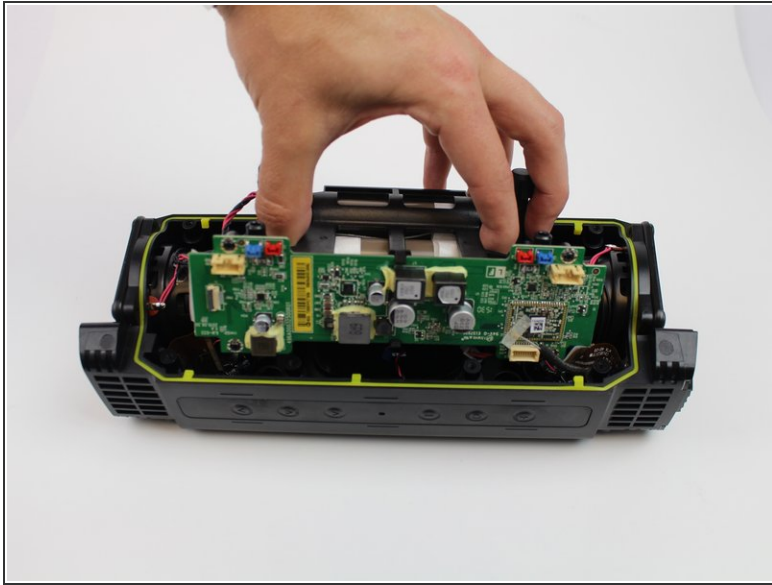
Step 6 — Motherboard

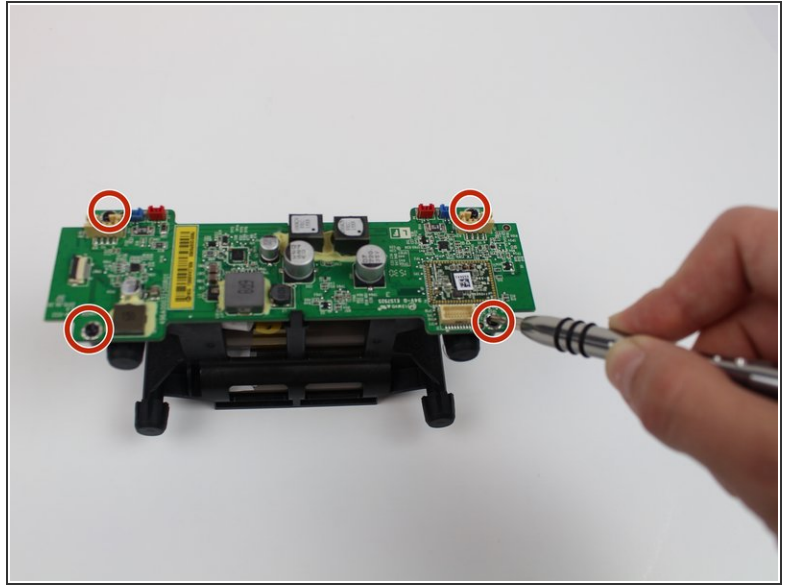- Carefully untangle the wires that are connected from the speaker to the motherboard.

Step 7

- Use tweezers to remove two ribbon wires on left and right side of motherboard.

⚠ Do not pull the cables by the cord, as this could cause damage to the cables and/or motherboard. Always disconnect the cables from the base by the motherboard using an iFixit opening tool

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Step 8

⚠️ Pull out the motherboard halfway.

● Unplug the ribbon gently using a tweezer.

ⓘ There is a hidden ribbon on the motherboard, which becomes visible when the motherboard is been pulled out.

Step 9

- Remove the motherboard and battery from the device.

- Use a #3 Hex screwdriver to unscrew all four 3mm screws."

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