



# Fugoo Tough XL Bass Speaker Replacement

Removing and replacing the internal bass speaker of the Fugoo Tough XL.

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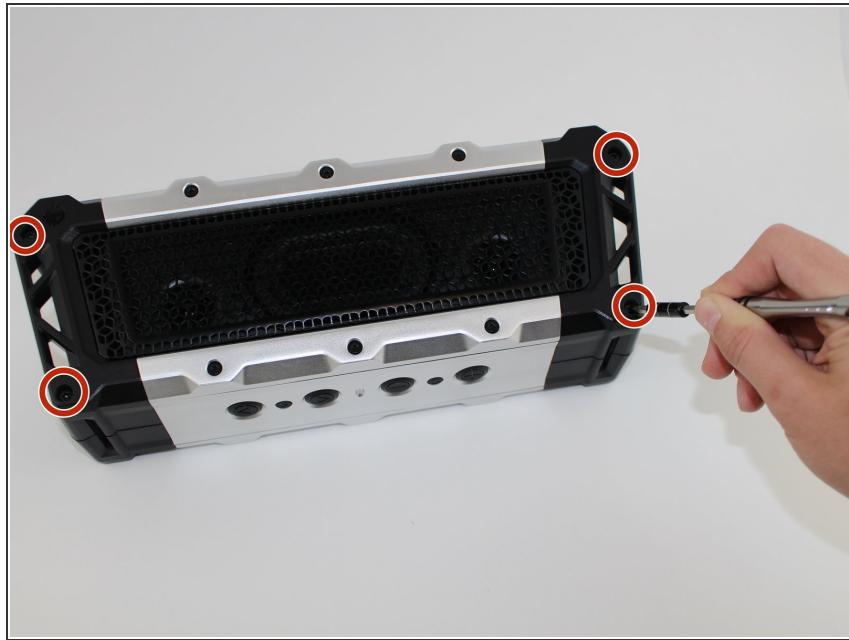
## INTRODUCTION

The two bass speakers are located on the left and right ends of the Fugoo Tough XL device.

### TOOLS:

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

## Step 1 — Case



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

## Step 2



- Gently remove the outer shell.

*(i)* 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.

ⓘ Work on the side with the Fugoo trademark.

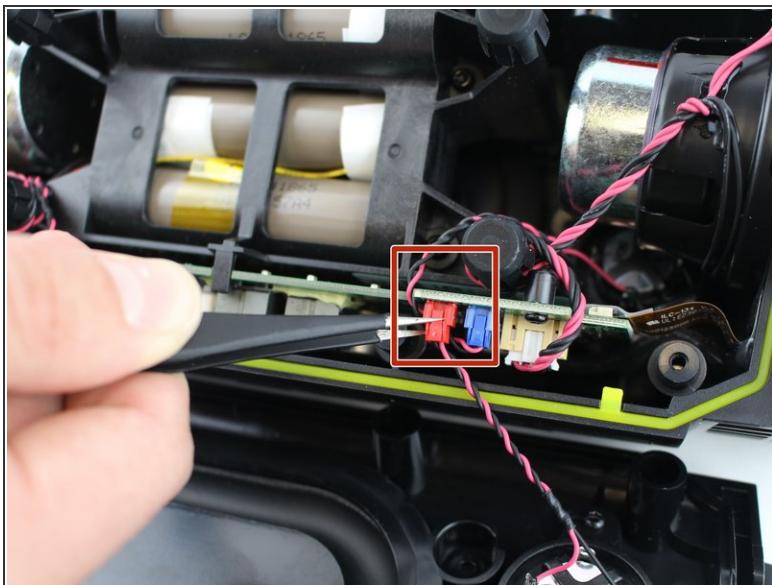
## Step 5



- Pull apart the front casing from the back casing, slowly. Try to avoid any tension on any of the connected cables.

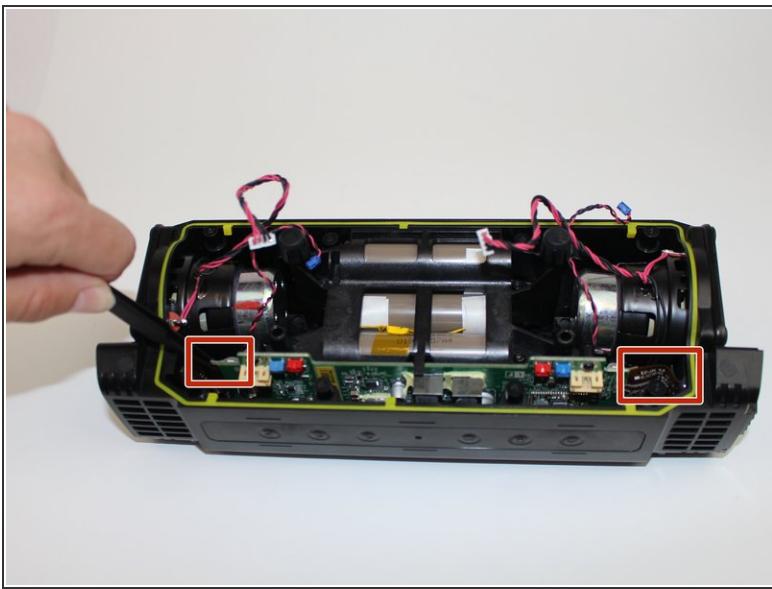
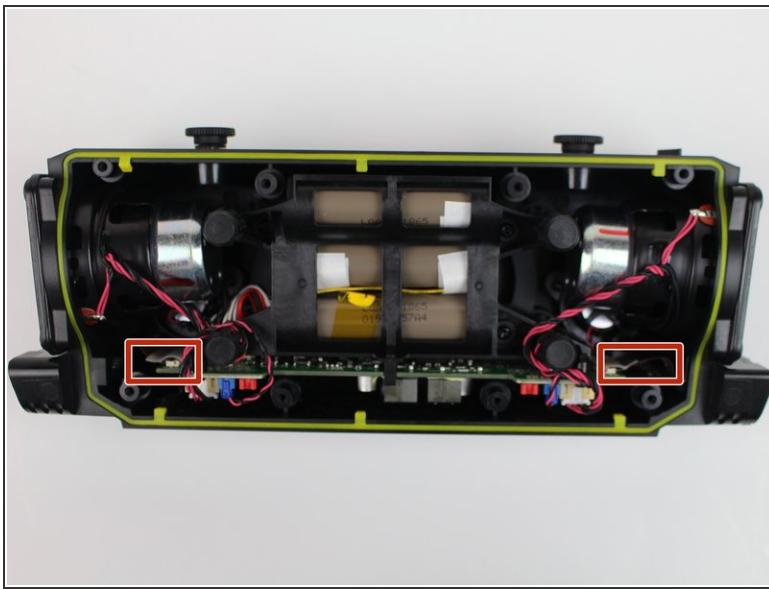
 Separate at a slow constant force to avoid damage to the speaker cables.

## Step 6 — Motherboard



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

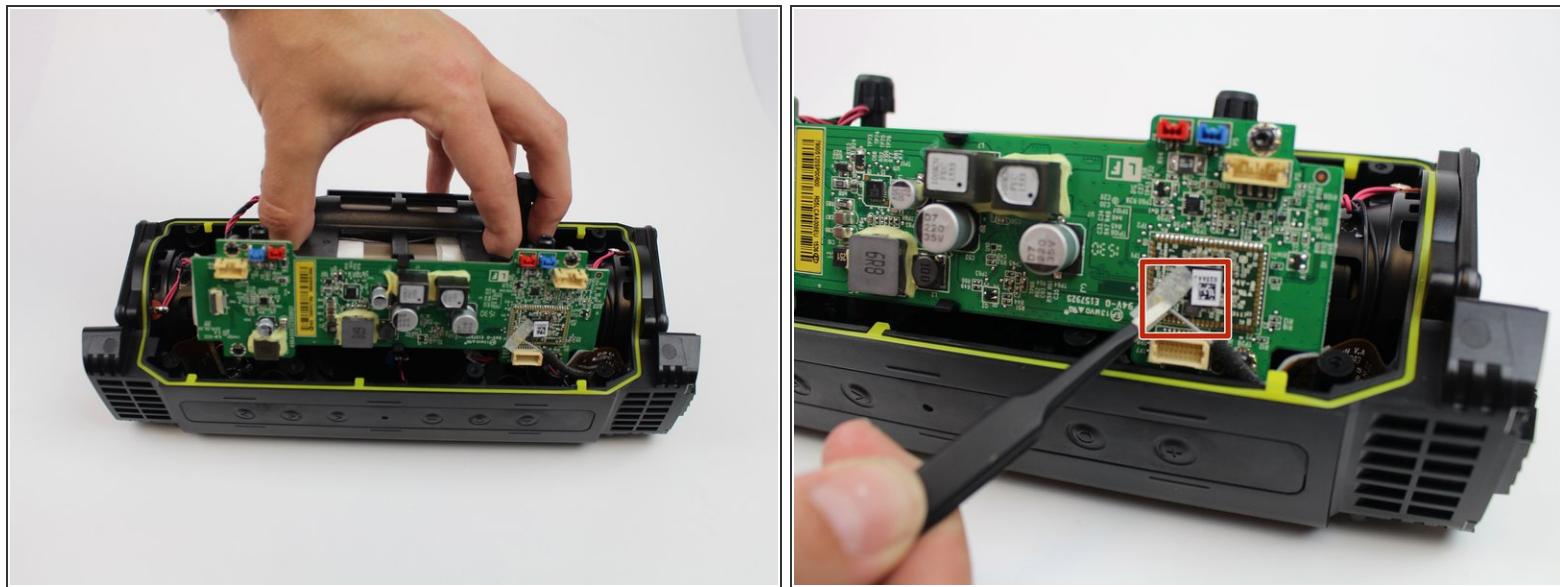
## Step 7



- 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

## Step 8

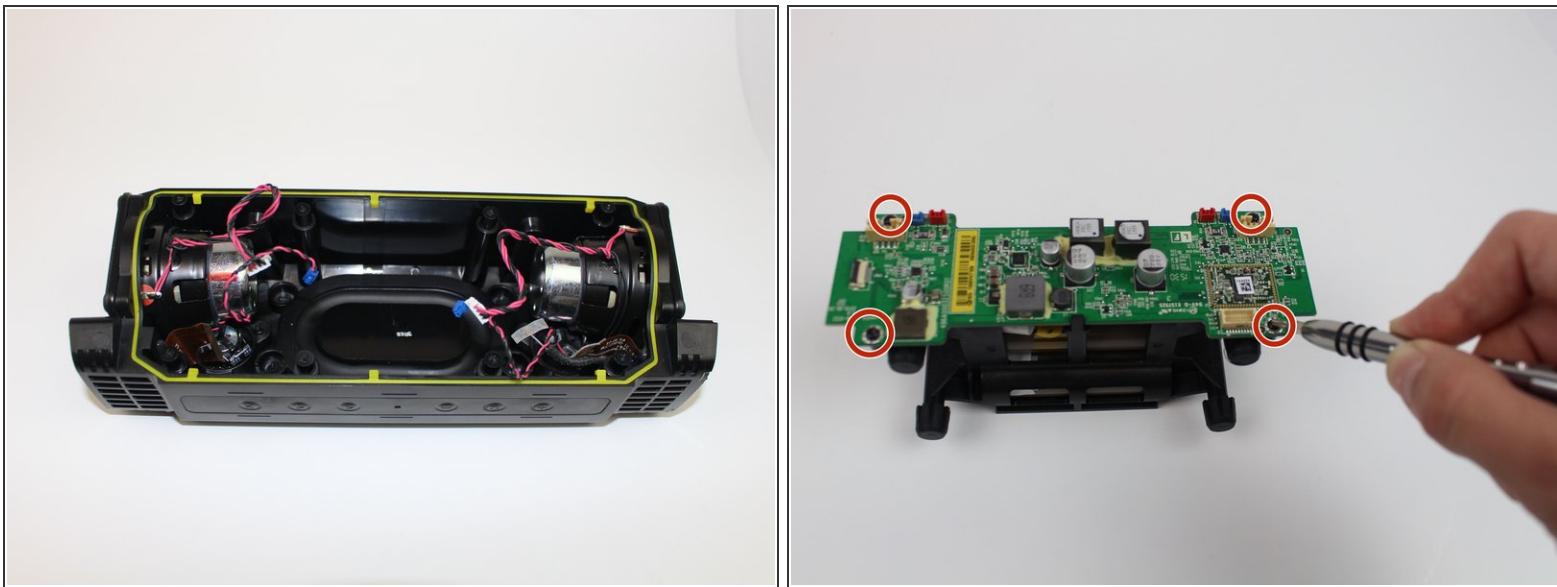


⚠ Pull out the motherboard halfway.

- Unplug the ribbon gently using a tweezer.

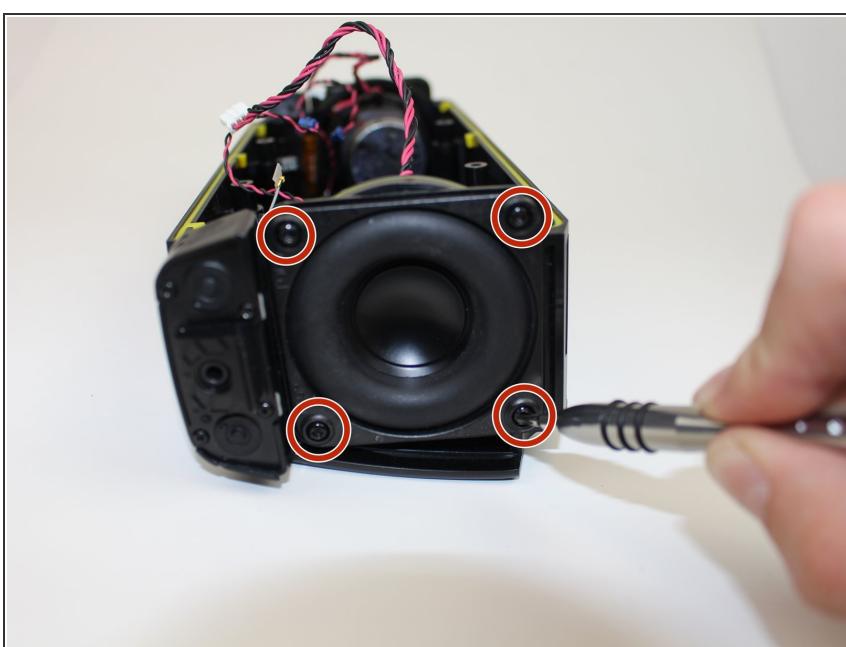
ⓘ There is a hidden ribbon on the motherboard, which becomes visible when the motherboard is been pulled out.

## Step 9



- Remove the motherboard and battery from the device.
- Use a #3 Hex screwdriver to unscrew all four 3mm screws."

## Step 10 — Bass Speaker



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

## Step 11



- Pull the bass speaker from the internal case.

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