



# Braven BRV-X Front Speaker Panel Replacement

This guide will go through a dissassembly of the Braven BRV-X's front speaker and buttons panels.

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## INTRODUCTION

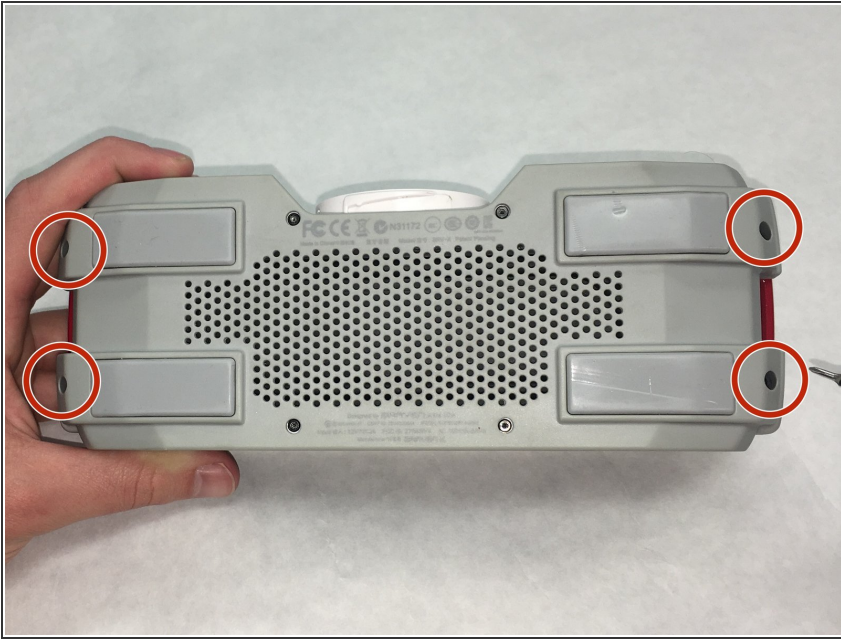
Use this guide to remove the front speaker panel in your device. You'll need to know how to solder to fully replace the speaker panel in your Braven BRV-X. The [How to Solder and Desolder Connections](#) guide may help you with this guide.



### TOOLS:

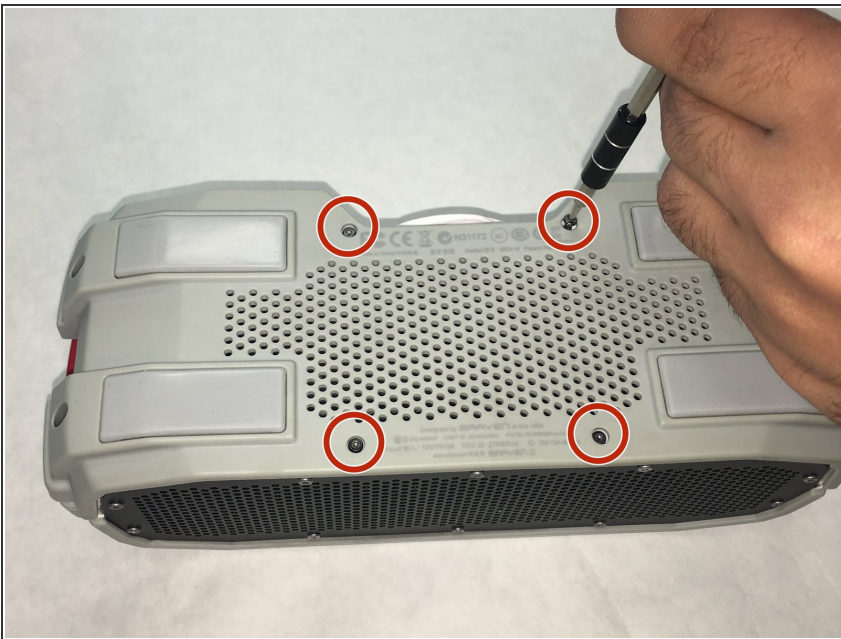
- [Metal Spudger](#) (1)
  - [1.5mm Hex Screwdriver](#) (1)
  - [Phillips #00 Screwdriver](#) (1)
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## Step 1 — Front Speaker Panel



- Remove four 1.1 cm outer screws in the outer shell using the Phillips #00 screwdriver.

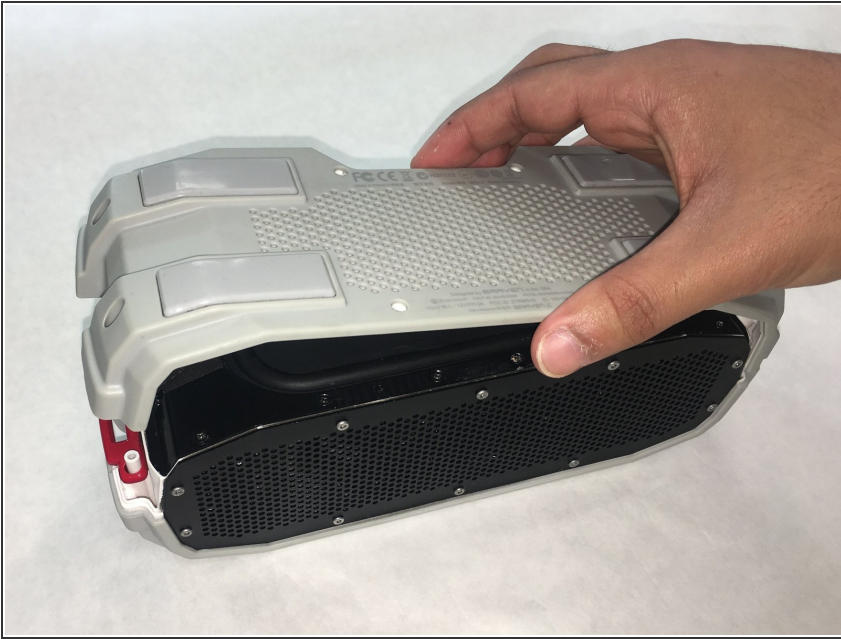
## Step 2



- Remove four 1.3 cm inner screws in the outer shell using the 1.5mm Hex screwdriver.

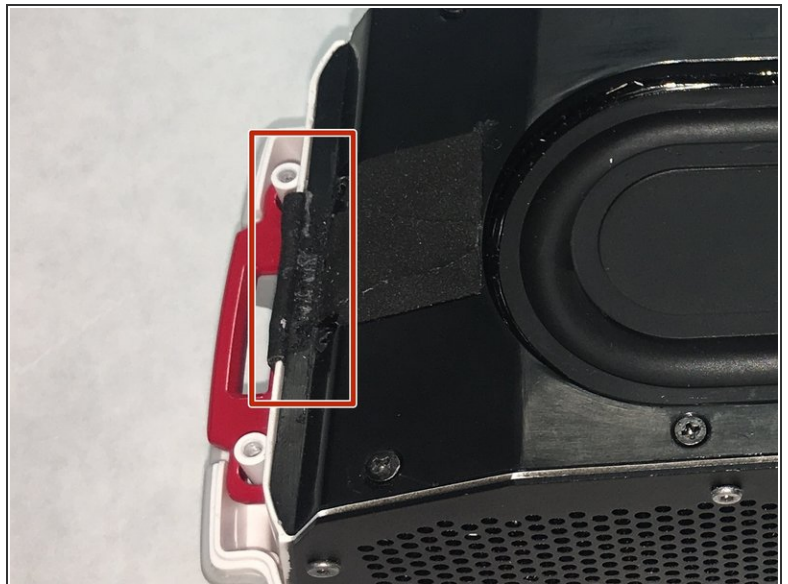


### Step 3



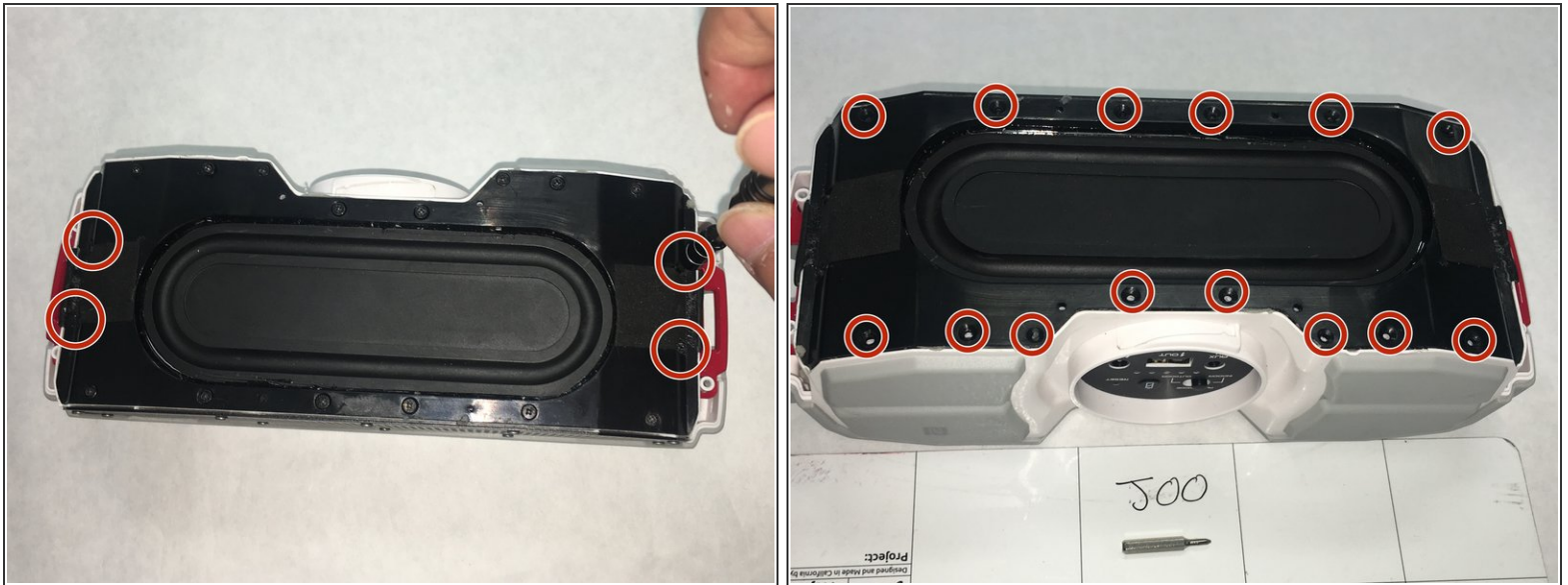
- Gently remove the outer shell.

### Step 4



- Cut adhesive tape on both sides.

## Step 5



- Remove eighteen 0.9cm screws in the inner shell using the Phillips #00 screwdriver.

## Step 6



- Pry open the glued inner shell using a spudger around all sides of the shell.

⚠ Don't use too much pressure as that could cause damage to the plastic.



## Step 7



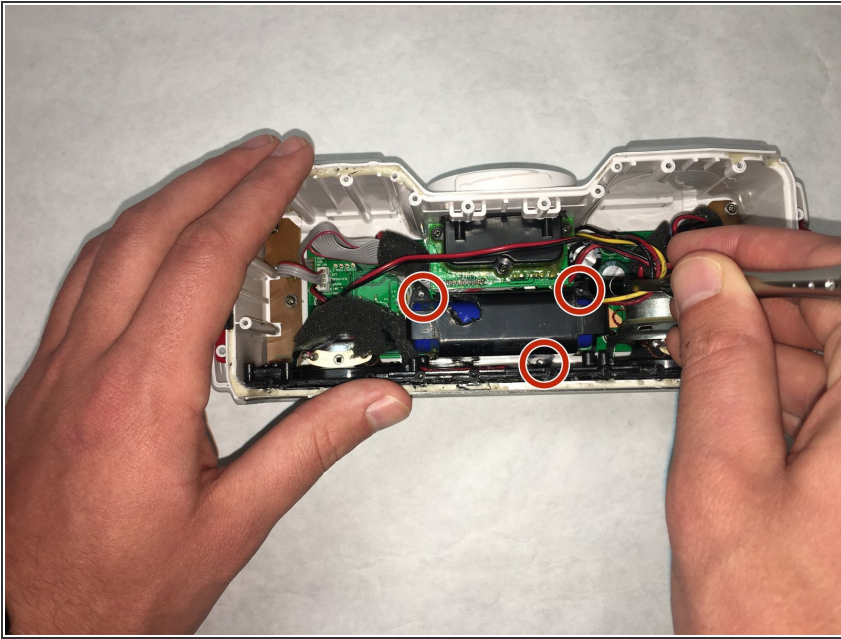
- Remove ten 0.7 cm screws in the front plate using the 1.5 mm Hex screwdriver.

## Step 8



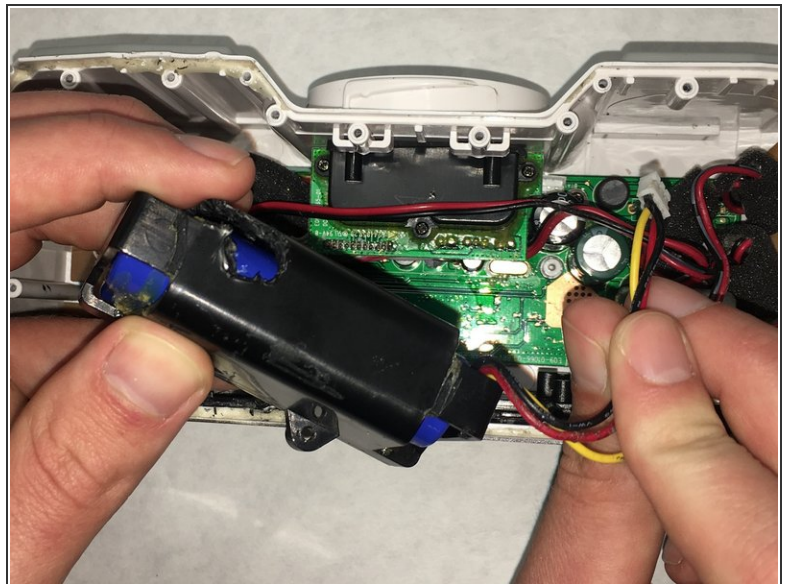
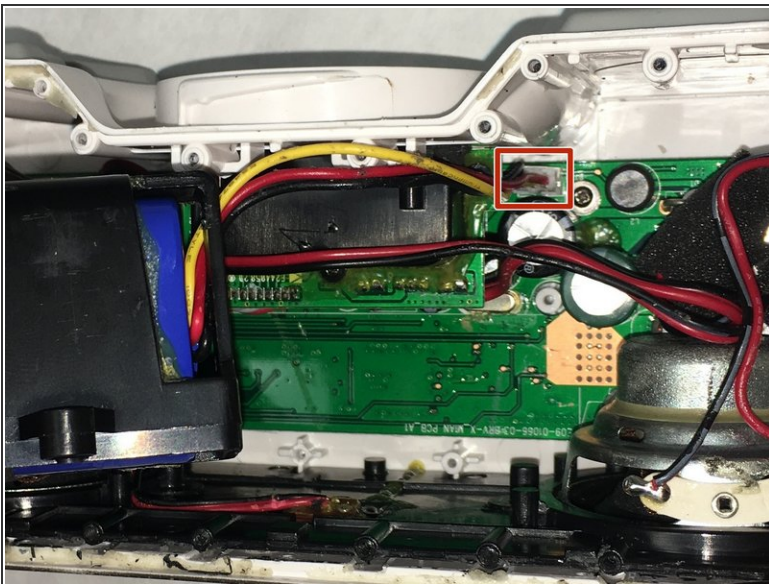
- Use a spudger to open the front speaker plate.

## Step 9



- Remove three 1.0 cm screws from the battery unit.
- ⓘ It is recommended (but not required) to remove the battery.

## Step 10



- Disconnect the ribbon cable attached the main board.

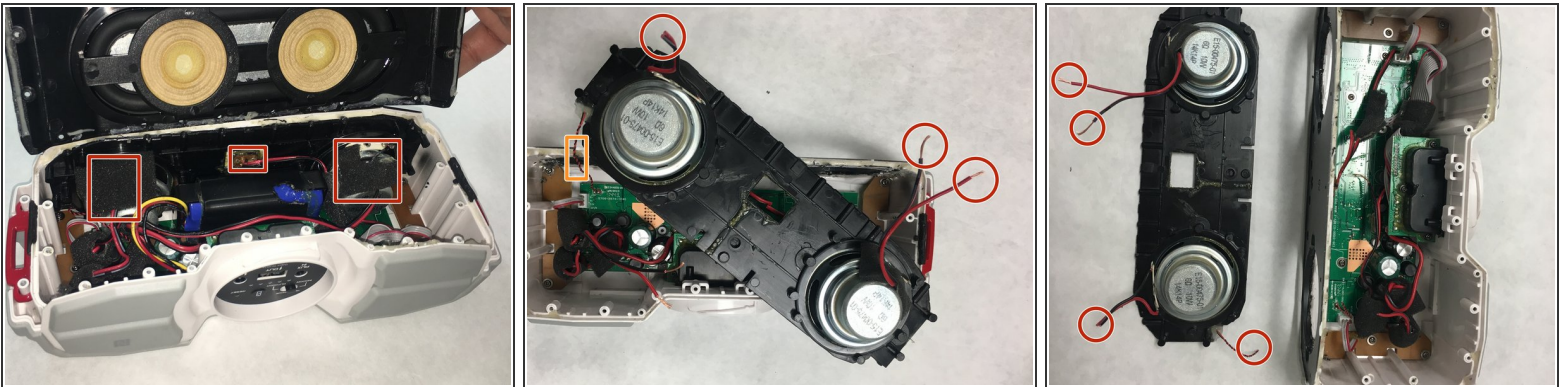


## Step 11



- Pry open the second plate holding in the speaker using a spudger around all sides.
  - ❗ It is recommended to use a spudger to remove the heavily glued areas between the plates before prying.
- ⚠ Don't use too much pressure as that could cause damage to the plastic.

## Step 12



- Cut the 20 gauge wires attached to the front IR sensor and two speaker wires.
  - ❗ Leave enough length on the wire to work with it afterwards.
- Cut the 22 gauge wire attached in the corner.
- Solder the new speaker plate during reassembly.
- ❗ To properly solder and desolder connections, visit the [How to Solder and Desolder Connections](#) guide.



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