



# How to stop "BEEP" sound by removing the Internal Speaker.

This is a guide on how to remove the annoyingly loud beep sound by removing the speaker and bringing peace and quiet back to your home.

Written By: Stefan Lewis



## INTRODUCTION

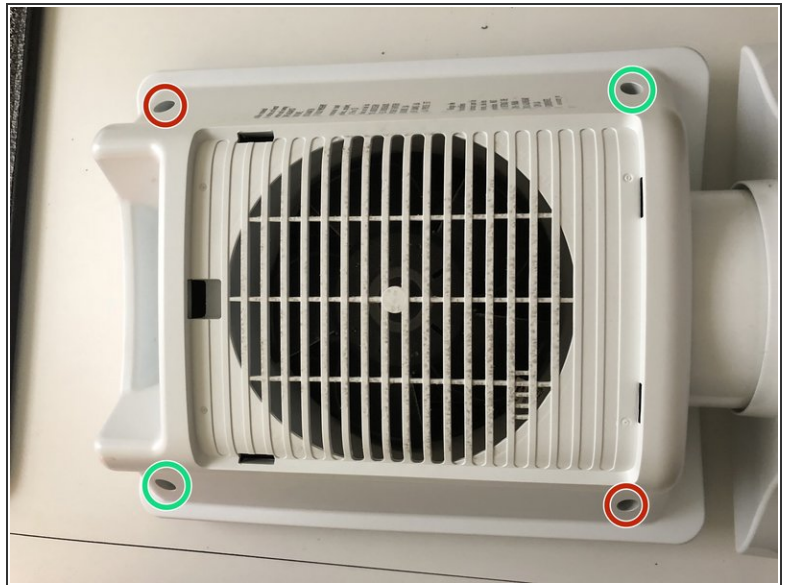
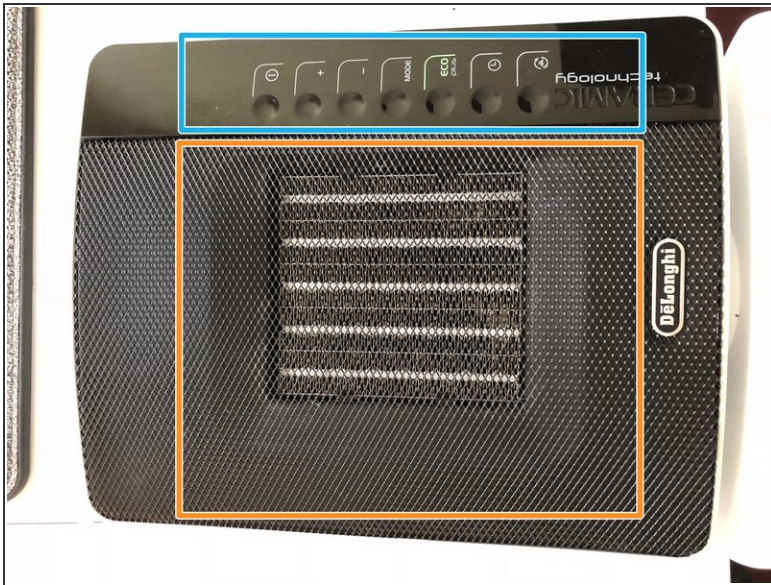
I will be demonstrating the steps on how to take this product apart and break the circuit to the speaker that makes the beep sound; resulting in a quiet operating heater.



### TOOLS:

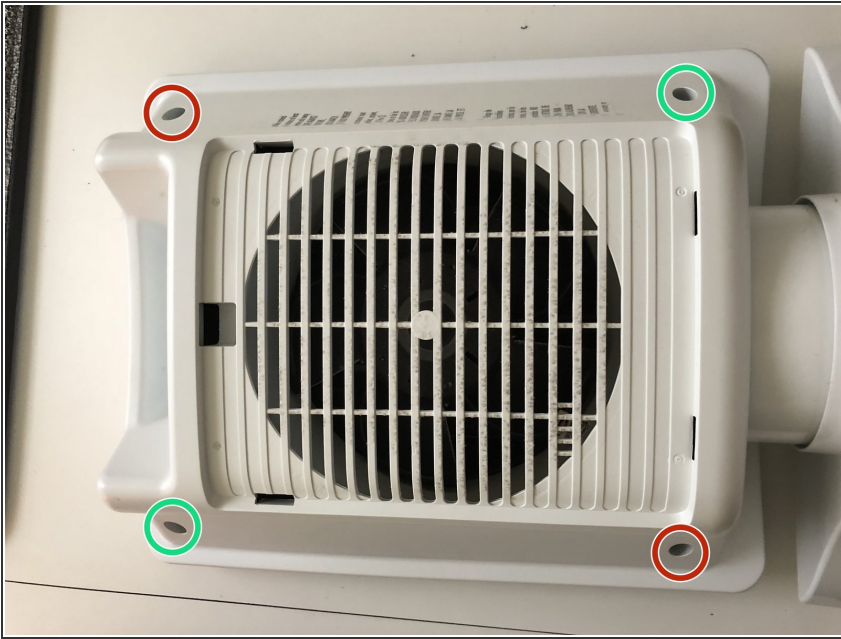
- [T9 Torx Screwdriver](#) (1)
  - [Phillips Screwdriver](#) (1)
  - [Flush Wire Cutters](#) (1)
-

## Step 1 — Identifying Important Parts (before disassembly)



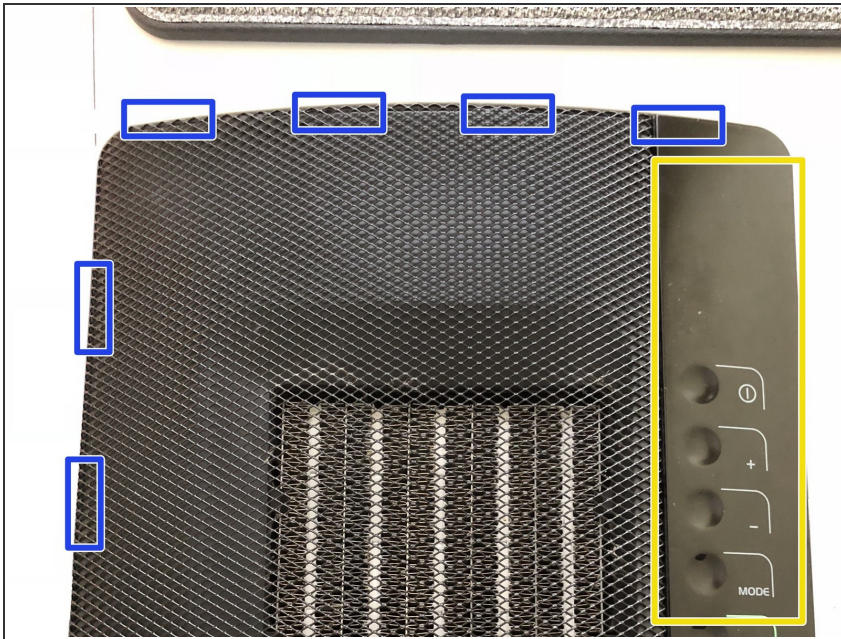
- This is the Touch Panel which has 3 functions: **(1)** *Responds to User Input* **(2)** *Where the speaker is located on the board* **(3)** *Where the trip-sensor is also located*
- This is the Ceramic Heater Grill. **NOTE:** *The Touch Panel & The Ceramic Grill are all one piece and make up the Front Cover.*
- This is the location of the Phillips Screws
- This is the location of the T9 Torx Screws

## Step 2 — Disassembling the Heater - Part I



- Start by Removing the Phillips Screws
- Then follow by removing the T9 Torx Screws

## Step 3 — Disassembling the Heater - Part II



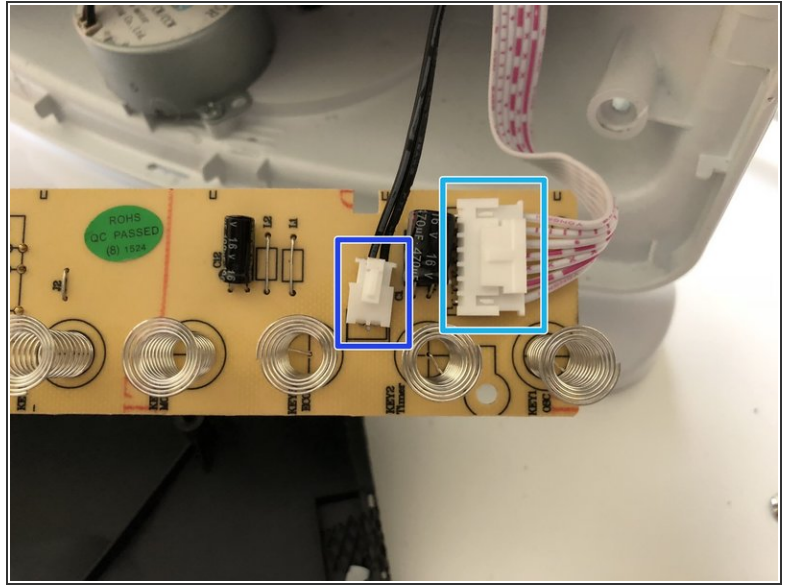
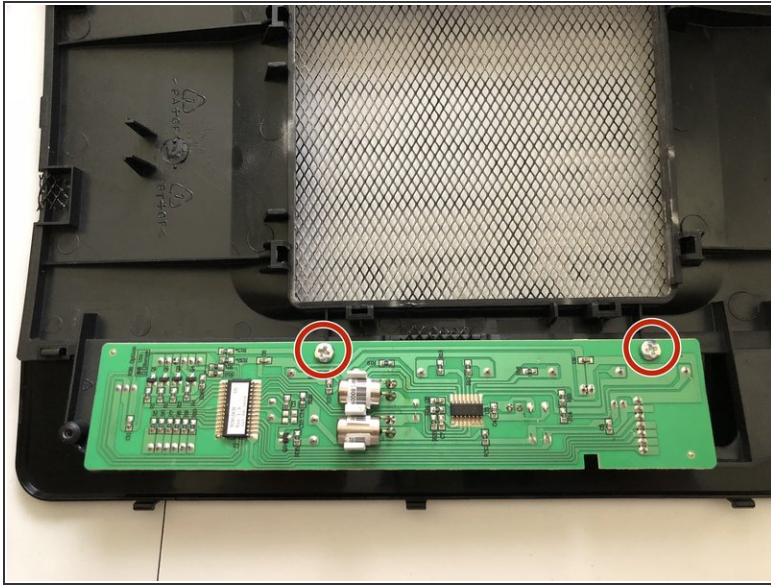
- Start here by gently prying open the cover starting where the Grill/Touch Panel meet.

**⚠ DO NOT PRY OPEN THE TOUCH PANEL SECTION UNTIL YOU HAVE LOOSENED ALL OTHER AREAS FIRST!**

- After the ceramic grill has been loosened then proceed to remove the rest of the front cover from the heater.

**⚠ Be careful not to pull too hard when removing the cover, there are wires attached to the circuit board attached to the front cover. THERE DELICATE.**

## Step 4 — Disassembling the Heater - Part III



- Start by removing the next pair of Phillips Screws
- ⓘ Carefully remove the Circuit Board from the Front Cover Casing.
- Then Proceed to remove the connected Cable
- Finish removing the last connected Cable.
- ⓘ Make note for later, the Smaller of the cables will be installed last when it comes time for Reassembly.

## Step 5 — Disassembling the Heater - Part IV



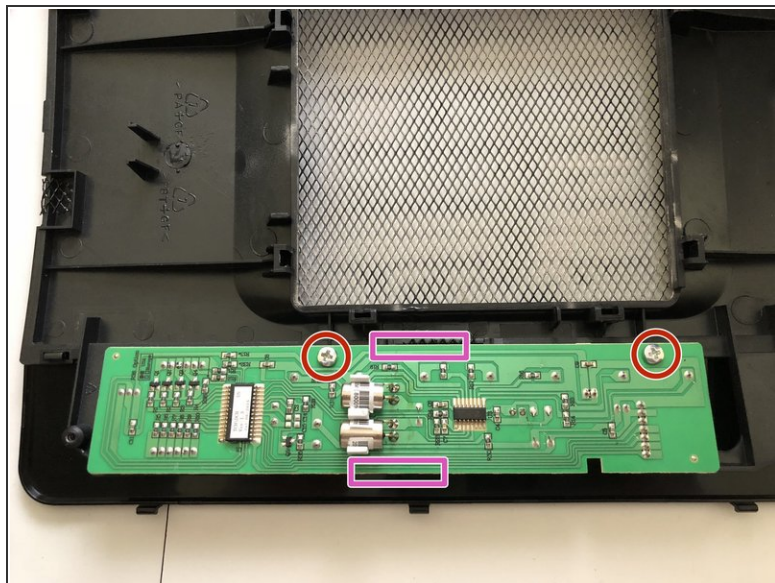
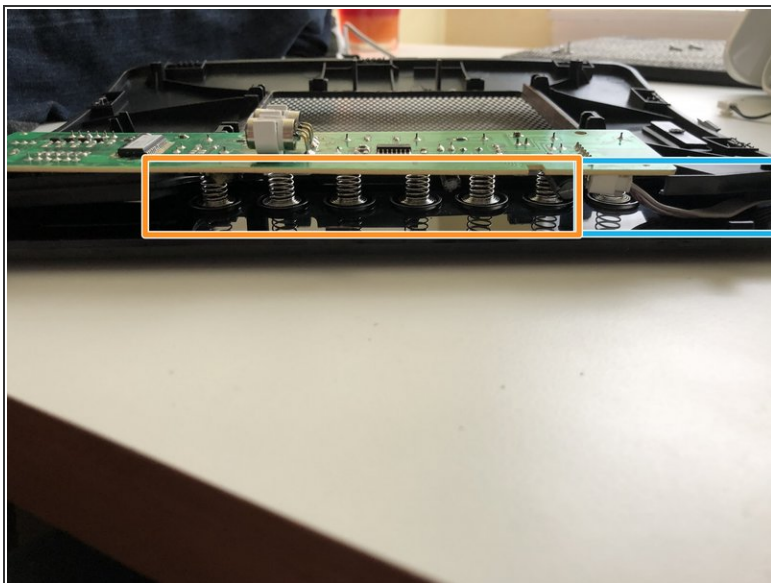
- This is the Speaker.
- ① This is what it looks like AFTER the cover and aluminum shielding has been removed.
- This is what the Speaker will look like when looking at your Circuit Board.
- This is the outlined area you need to carefully remove with wire cutters.
- ① It may help to imagine a plus sign on top and cut in that pattern; made it easier for me while still being careful.
- ⚠ Be careful not to damage the copper coil as shown in the first photo that need to be intact for the heater to remain working otherwise it breaks the circuit completely; since the circuit path runs through the speaks for all functions.
- This is the Aluminum Shielding that is under the Speaker Cover and Above the Copper coil ring. Its what creates the circuit so there is sound in the speaker. **THIS IS WHAT WE ARE AFTER AND WHAT TO REMOVE.**
- This is the Speaker Cover, and as shown I removed mine through the Plus Pattern.

## Step 6 — Reassembling the Heater - Part I



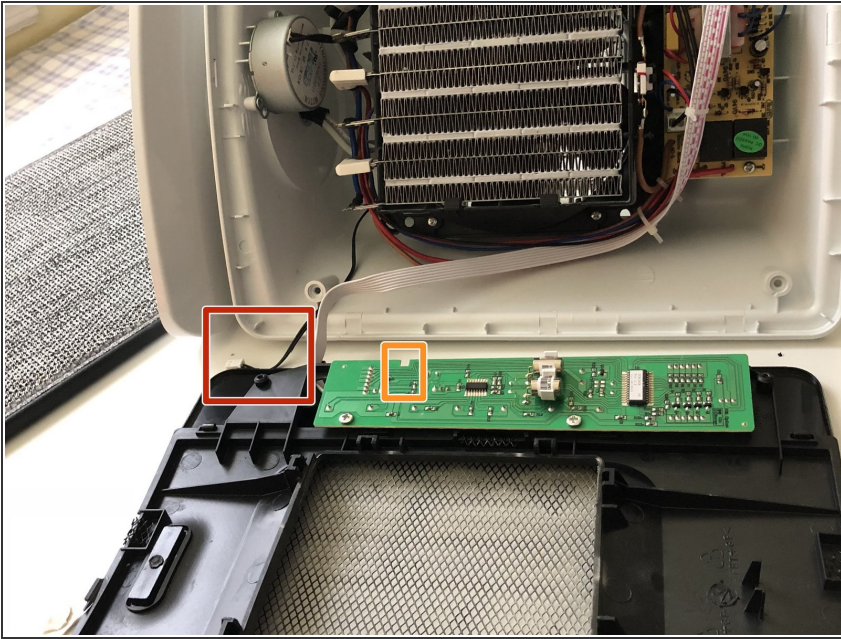
- ❗ It's time to test our work. Before fully reassembling the Heater.
- STEP 1 - Plug the cables back in carefully.
- STEP 2 - with the Heater standing upright, position the Circuit Board upright as well; if you have to adjust the cable so it will stay do so, or even tape it temporarily works to.
- ❗ Be Advised if the Circuit Board is not upright you will get a blinking green decimal on the panel. This means that the trip sensor is activated since the sensor is in this Circuit Board.
- Once everything is in place, plug the heater in, which should have been near a circuit before starting.
- ❗ You should hear a click sound which is the thermostat, and then no more beeps! Try out your panel buttons they should all work and be silent.

## Step 7 — Reassembling the Heater - Part II



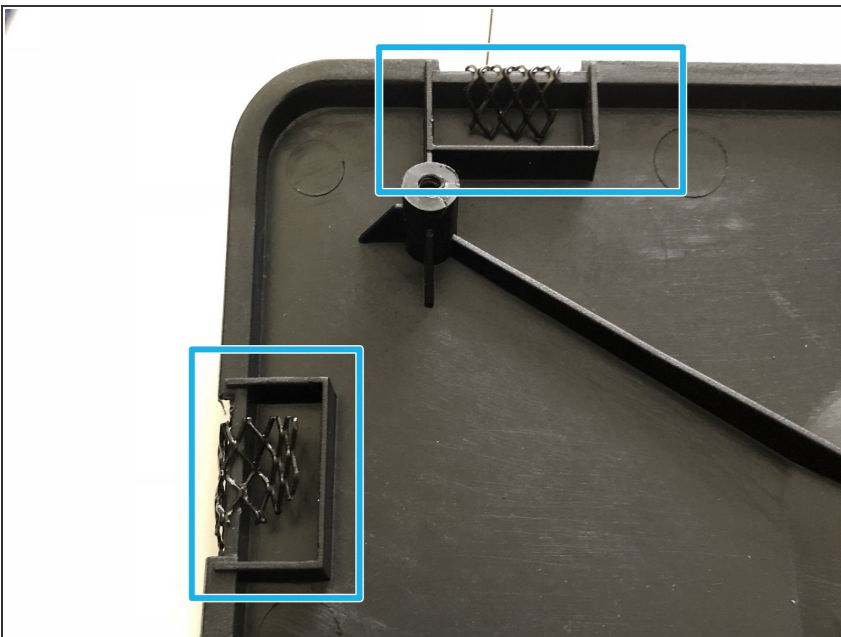
- Make sure ONLY the larger plug is connected to the Circuit Board; we will connect the smaller one later to make it easier.
- Then make sure all the Spring are lined up correctly and seated in there spots.
- Press down on the Circuit Board until the board meets the cover and the Screw Holes are aligned with one another.
- ⓘ Make sure that the springs are still in alignment.
- Then with one hand, place your screws in and tighten them.
- ⚠ Be sure to stop the moment they get tight you don't want to crack the board.

## Step 8 — Reassembling the Heater - Part III



- Take the smaller cable as mention earlier and connected to back to the Circuit Board
- ⓘ You might have to lean over to get a good line of sight since its going to be a challenge.
- ⓘ I recommend getting the plug in the connector and then using a free hand with a flat head and careful pushing the tip of the flat head on the back of the connector and pushing it in.
- The Connection on the other side.

## Step 9 — Reassembling the Heater - Part IV



- Before you place to Front Cover back on make sure all the GRILL clips are pressed down.

## Step 10 — Project Completion



- A video demostarting a successful removal of the speaker and a silent working heater.

Congratulations. Your done. Enjoy your silent heater!