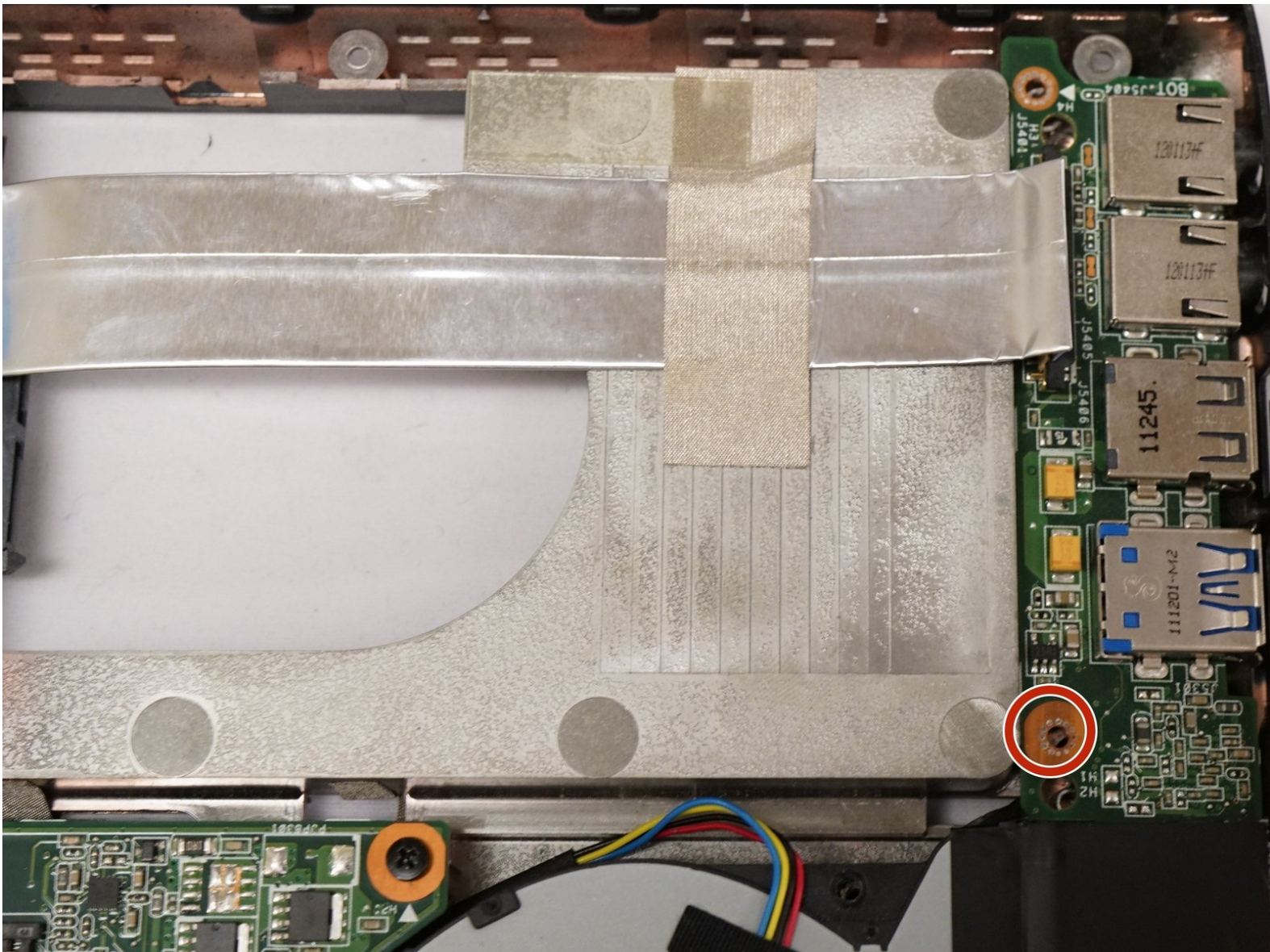




ASUS U46E-RAL7 Audio Board Replacement

Audio board replacement guide for the ASUS U46E-RAL7 Laptop.

Written By: Vanessa Ng



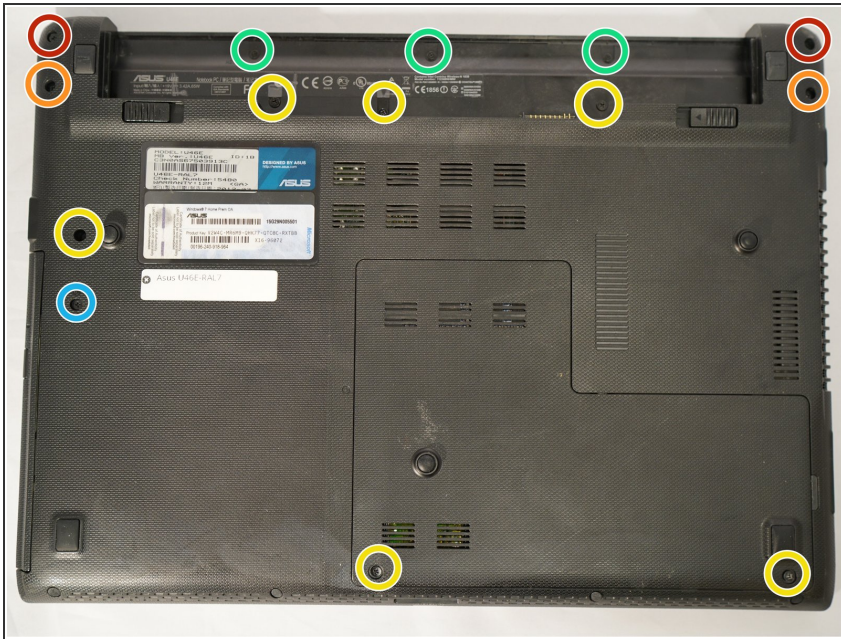
INTRODUCTION

In this guide, the user will be able to follow step-by-step instructions for replacing the audio board in his or her ASUS U46E-RAL7 Laptop.

TOOLS:

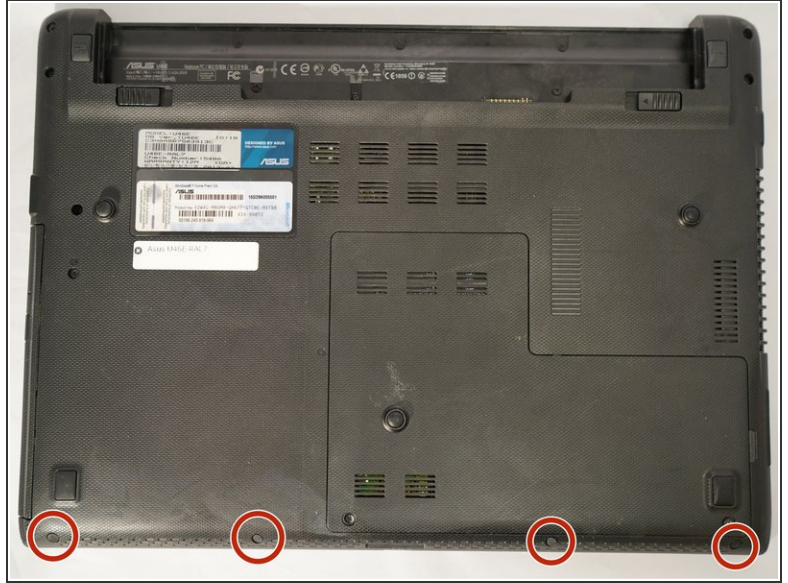
- [iFixit Opening Tools](#) (1)
 - [Phillips #0 Screwdriver](#) (1)
 - [Tweezers](#) (1)
-

Step 1 — ASUS U46E-RAL7 Back Panel Removal Guide



- Remove two (2) 9mm x 4mm screws from the back panel with the size 0 Phillips head screwdriver.
- Remove two (2) 7mm x 4mm screws from the back panel with the size 0 Phillips head screwdriver.
- Remove six (6) 7mm x 4mm screws with the size 0 Phillips head screwdriver.
- Remove three (3) 3mm x 3mm screws with the size 0 Phillips head screwdriver.
- Remove one (1) 4mm x 4mm screws with the size 0 Phillips head screwdriver.

Step 2



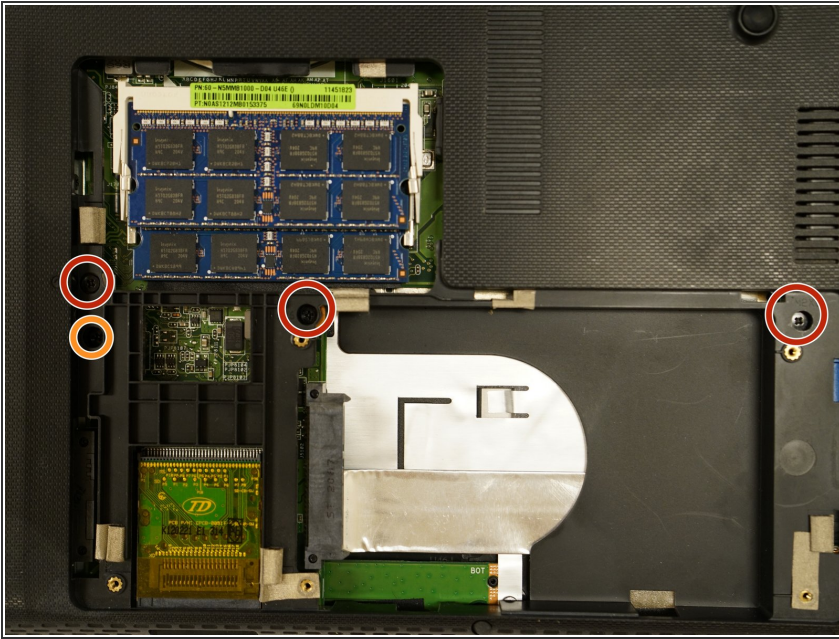
- Remove the rubber caps (4) with the tweezers. If the rubber caps are not removed easily, pull gently. The caps are glued down.
- Remove four (4) 7mm x 4mm screws with the size 0 Phillips head screwdriver.

Step 3



- Remove the L shaped panel with the plastic opening tool by inserting it into the indent along the USB port side of the laptop.
- Push down gently on the plastic opening tool until part of the panel pops up.
- Use your fingers to pop the panel off.

Step 4



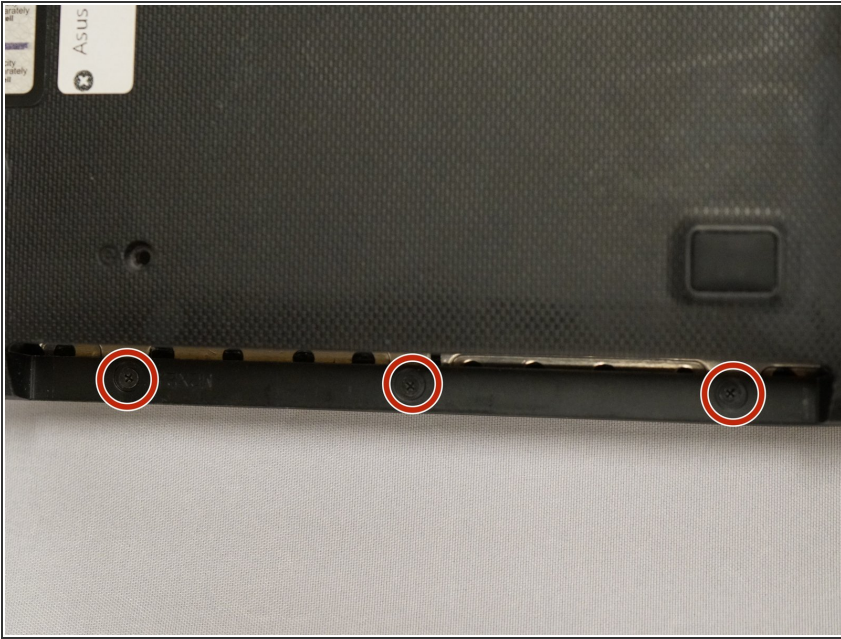
- Remove three (3) 5mm x 4mm screws with the size 0 Phillips head screwdriver.
- Remove one (1) 4mm x 4mm (closest to the battery) screw with the size 0 Phillips head screwdriver.

Step 5



- Remove the CD ROM drive by inserting the plastic opening tool between the drive and the laptop's side.
- Push down gently to eject the drive.
- Pull the drive straight out to remove the part from the laptop.

Step 6



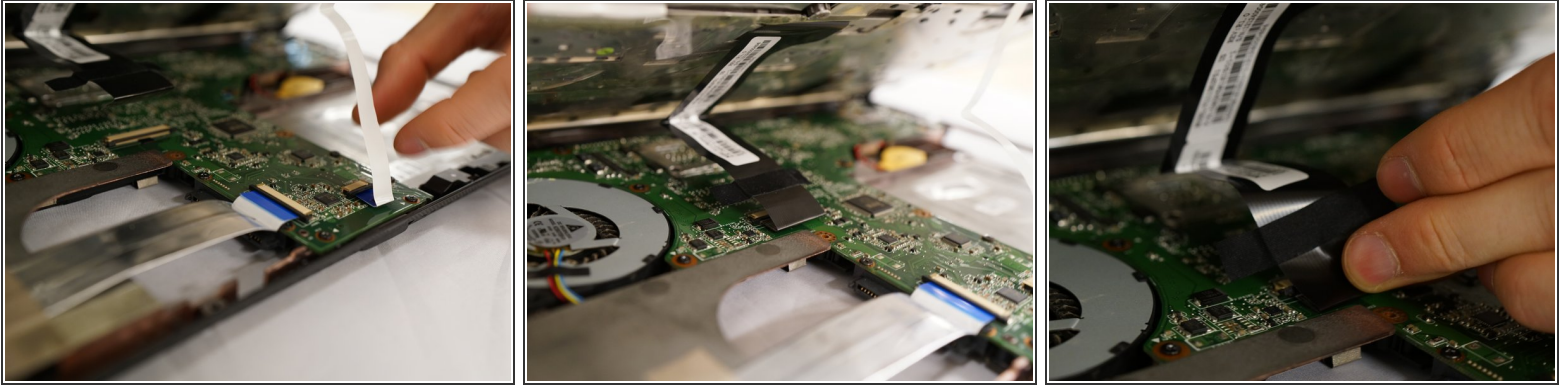
- Remove three (3) 3mm x 3mm screws with the size 0 Phillips head screwdriver.

Step 7



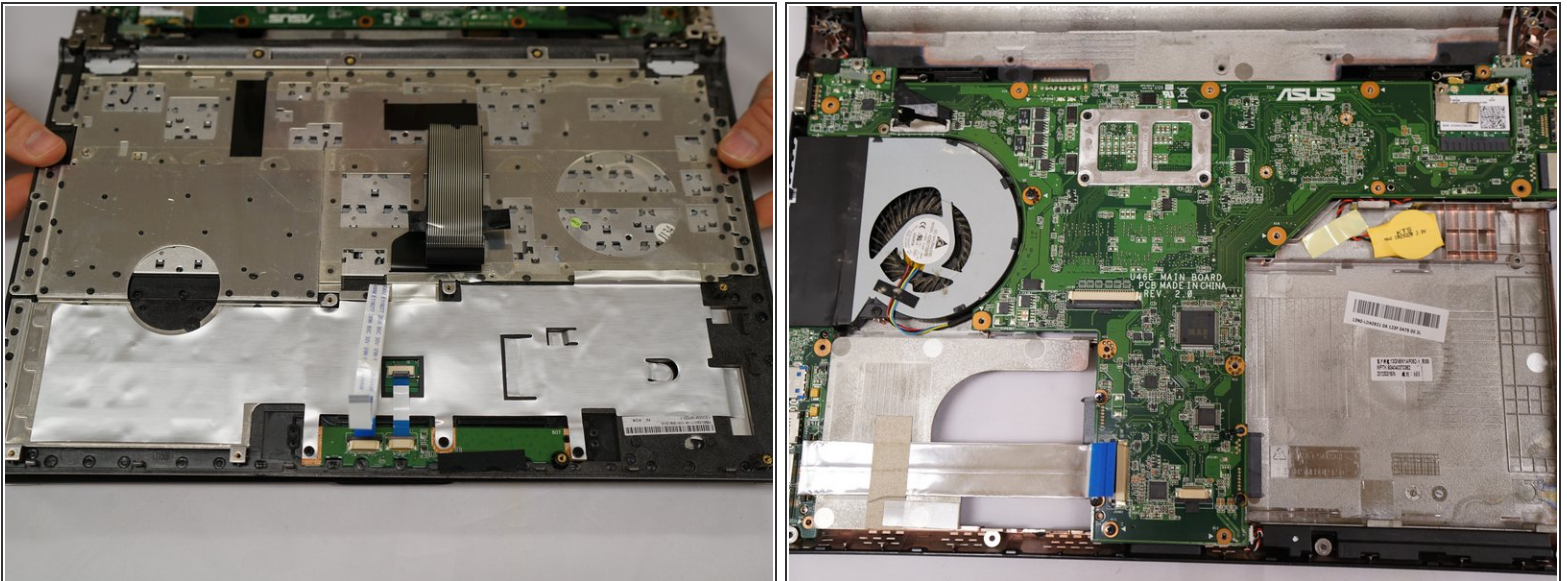
- Flip the device so that the laptop will open away from you to remove the hinge cover behind the screen.
- Place index fingers underneath the hinge cover and gently pull up.
- The cover will pop off easily with a click.
- Remove five (5) 5mm x 4mm screws from the hinge compartments of the device with the size 0 phillips head screwdriver.

Step 8



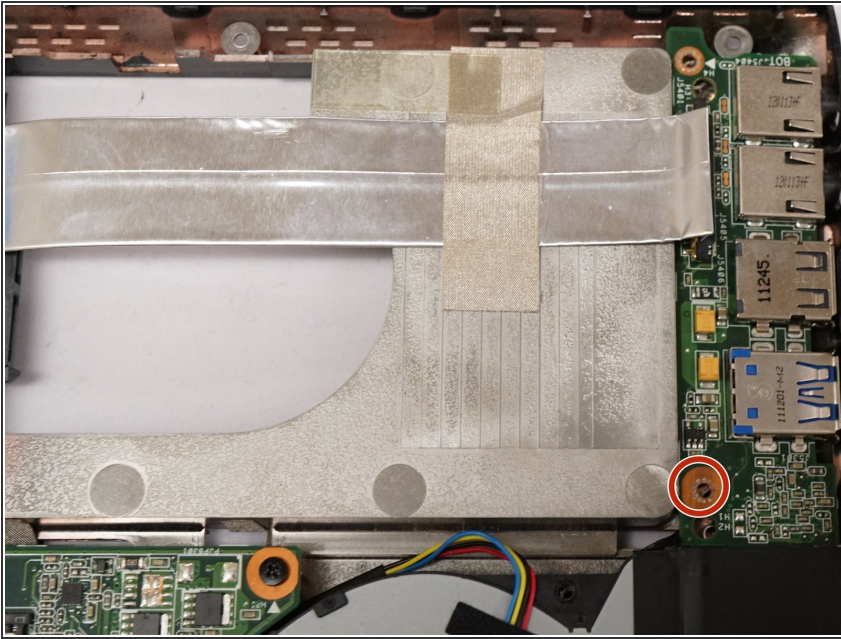
- Open the screen.
- Carefully lift the keyboard panel. The keyboard will be attached to the motherboard by two ribbons.
- To disconnect the ribbons, use your fingernails to push down gently on the protruding plastic at the base of the connector. There is a soft click and ribbon releases. Repeat for the other ribbon.

Step 9



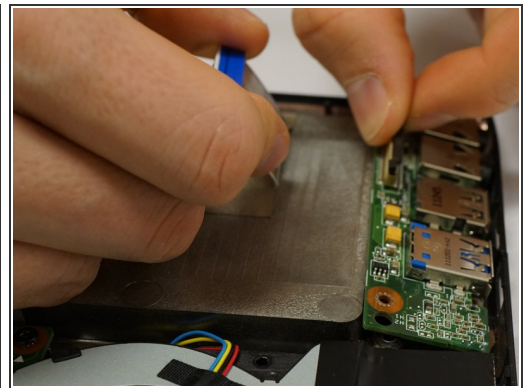
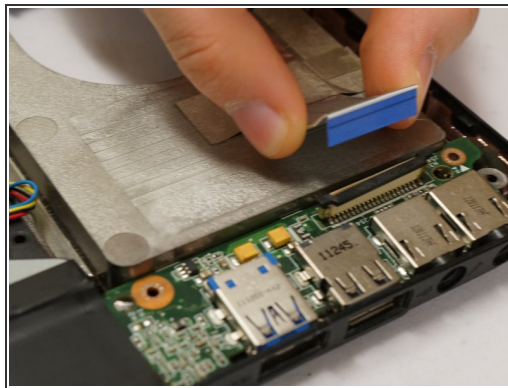
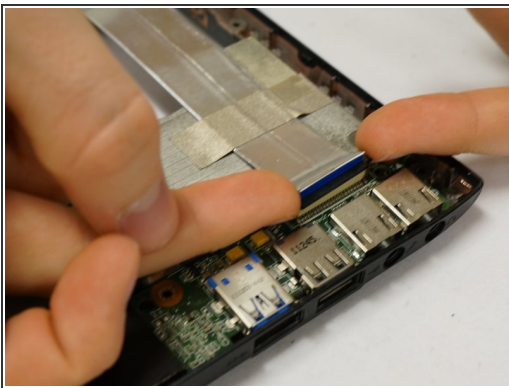
- Remove the keyboard from the computer to reveal the motherboard.

Step 10 — Audio Board



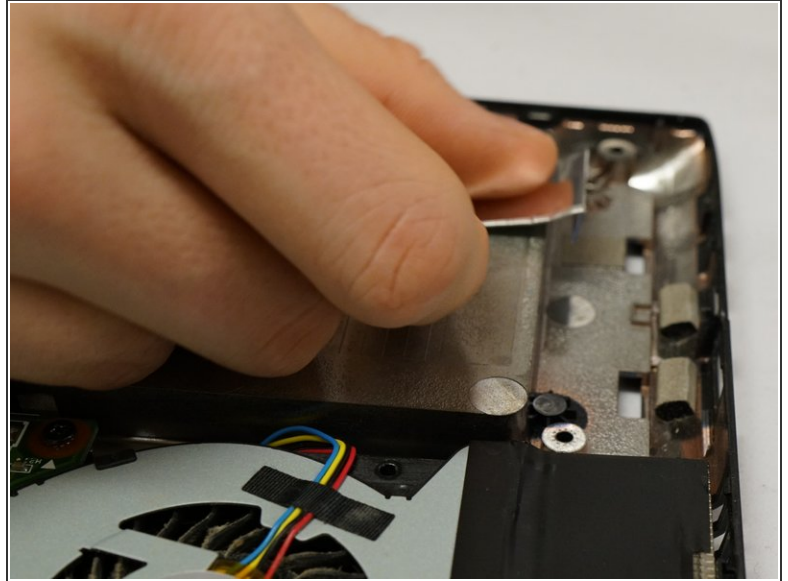
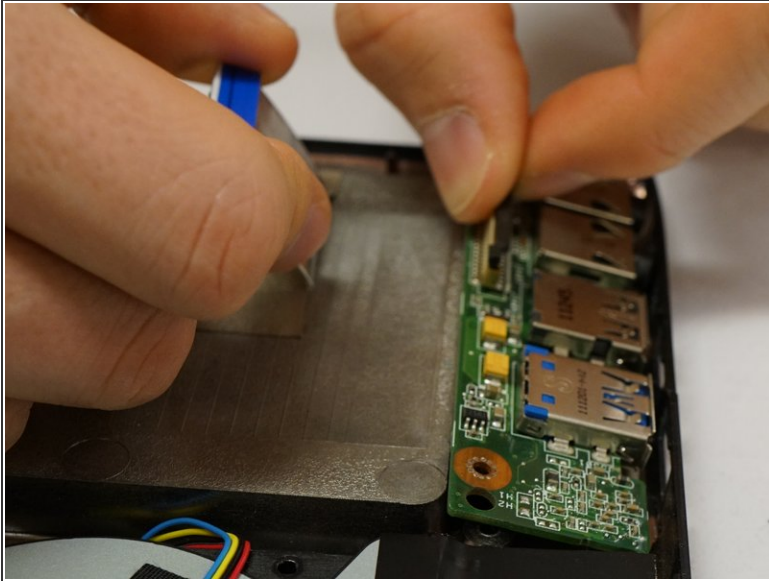
- Remove one (1) 5mm x 4mm screw with the size 0 Phillips head screwdriver.

Step 11



- Pull up on the black ribbon connection on the audio board. The board will lift out of the device casting.

Step 12



- Using both hands pull the audio board out by pulling towards the center of the device and then up to remove.

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