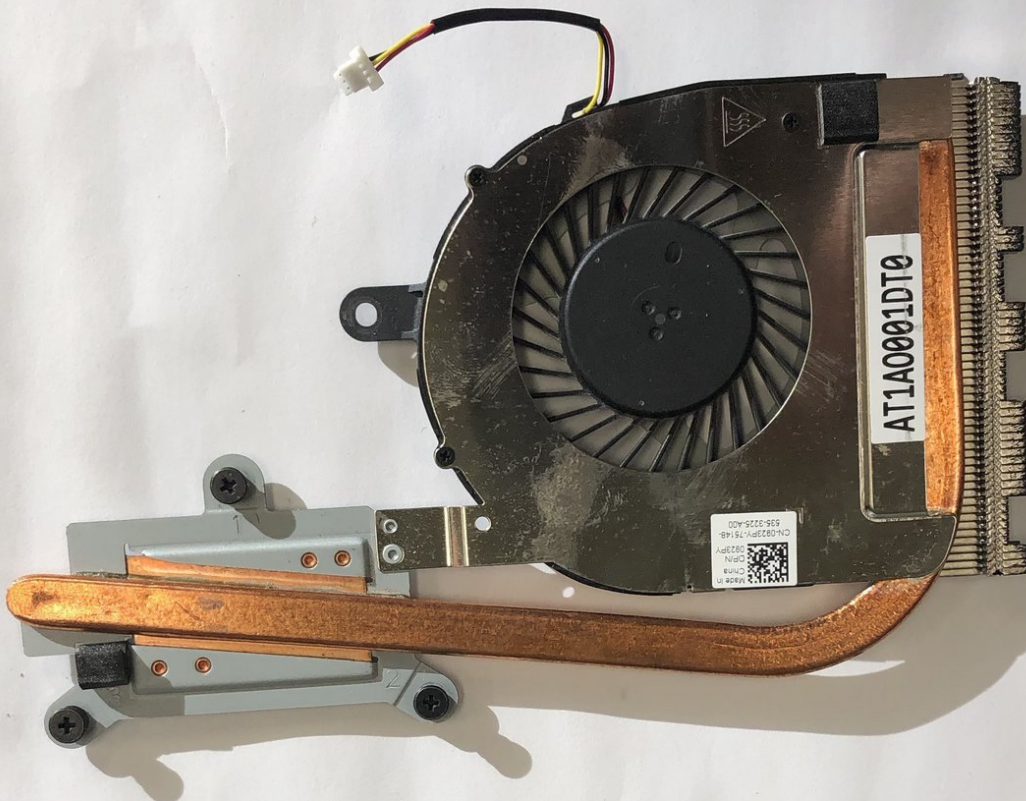




Dell Inspiron 5758 Heatsink and Fan Replacement

This is a guide for replacing the heatsink and fan of a Dell Inspiron 5758.

Written By: Blase Martin



INTRODUCTION

If your Dell Inspiron 5758 is overheating and throttling, it may be time to replace your fan and heatsink assembly.

Your fan and heatsink assembly transfers heat from your GPU and CPU to the environment. If the fan is not rotating or the heat-pipe is damaged, the GPU and CPU will get too hot and they will throttle their frequency to reduce temperature. The laptop's performance will then slow down during heavy loads.

Before using this guide, verify that the ventilation on the bottom of the laptop is not obstructed or dirty. This will prevent the fan and heatsink from operating efficiently.

Electronics are sensitive to ESD. You must use ESD-safe tools and a mat. [Here is a link for using an anti-static mat and wristband.](#)

The heatsink will require new thermal paste. [Here is a link detailing how to remove the old paste and how to apply the new paste.](#)

The laptop must be unplugged and the battery removed before opening the laptop. Step 1 and 2 cover removing the battery.



TOOLS:

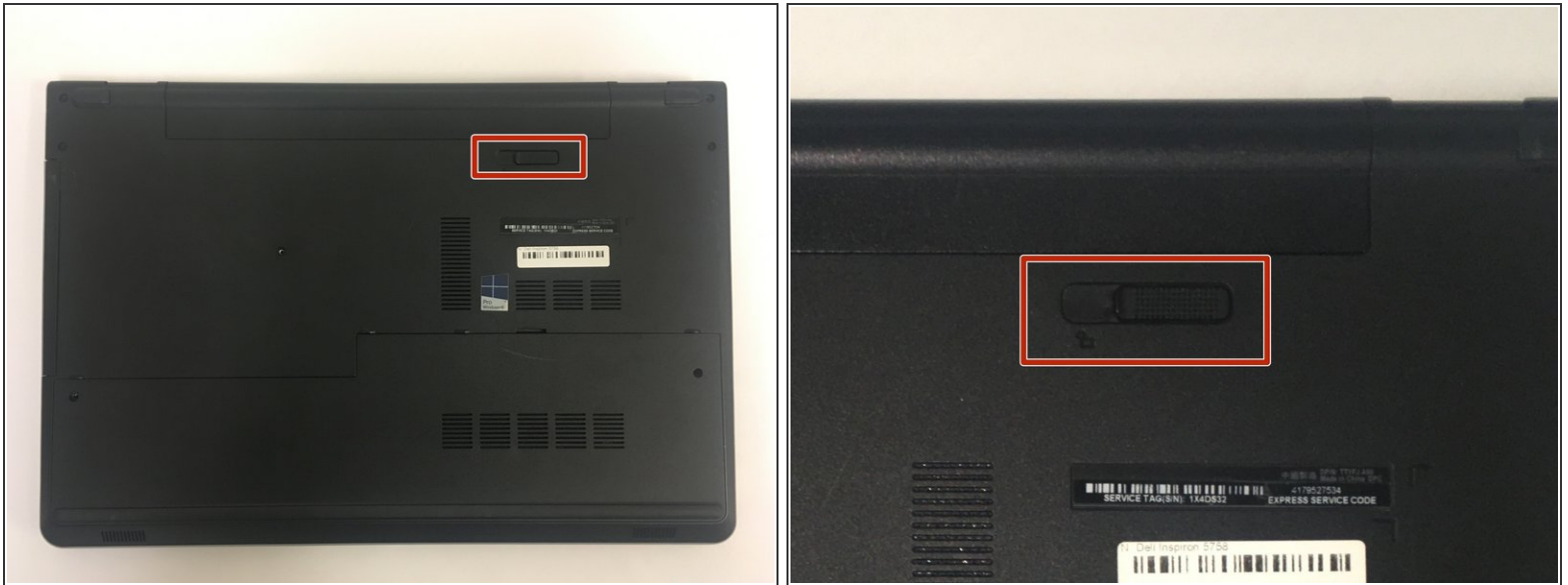
- [Metal Spudger](#) (1)
- [JIS #000 Screwdriver](#) (1)
- [JIS #00 Screwdriver](#) (1)
- [iFixit Opening Tools](#) (1)
- [Spudger](#) (1)
- [Thermal Paste](#) (1)



PARTS:

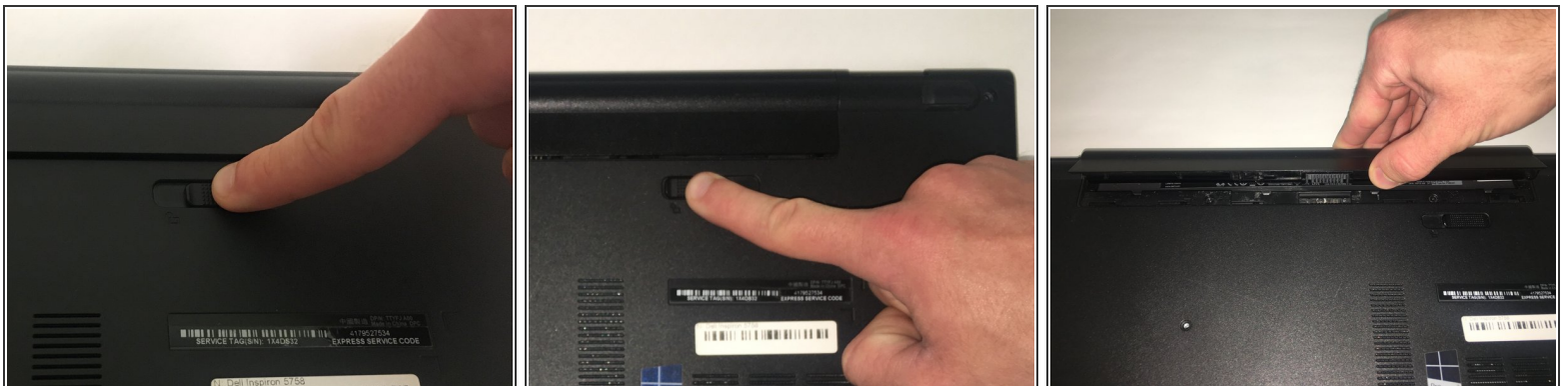
- [Dell Inspiron 17 5758 CPU Heatsink and Fan for Integrated Intel Graphics](#) (1)

Step 1 — Battery



- Flip the laptop with the serial number facing up. You should be able to see the battery release switch.

Step 2



- Slide the battery release switch towards the unlock icon.
 - ❗ You should hear a click.
- Lift and pull the ejected battery to remove it.

Step 3 — DC Jack



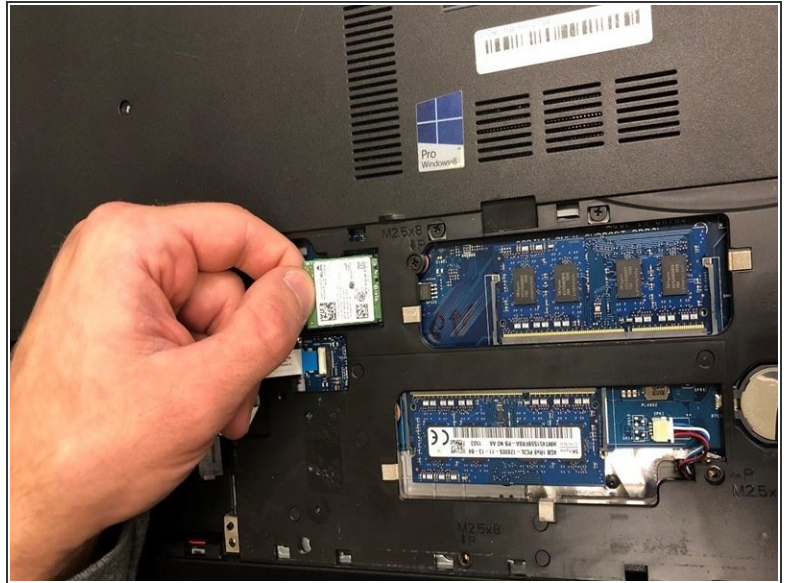
- Remove the one 3mm optical drive screw.
- Remove the two 8 mm screws.
- Pry up and remove the access door.

Step 4



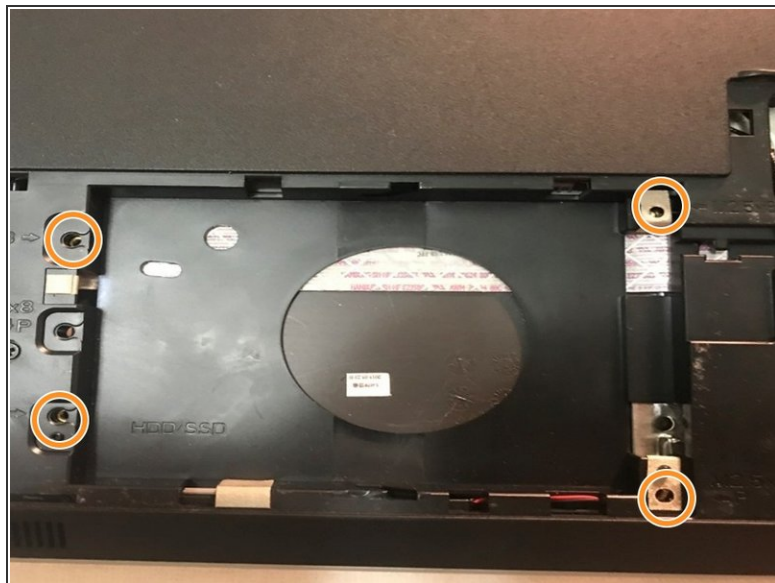
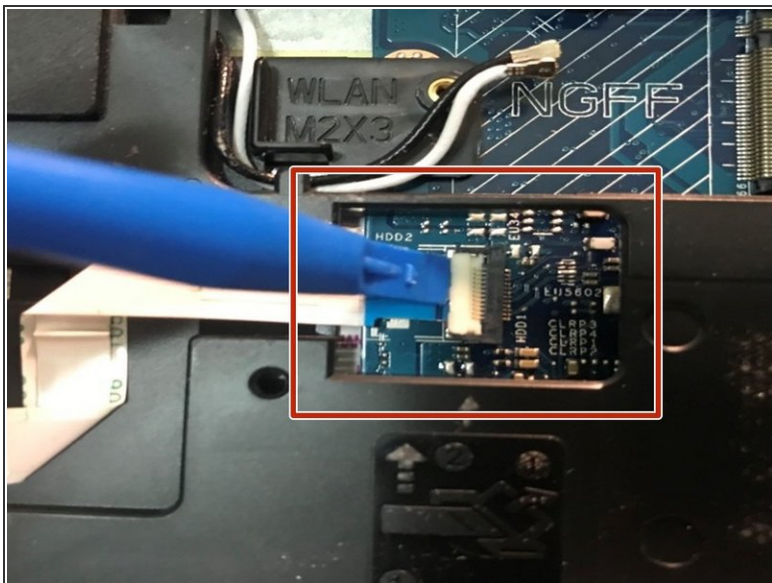
- Remove the one 3 mm screw.
- Remove the bracket.

Step 5



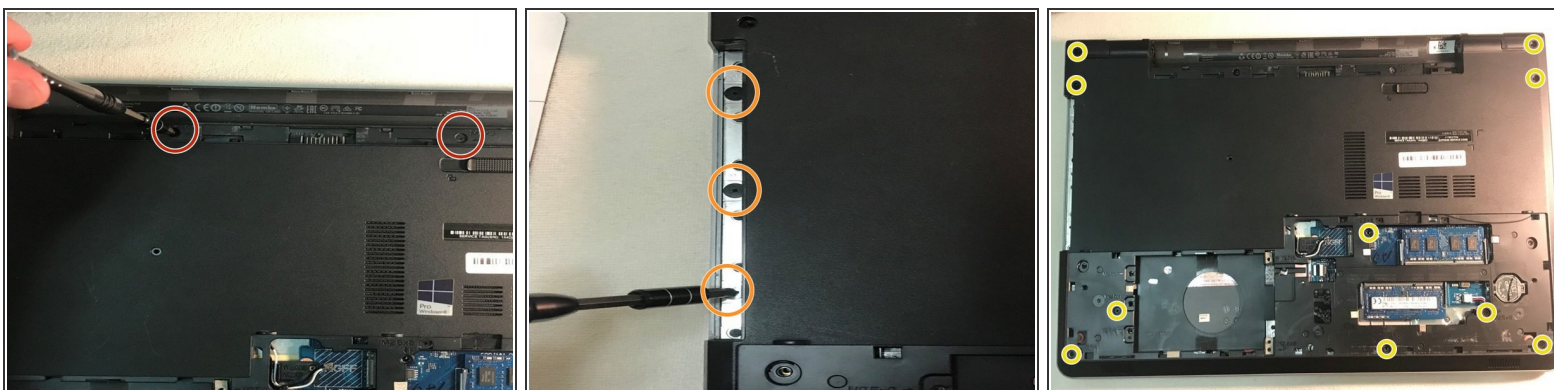
- Unplug the antenna cables.
- Remove the Wireless Card.

Step 6



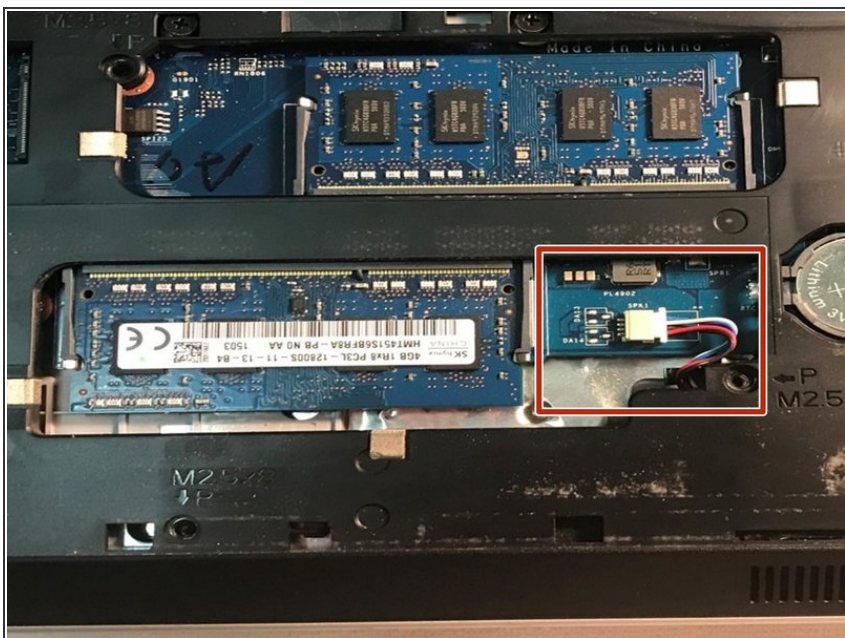
- Unplug the hard drive cable.
 - Use a plastic opening tool or your fingernail to pop the tab of the cable connector. Then you will be able to disconnect the cable.
- Remove the four 8 mm screws.
- Remove the hard drive.

Step 7



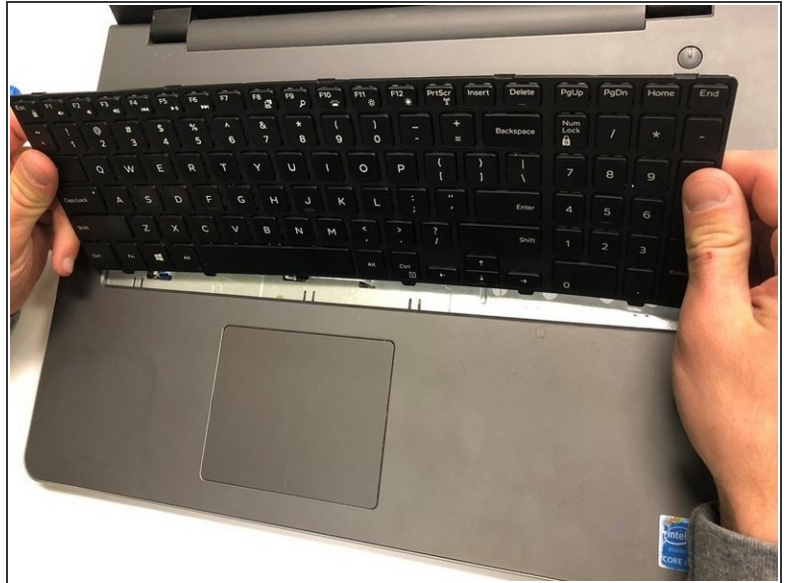
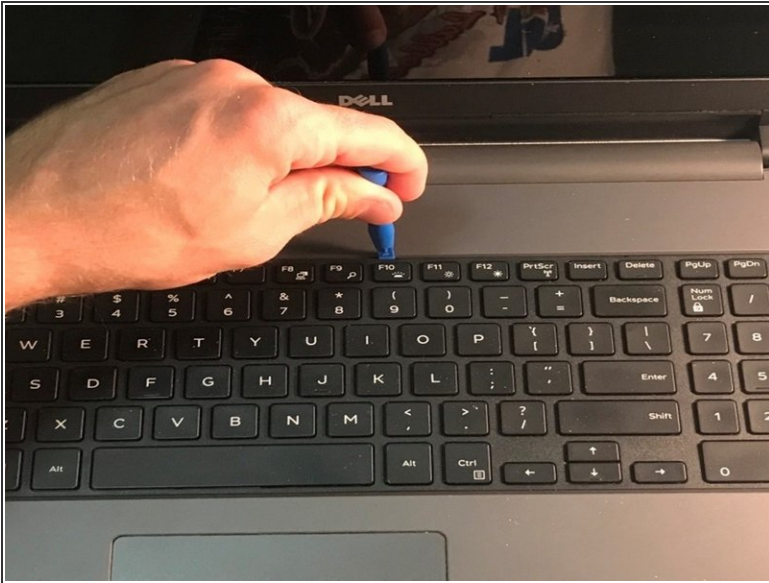
- Remove the two 3 mm screws under the battery.
- Remove the three 2 mm wafer screws under the optical drive.
- Remove the ten 8 mm base screws.

Step 8



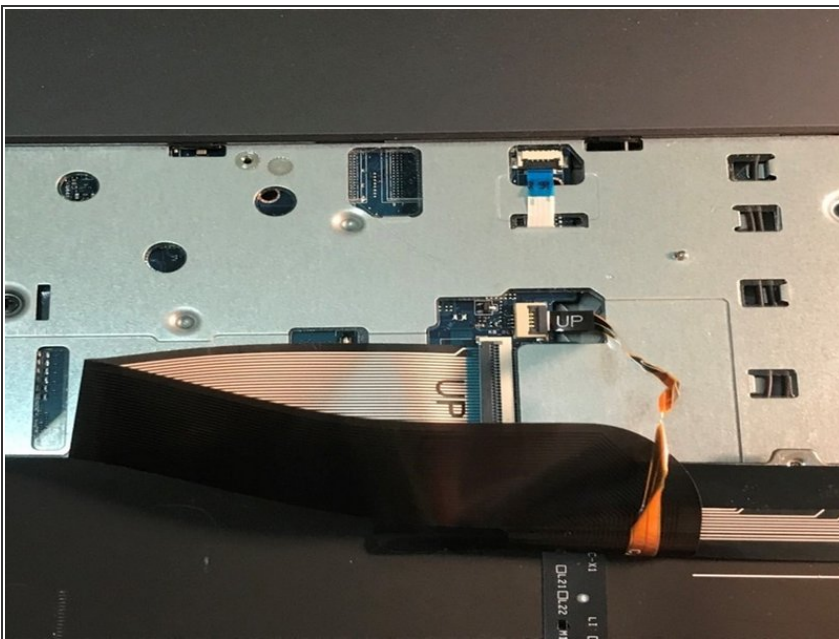
- Unplug the speaker cable by sliding to the right.

Step 9



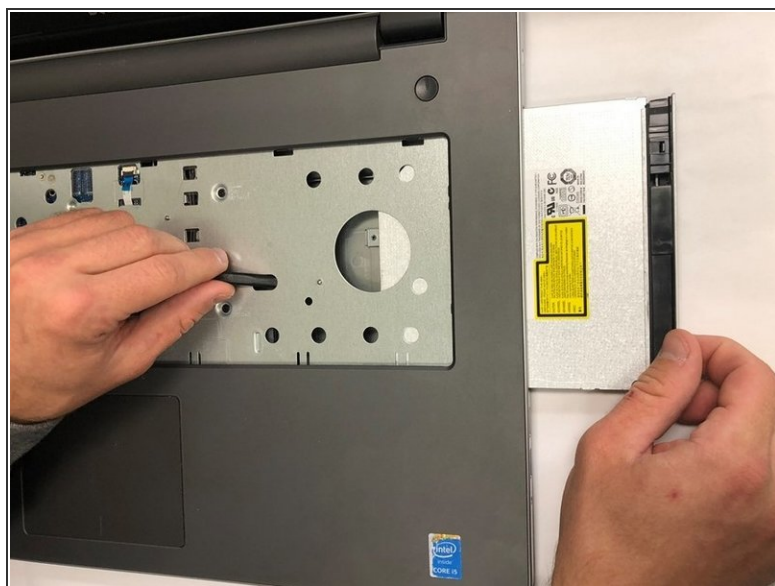
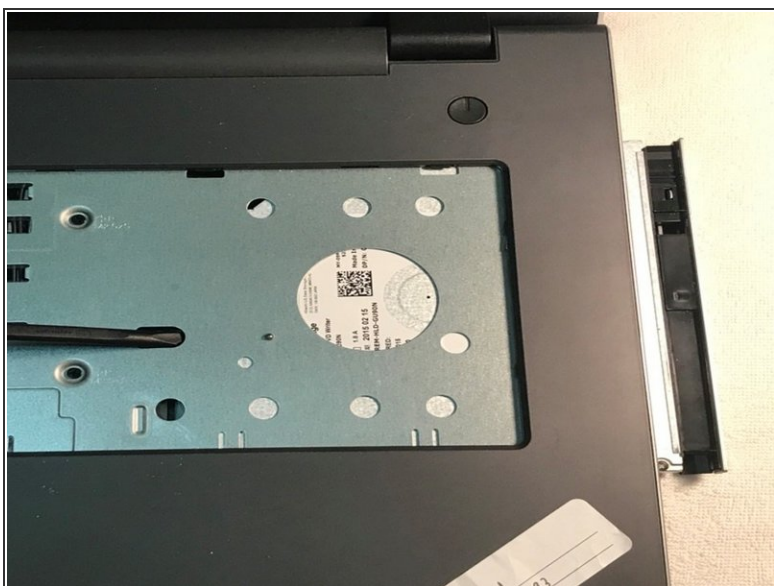
- Press in the tabs to loosen the keyboard.
- Carefully lift the keyboard up and turn it over.

Step 10



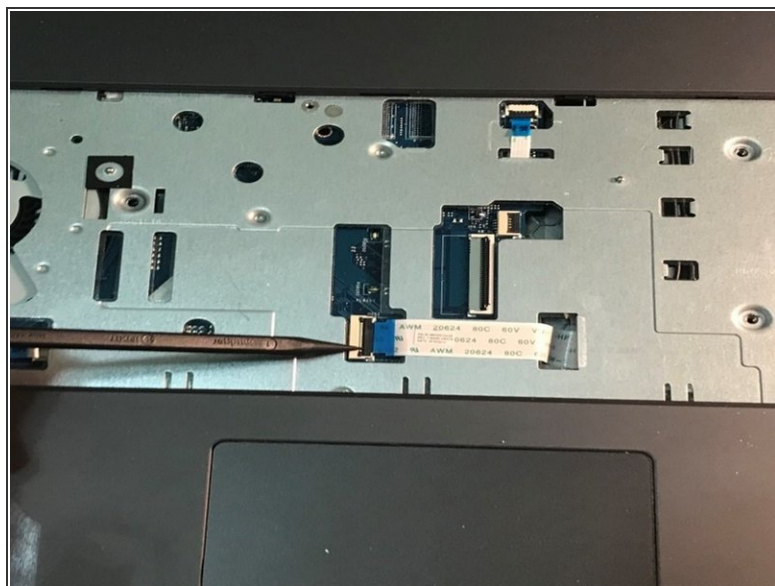
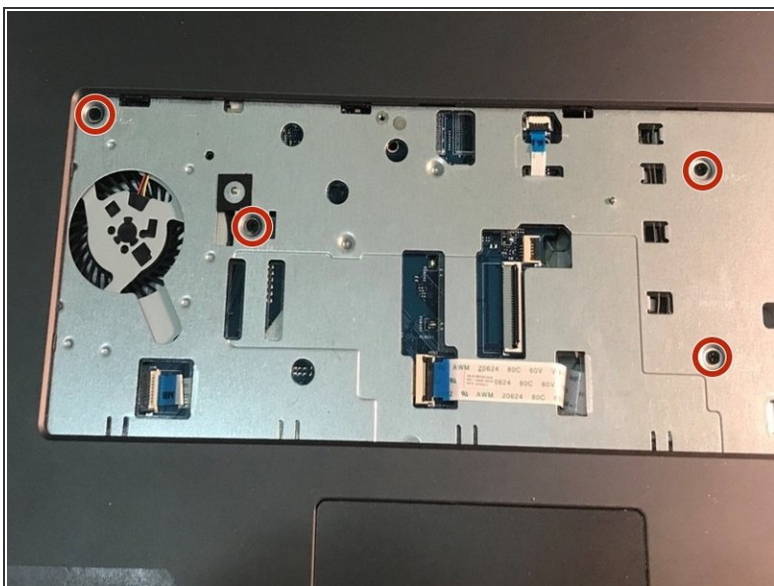
- Unplug the keyboard cable & remove the keyboard.

Step 11



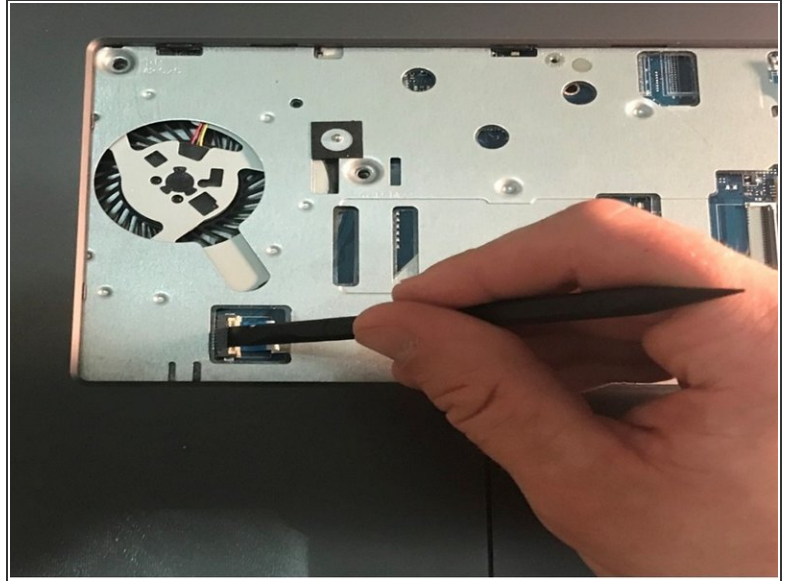
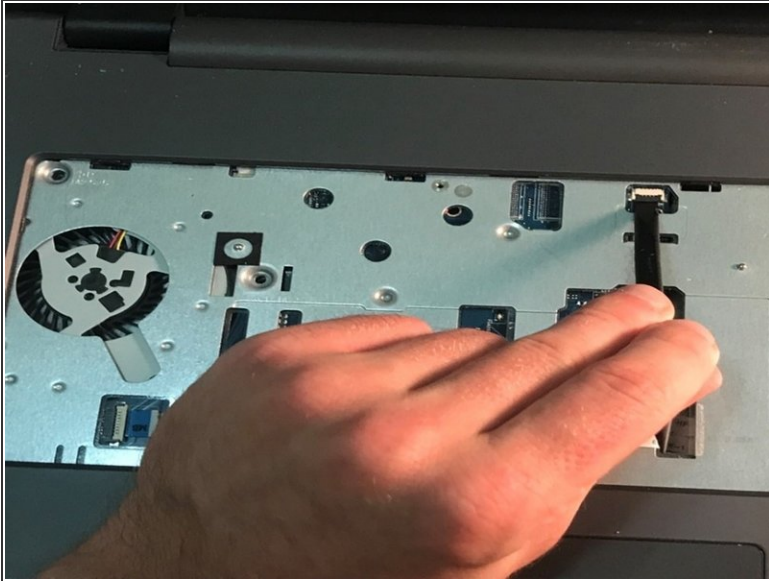
- Slide the DVD optical drive over & remove it from the laptop.

Step 12



- Remove the four 5 mm screws.
- Unplug the optical drive interposer cable.

Step 13



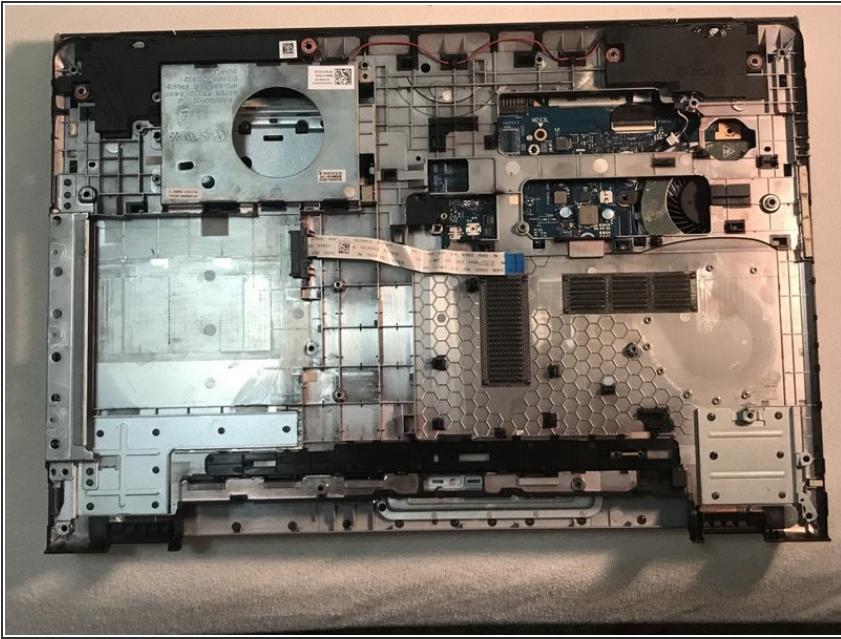
- Unplug the power button cable.
- Unplug the touchpad cable.

Step 14



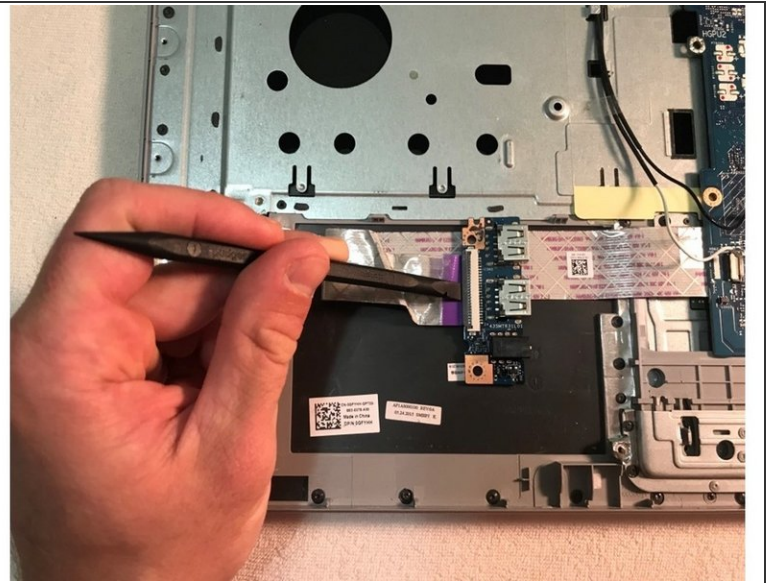
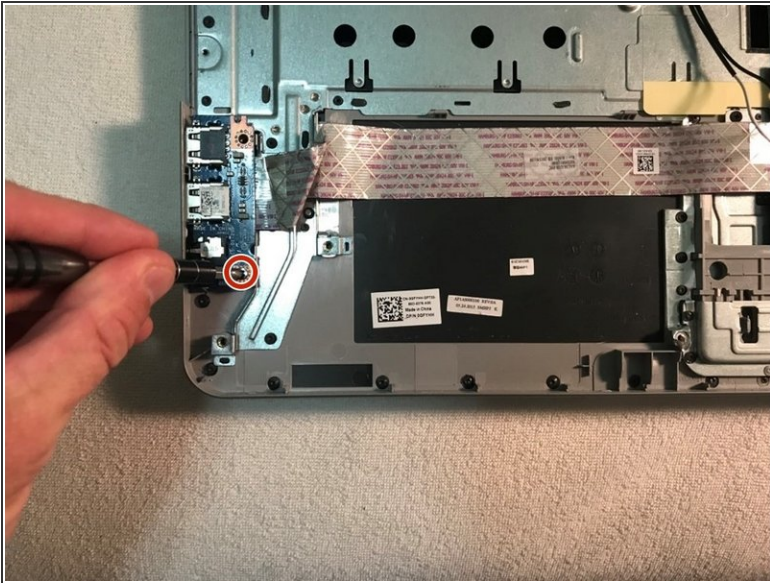
- Carefully pry off & loosen the bottom base.

Step 15



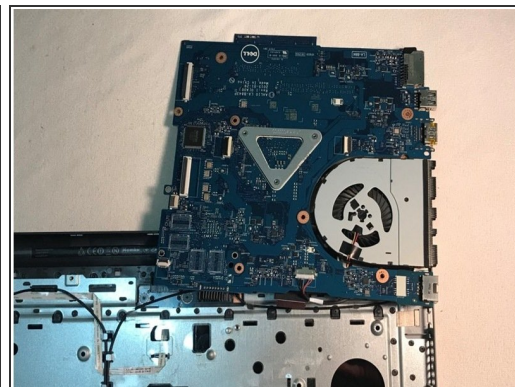
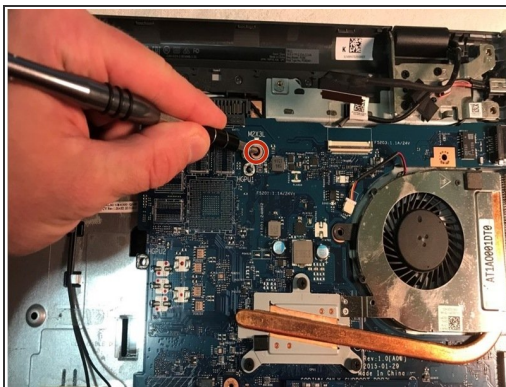
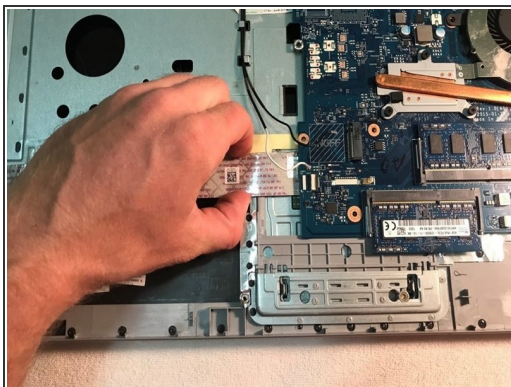
- Remove the bottom base.

Step 16



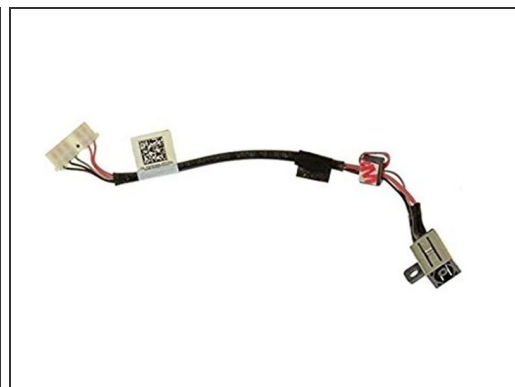
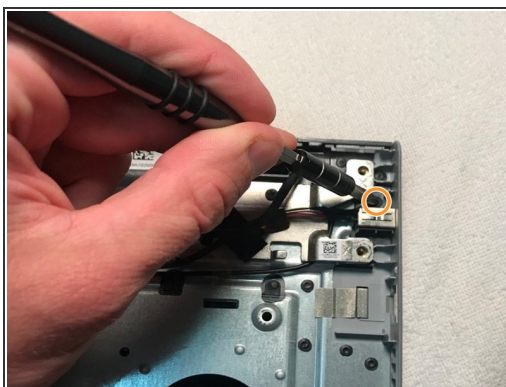
- Remove the one 5mm screw.
- Lift the circuit board & turn it over.
- Unplug the cable.
- Remove the audio/USB circuit board.

Step 17



- Loosen the audio / USB cable.
- Remove the one 3mm motherboard screw.
- Lift the motherboard & carefully move it out of the way.

Step 18



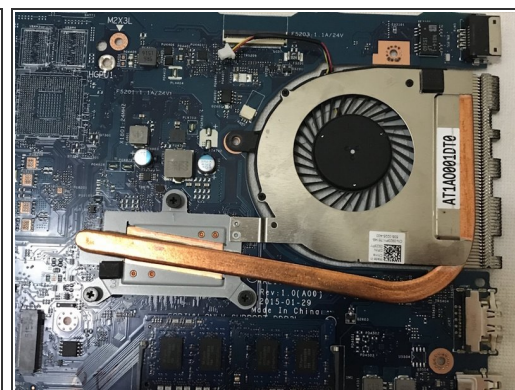
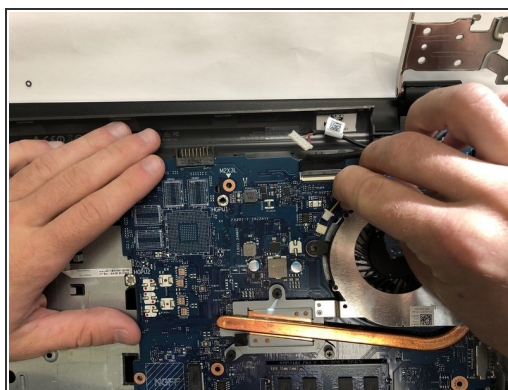
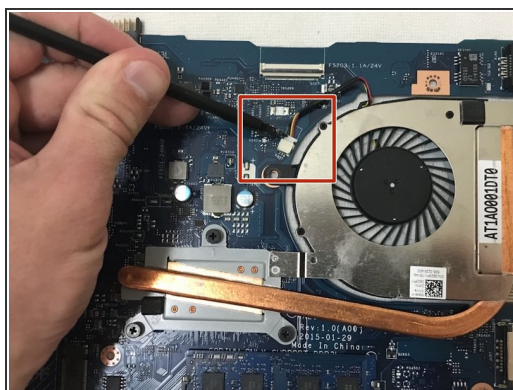
- Unplug the DC jack cable.
- Remove the one 3mm screw.
- Remove the DC Jack.

Step 19 — Heatsink and Fan



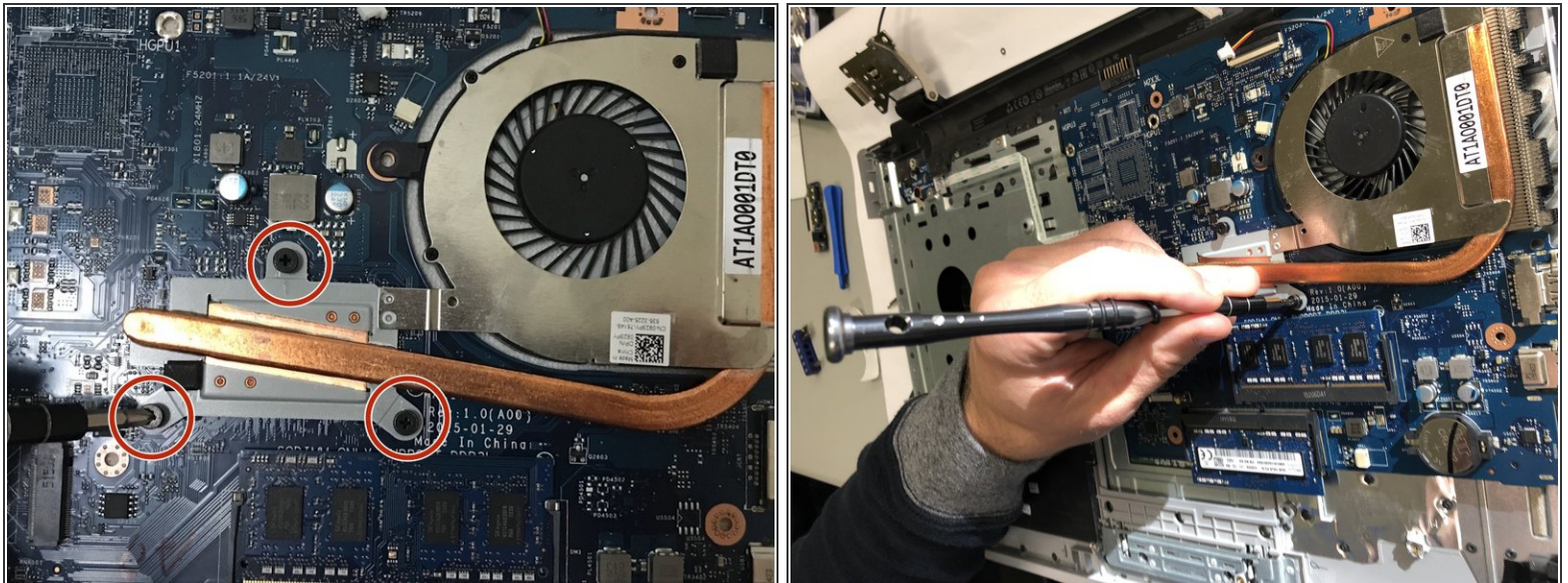
- After removing the bottom base, you can access the heatsink and fan, which is attached to the motherboard.

Step 20



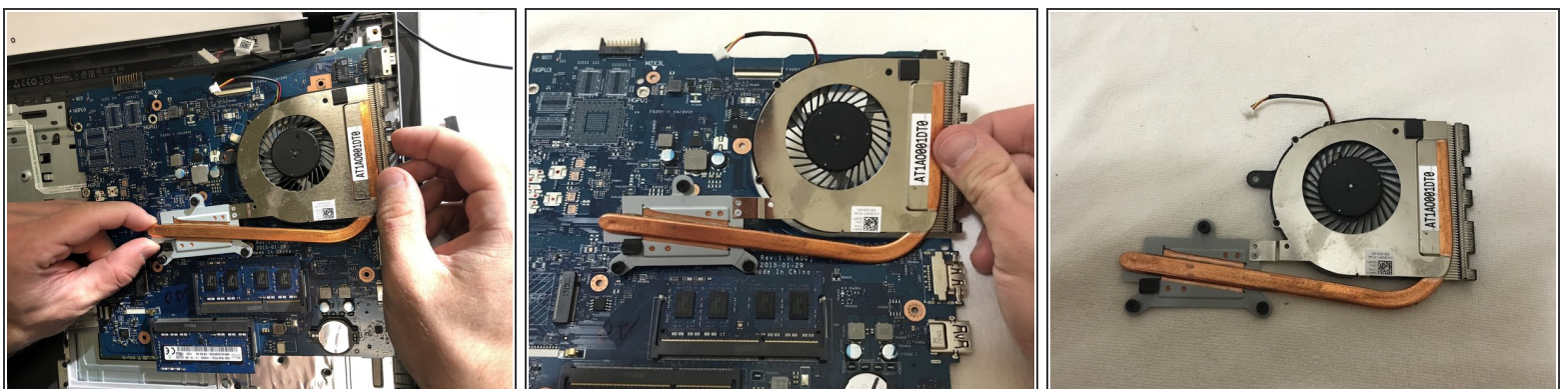
- Unplug the cable that connects the heatsink and fan to the motherboard.

Step 21



- Loosen the three 5mm screws that connect the heatsink and fan to the motherboard.
- ⓘ The screws stay attached to the heatsink and fan. You cannot pull them out, only loosen them.

Step 22



- Remove the heatsink and fan from the motherboard. You can now clean or replace it as you see fit.

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