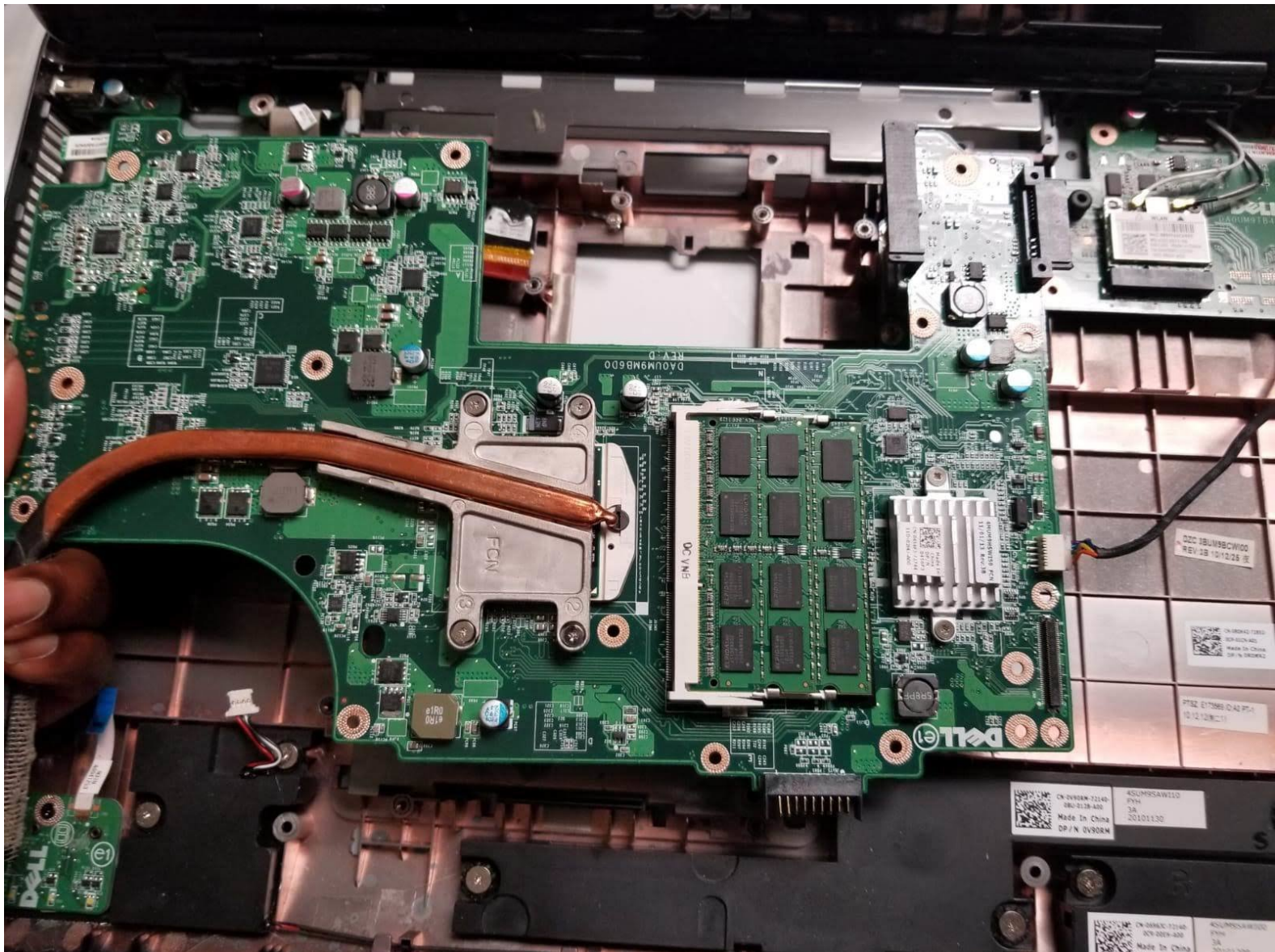




Dell Inspiron 17R-N7010 Motherboard Replacement

This guide will inform you on how to replace the Dell Inspiron 17R-N7010 motherboard.

Written By: frank scott



INTRODUCTION

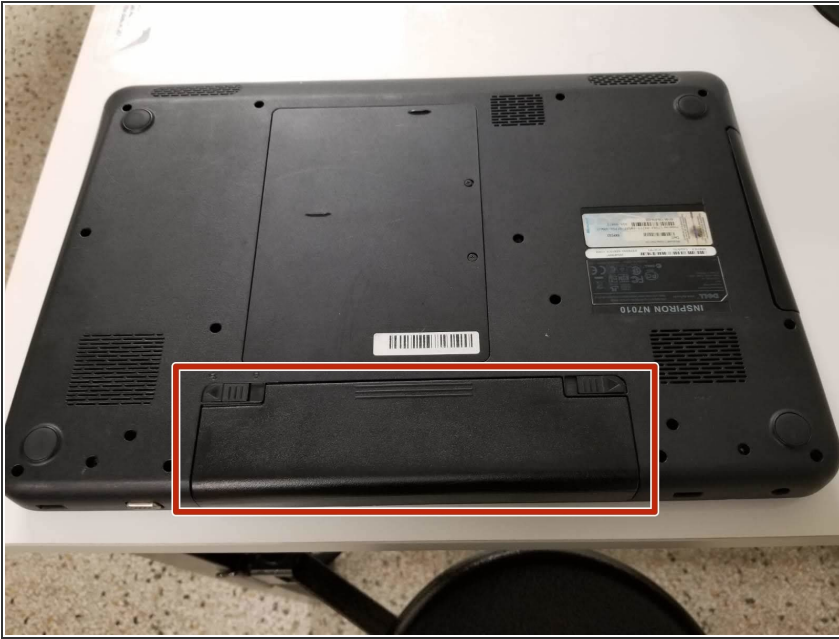
If you want to change/upgrade your motherboard or it is damaged in anyway, this guide will show you how to replace it on your Inspiron.



TOOLS:

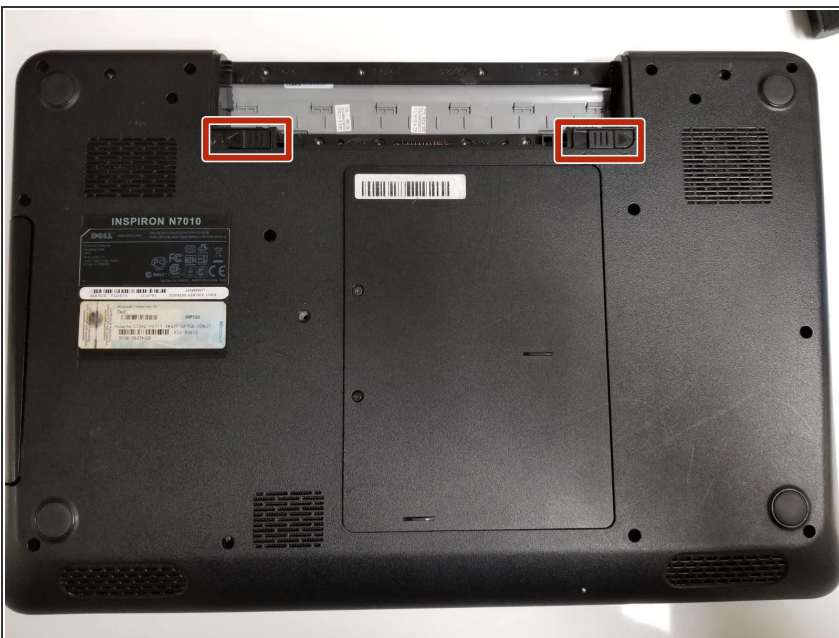
- [Spudger](#) (1)
 - [Phillips #0 Screwdriver](#) (1)
-

Step 1 — Battery



- ⚠ Power off the laptop before continuing disassembly.
- Flip the laptop over and locate the battery compartment.

Step 2



- To remove the battery, slide both locks away from the center of the battery.
- After a click is heard, the battery can then be pulled out.
- ★ To reinstall the battery, slide the battery back into place in the same orientation you had removed it. Push it into place until you hear a click.

Step 3 — Palm Rest



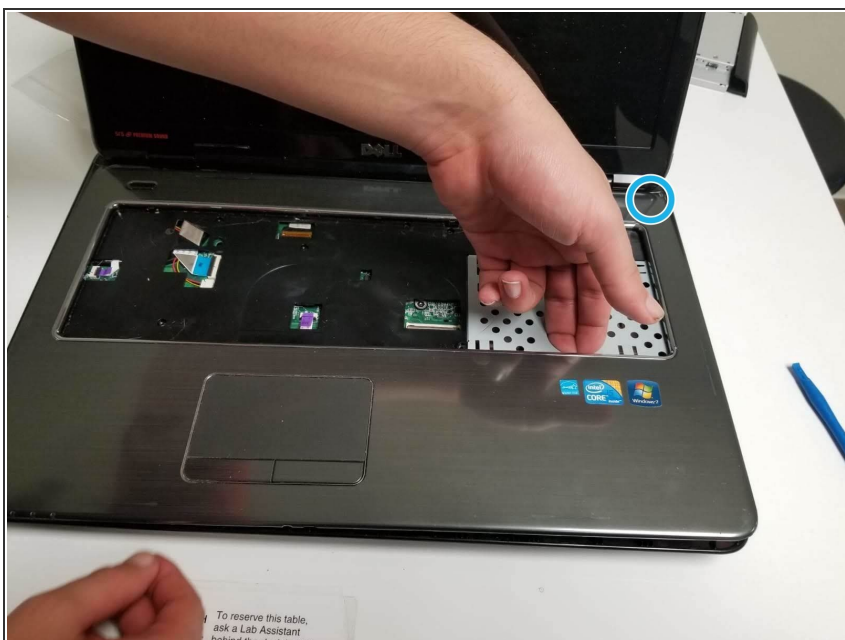
- Still looking at the back of the laptop, locate and unscrew the four screws highlighted in green.
- Flip the laptop over and open it to view the face of the keyboard.
- ❗ The keyboard is connected to the laptop by a thin wire marked in blue. To disconnect the keyboard from the laptop, lift up the latch holding the wire in place. This latch is boxed in blue.

Step 4



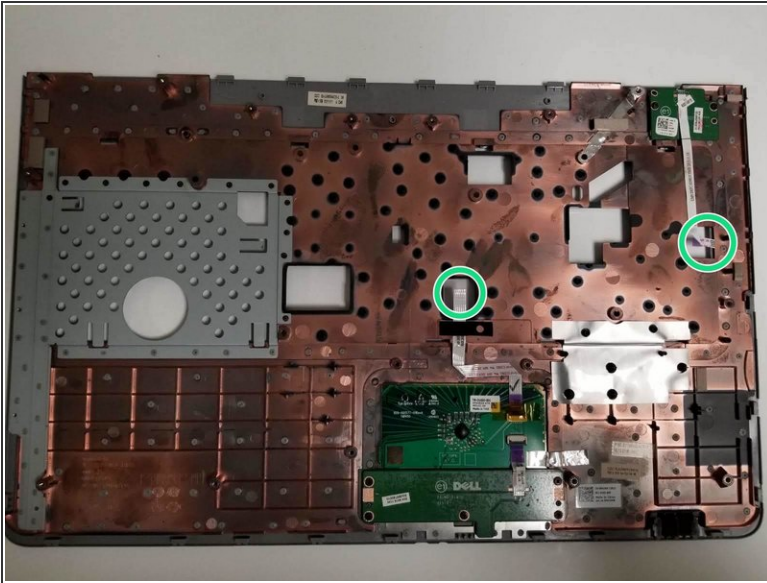
- Close the laptop again, flipping it back over to view the back once more. To remove the back cover, locate and unscrew the two screws marked in green.
- Following this, slide the CD drive out in order to locate and access the final three screws, which are marked in red.
- Remove these three screws.

Step 5



- i** This step may be tricky, and might feel like you are breaking the laptop. Following these steps carefully will ensure a safe disassembly of the device without damaging the hardware.
- To safely remove the top cover, insert a spudger underneath the grey surface where the blue circle is shown. Pry upwards with the spudger in order to detach the locks.
- Work clockwise starting from the indicated blue circle, inserting the spudger under the grey cover and lifting up in order to detach the locks.

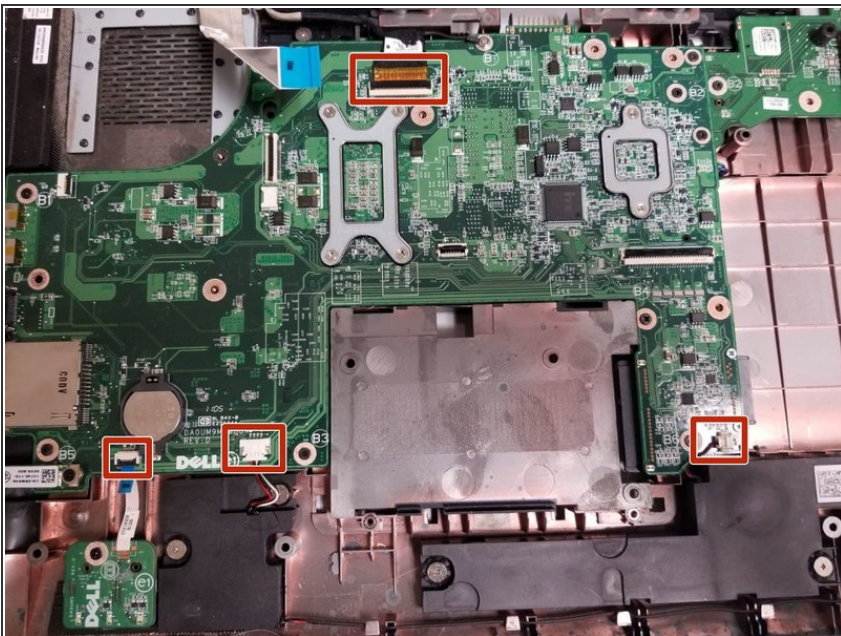
Step 6



⚠ Disconnect the wires circled in green before completely removing the top cover.

- Remove the cover to access the inner hardware of the laptop: motherboard, fans, processors, et cetera.

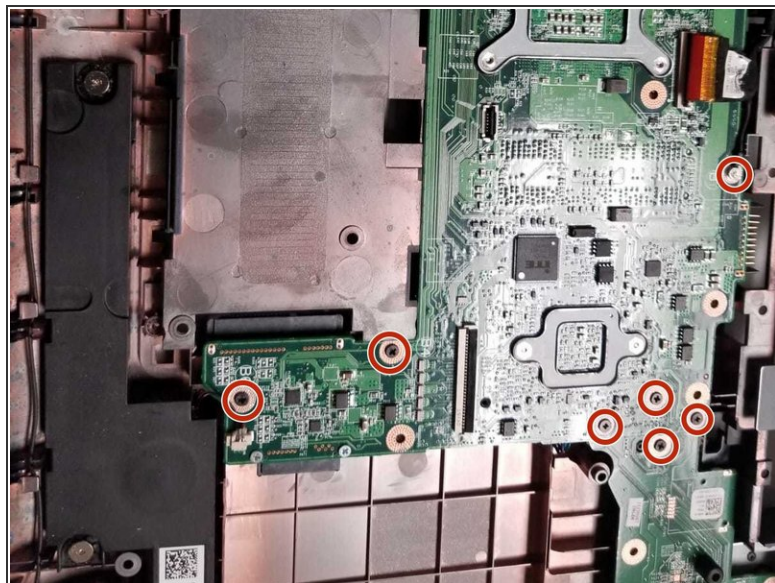
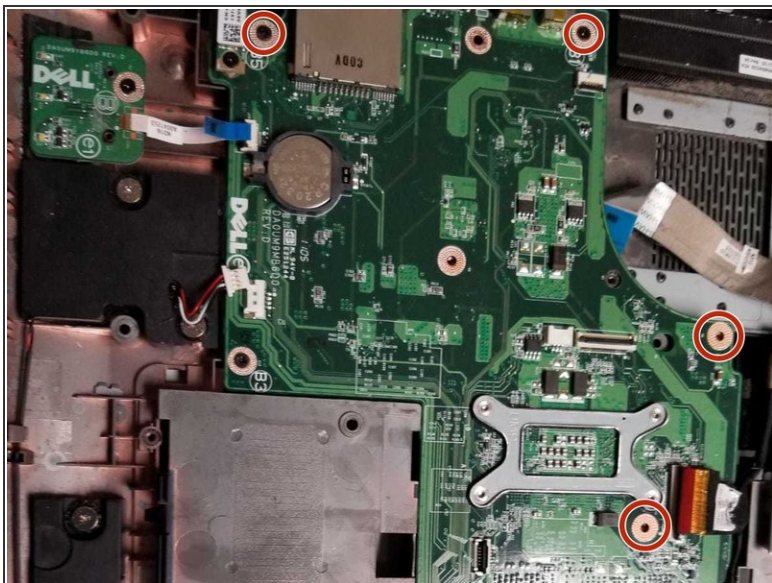
Step 7 — Motherboard



⚠ Make sure the SIM card has already been removed. If not, remove it now.

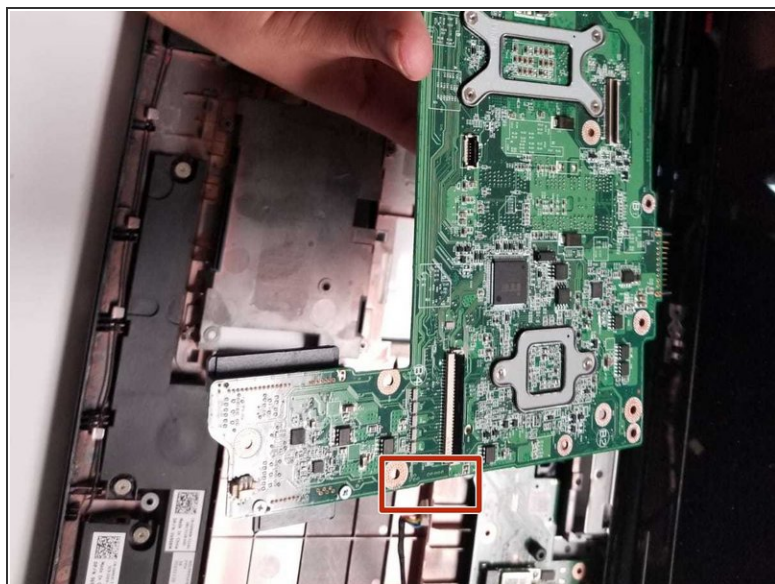
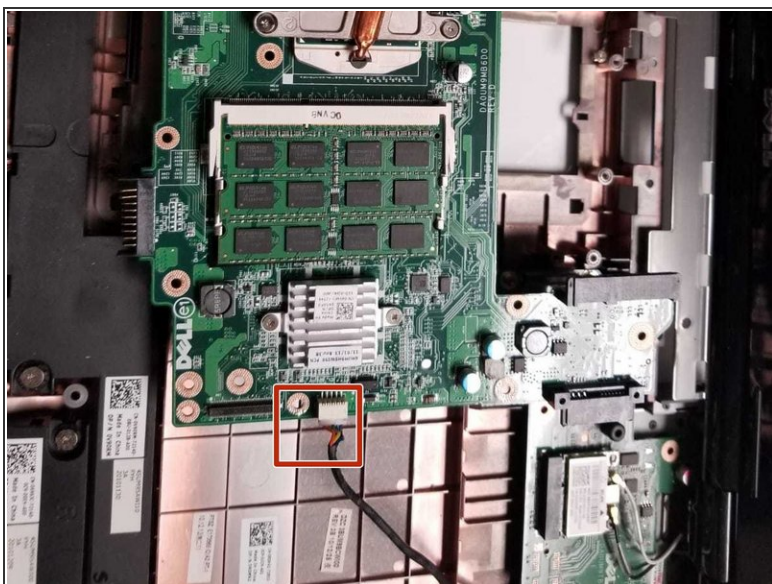
- Carefully unplug the four ports connecting to the computer (the prying tool may come in handy when using it on the ports).

Step 8



- Remove all 10 screws on the motherboard using the Phillips #0 screwdriver.

Step 9



- Carefully lift the motherboard at an angle, and slowly pull out the final port.
- i** You will find the port on the bottom of the motherboard shown in the first picture.

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