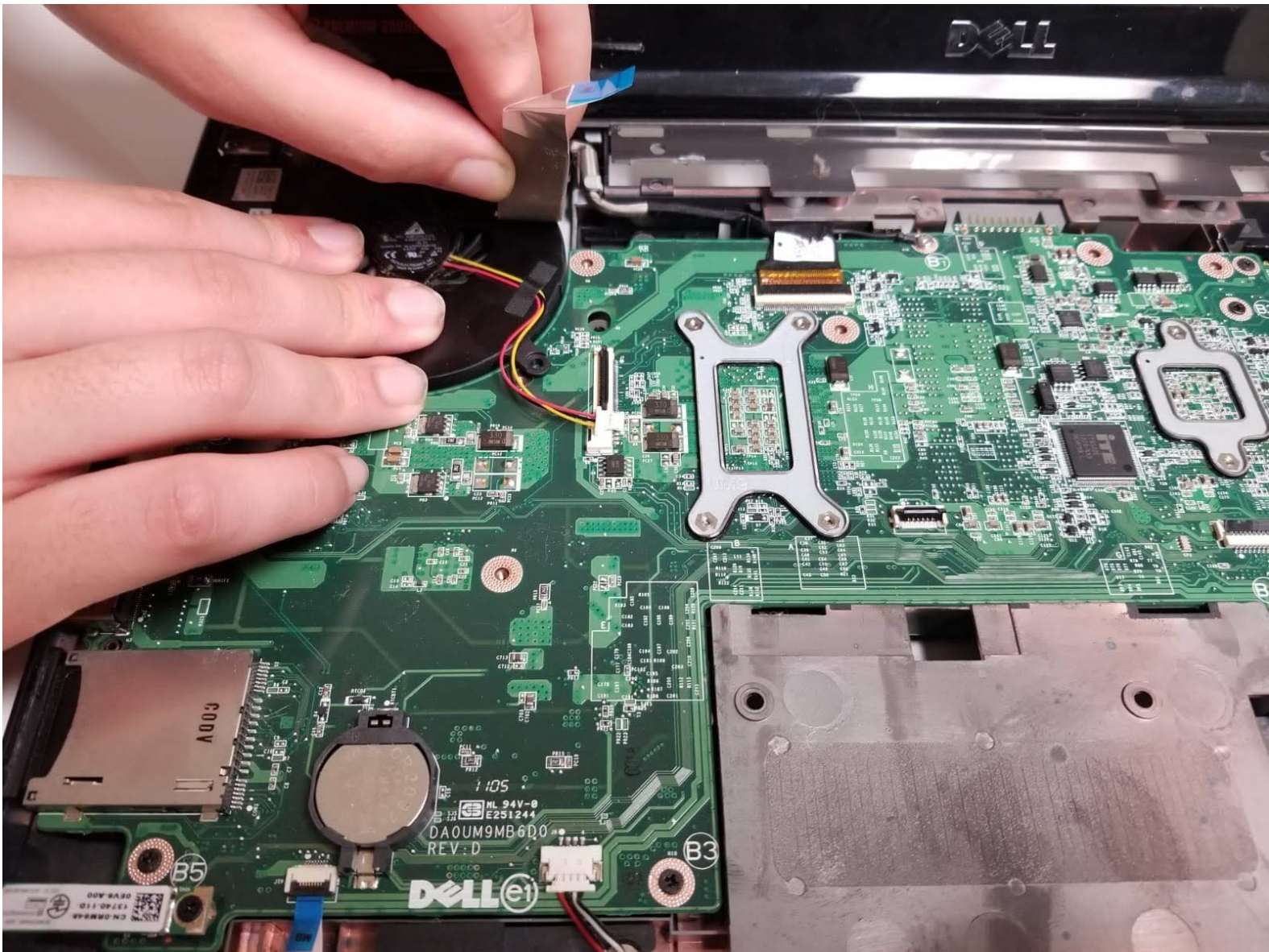# Dell Inspiron 17R-N7010 Fan Replacement

This guide will demonstrate how to disassemble the Dell Inspiron 17R-N7010 in order to replace the fan.

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INTRODUCTION

If your Dell Inspiron (17R-N7010) is easily overheating or you don't hear the fan running when it normally would be, it is time to replace the fan, and this guide will demonstrate how to do so.

The fan protects your computer from overheating and potentially damaging internal components. It is essential that this part be working correctly to lengthen the life of your computer.
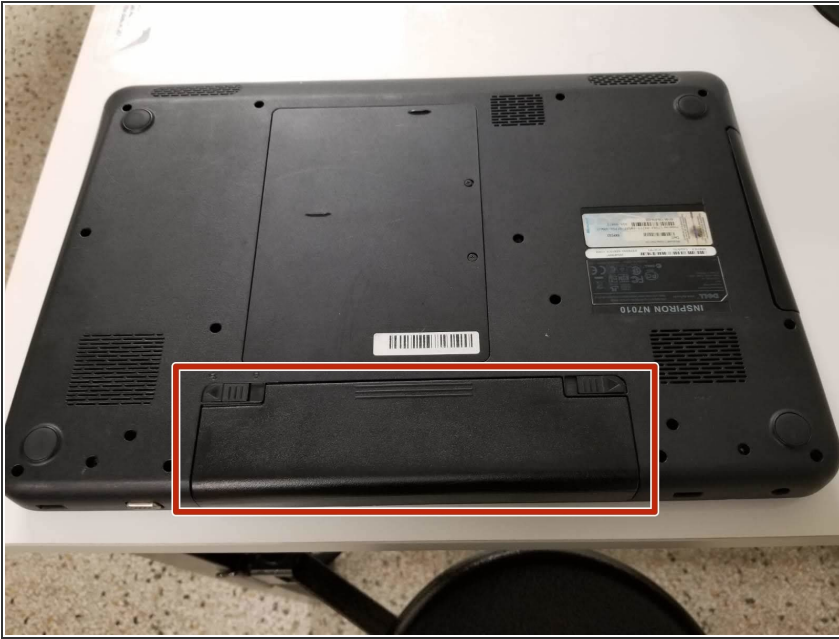
Before beginning, ensure that you have a spudger and a Phillips 0 screwdriver, and that your computer is powered off and the battery is removed. Steps 1-6 of this guide are from the Battery Replacement and Palm Rest Replacement guides. These steps must be followed in order to replace the fan safely and correctly.
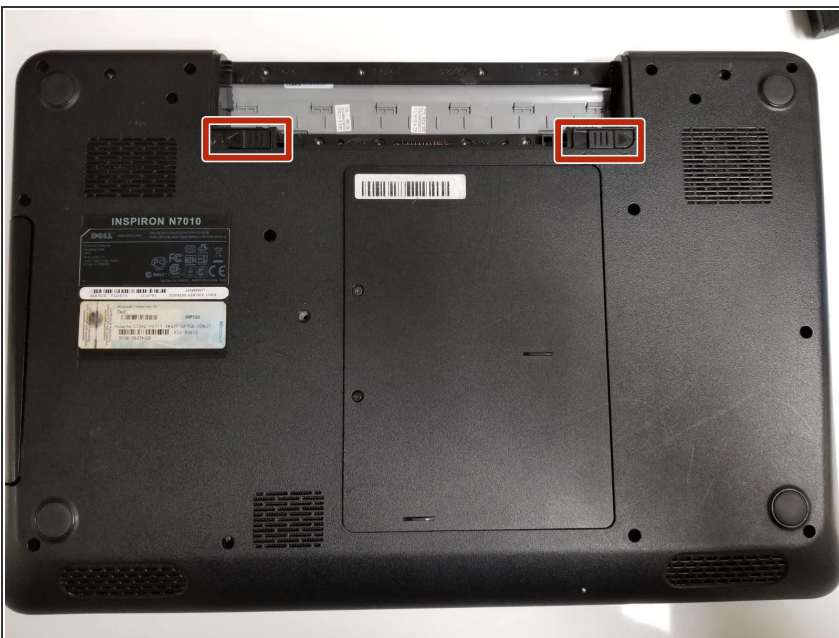
🔧 TOOLS:

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

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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.
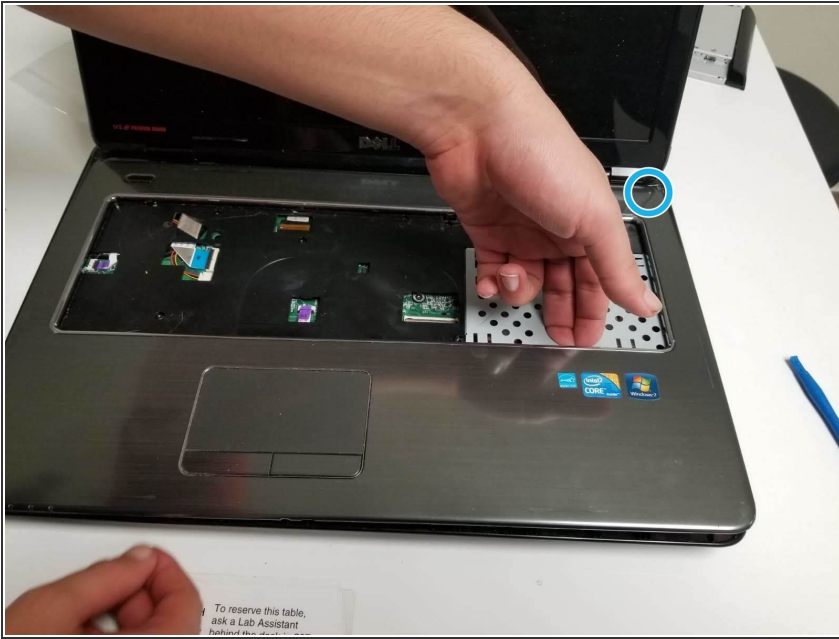
Step 3 — Palm Rest

- 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.

- (i) 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.
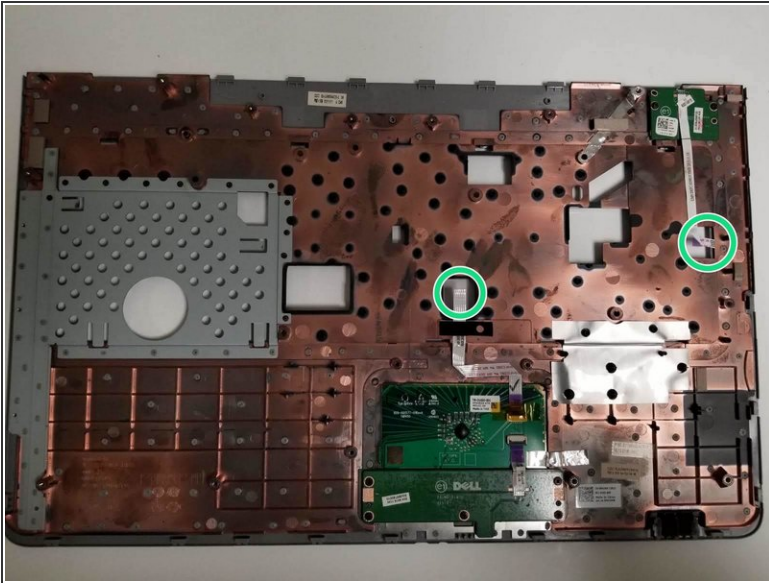
Step 4

- 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.

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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.

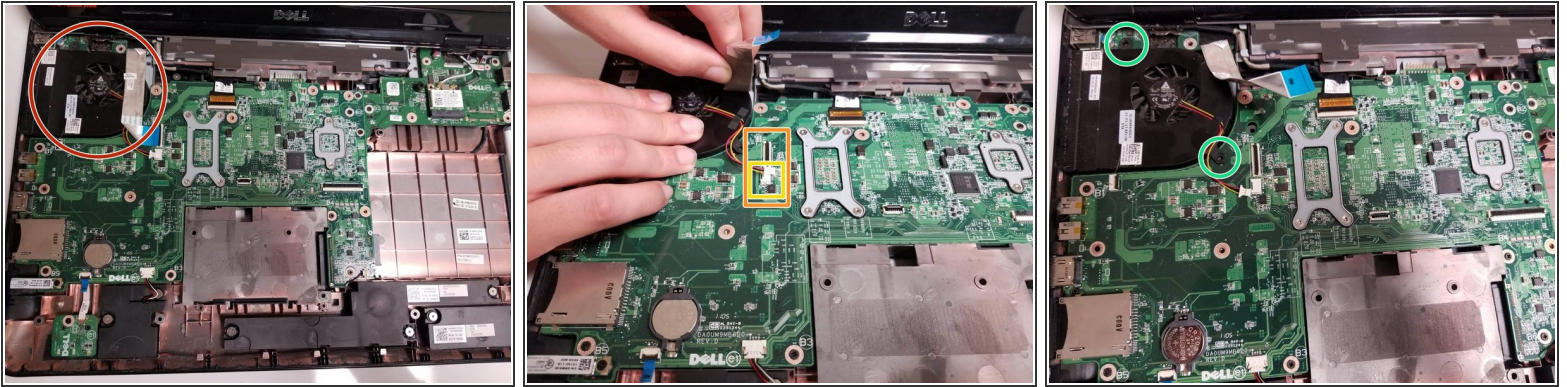This document was generated on 2020-04-04 06:45:17 AM (MST).

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.

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Step 7 — Fan

- The fan is located at the top left

- To remove the fan, disconnect the coupled wires from the white port
  - Then disconnect the wire strip by lifting up the latch holding the wire in place

- Finally locate and unscrew the screws

- The fan can now be removed and replaced

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