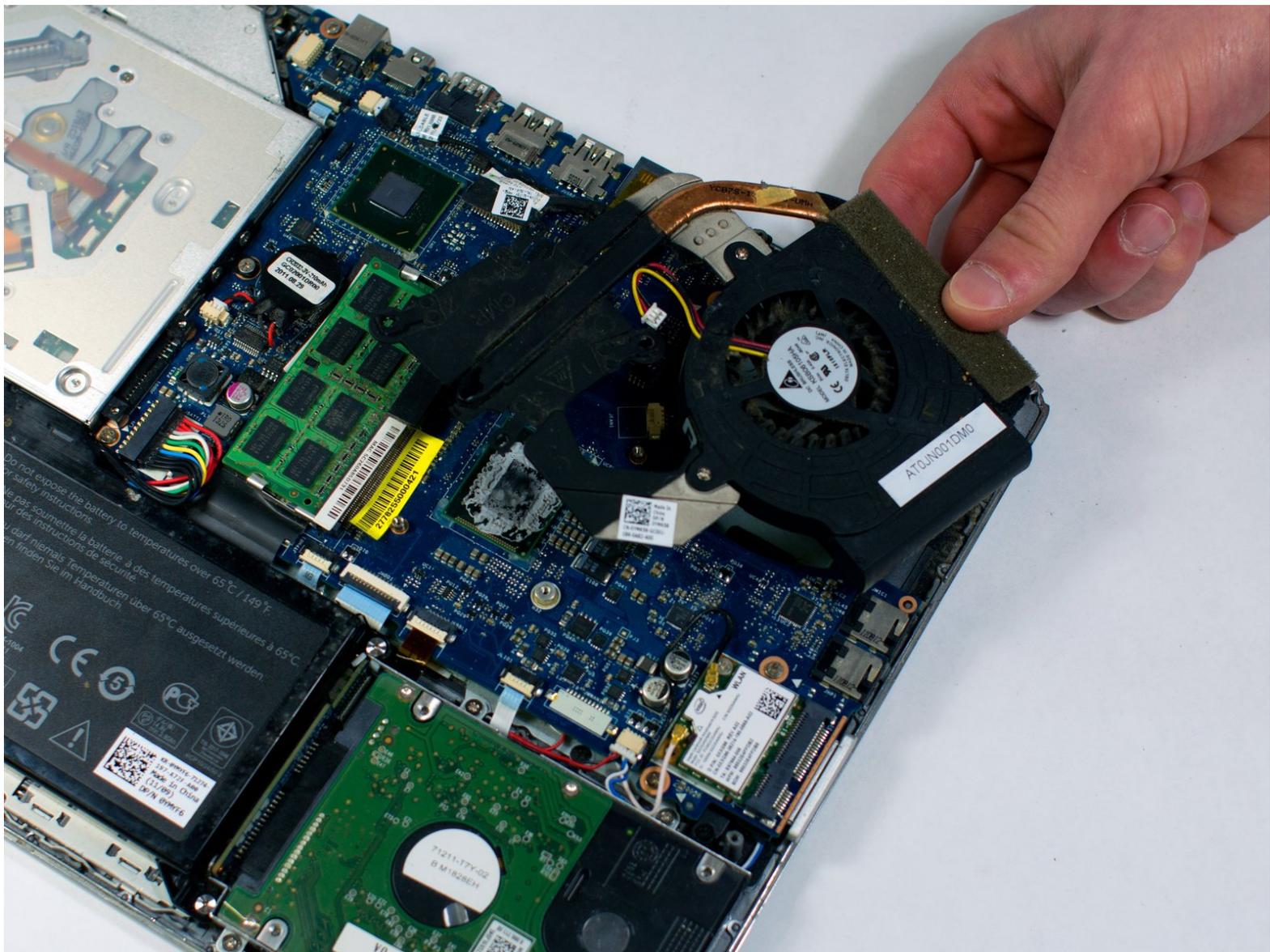




# Dell XPS 14Z L412Z Fan Replacement

The cooling fan is the main source of cooling off the laptop. The removal of the fan is fairly simple and this guide will show you how to remove it.

Written By: Cole Hanson



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## INTRODUCTION

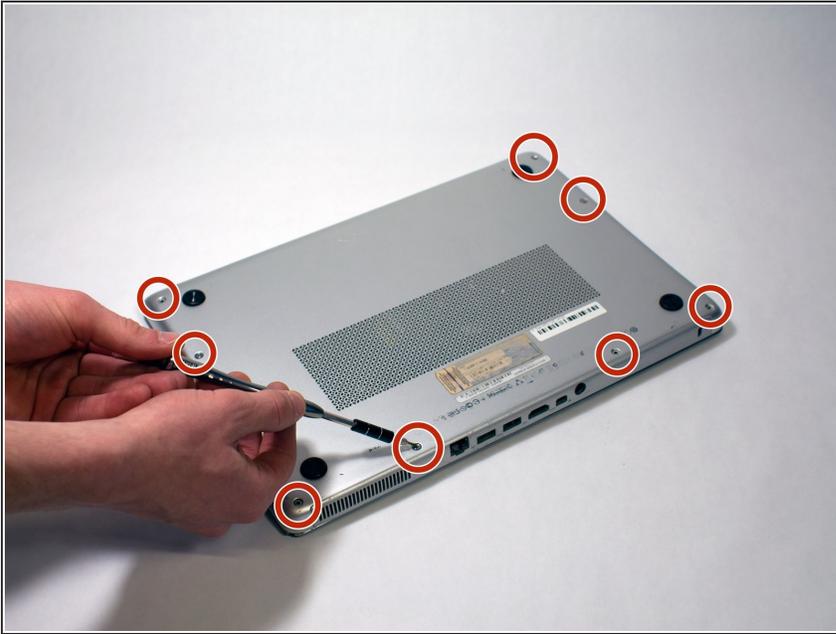
The cooling fan is the main source of cooling for the device. It prevents overheating which can cause internal damage to the device such as the hard drive. It is highly important to have a clean and functioning cooling fan. Much of the cabling is delicate in this part of the computer. Be careful not to destroy connections to the motherboard. This guide will show you how to replace a cooling fan. You will need tweezers, a Phillips #0 screwdriver, and a plastic opening tool.

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### TOOLS:

- [iFixit Opening Tools](#) (1)
  - [Tweezers](#) (1)
  - [Phillips #0 Screwdriver](#) (1)
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## Step 1 — Back Panel



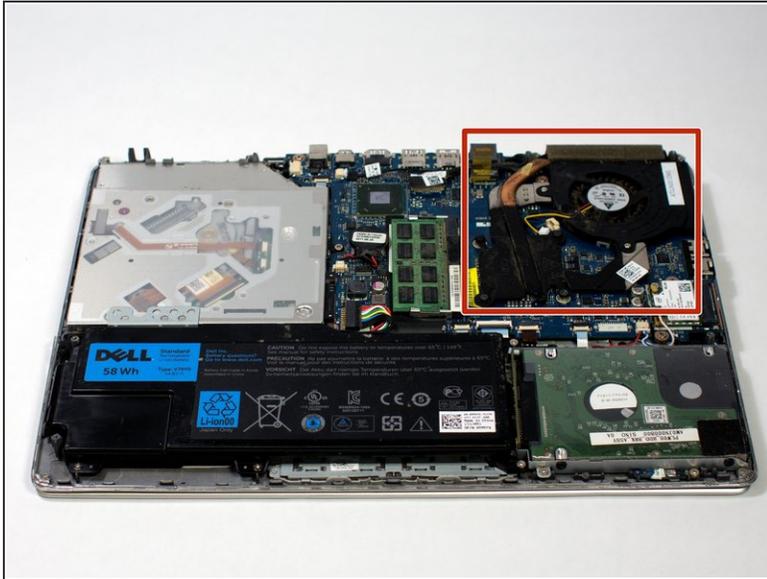
- Remove the back cover of the laptop by unscrewing eight 3.5mm screws using a Phillips #0 screwdriver.

## Step 2



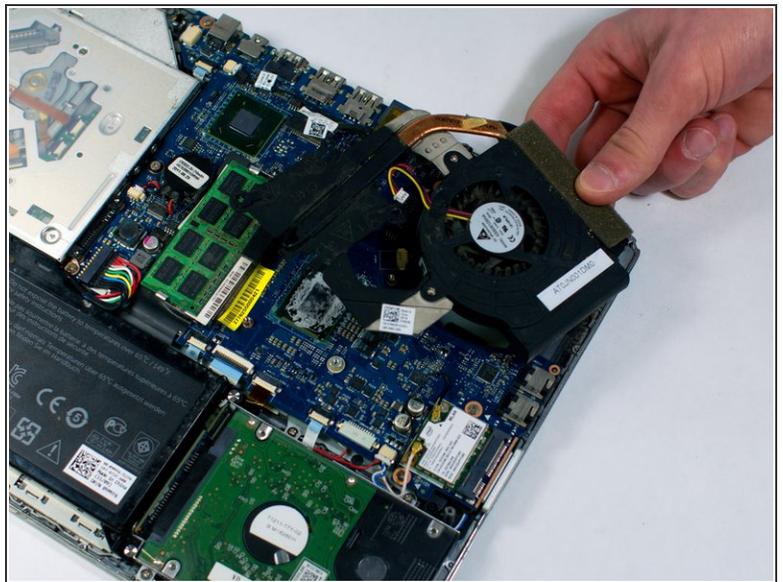
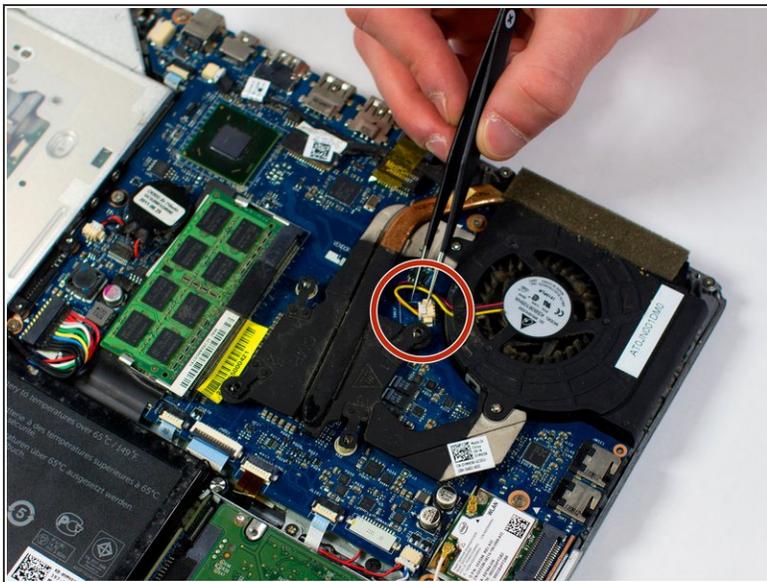
- Using the plastic opening tool, pry up the back cover.
- ⓘ It is recommended to start from a corner and run the tool along the edge of the cover.

### Step 3 — Cooling Fan



- The fan is located on the upper right hand side of the laptop.
- Unscrew the four 4.5mm Phillips #0 screws along the fan.

### Step 4



- Disconnect the fan connection by using the metal tweezers.
- Then, plug in the new or cleaned fan back into the connection.

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