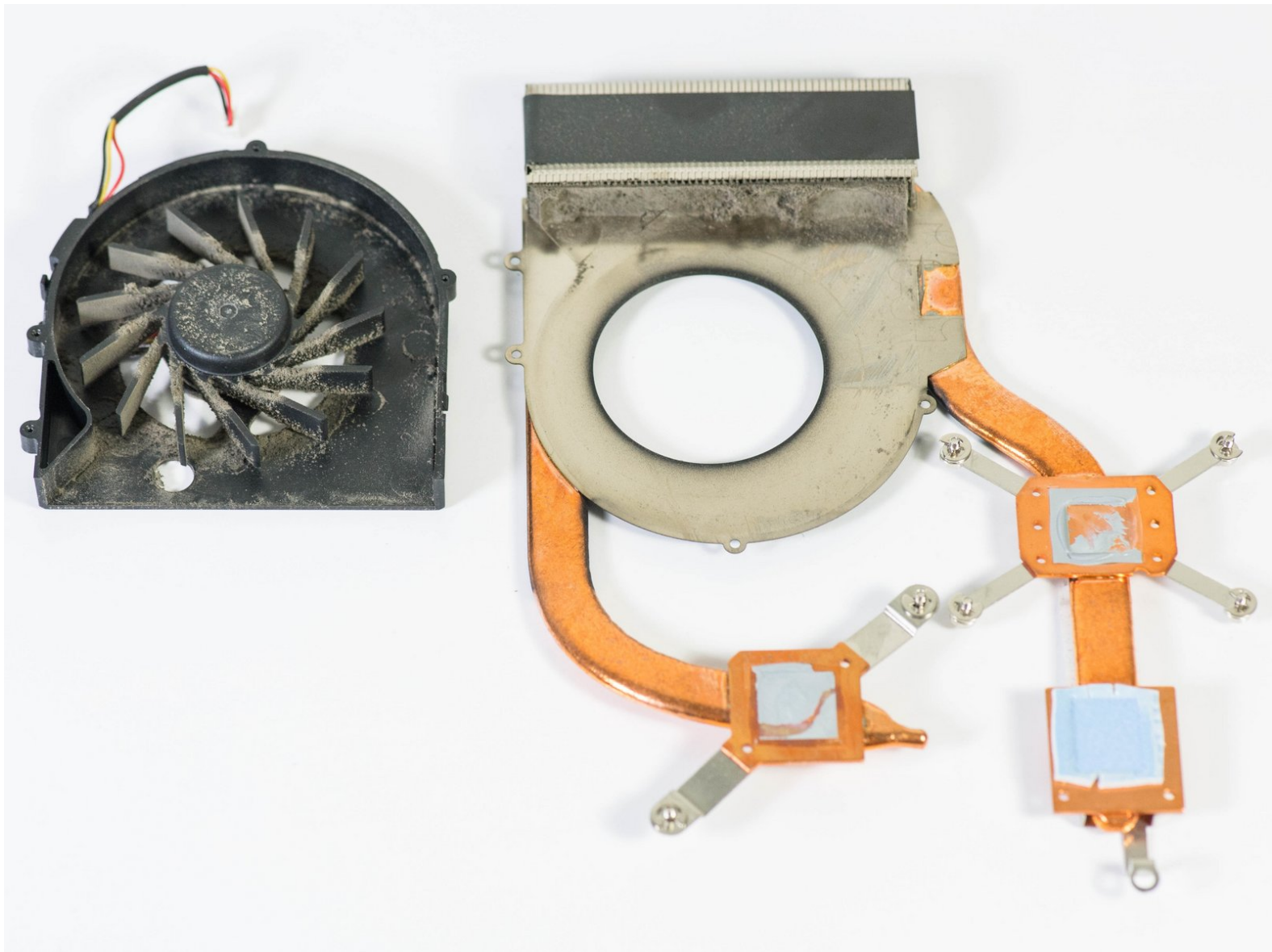# Dell XPS M1530 Fan Replacement

This guide is for removing the fan from your computer.

Written By: Jase Sasaki

INTRODUCTION

If your computer is running hot then the fan my be broken or dirty. This guide will help you locate and remove the fan so you can clean or replace it.

🔧 TOOLS:

- Phillips #1 Screwdriver (1)
- Phillips #000 Screwdriver (1)
- Metal Spudger (1)
- Arctic Silver ArctiClean (1)
- Arctic Silver Thermal Paste (1)
- Coffee Filters or a lint-free cloth (1)
- Spudger (1)

Step 1 — Battery

- Turn the computer upside down with the battery facing you.

- ⓘ Turn the computer off and disconnect the charging cable from the computer.

- ⚠ Failure to unplug the charging cable may result in electric shock.
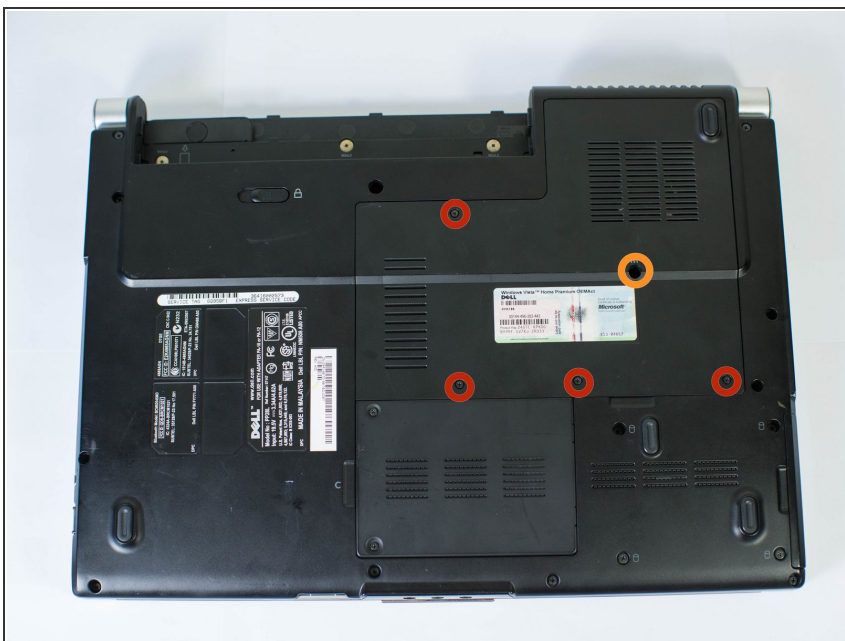
Step 2

- Push the switch as far to the right as possible to unlock the battery.

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Step 3

- Remove the battery using two hands and pull it away from the computer.

Step 4 — Heat Sink

- Unscrew the four Phillips #1 screws holding down the back panel. Then remove one 5.8mm Phillips #1

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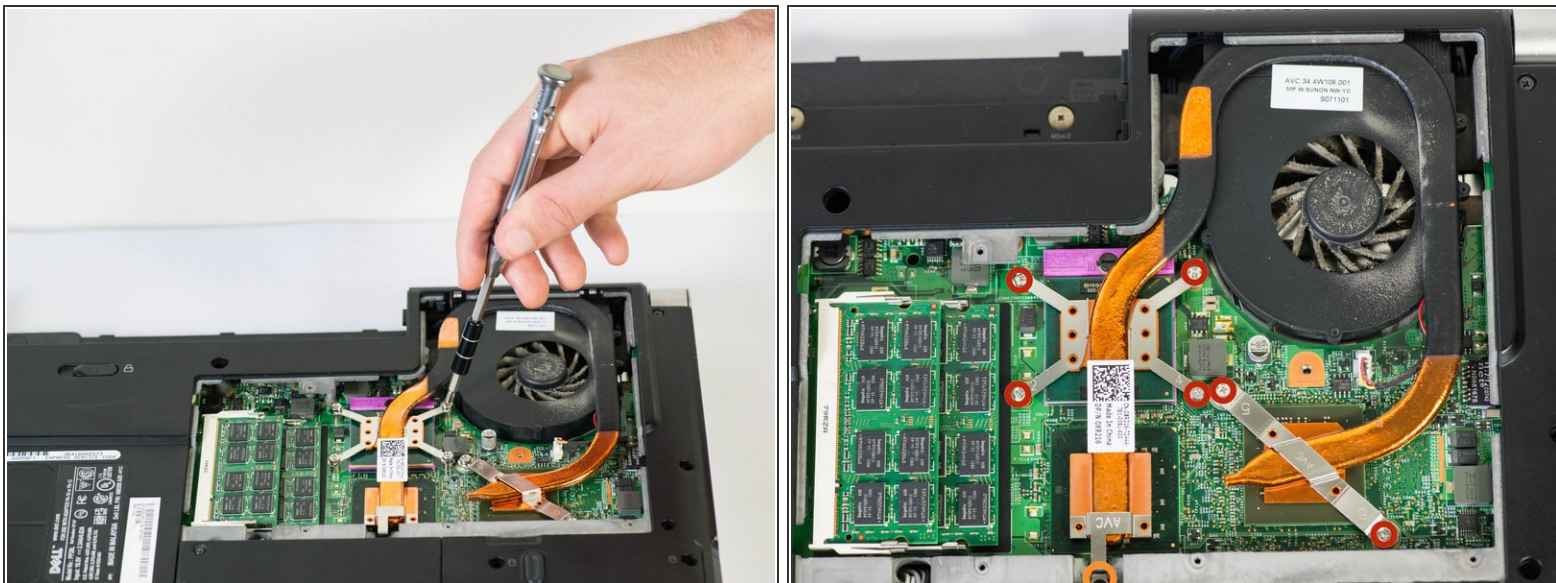screw labeled "M" in the middle of the back panel.

- Four 3.9mm Phillips #1 screws

- One 5.8mm Phillips #1 screw

Step 5
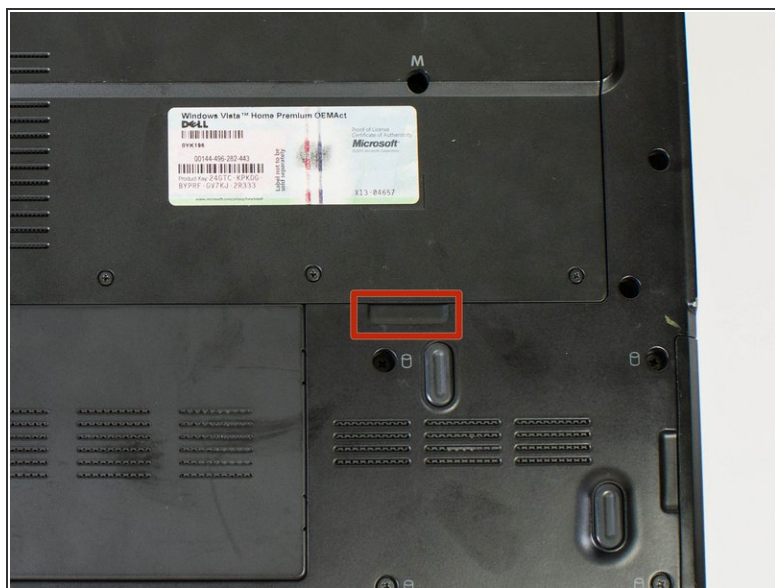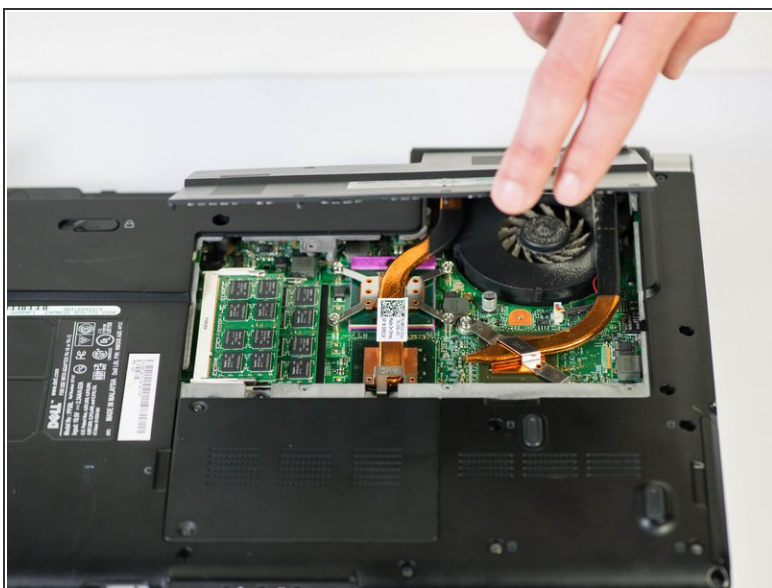
- Using the highlighted indent, pull up and out to remove the back panel.

- (i) The indent should provide enough grip to remove the panel with ease.

Step 6

- First, unscrew the six screws that are holding down the fan and heat sink with a Philips #1 screwdriver. Then use a Phillips #1 to remove the single screw near the bottom of the heat sink.

  - Six Silver Chrome 5.8mm Phillips #1 screws

  - One 5.8mm Phillips #1 screw

⚠ Remove the four screws that are holding down the CPU (the four to the top left that form a rectangle in this image) first. Unscrew them in an X pattern (eg. top left screw, bottom right screw, top right screw, bottom left screw) to minimize risk of harming CPU.

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Step 7
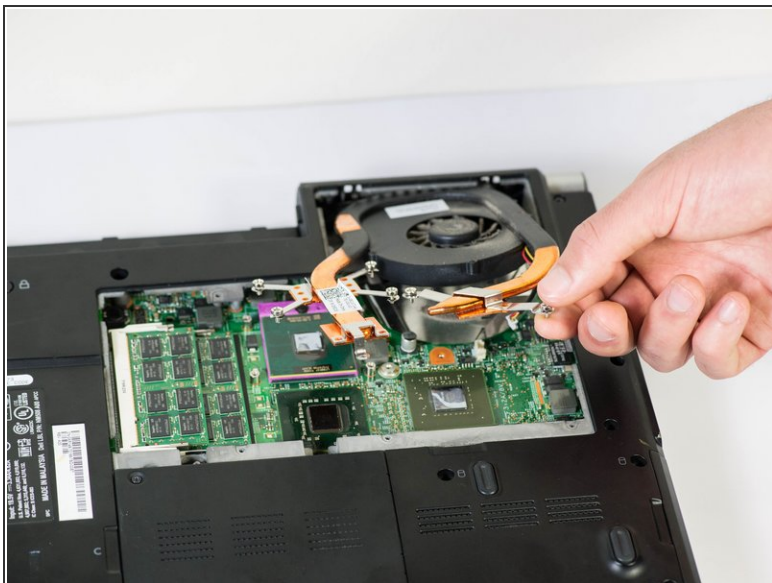
- Carefully lift the fan and heat sink from the laptop.

- (i) Be careful not to pull up too hard, because the power pin is still connecting the fan to the laptop.

Step 8
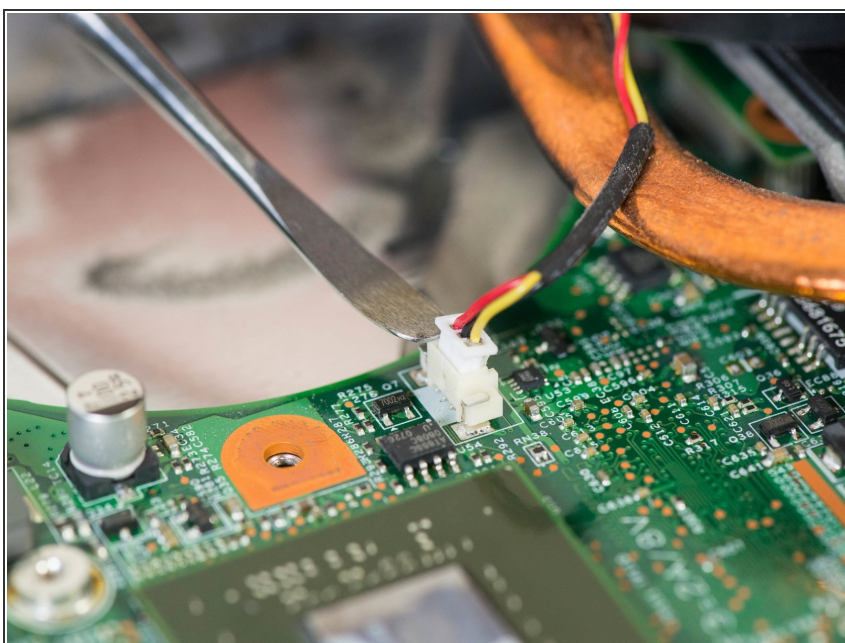
- Use your fingers or a spudger to remove the power pin connecting the fan to the laptop by pulling it straight up off the motherboard.

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Step 9
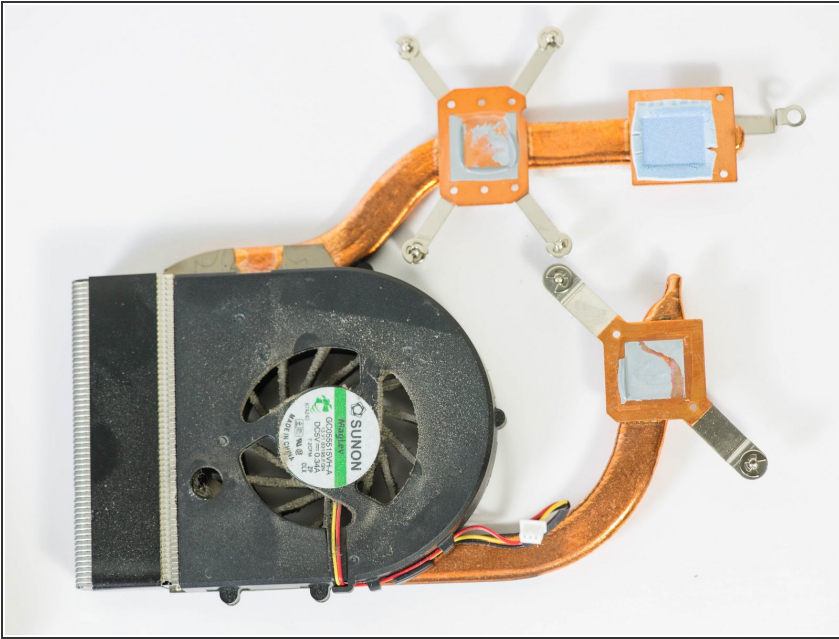
- Remove the fan and heat sink from the laptop.

- 📌 When installing the new heat sink, do not forget to replace the thermal paste underneath the heat sink. See iFixit's Applying Thermal Paste guide for further instructions.

Step 10 — Fan

- Flip over the heat sink to remove the four 3.2mm Phillips #000 screws connecting the heat sink to the fan.
  - Four 3.2mm Phillips #000

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Step 11

- Carefully separate the fan from the heat sink.

- ⓘ You may need to clean the fan and heat sink with an air duster, especially if enough dust have accumulated onto it.

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

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