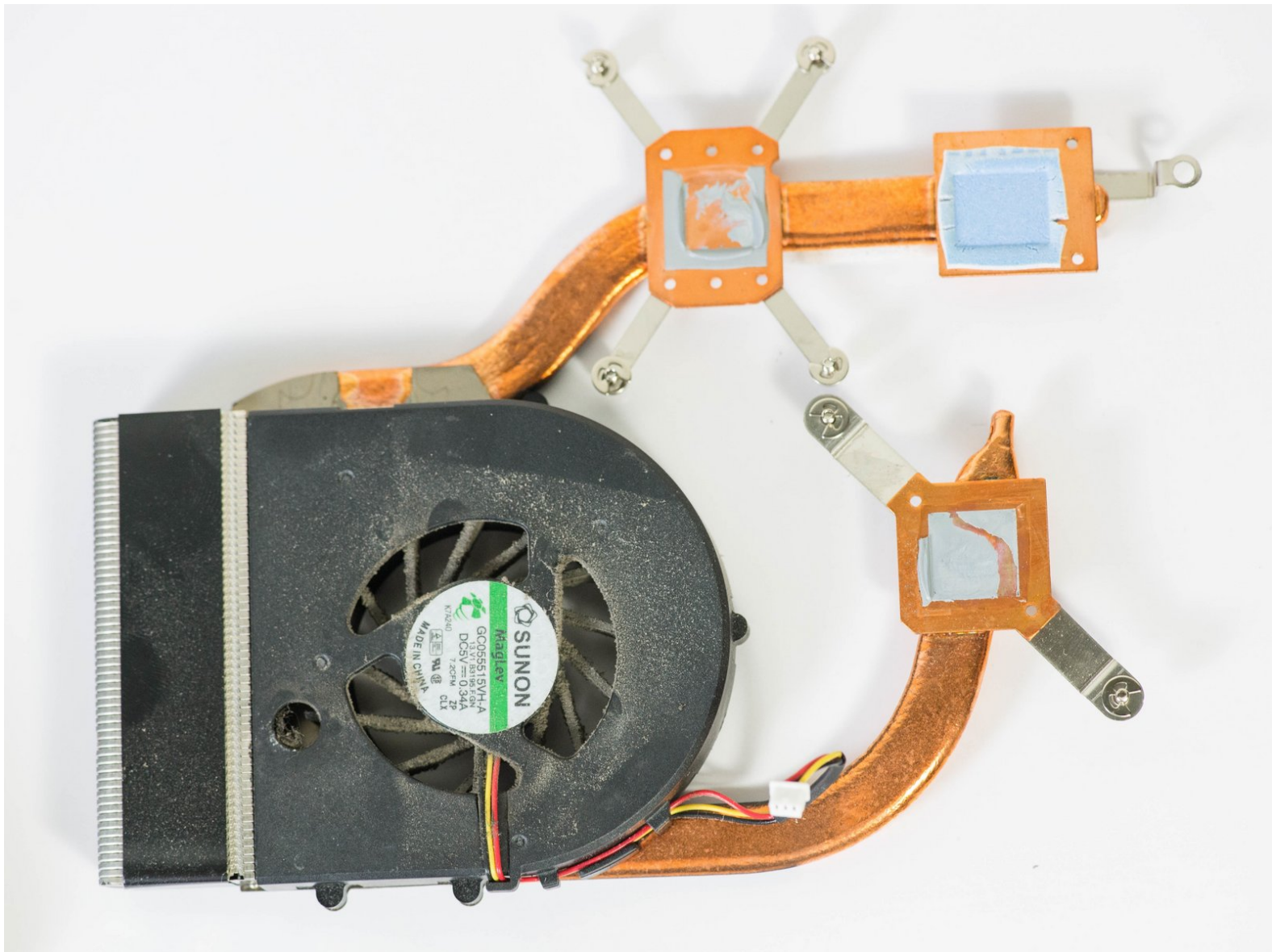




Dell XPS M1530 Heat Sink Replacement

This guide shows you how to successfully remove a damaged heat sink.

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INTRODUCTION

If your computer is still running hot after cleaning the fan, you should remove the heat sink to check that it is not damaged.

TOOLS:

- [Phillips #1 Screwdriver](#) (1)
 - [Spudger](#) (1)
 - [Arctic Silver ArctiClean](#) (1)
 - [Arctic Silver Thermal Paste](#) (1)
 - [Coffee Filters or a lint-free cloth](#) (1)
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Step 1 — Battery



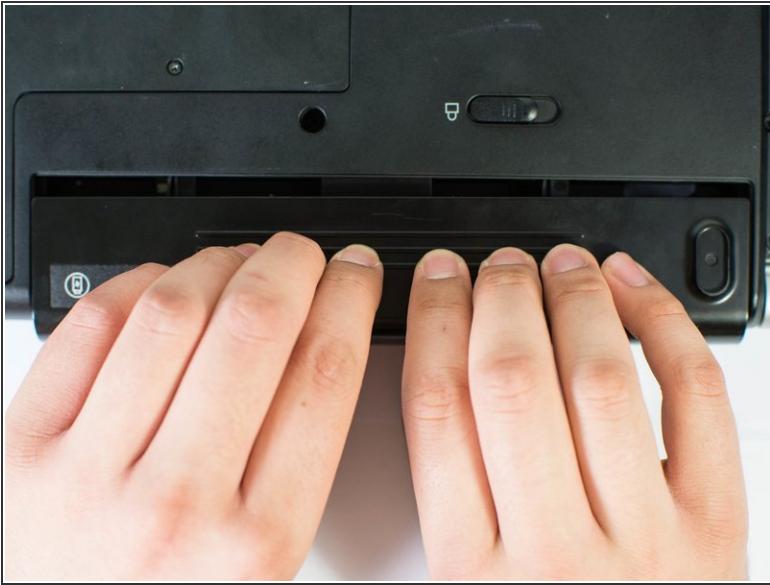
- Turn the computer upside down with the battery facing you.
- ⓘ Turn the computer off and disconnect the charging cable from the computer.
- ⚠ Failure to unplug the charging cable may result in electric shock.

Step 2



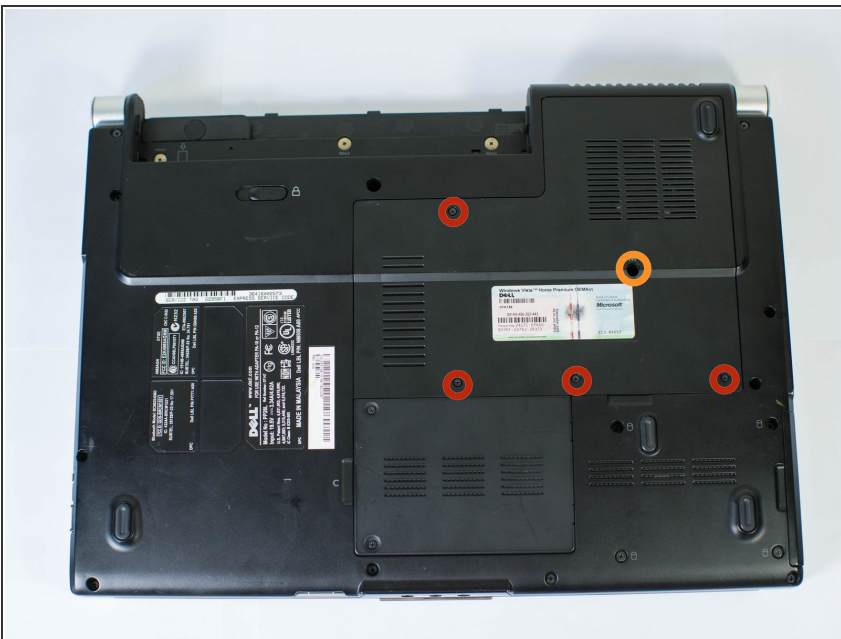
- Push the switch as far to the right as possible to unlock the battery.

Step 3



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

Step 4 — Heat Sink

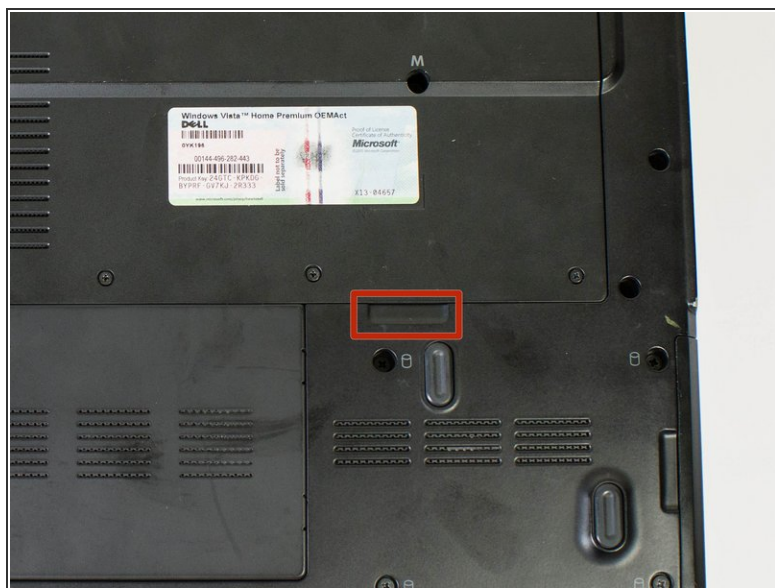
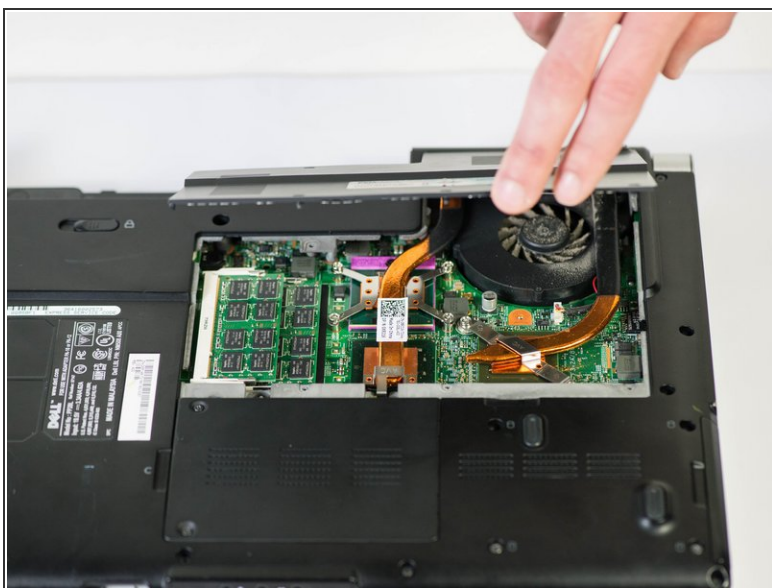


- Unscrew the four Phillips #1 screws holding down the back panel. Then remove one 5.8mm Phillips #1

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

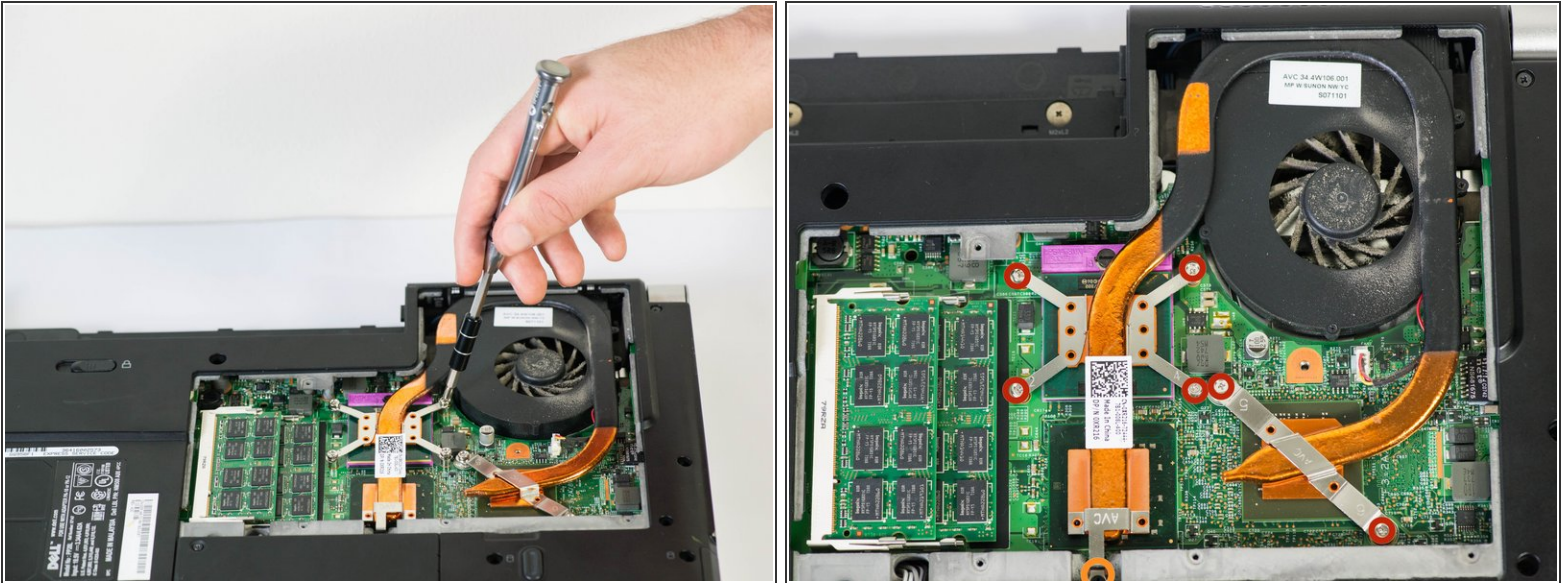
- Four 3.9mm Phillips #1 screws
- One 5.8mm Phillips #1 screw

Step 5



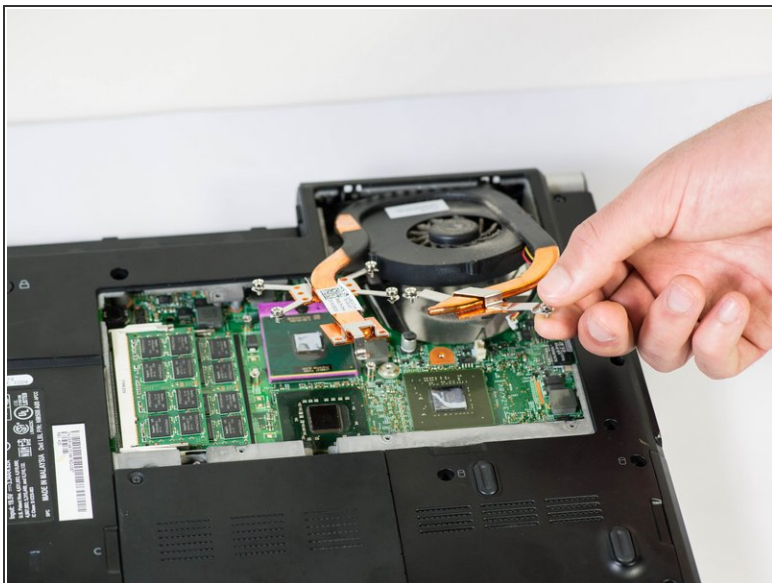
- Using the highlighted indent, pull up and out to remove the back panel.
- (i) The indent should provide enough grip to remove the panel with ease.

Step 6



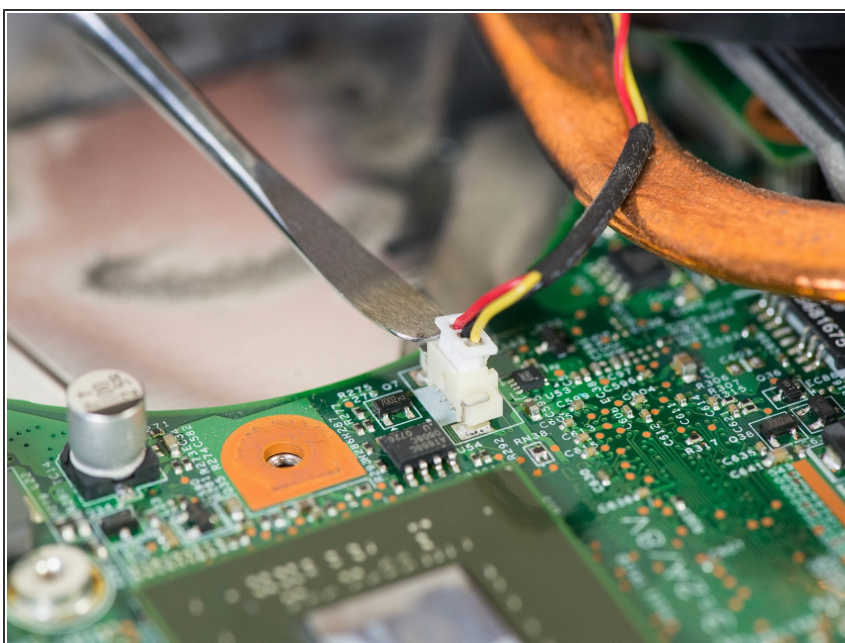
- First, unscrew the six screws that are holding down the fan and heat sink with a Philips #1 screwdriver. Then use a Phillips #1 to remove the single screw near the bottom of the heat sink.
 - Six Silver Chrome 5.8mm Phillips #1 screws
 - One 5.8mm Phillips #1 screw
- ⚠ Remove the four screws that are 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.

Step 7



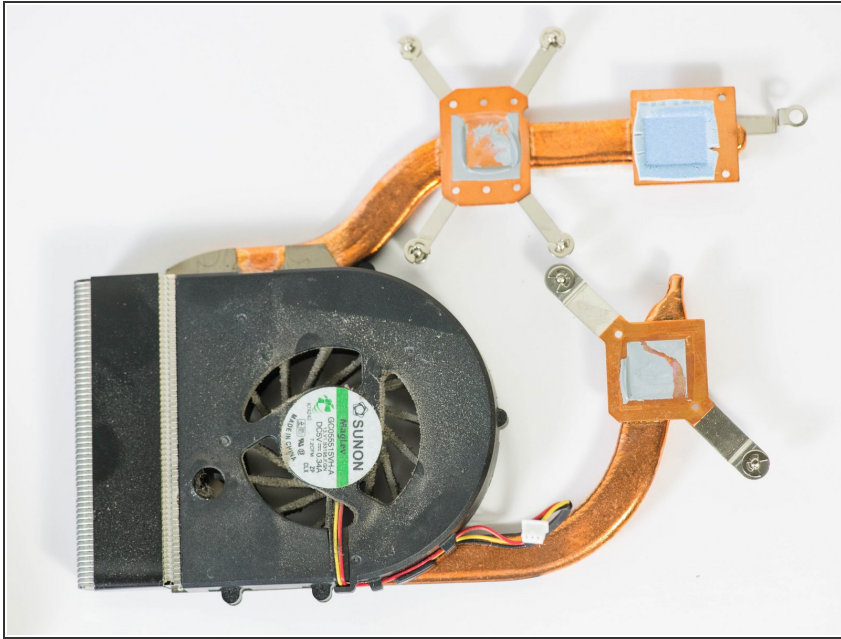
- Carefully lift the fan and heat sink from the laptop.
- ⓘ Be careful not to pull up too hard, because the power pin is still connecting the fan to the laptop.

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.

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.

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