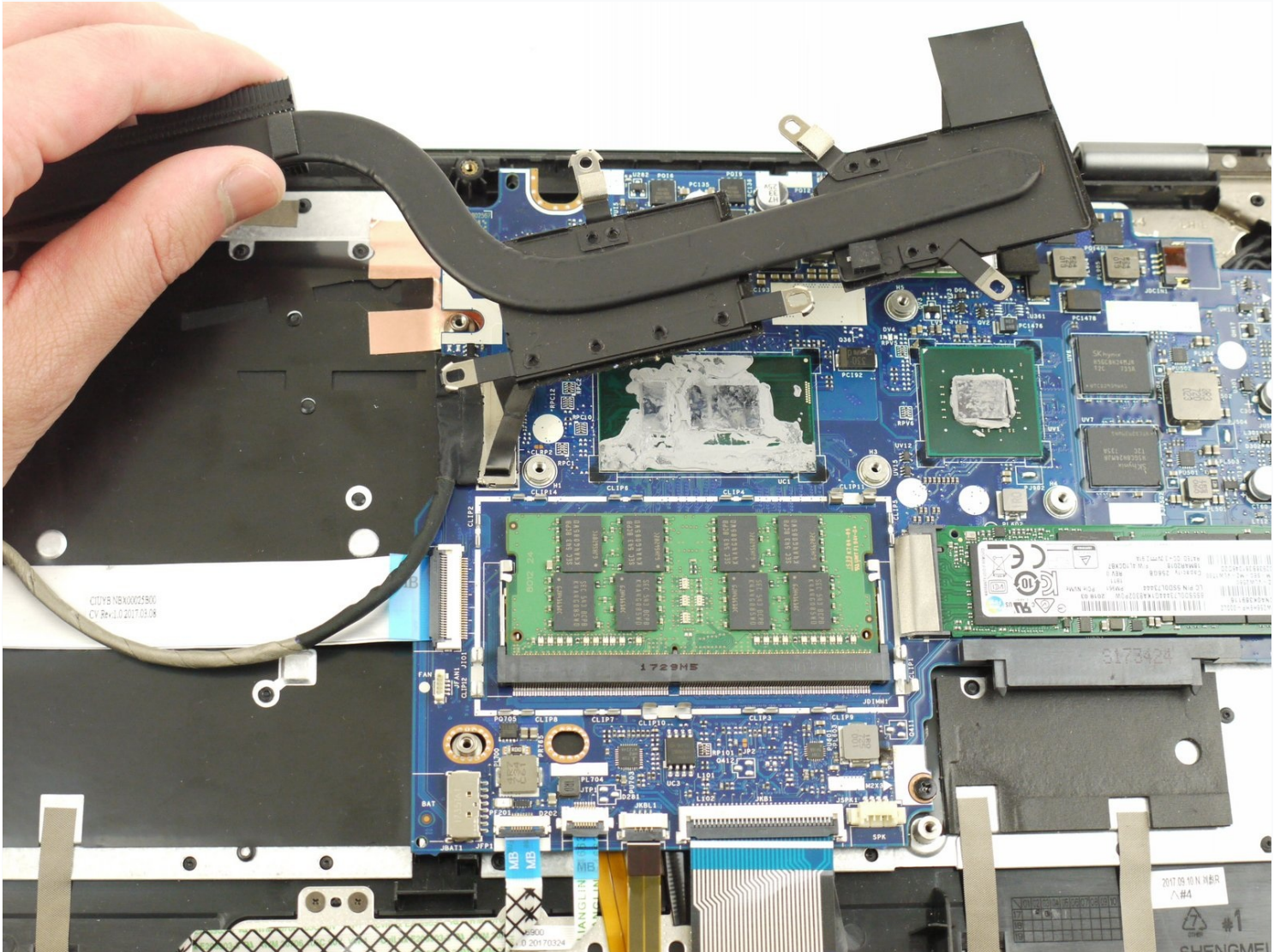




Lenovo IdeaPad Flex 5-1570 Heatsink Replacement

The heatsink (or heat sink) is a passive heat...

Written By: Justin Ogihara



INTRODUCTION

The heatsink (or heat sink) is a passive heat exchanger that transfers heat in a device. The heatsink disperses heat from another component in the device to prevent the device from overheating.

If you find that your laptop easily overheats or is running at higher temperatures than normal, it may be time to replace the heatsink. Follow these simple instructions to remove and replace the heatsink in your Lenovo IdeaPad Flex 5-1570 laptop. Make sure to turn off your laptop and let it cool for 20 minutes before proceeding with the guide.

Don't forget to follow our [thermal paste application guide](#) after you have removed your heat sink and are ready to reassemble your device.



TOOLS:

Phillips #00 Screwdriver (1)
iFixit Opening Tool (1)
Spudger (1)



PARTS:

Lenovo Flex 5-1470 and Flex 5-1570
Heat Sink (1)

Step 1 — Back Panel



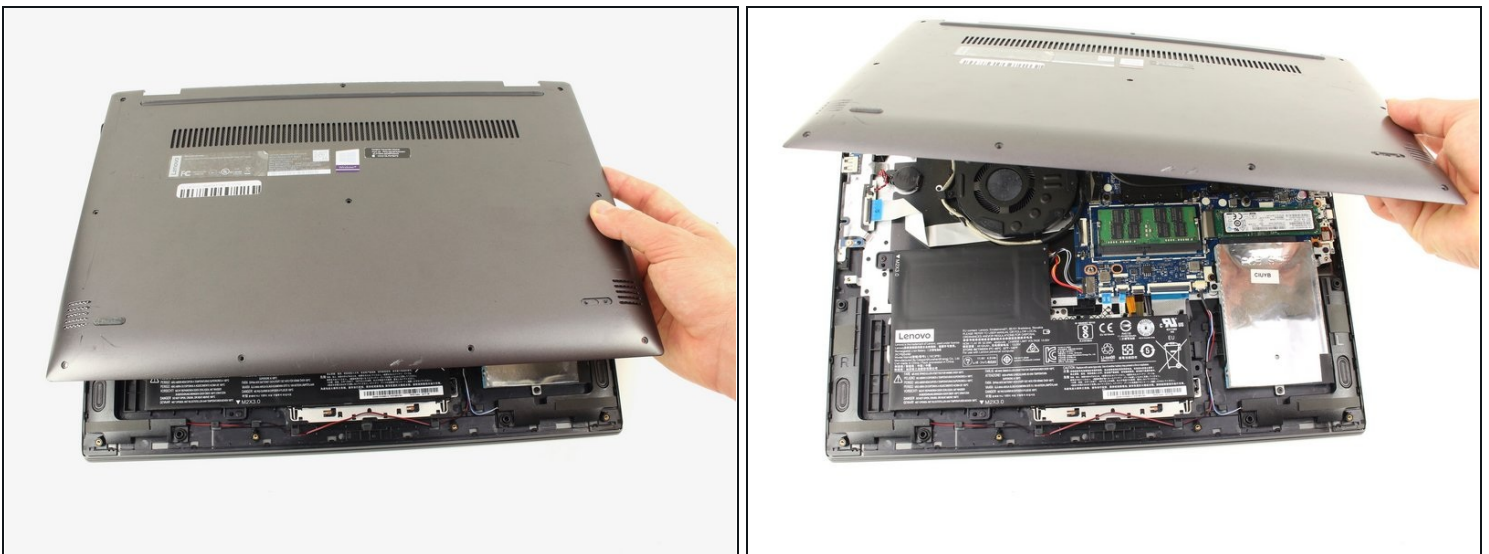
- Remove the ten 5 mm Phillips #00 screws that are holding the back panel on.

Step 2



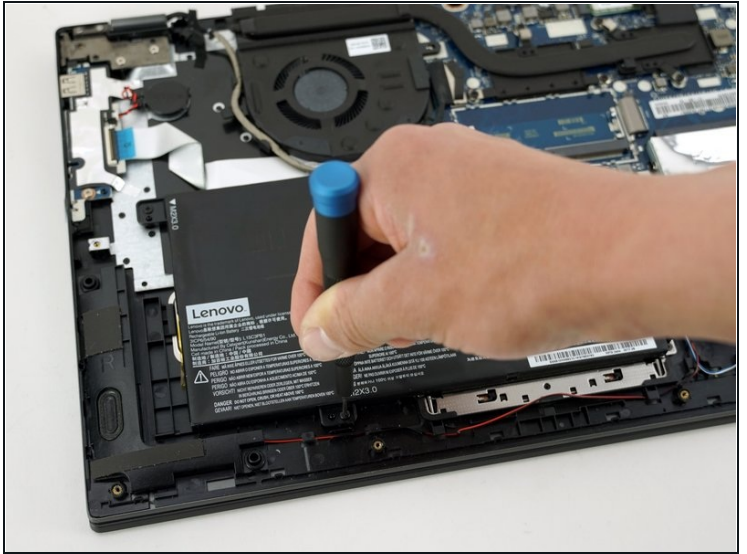
- Use a spudger to pry open the back case at the two hinge cutouts.
- Gently use the plastic opening tool around the edges of the laptop to pry up the clips holding the rest of the back panel.

Step 3



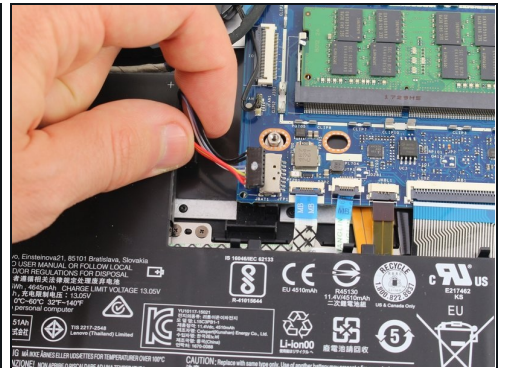
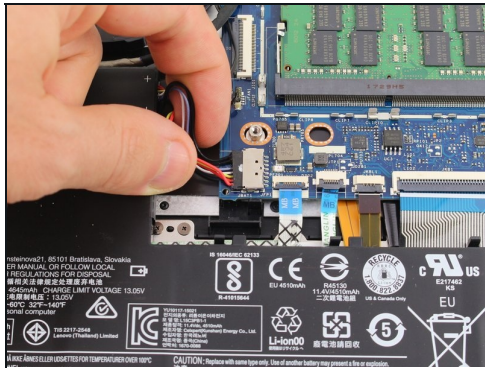
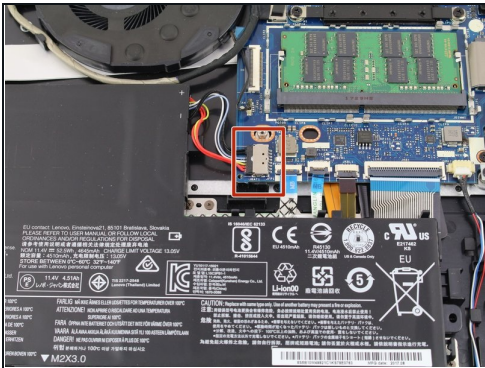
- Once all the clips have been disengaged, lift off the back cover.

Step 4 — Battery



- Remove the two 5 mm Phillips #00 screws that secure the battery in place.

Step 5

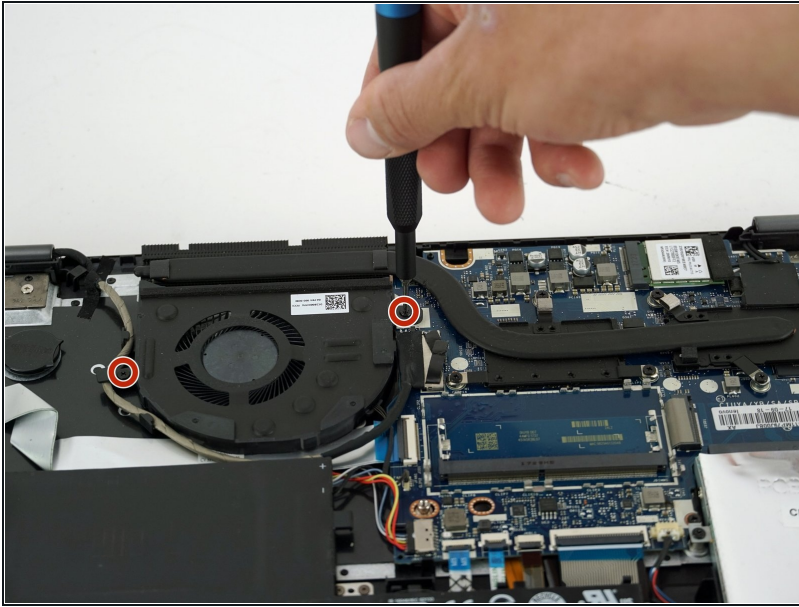


- Using your fingers, grasp the entire bundle of wires to pull the battery cable from its connector. This will cut off power to the motherboard.

⚠ Be sure to apply even pressure across the wires and connector to not damage the battery cable.

- Remove the battery from the device.

Step 6 — Fan



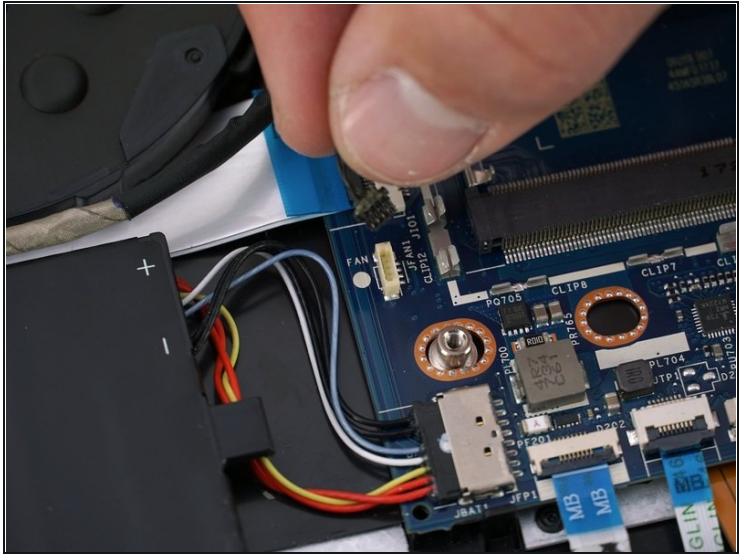
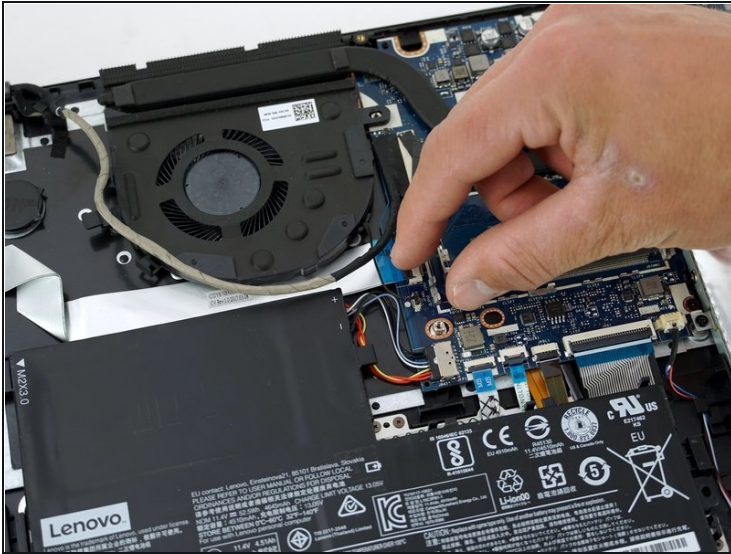
- Remove the two 5 mm Phillips #00 screws that secure the fan in place.

Step 7



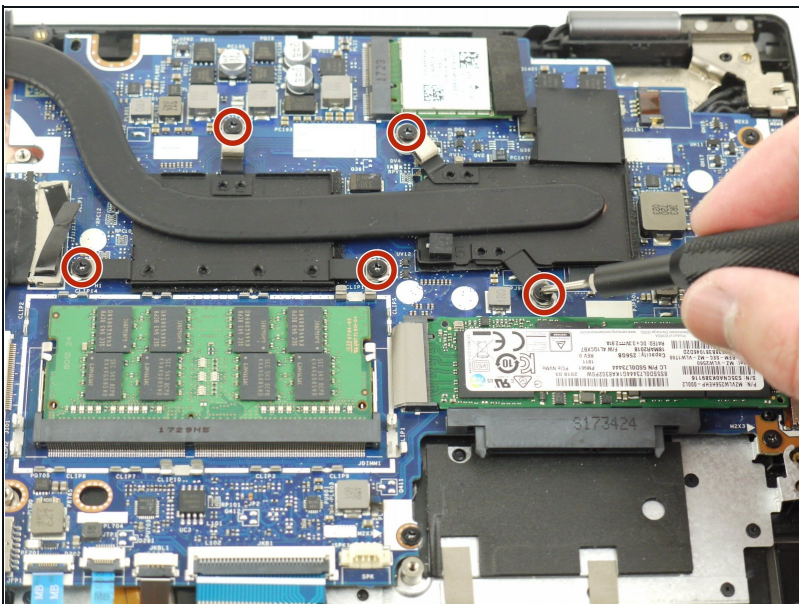
- Using your hands, remove the wire that is wrapped around the base of the fan.

Step 8



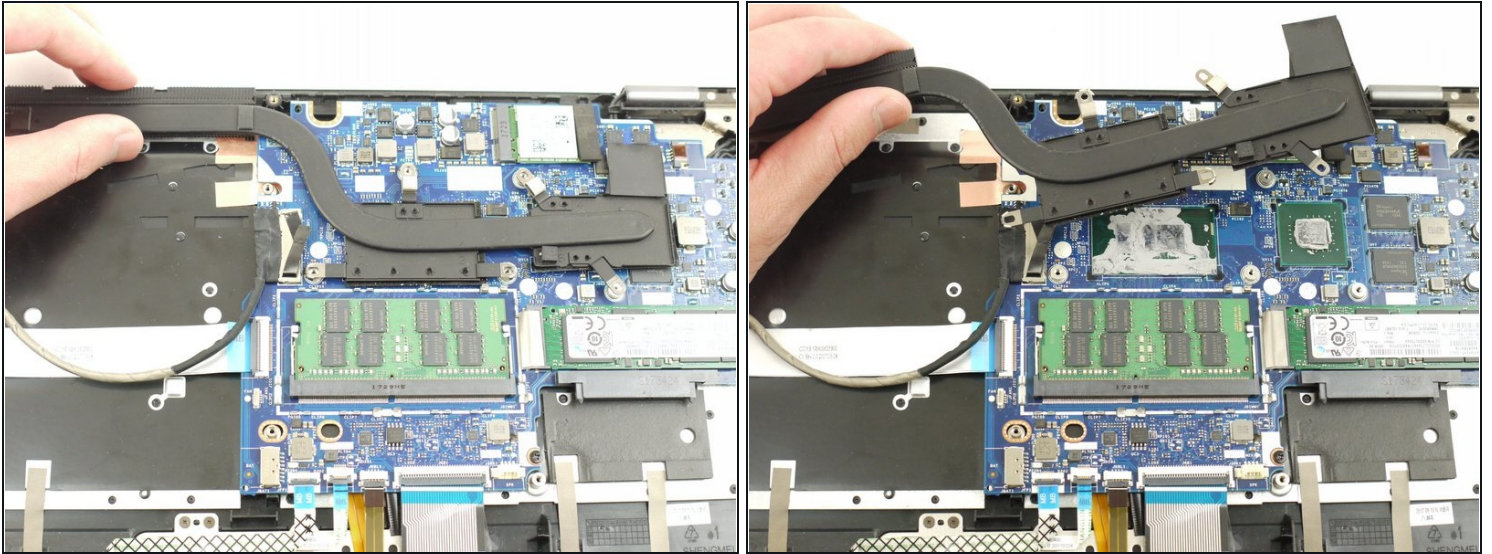
- Disconnect the wire holding the fan and the motherboard together.
- Remove the fan from the device.

Step 9 — Heatsink



- Using the Phillips #00 screwdriver, remove five 5 mm screws.
- ① For proper screwdriver technique, please visit the [Screwdriver Best Practices guide](#).

Step 10



- Carefully remove the heatsink from the device.
- ☑ During reassembly, don't forget to apply thermal paste onto the heatsink. For proper technique on thermal paste application, please visit the [How to Apply Thermal Paste guide](#).

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

Don't forget to reapply thermal paste during reassembly. For proper technique on thermal paste application, please visit the [How to Apply Thermal Paste guide](#).

Take your e-waste to an [R2 or e-Stewards certified recycler](#).