



Lenovo ThinkPad T460s Heatsink Replacement

If the fan of your Lenovo ThinkPad T460s (all...

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INTRODUCTION

If the fan of your Lenovo ThinkPad T460s (all models) keeps running very noisy constantly, probably the heat radiator of CPU is broken, use this guide to replace the CPU radiator module.

The CPU radiator module is used to dissipate the heat from the CPU. A faulty radiator module cannot transfer the heat efficiently and this may cause your computer overheated or even broken.

This guide will guide you through how to replace the CPU radiator. Before using this guide, make sure you have a new CPU radiator to be replaced and the tools we list.

Before beginning, make sure to power off your laptop completely and disconnect from any external power source.

Make sure you have the right-sized the screwdriver, so you will not strip your screw.

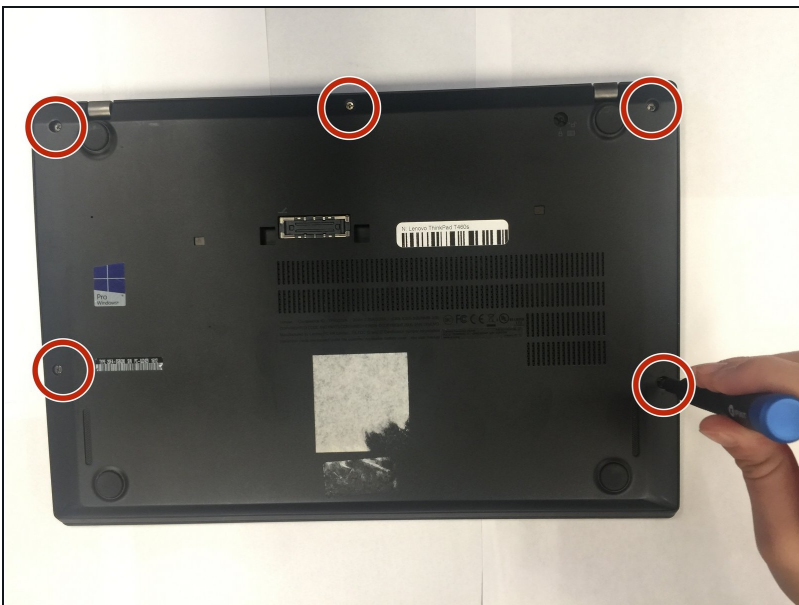
TOOLS:



[Phillips #1 Screwdriver](#) (1)
[ESD Safe Blunt Nose Tweezers](#) (1)

PARTS:

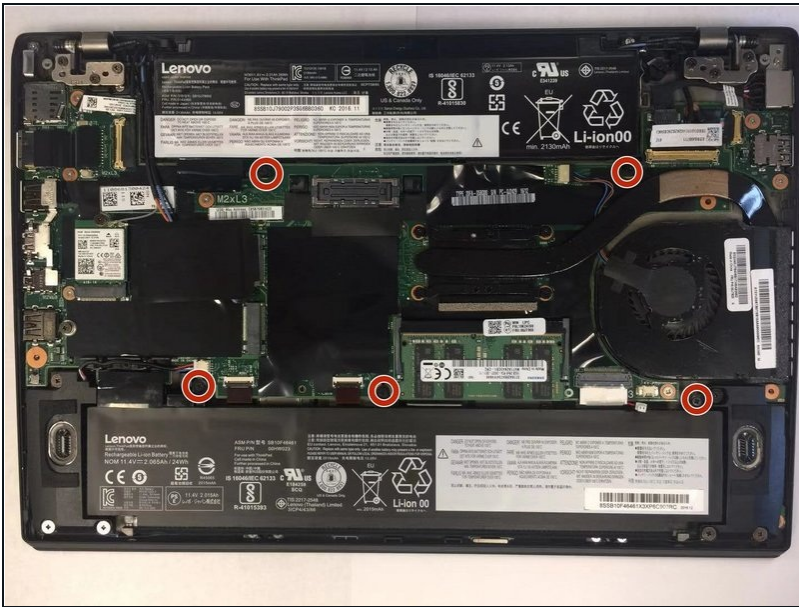
[Lenovo ThinkPad T460s and T470s Heat Sink Assembly](#) (1)
[Lenovo ThinkPad T460s and T470s Fan and Heat Sink Assembly - 00UR985](#) (1)
[Lenovo ThinkPad T460s and T470s Aftermarket Fan and Heat Sink Assembly](#) (1)

Step 1 — Battery



-  Before you begin, be sure to turn off your laptop and discharge the battery down to 25%.
- Remove the five 5.5mm Phillips #1 screws securing the back cover.
-  These screws are captive and cannot be removed completely from the back cover.
- Lift and remove the back cover.

Step 2



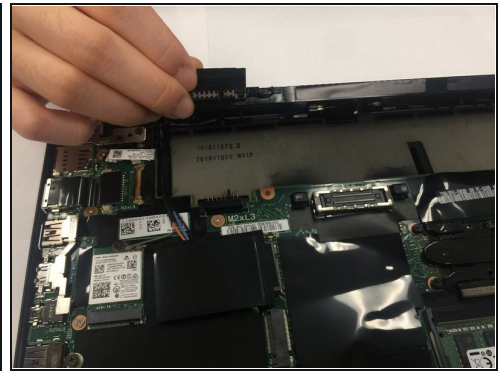
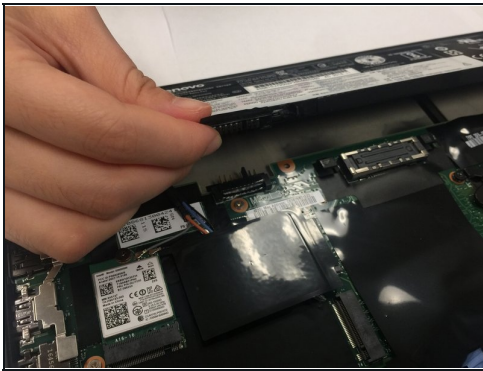
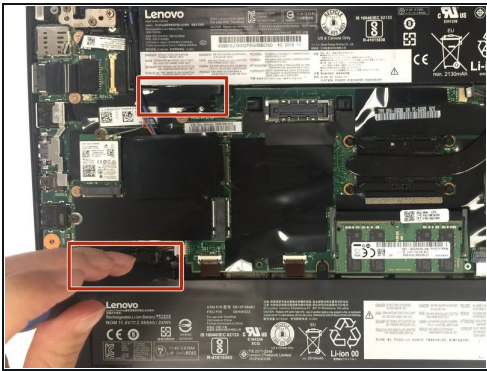
- Remove the five 5.5mm Phillips #1 screws securing the two batteries.

Step 3



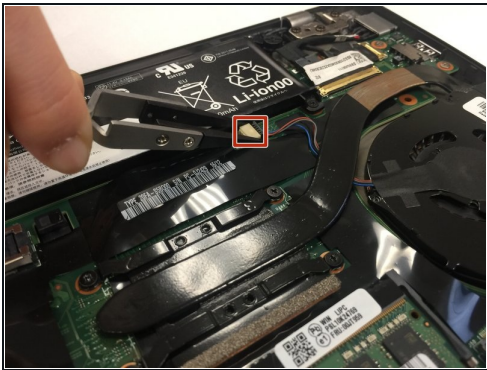
- Unplug the two-wire connector from the motherboard by gently pulling it towards the battery.
⚠ Pull parallel to the battery, not straight up.

Step 4



- Each battery has a black tab covering the electrical contacts.
- Lift the battery by its tab and remove it from the device.

Step 5 — Heatsink



- Remove the fan power cable in red square first.
 - Loosen all four 5.5mm Phillips #1 screws marked in red circle to take off the Radiator Assembly.
- ❗ Those 4 screws can't be removed since all the screws have a retainer from the back

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