



Lenovo ThinkPad T580 Cooling Fan Replacement

Welcome to the cooling fan replacement guide fo...

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INTRODUCTION

Welcome to the cooling fan replacement guide for the Lenovo Thinkpad T580.

This guide will detail the steps necessary to replace the cooling fan.

The most common reasons why this component would need to be replaced is because:

- The computer overheats quickly
- The computer shuts off due to temperature overload
- The cooling fan makes no noise when the computer is on or getting hot

If you are not experiencing these problems with this component consider examining the [troubleshooting page for this device](#).

There are no specialized skills required for replacing the cooling fan.



TOOLS:

Jimmy (1)

Phillips #00 Screwdriver (1)



PARTS:

Lenovo ThinkPad T580 and P52s Fan and Heat Sink Assembly (1)

Step 1 — External Battery



- Slide the switch on the left side of the battery to the left.

Step 2



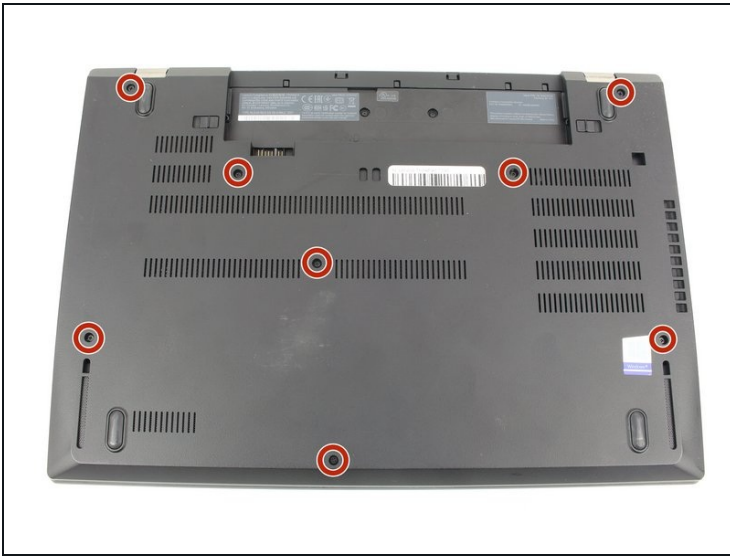
- Slide the switch on the right side of the battery to the right while applying upward pressure on the battery.

Step 3



- Pull the battery directly out of the socket

Step 4 — Bottom Case



- Using a Phillips #00 screwdriver, unscrew the eight 3.3 mm captive screws on the bottom of the laptop.

ⓘ The "captive" screws will not come out of the case.

Step 5



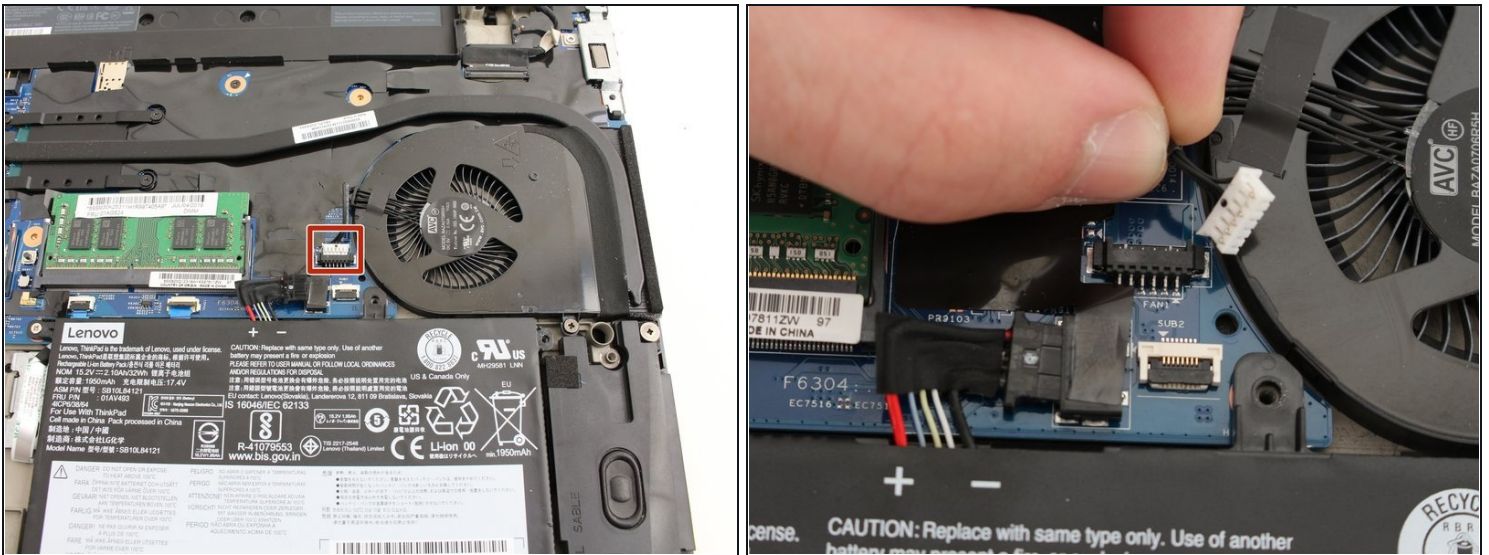
- Run a jimmy along the crease of the computer all the way around, twisting it periodically to disengage the clips.

Step 6



- Once all the clips are released, remove the bottom cover.
- ① You may need to jiggle the case slightly to release the clips around the external battery bay.

Step 7 — Cooling Fan



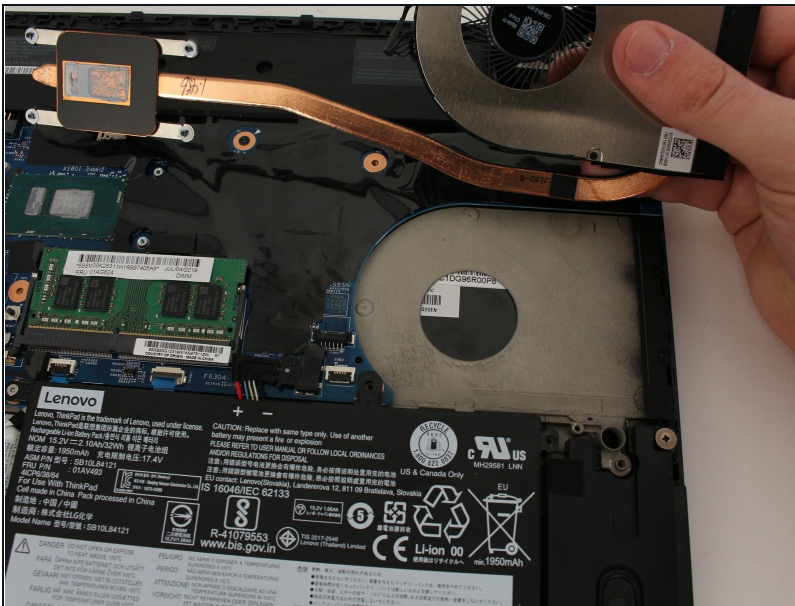
- Unplug the cooling fan's cable from the the motherboard.

Step 8



- Using a Phillips #00 screwdriver, unscrew five 4.6 mm screws fastening the fan and cooling pipe.
- ⓘ The screws are set in the plastic and are not able to be removed from the fan parts.

Step 9



- Remove the cooling fan directly upwards from the core.
- ★ Be sure to clean and replace any thermal paste on the heatsink and CPU before reassembling. You can use our [How to Apply Thermal Paste](#) guide if you need any help!

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