



# Lenovo ThinkPad X1 Carbon 5th Gen Fan and Heat Sink Replacement

This guide will show users how to replace their...

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## INTRODUCTION

This guide will show users how to replace their heat sink and fan on the Lenovo ThinkPad X1 Carbon 5th Gen, Type 20K3-S0DQ00 S/N PF-0VPYSA 1710. The fan and heat sink work together to keep the laptop cool. Replacing this could help with overheating issues the user is experiencing. The device should be powered off while working on the device. This guide can take some time to complete so be sure to keep that in mind when working on the device.



### TOOLS:

- [Phillips #1 Screwdriver](#) (1)
- [iFixit Opening Tool](#) (1)



### PARTS:

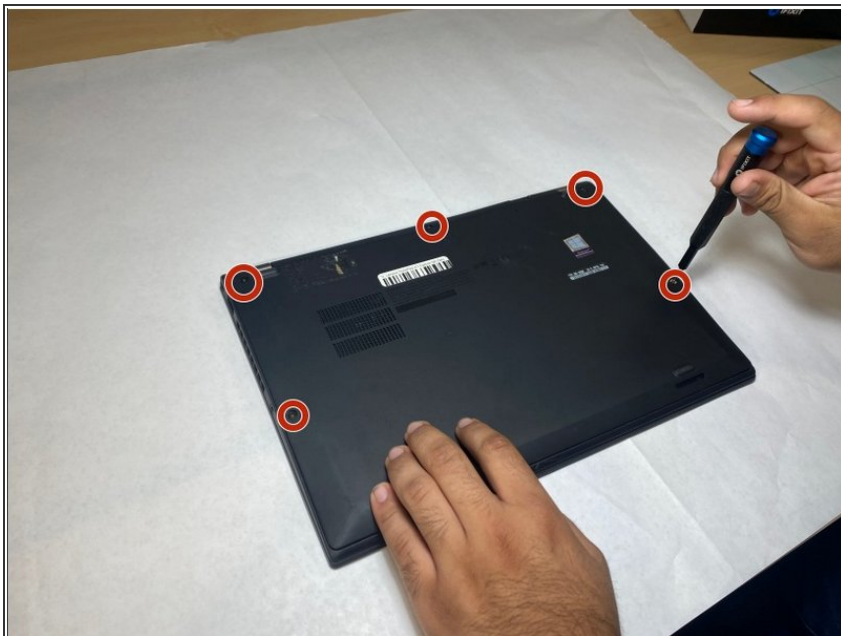
- [Lenovo ThinkPad X1 Carbon 5th Gen Fan and Heatsink Assembly](#) (1)

## Step 1 — Back Cover



- Turn the laptop on to its back.

## Step 2



- Use the Phillips #1 screwdriver to remove five 1.2 mm screws from the back cover of the laptop.



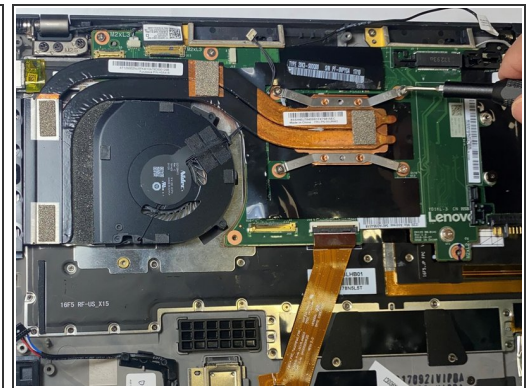
## Step 3



- Remove the back cover using the opening tool, leaving the laptop back exposed.
- Use the opening tool to pry the edge and work your way around the perimeter.

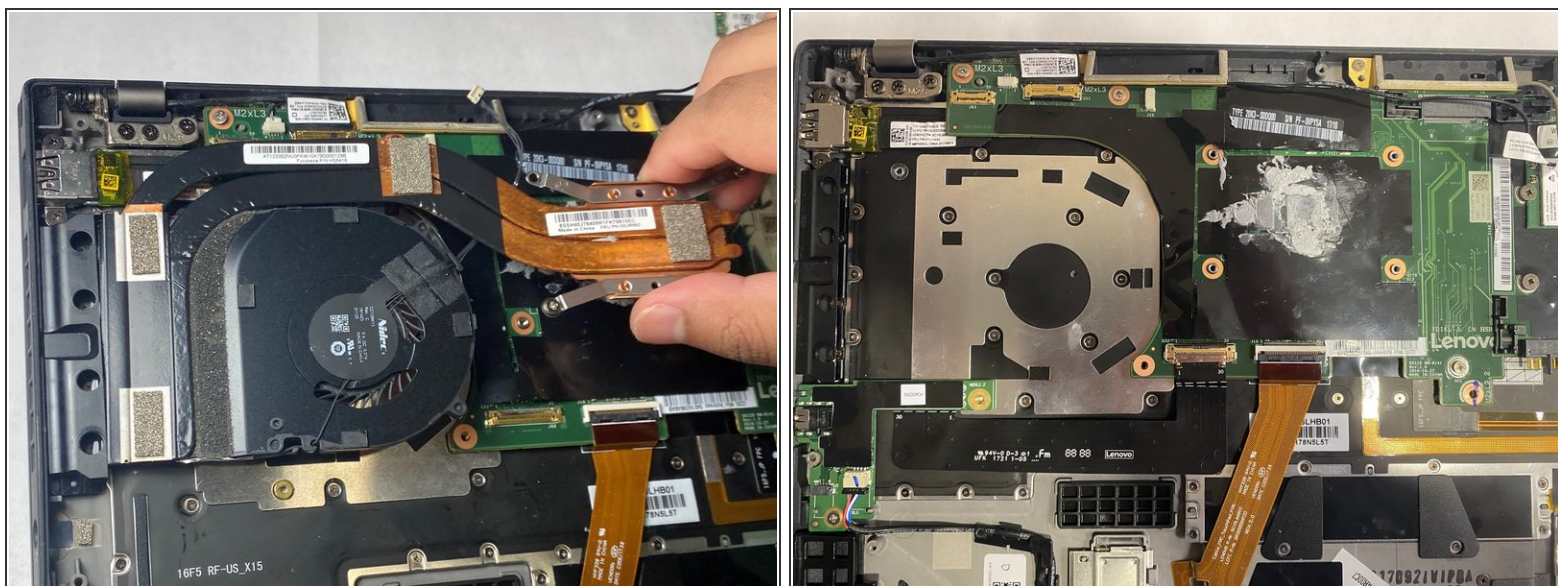
⚠ Careful to undo the clips before removing the back cover.

## Step 4 — Fan and Heat Sink



- Use the Phillips #1 screwdriver to remove all five 1 mm screws holding the fan and heat sink down.

## Step 5



- Pick up the fan and heat sink and carefully remove it.

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