



# Lenovo ThinkPad X1 Carbon (9th Gen) Thermal Paste Replacement

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## TOOLS:

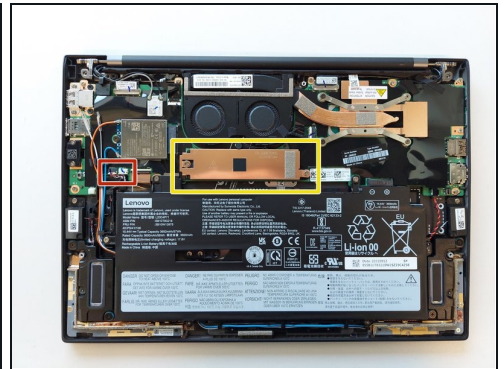
Phillips #0 Screwdriver (1)  
Spudger (1)  
Isopropyl Alcohol (1)  
Cotton Swabs (1)

## PARTS:

Thermal Paste (1)

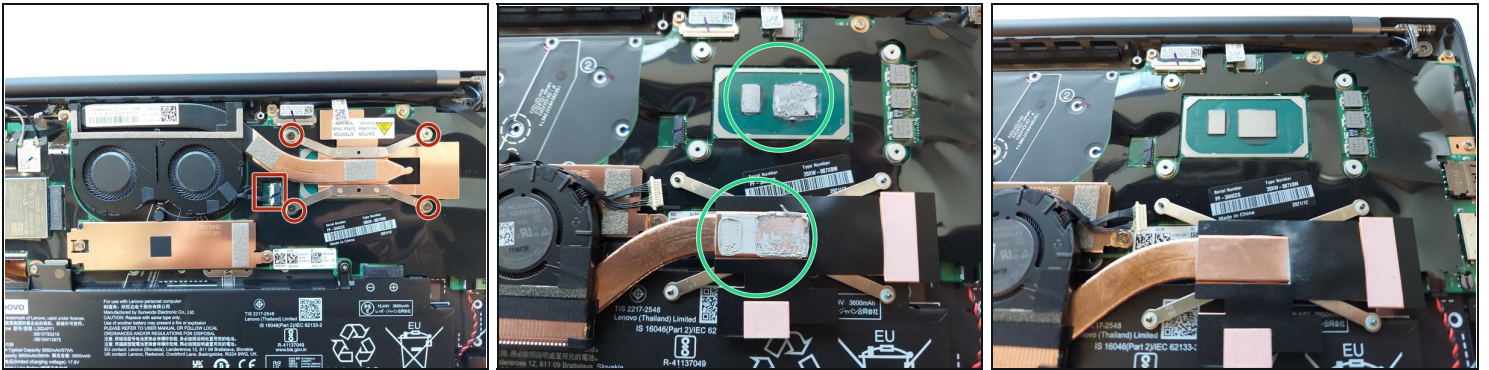
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### Step 1 — Opening the laptop



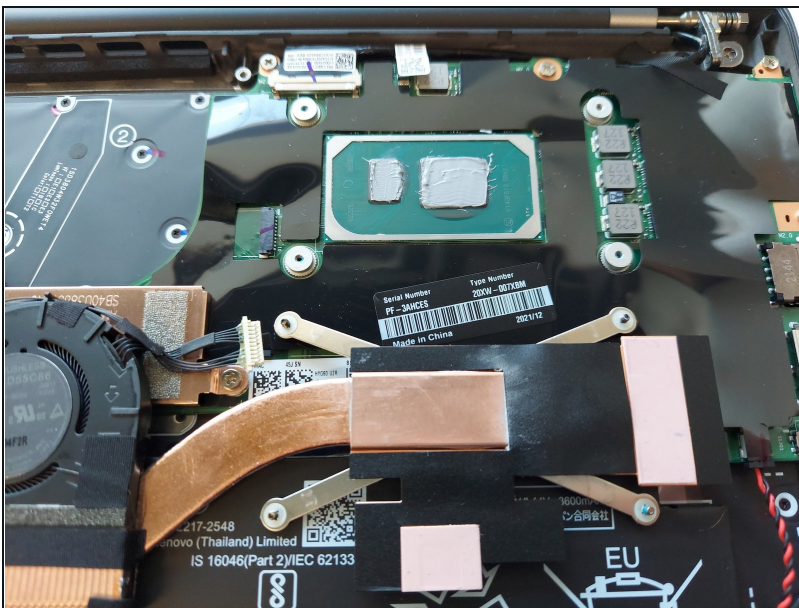
- Unscrew the 5 screws holding the back panel in place.
- Use a plastic prying tool to release all the clips holding the panel in place.
- It is recommended to disconnect the battery.
- Once you opened the back cover, it is a good idea to upgrade the SSD if you want.
- It is also recommended to use compressed air to remove any dust in the laptop and the fan.

## Step 2 — Changing the thermal paste



- Unscrew the 4 screws holding the CPU heatsink and disconnect the fan.
- Clean the old thermal paste both from the cooler and the CPU. It is best to use isopropyl alcohol and cotton swabs or paper towel, but be careful not to go too hard on the CPU.

## Step 3 — Applying new thermal paste



- Don't use too much thermal paste, just enough to cover some portion of the pad. If you have a spreader, use it. The thermal paste will apply evenly after you tighten the heatsink.
- Last, put the heatsink back carefully and tighten the screws in order 1 -> 4 to ensure even pressure. Don't forget to plug in the fan cable.

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