



# Lenovo ThinkPad X1 Yoga Cooling Fan Replacement

How to clean or replace the cooling fan system in the Lenovo ThinkPad X1 Yoga.

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## INTRODUCTION

This repair guide is to remove, clean, and replace the cooling fan system on the Lenovo ThinkPad X1 Yoga (Model Number: 20FQ005YUS). The cooling system is very important to keep the computer functioning smoothly. If your computer is running slowly, overheating, or the fan is loud, it is time to clean or change the cooling fan system.

After Step 4, you will need to reapply thermal paste. Please refer to [this guide](#) on how to do that.

## TOOLS:

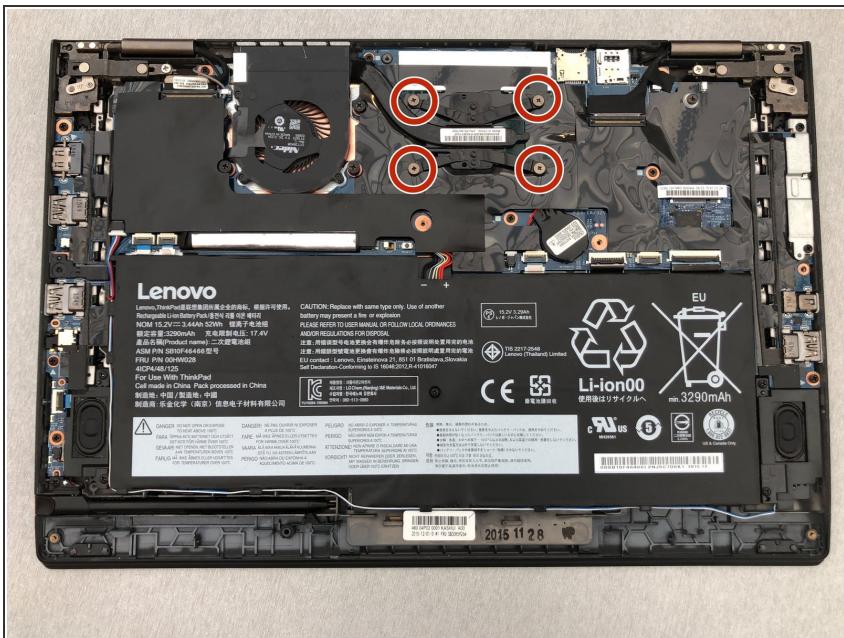
- [Phillips #1 Screwdriver](#) (1)
- [Phillips #000 Screwdriver](#) (1)
- [Microfiber Cleaning Cloths](#) (1)
- [iFixit Opening Tools](#) (1)

## Step 1 — Back Cover



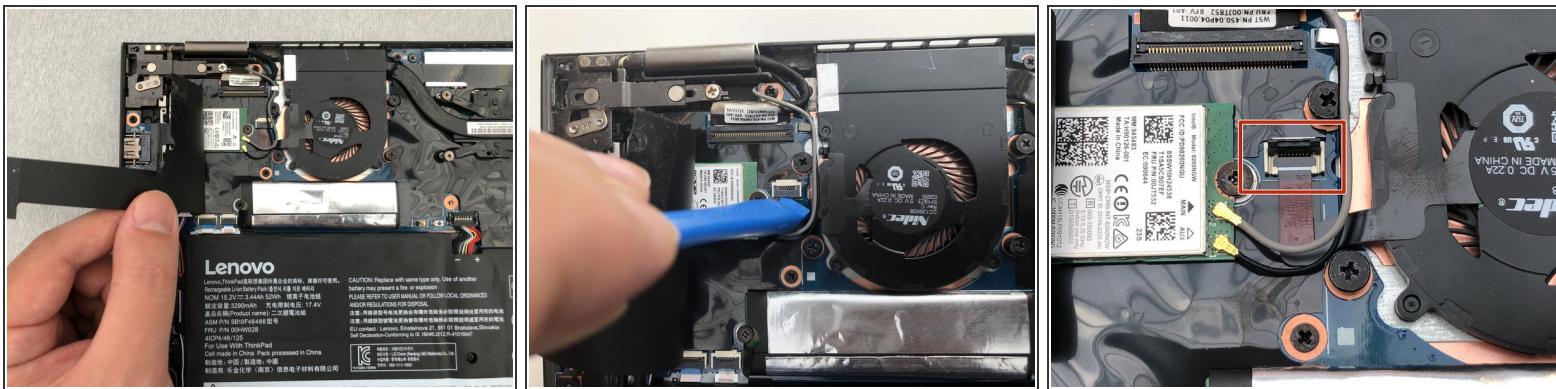
- Flip the computer over so the bottom is facing up.
- Remove nine 4mm Phillips #1 screws from the bottom of the computer.
- Use an iFixit opening tool to pry the back cover off of the laptop.

## Step 2 — Cooling Fan



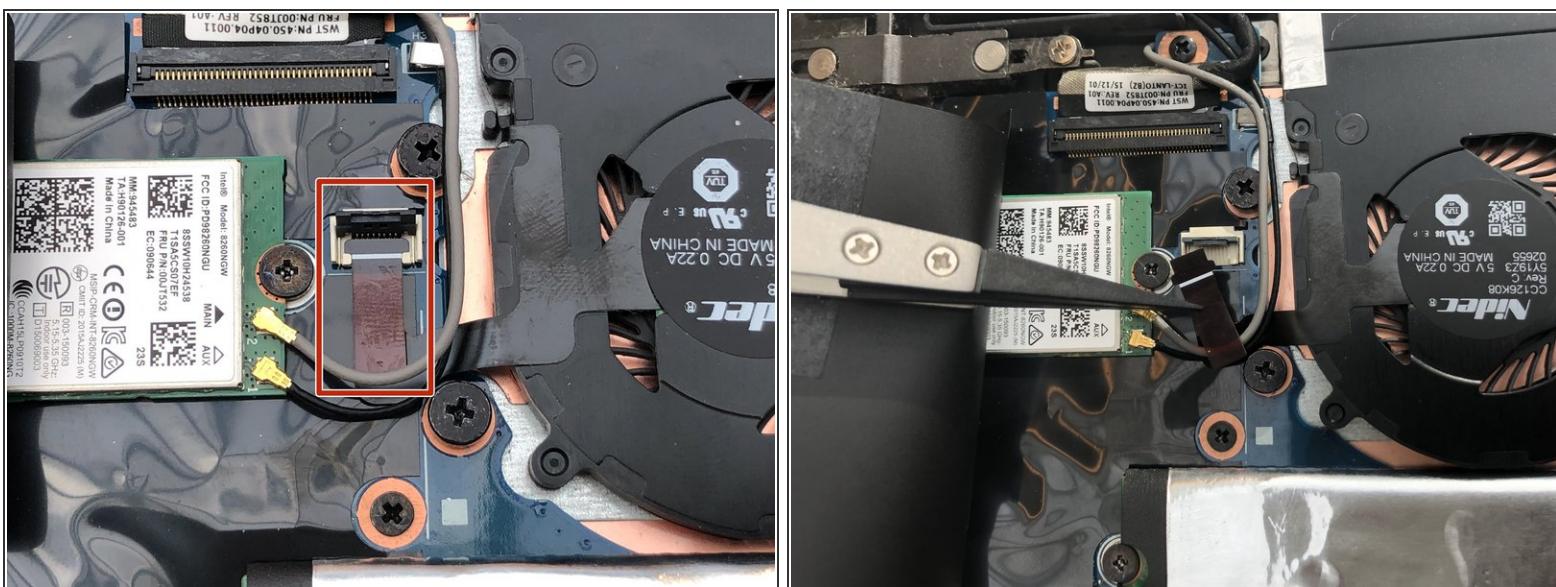
- Remove four 4.5mm Phillips #1 screws from the corners of the heat sink.

## Step 3



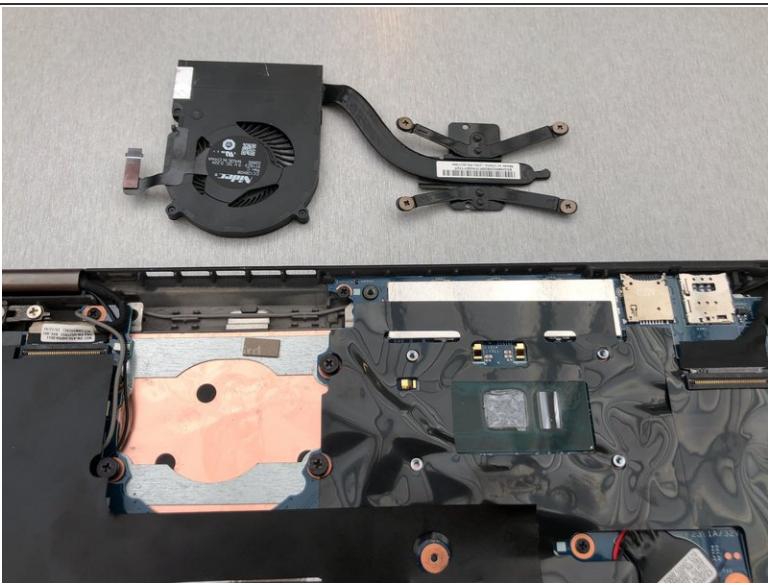
- Gently peel back the black plastic covering around the fan.
- You may hear or feel the adhesive pulling away here.
- Using an iFixit opening tool, flip up the small black cover of the fan plug.

## Step 4



- Using tweezers, pull the plastic strip out.

## Step 5



- Remove the fan from the computer.

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