Lenovo IdeaPad Y40-70 Laptop Fan Replacement

If you notice your computer is running louder...

Written By: Nina Yadlowsky

INTRODUCTION

If you notice your computer is running louder than it usually is, or that it is giving a performance output that is lesser than what you are used to, you likely have a dust problem inside the computer's cooling system. However, there is no need to worry, as this guide can help you easily disassemble your computer and clean the dust out of the fan and heatsink.

🔧 TOOLS:

Compressed Air (1)
Small Flat (Slotted) Head Screwdriver (1)
Small M2 Phillips Screwdriver (1)
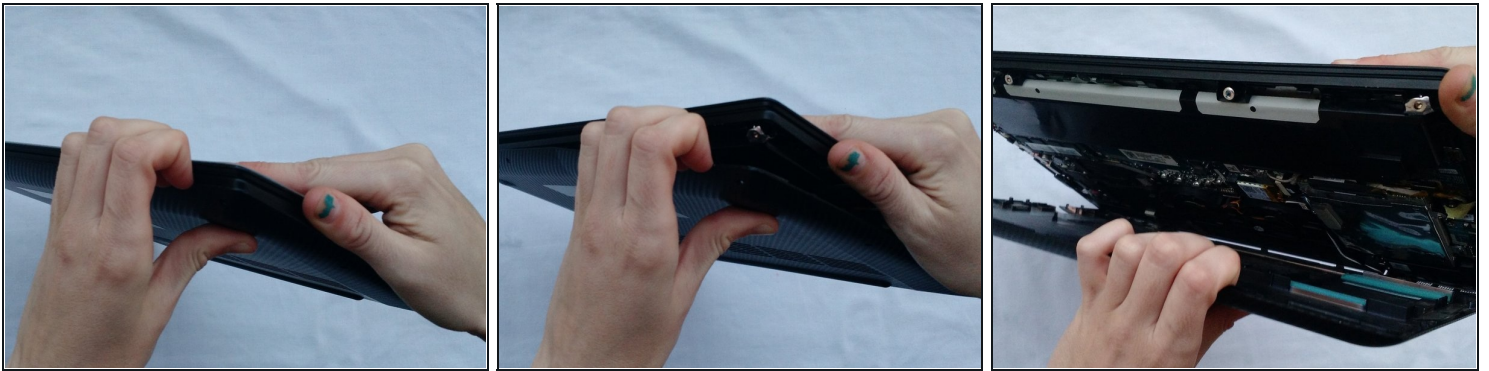Small M2.5 Phillips Screwdriver (1)

⚙ PARTS:

Replacement Lenovo Y40 cooling fan (optional) (1)

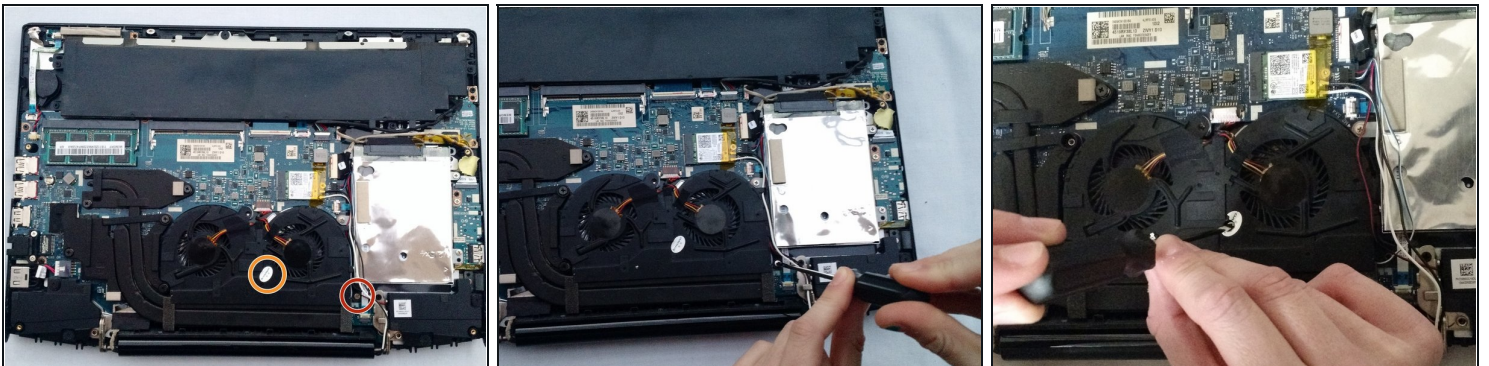## Step 1 — Remove the bottom cover screws

- Turn off the computer and close the lid.

- 🔴 Remove the three M2.0 x 11mm screws circled in red.
  - ⓘ Put the screws in a container so they don't get lost.

- 🟠 Remove the eight M2.0 x 5mm screws circled in orange.
  - ⓘ Put the screws in a separate container.
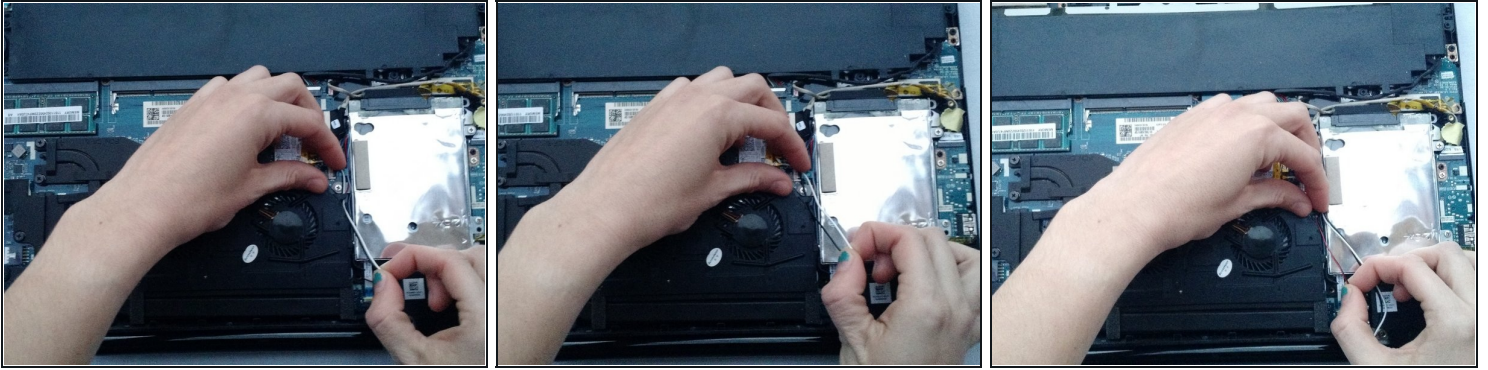
Step 2 — Release the bottom cover

- Carefully remove the back cover by pulling up on the edges from all sides.

  ⚠ Do not pull too hard on one side of the cover as it may damage the computer.

- Place the cover to the side.

Step 3 — Remove the fan

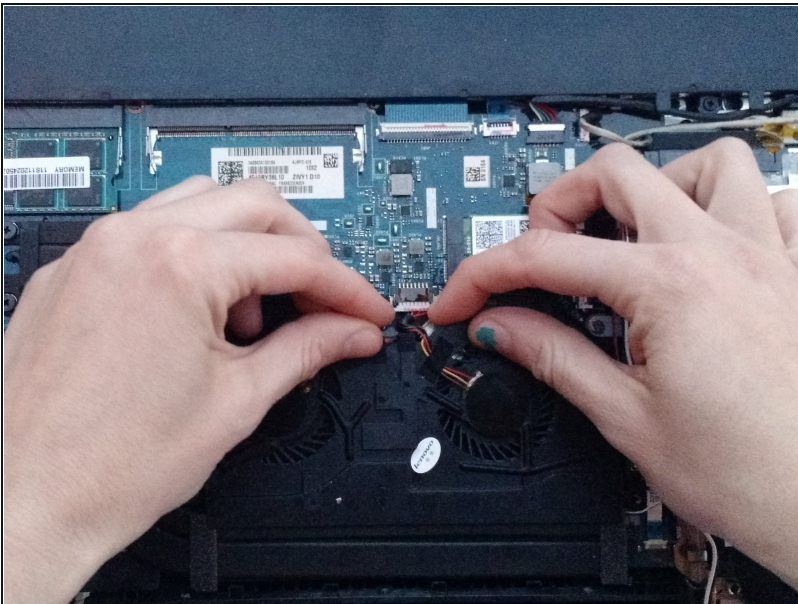
- Use a small M2.5 Phillips screwdriver to remove the two M2.5 x 4.45 mm screws surrounding the fan.

  ⓘ Place these screws to the side, separate from the screws from step one.

- This screw has a warranty seal covering it. You may void the warranty by disassembling the system further.

  ⓘ If you are concerned about the warranty, use compressed air to clean the fan at this step. Afterward, make sure to reassemble the laptop by going through the guide in reverse.

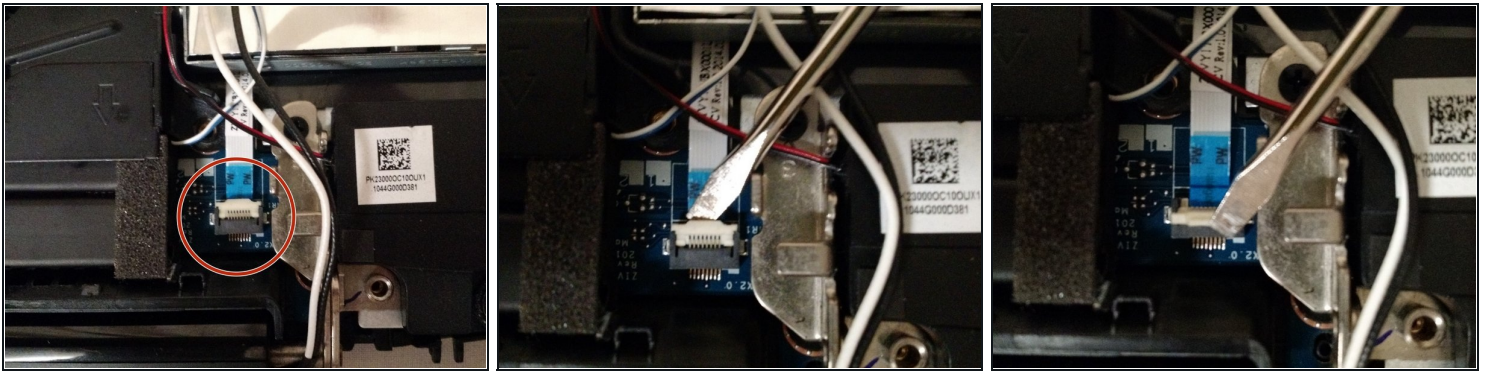## Step 4 — Loosen the speaker connectors

- Remove the wires from the side of the fan.

- Carefully unhook each grouping from the small black tabs on the fan.
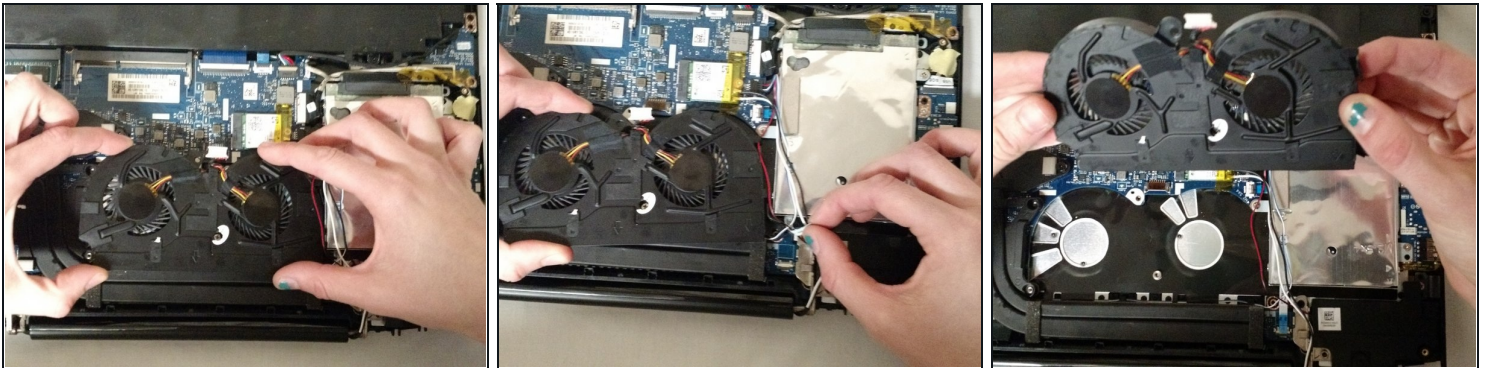
Step 5 — Disconnect the fan

- Carefully pull out the small white plug connecting the fan to the motherboard.
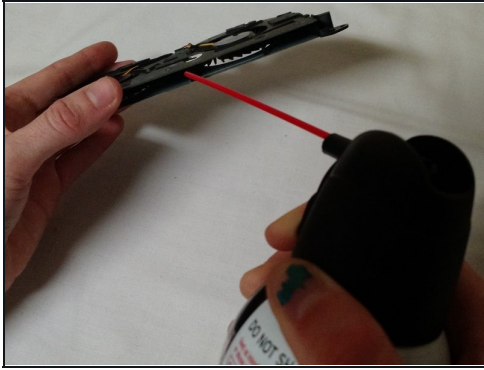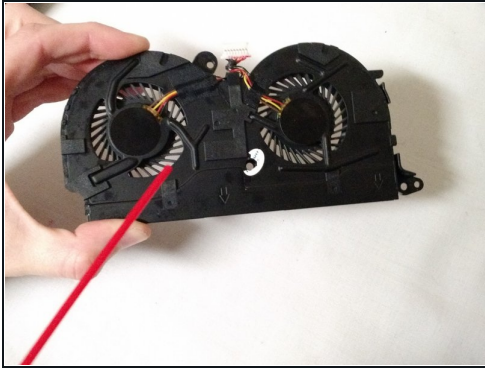
Step 6

- Use a small flathead screwdriver to pull upwards on the tab connecting the white ribbon wire to the board. Unhook the white wire from the black latch.

Step 7 — Remove the fan

- Carefully lift the fan out of the computer and place it on a clean surface.

- As you lift up the left side, you will have to apply some force to overcome the adhesive on the bottom.

Step 8 — Clean the fan

- Use compressed air or a vacuum with a tube to clean out the dust from the fan.

ⓘ If you wish to replace the fan, set the old fan to the side, and complete the reassembly using your replacement.

To reassemble, complete the steps in reverse order. Make sure you fully close the back panel of the laptop before turning it on.