Lenovo Laptop Fan Replacement

This guide will show you how to remove, clean, and replace the fan in your Lenovo Y40 Laptop.

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INTRODUCTION

If you notice your computer is running louder then it usually is, you likely have a dust problem. Use this guide to clear 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:**

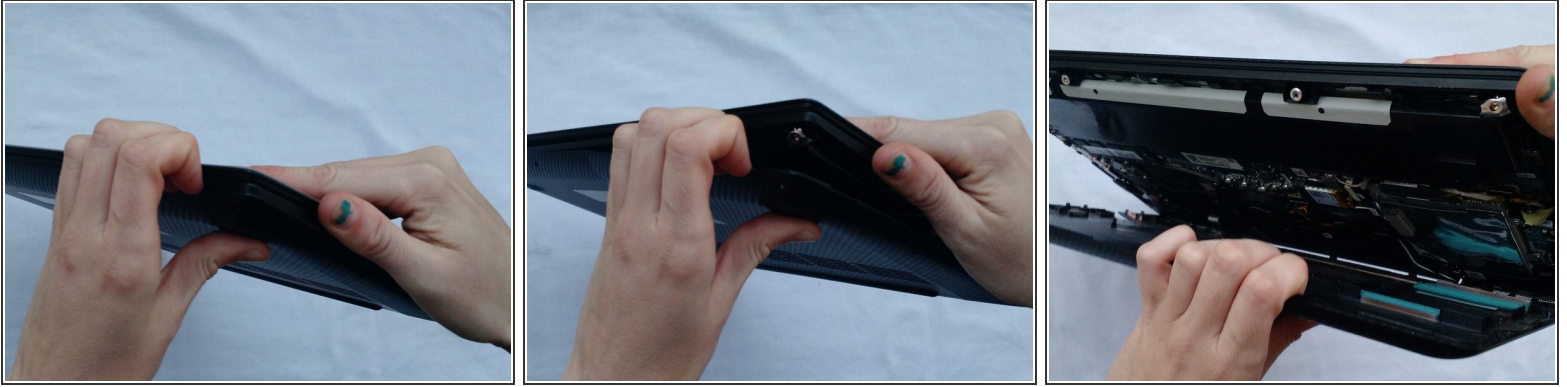- Replacement Lenovo Y40 cooling fan (optional) (1)

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 blue.
  - Put them in a container--bowl, etc.--so they don't get lost.

- Remove the eight M2.0 x 5mm screws circled in red.
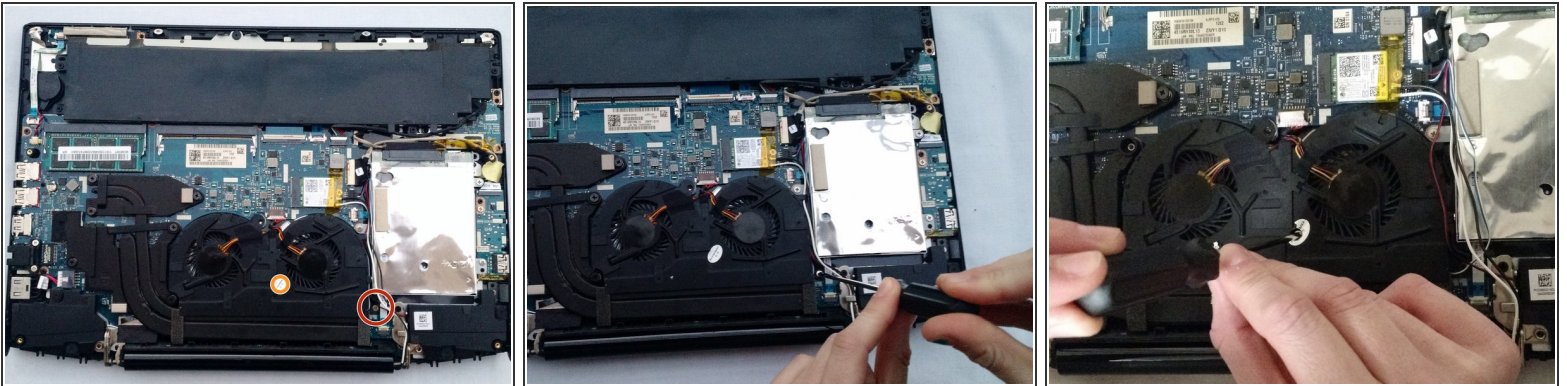 - Put them is a separate container.
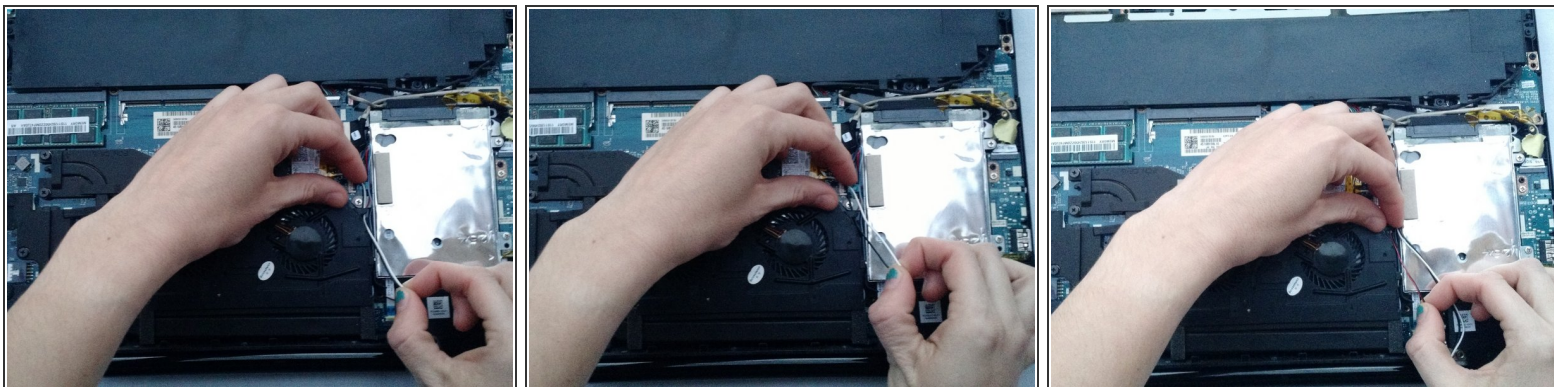
Step 2 — Release the bottom cover

- 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 cause cracking.

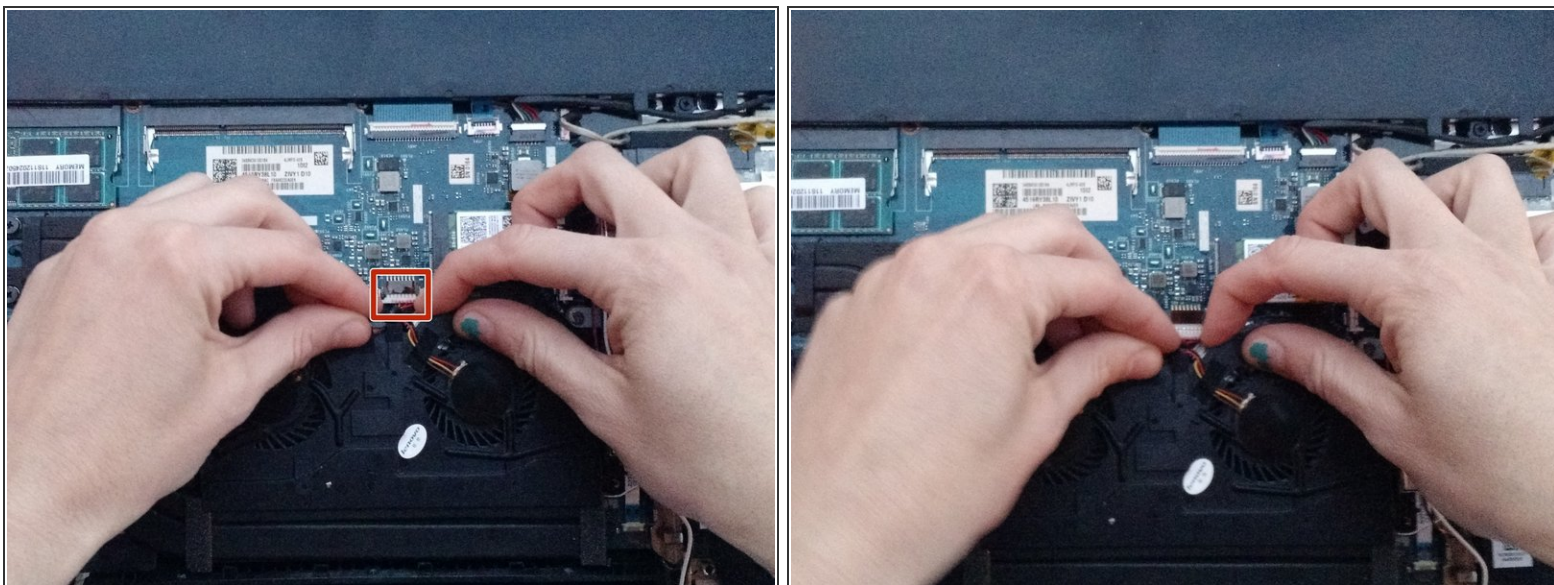- Place the cover to the side

Step 3 — Remove the fan

- Use a Small M2.5 Phillips Screwdriver to remove the 2 M2.5 x 4.45 mm screws surrounding the fan.

  - Carefully place these screws to the side, separately from the screws from part 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 with the laptop partially disassembled.

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Step 4 — Loosen the speaker connectors

- Remove the wires from the side of the fan.

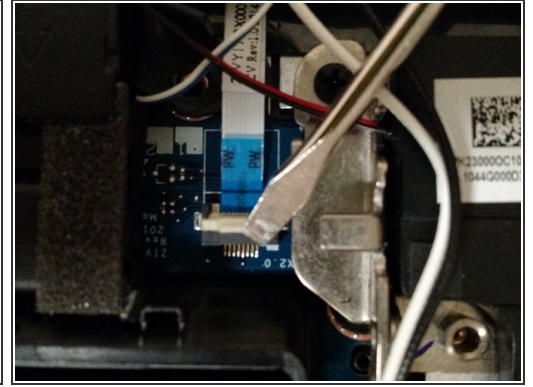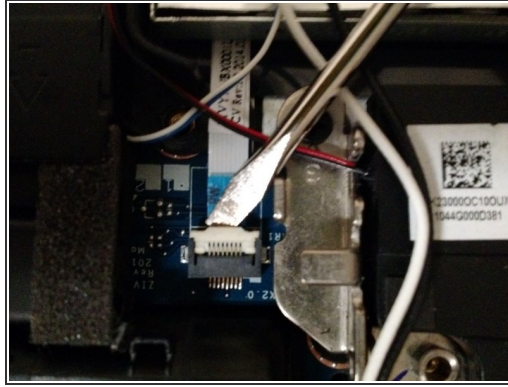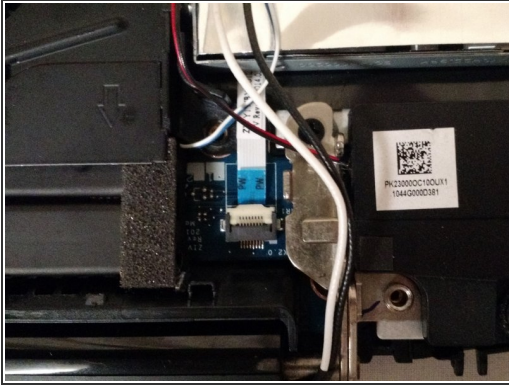- Carefully unhook each grouping from the small black tabs on the fan

Step 5 — Disconnect the fan

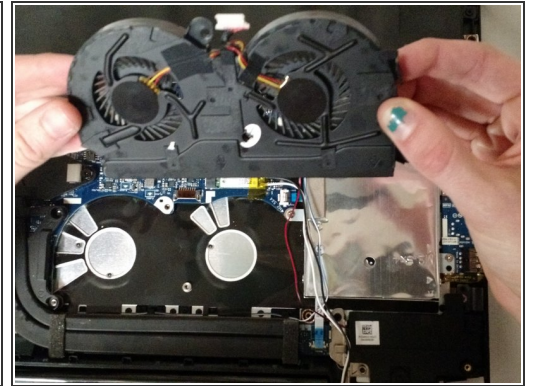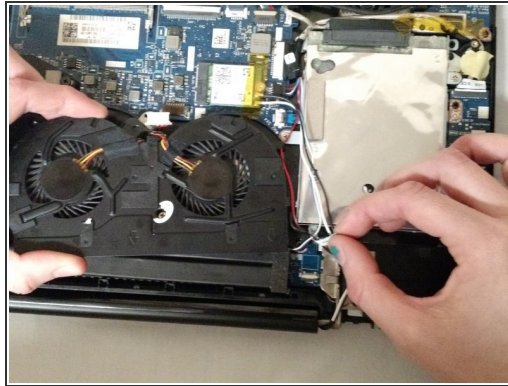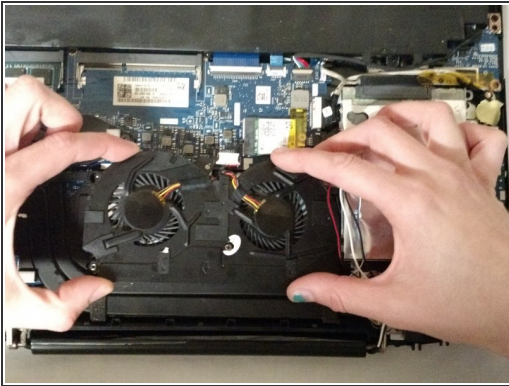- Carefully pull out the small white plug connecting the fan to the motherboard

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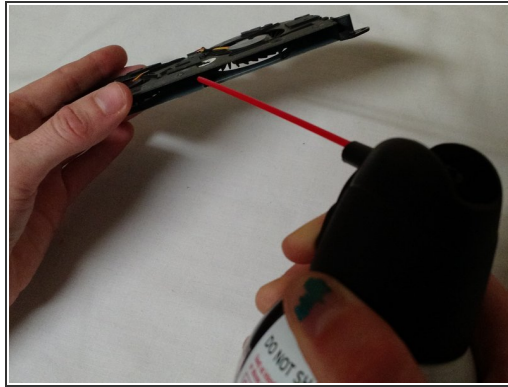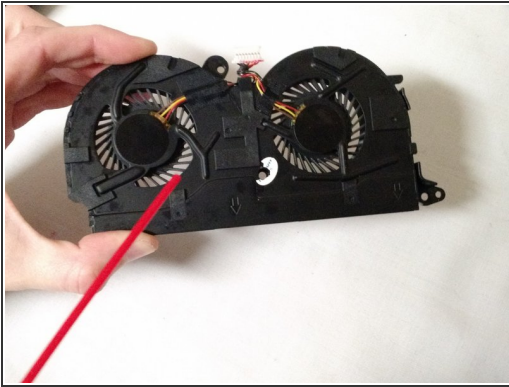
Step 6

⚠ This step is not required.

- Use a small screwdriver to pull upwards on the tab connecting the white ribbon wire to the board.

- Carefully lift up the white cable and unhook the fan from the black peg.

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.

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Step 8 — Clean tthe 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.