Lenovo ThinkPad X100e Fan Replacement

Use this guide to completely replace the CPU cooling fan in the Lenovo ThinkPad X100e.

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INTRODUCTION

Use this guide to replace a noisy or burned-out fan.

🔧 TOOLS:

- Magnetic Project Mat (1)
- Spudger (1)
- 54 Bit Driver Kit (1)
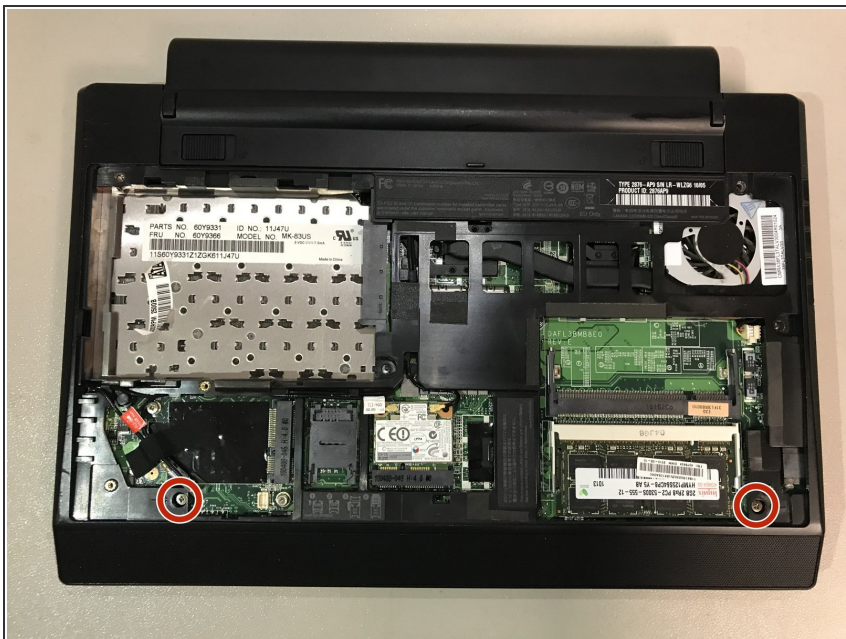 PH0 bit
- Tweezers (1)

Step 1 — Fan

- Flip the computer over and remove the battery.

- ⓘ Please view the [Battery Replacement Guide](#) if more detailed instructions are needed.

Step 2

- Locate the screws on the back of the laptop. Unscrew all 7 screws using a magnetic screwdriver fit with a PH0 bit.

- ⓘ All 7 screws should be bounded to the panel.

Step 3

- ● Remove the following screws with a magnetic screwdriver fit with a PH0 bit.

- ⓘ There should be 2 screws total.

Step 4

- ● Please follow steps 3-6 from the [Keyboard Replacement Guide](), then return to this guide.

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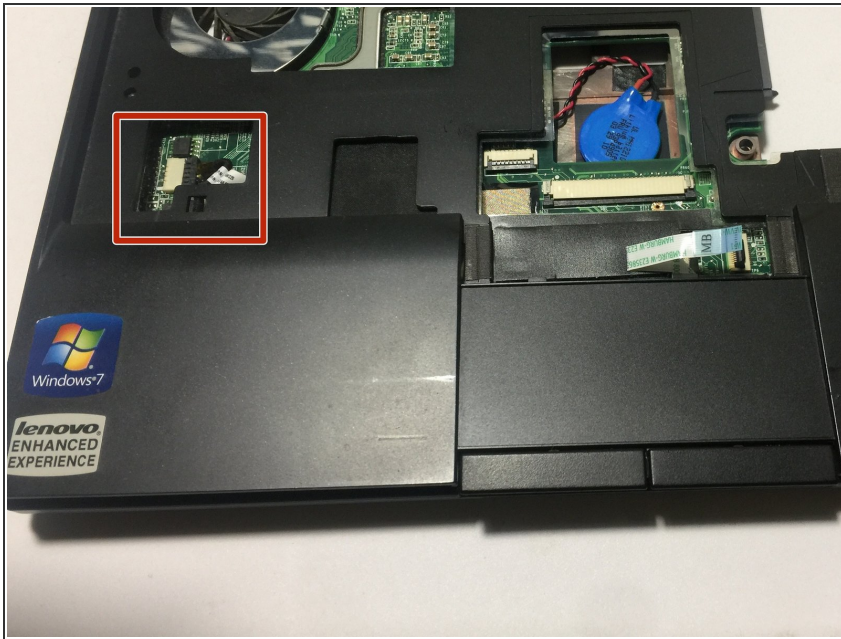
Step 5

- Using the magnetic screwdriver fit with a PH0 bit, unscrew the two screws shown in the picture.

Step 6

- Disconnect the two wired ribbons by pulling up the little black tabs, then pull the wires out.

Step 7

- Disconnect the little black wire by simply pulling it out.

Step 8

- Using the spudger, go beneath the frame to pry the frame off the device.

- (i) The best place to start from is the bottom, near the trackpad.
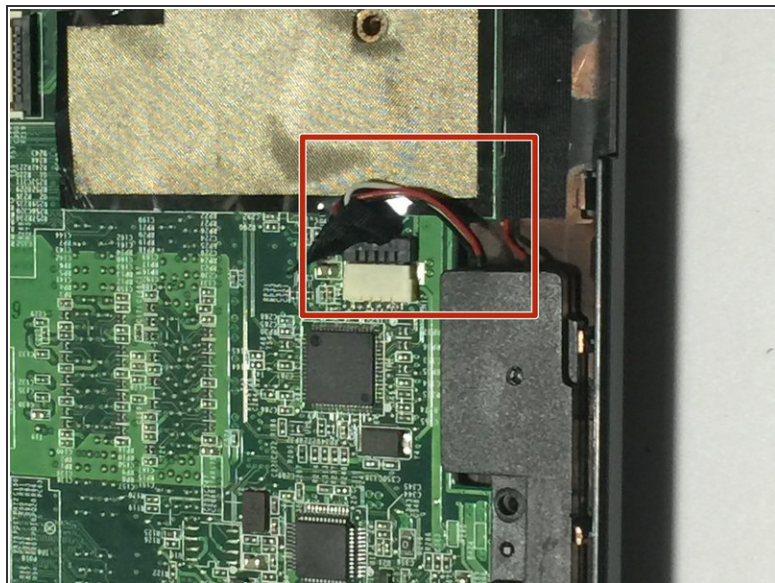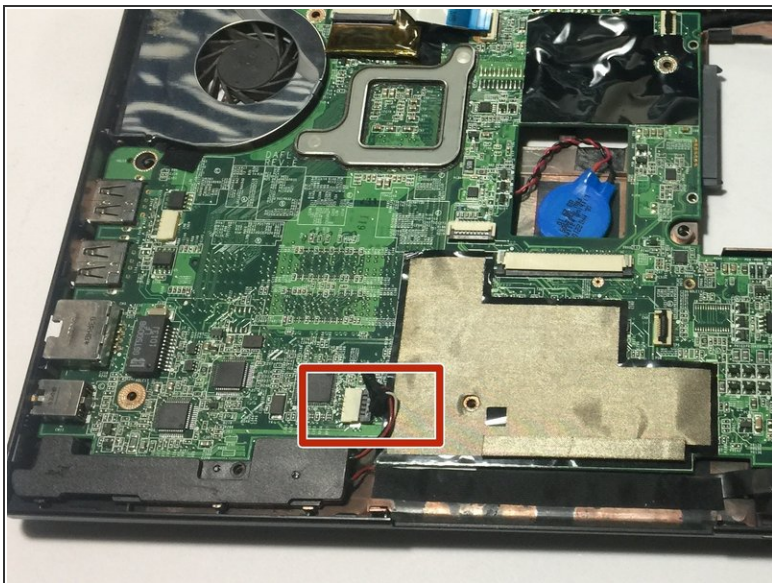
- Place the frame aside once this step is completed.

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Step 9

- Using the magnetic screwdriver, unscrew all 8 screws shown.

- (i) Be sure to place all your screws on the magnetic mat.
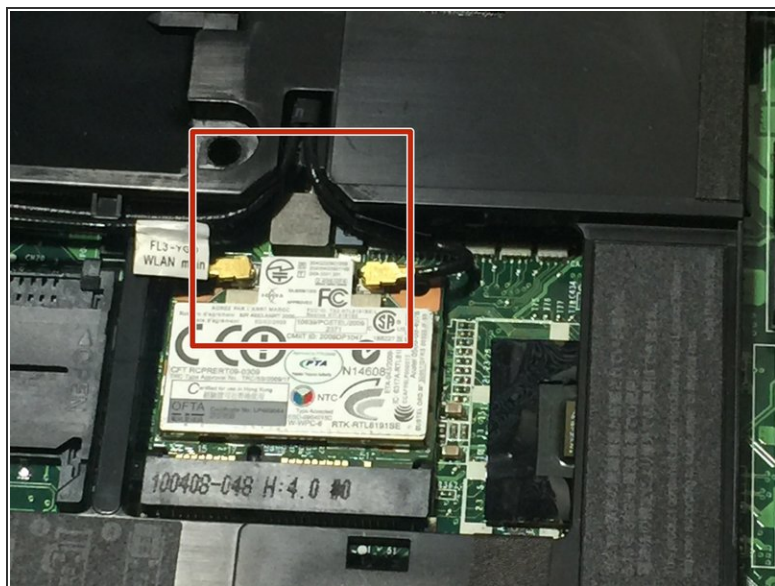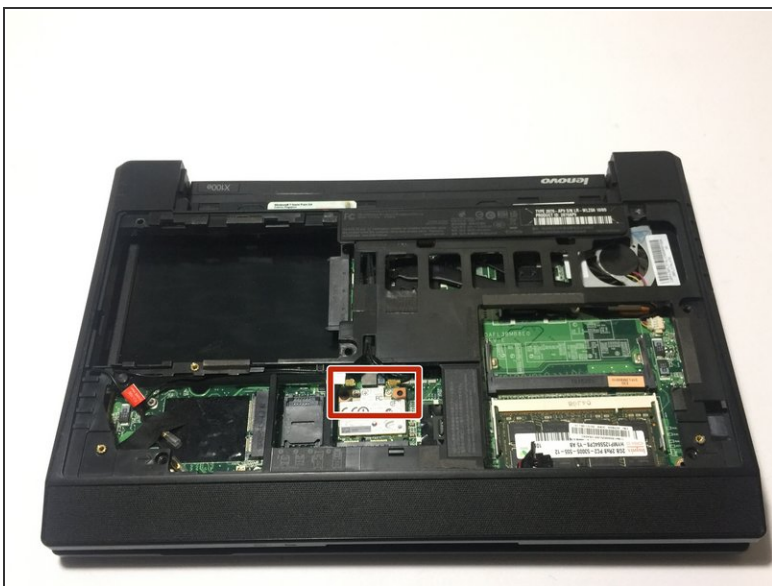
Step 10

- Disconnect the three wired ribbons on the top left side of the panel.

Step 11

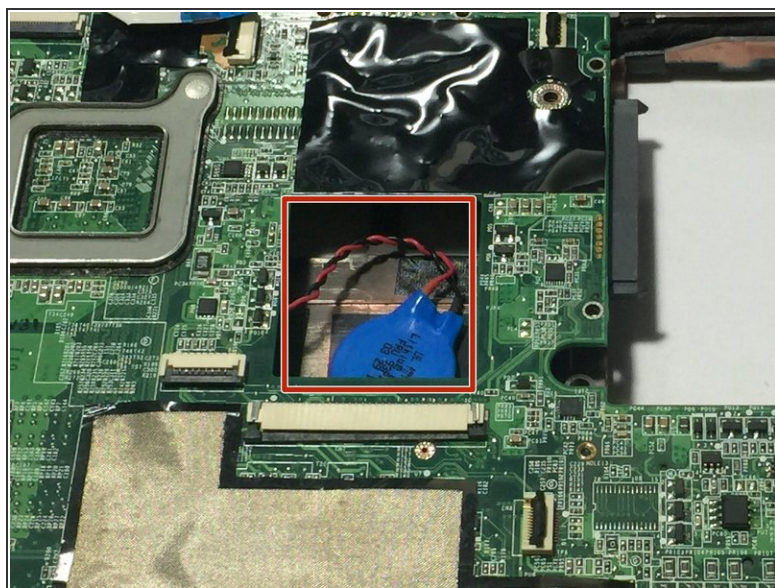- Disconnect the wired plug, then close the device and flip it over.

Step 12

- Simply pull the two plugs up and out to disconnect the wires.

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Page 8 of 11

Step 13

- Flip the device back over to untape the two black wires located at the bottom left corner of the device.

Step 14

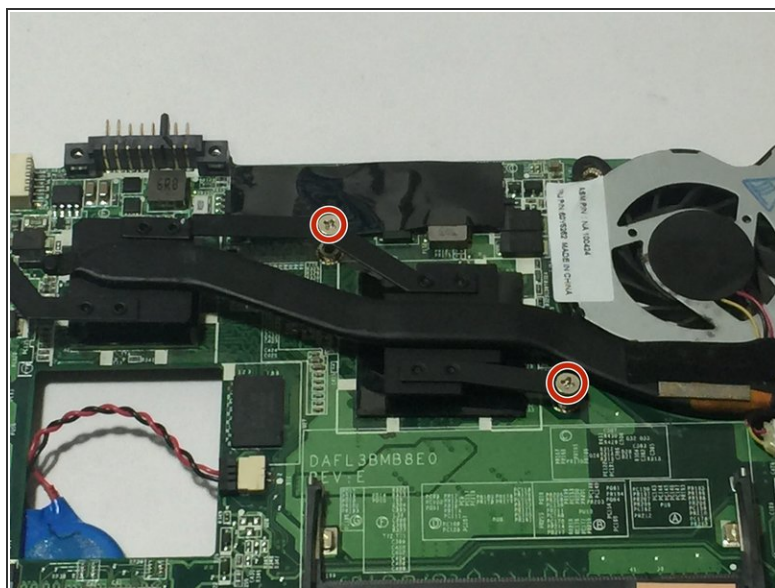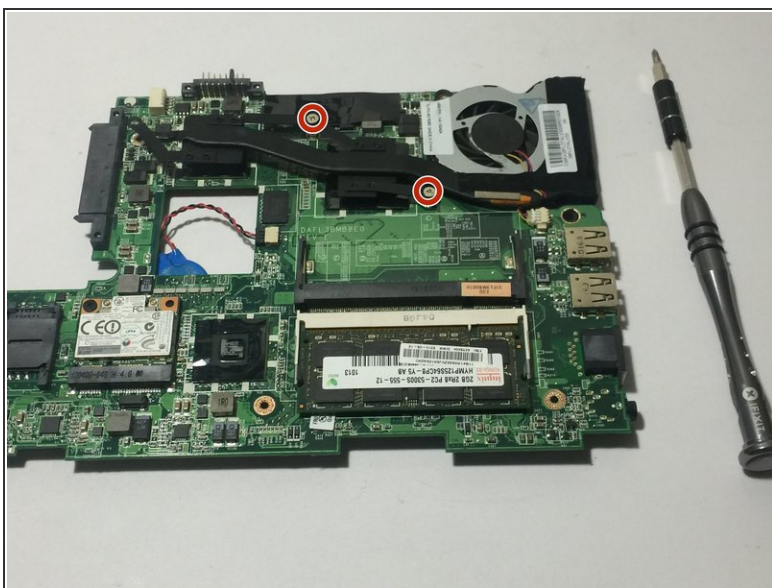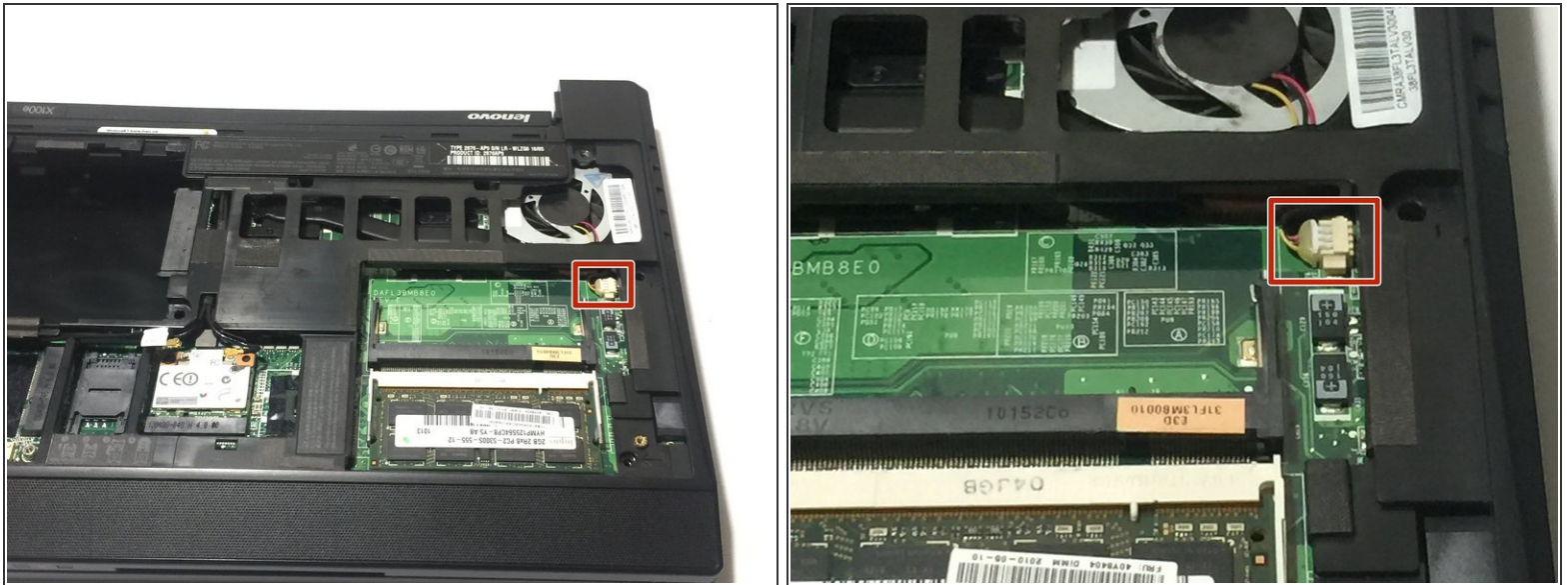- Simply disconnect the blue connector at the center of the device.

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Page 9 of 11

Step 15

- Using your fingers, slowly push the panel out of the plastic body.

- (i) Place the plastic body aside once the panel is free.

Step 16

- Using the same magnetic screwdriver, unscrew the two screws as shown in the picture.

Step 17

- Disconnect the plug right below the Fan. A pair of pliers might be useful during this step.

- ⭐ If you need to clean your cooling fan, simply spray compressed air onto the fan to clean in and rid it of debris. Repeat the previous steps in reverse order to put your laptop back together.

- ⓘ If you need to replace your cooling fan, simply place your new fan in, and follow the steps in reverse order to put your device back together.

Then you are good to go.

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