Samsung NP-130-JA01US Fan Replacement

This guide will explain how to remove the fan from the Samsung NP-130-JA01US. Cleaning or replacing the fan might solve your computer's overheating problem.

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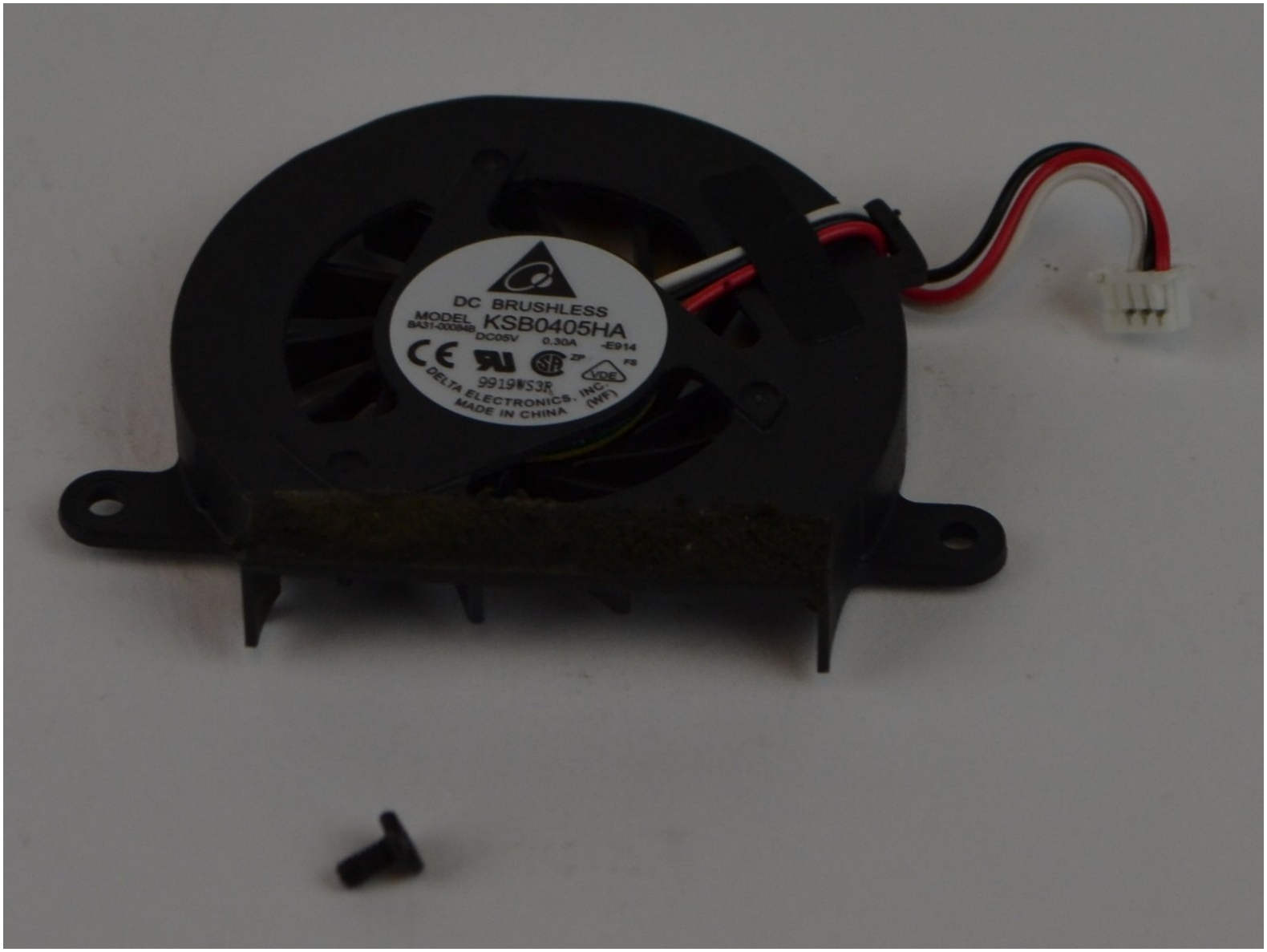

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INTRODUCTION

An overheating laptop is a common problem when the internal fan of the computer is either blocked or not working properly.

Excessive heat in your computer will cause it to turn off, and might lead to performance problems in the future. Cleaning or replacing the fan is a cheap way of solving the problem.

TOOLS:

- Phillips #1 Screwdriver (1)
- iFixit Opening Tools (1)

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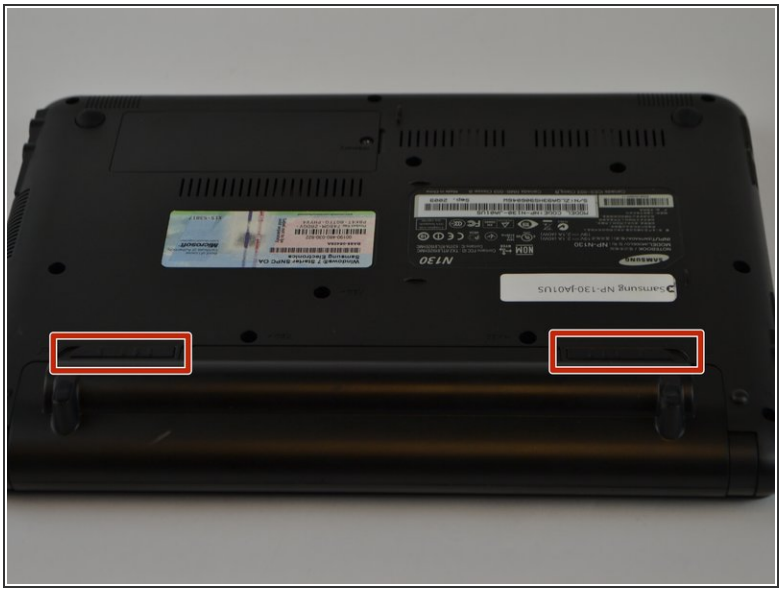
Step 1 — Battery

- Turn off the computer.
- Disconnect the charger cable from the computer.

⚠ Failure to disconnect the charger cable from the computer could result in an electric shock.

- Flip the computer over so the underside is facing up.

Step 2



- Slide the left and right slider buttons fully away from each other.

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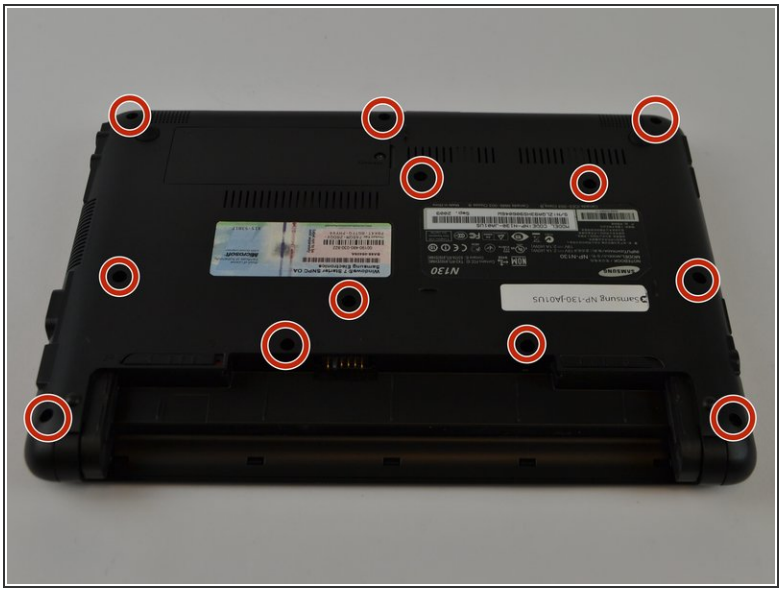
Step 3

- Pull the battery out of the computer.

Step 4 — Fan



- Using a Phillips 1 screwdriver, carefully remove all 12 screws of the back cover.

ⓘ The screws are Phillips 1 (PH 1) with a length of 60 millimeters (mm)

⚠ Do not force the screwdriver as you might damage the screws.

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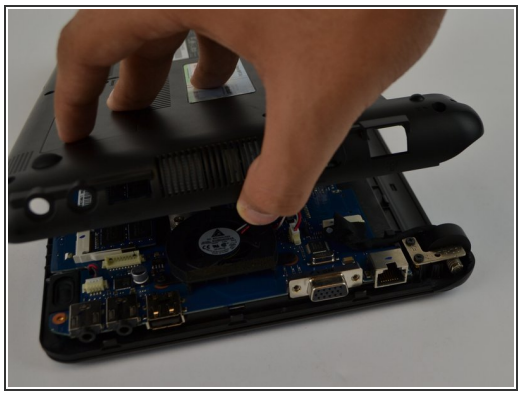
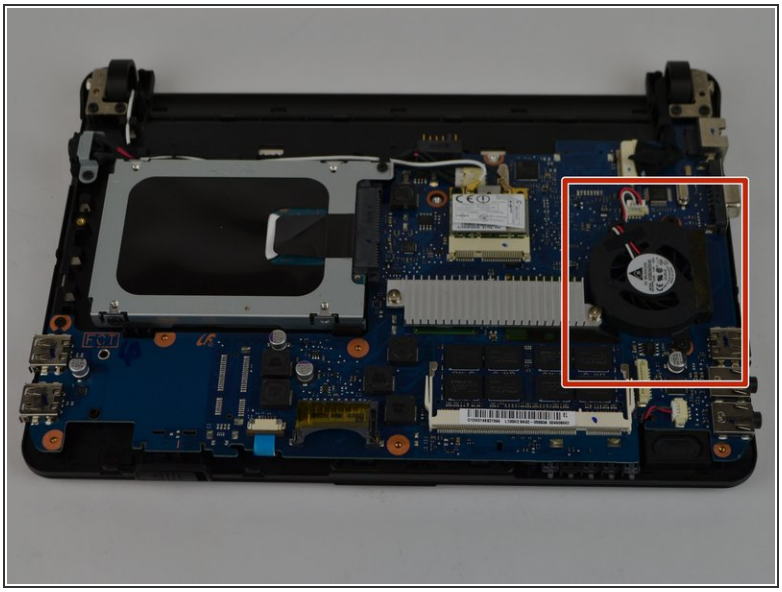
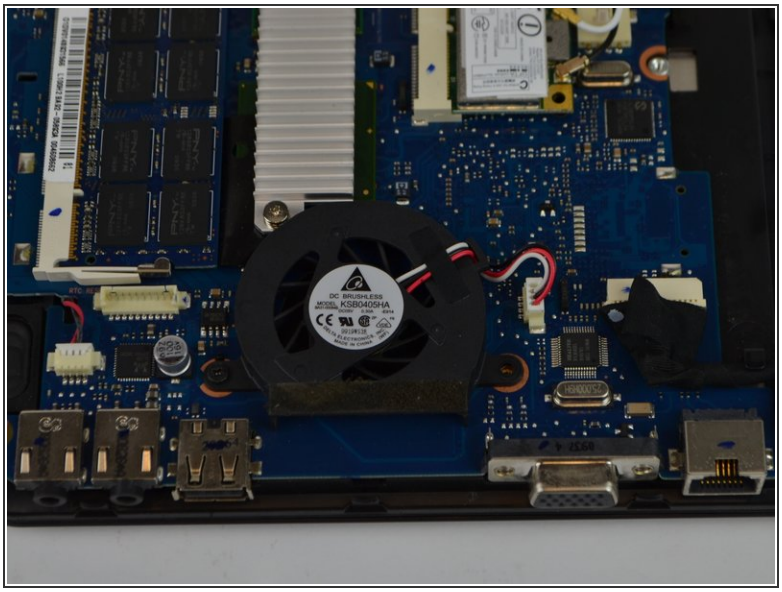
Step 5



- With the plastic opening tool, carefully separate the back cover from the computer frame.
- Starting at one of the corners of the computer, work your way around the edge until you reach the other corner.

  ⚠ Do not attempt to pry it open, putting too much force into one location might damage the computer.
- As you go around the sides of the computer, free the inside latches with the plastic opening tool.
- Once you have an opening, carefully use your hands to separate the back cover.

Step 6

- Locate the fan (marked in a red square).

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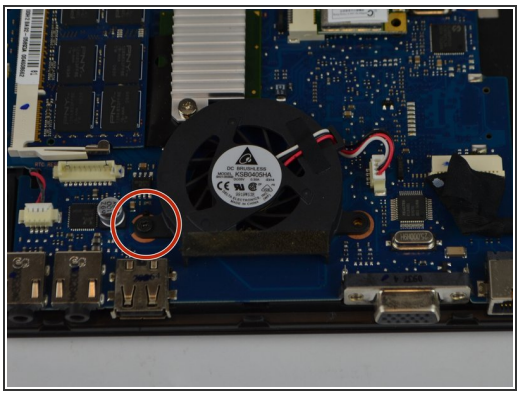
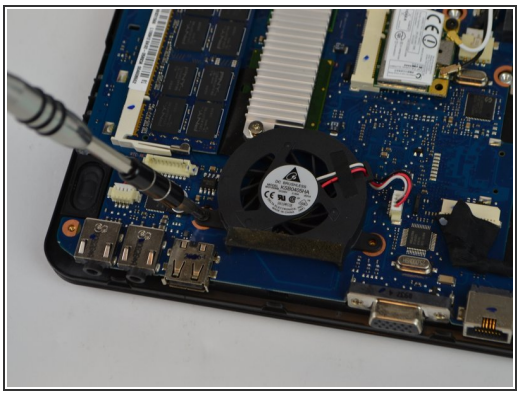
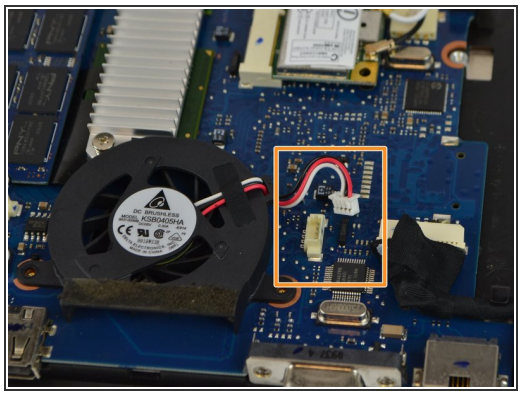
Step 7

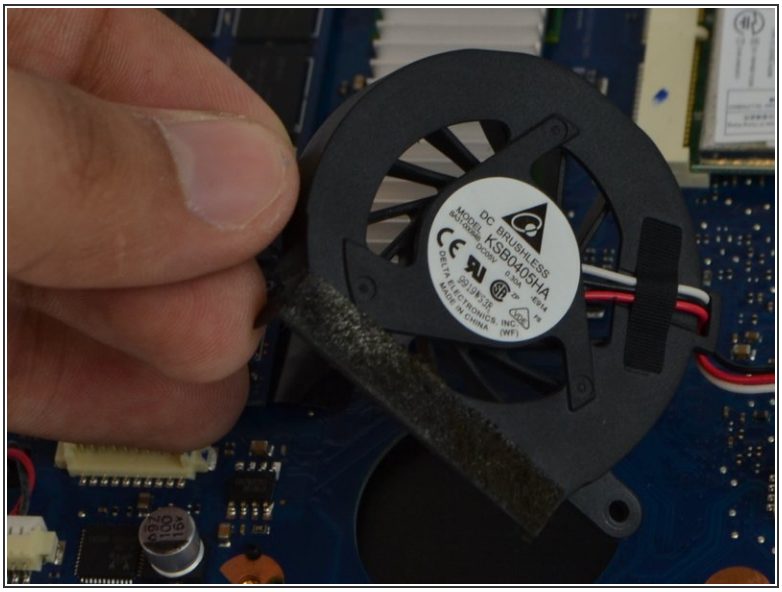
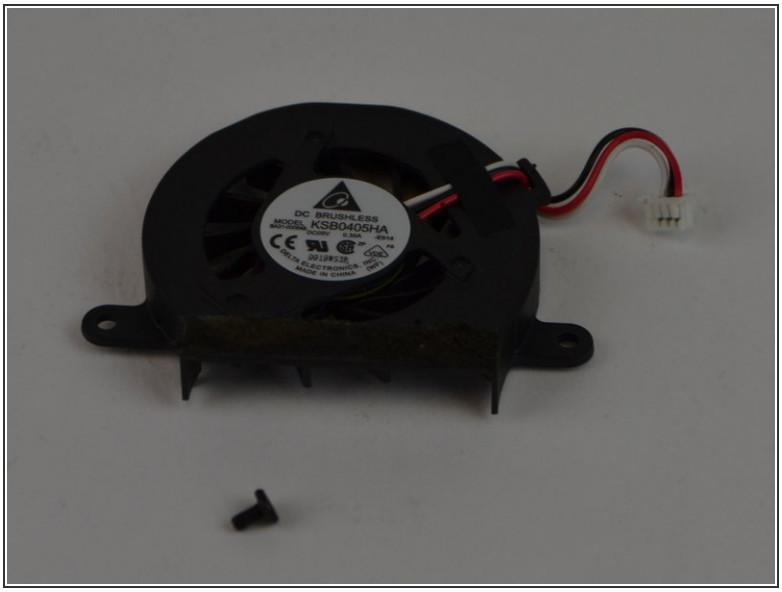




- Using a Phillips 1 screwdriver, remove the screw marked in a red circle.
  - The screw is a Phillips 1 (PH 1) with a length of 40 millimeters (mm)

Do not use too much force on the screw driver, you might damage the screw.

- Using your hands, carefully unplug the cords marked in a green square.

Step 8

- Carefully remove the fan.

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

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