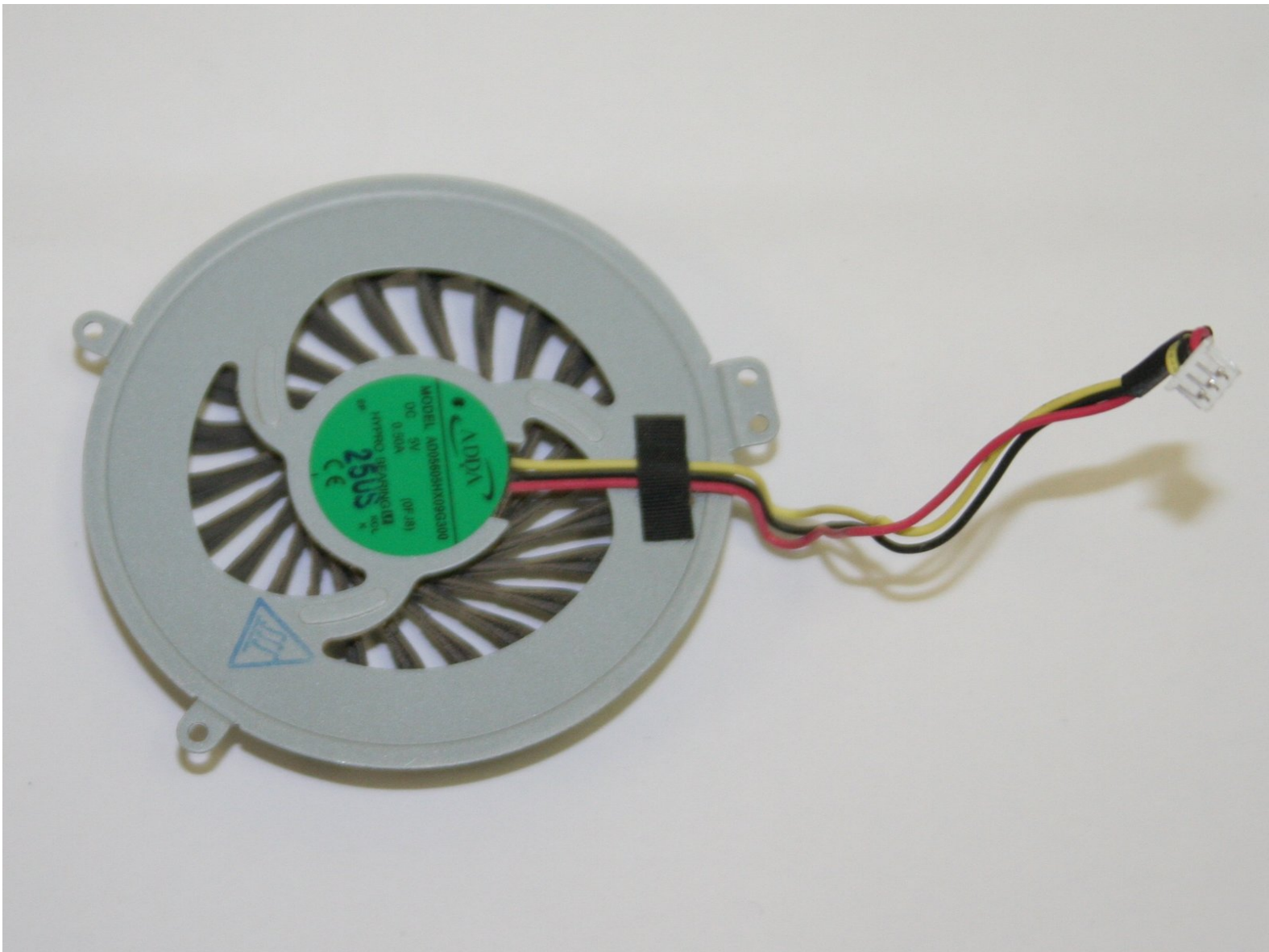




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INTRODUCTION

If your laptop is overheating or performing slowly, you can use this guide to replace the internal fan. This process is simple and only requires a #0 Phillips screwdriver, #00 Phillips screwdriver, plastic opening tool, and magnetic project mat to keep track of the screws for each step. Be sure to handle the fan and all wires with care as they are delicate parts.



TOOLS:

- [Phillips #0 Screwdriver](#) (1)
 - [Magnetic Project Mat](#) (1)
 - [iFixit Opening Tools](#) (1)
 - [Phillips #00 Screwdriver](#) (1)
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Step 1 — Fan



- ⚠ Power laptop off before beginning.
- Turn the laptop over so that it is positioned top down with the model number facing you.

Step 2



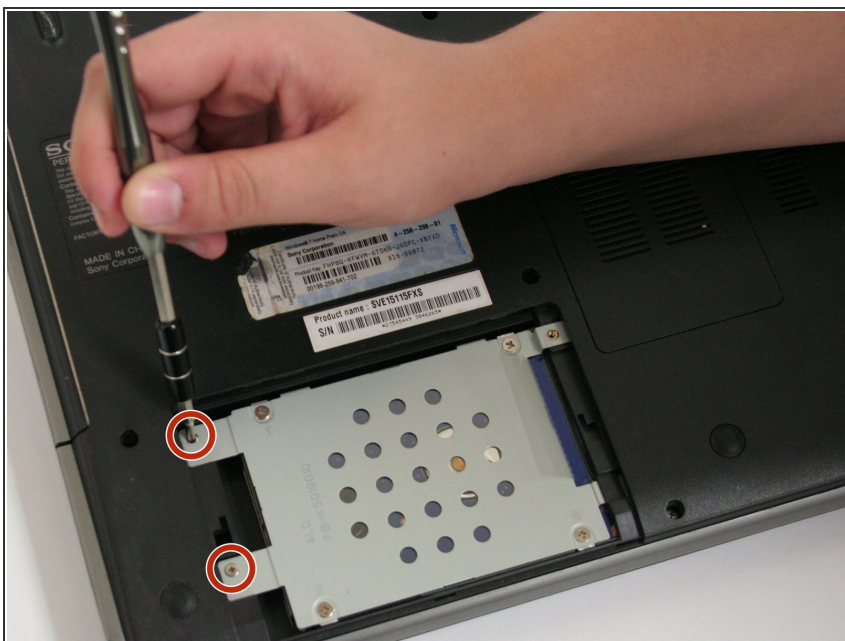
- Use a #0 Phillips screwdriver to remove the two 4.0 mm screws securing the hard drive cover.
- ⓘ To avoid losing any parts, we recommend that you place the loose screws on a magnetic project mat.

Step 3



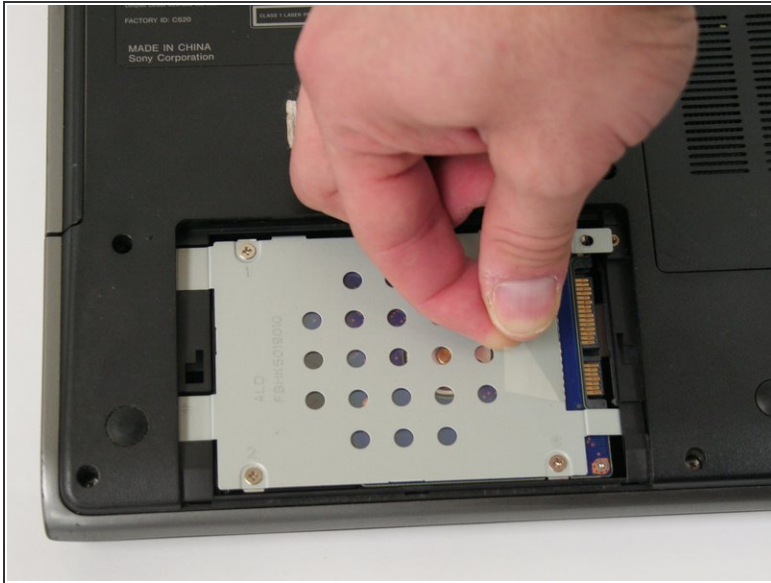
- To expose the hard drive, remove the cover by sliding it toward you and pulling up on the panel.

Step 4



- Use a #0 Phillips screwdriver to remove the two 4.0 mm screws attaching the hard drive to the laptop.

Step 5



- Pull the clear plastic ribbon to the left until the mount is detached from the laptop.
 - ❗ There will be some resistance as the hard drive is disconnected. If it does not move at all, check that all anchor screws are removed.
- Lift the hard drive out of the well.

Step 6



- Use a Phillips #0 screwdriver to remove the one 4.0 mm screw next to the model number label.

Step 7



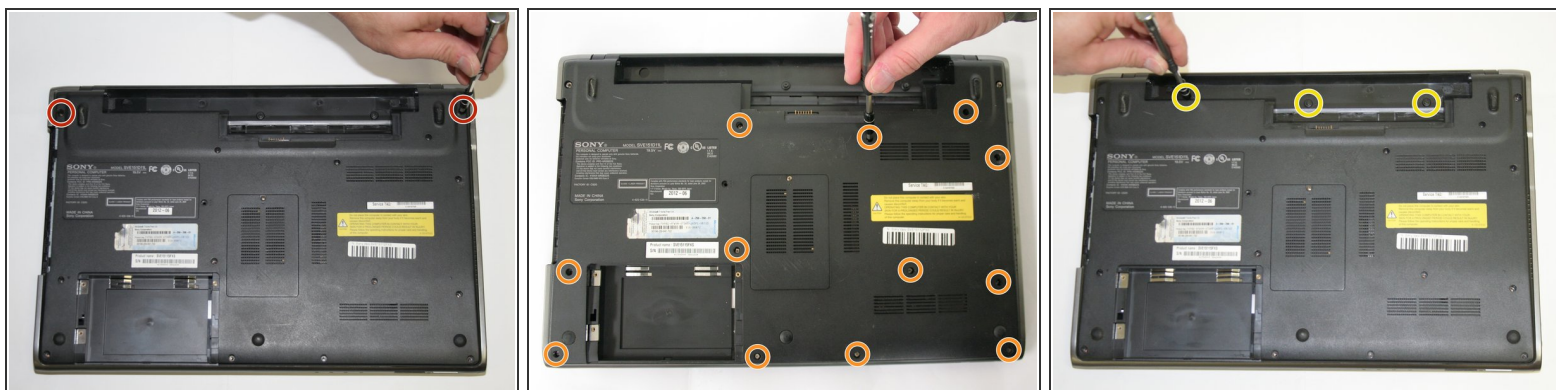
- Use a plastic opening tool to slide the CD-ROM out from the laptop.

Step 8



- Slide the "lock" tab upward to unlock the battery before removal.
- While pushing the "release" tab upward, lift the battery and pull outward to remove it from the laptop.

Step 9



- To unsecure the bottom cover, remove all the cover screws using a #0 Phillips screwdriver.
- Remove the two 9.0 mm screws on each side of the battery.
- Remove the twelve 8.0 mm long screws alongside the entire back cover.
- Remove the three 3.0 mm screws inside the battery well.

Step 10



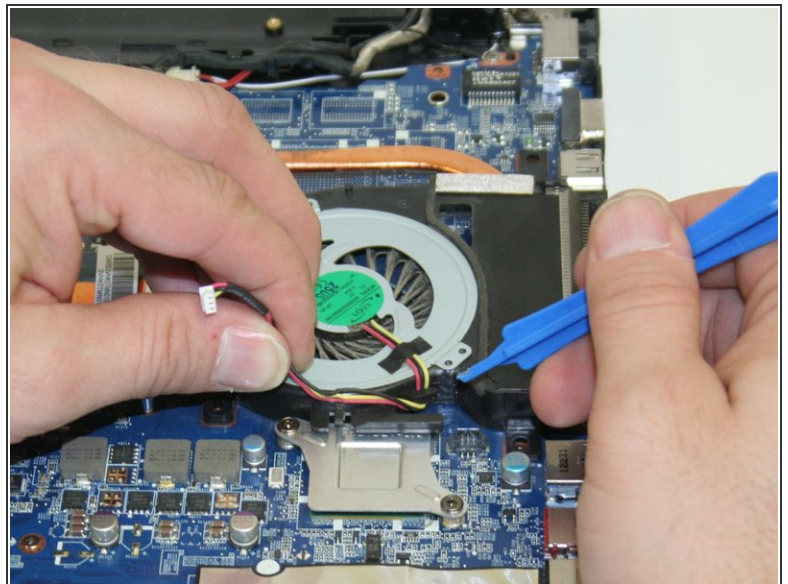
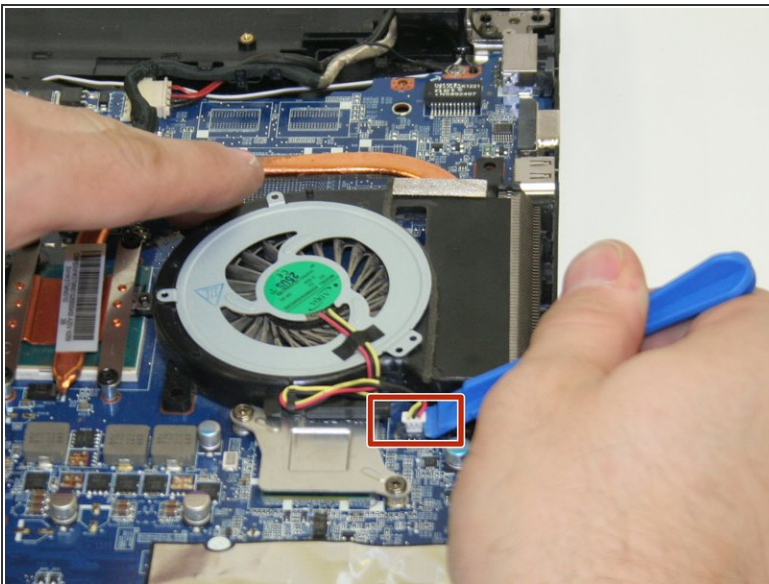
- Use a plastic opening tool to carefully pry open the latch points located under the silver plastic trim. Repeat this around the back cover.
- ⓘ It may be easiest to start around the CD-ROM bay because there is more room.
- ⚠ To avoid damaging the plastic trim and cover, do not force difficult areas and make sure the opening tool is completely under the black plastic cover, not just the silver trim.
- Lift the back cover upward and away from the laptop.

Step 11



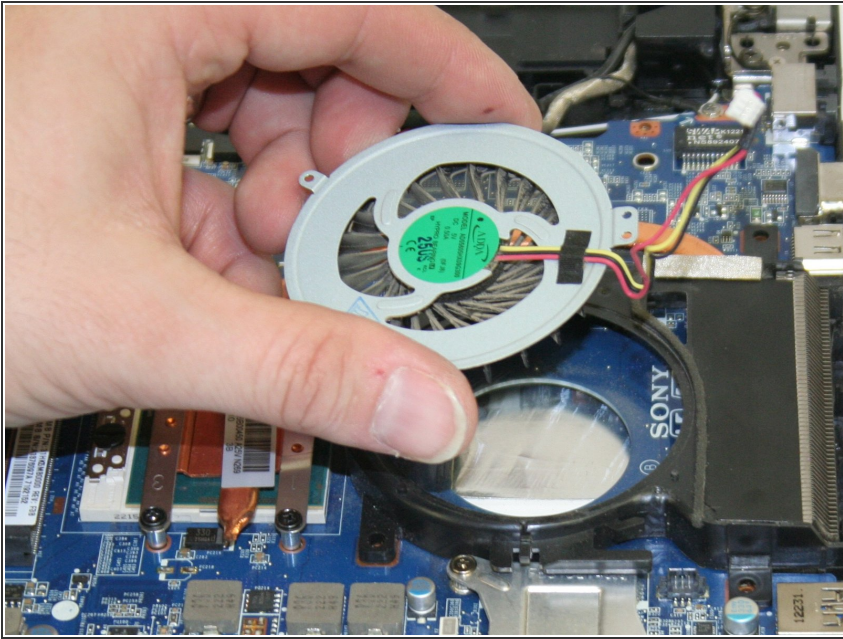
- Use a Phillips #00 screwdriver to remove the three 3.0 mm screws attaching the fan to the heat sink unit.

Step 12



- Use a plastic opening tool to unsecure the white power cable connector.
 - ⚠ Do not pull on the wires as this could rip them from the cable connector.
- Carefully unwrap the red and yellow wires from the hooks.
 - 📌 Take note of how the wires are wrapped around the hooks.

Step 13



- Lift the fan upward to remove it from the heat sink unit.

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