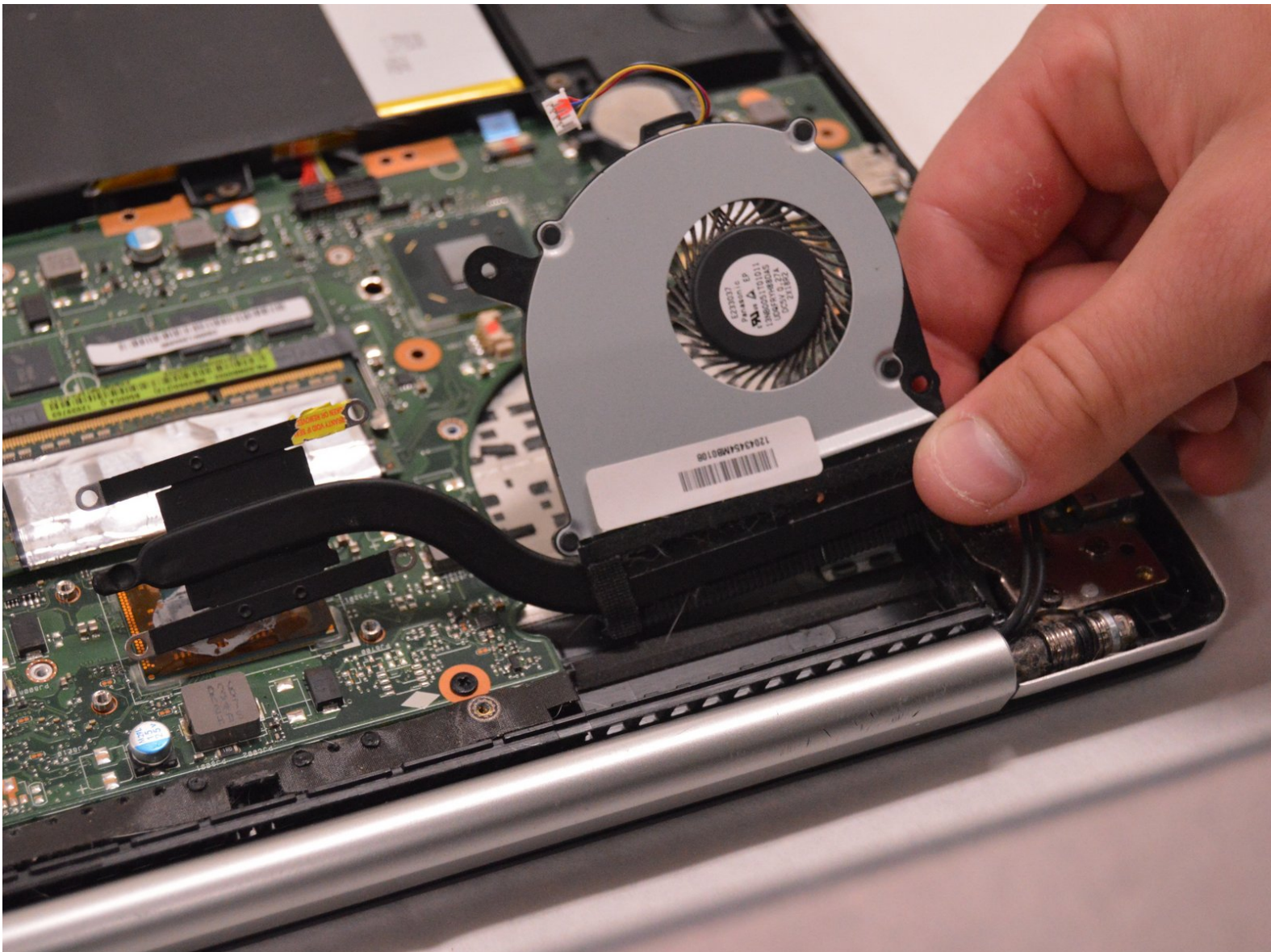# Asus Vivobook S500CA Fan Replacement

This Guide details how to replace the internal fan of the Asus Vivobook S500CA.

Written By: Brad Shipman

INTRODUCTION

If your fan is either broken or not running correctly, use this guide to replace it. This repair can be completed by one person using a PH1 Philips Head Screwdriver. Keep in mind that the Asus Vivobook S500CA uses a specific model fan, which must be acquired before beginning this replacement.
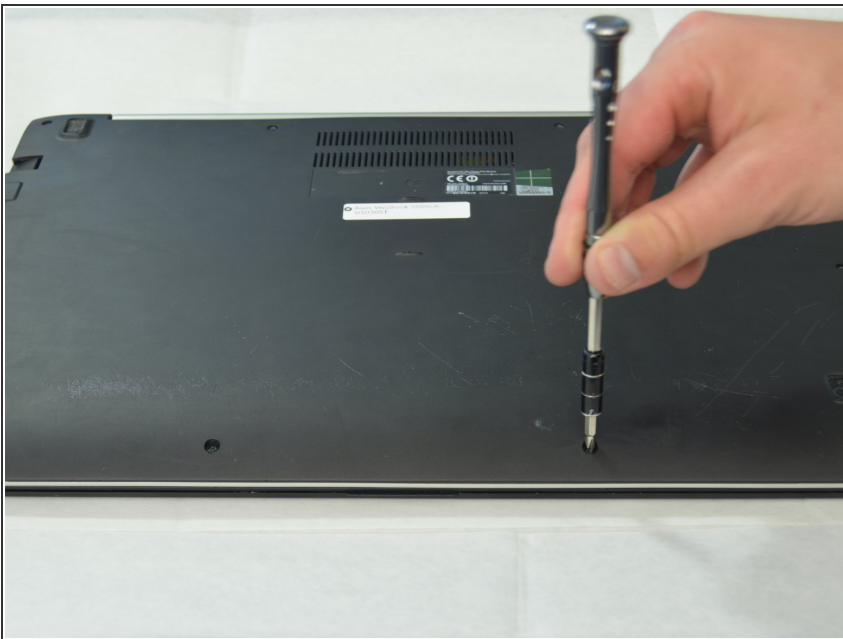
TOOLS:

- Phillips Head Screwdriver: Size PH1 (1)
- Spudger (1)

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Step 1 — Cooling Fan

- Turn the device over so the back plate is facing up.

Step 2

- Use a Phillips Head PH1 screwdriver to remove 10 screws around the perimeter of the back plate.

- ⓘ It may be helpful to lay out the screws in the orientation in which they are taken out, in order to help remember where they go.
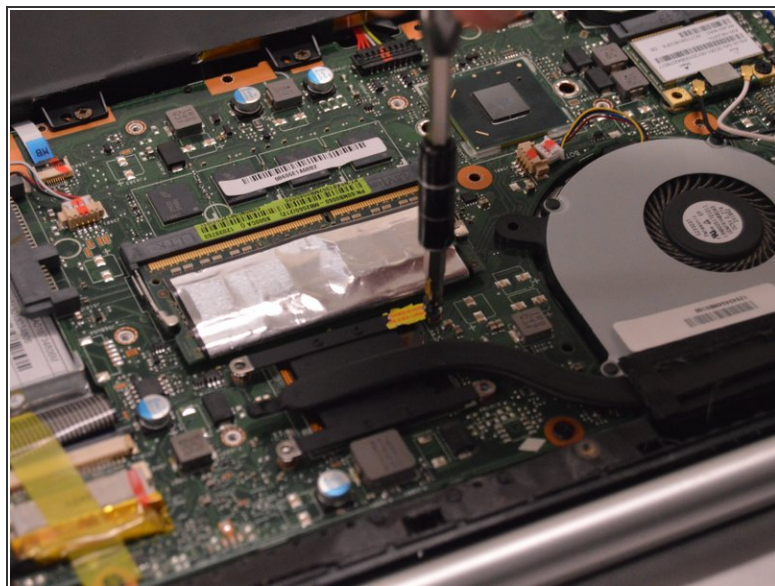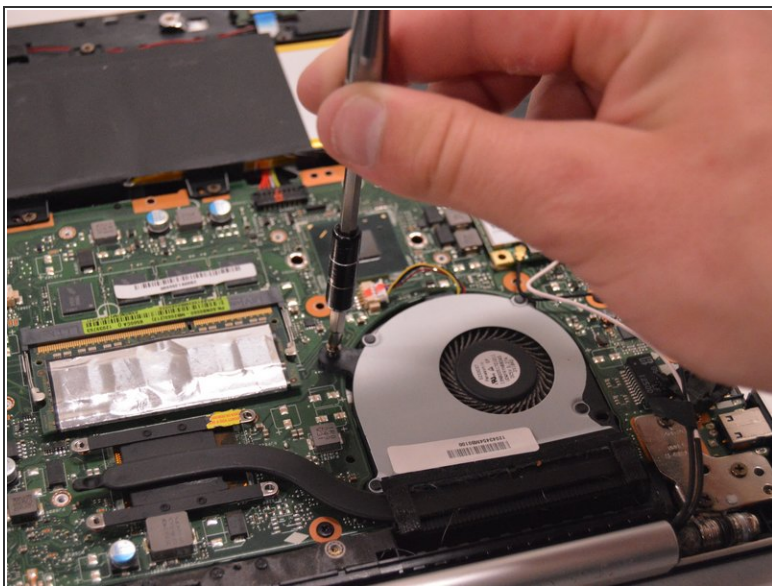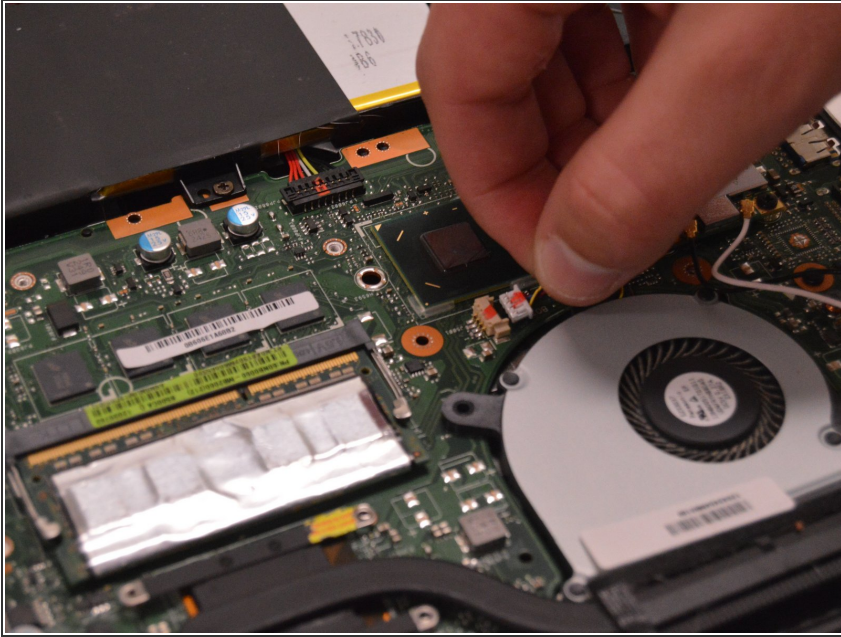
Step 3

- Remove the back plate by lifting it straight up.

Step 4

- Remove 2 (.5 cm) Phillips Head screws found around the fan and 4 (.3 cm) Phillips Head screws found around the heat sink connector.
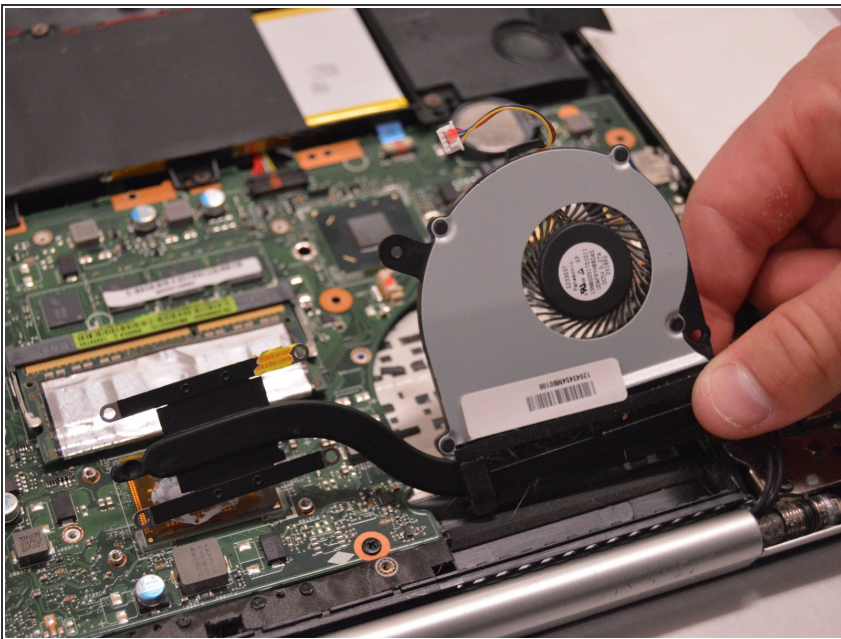
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Step 5

- Unhook the electronic connection located above the fan by pulling the white connector straight out of the brown socket.

- ⚠️ This photo is for demonstration purposes only. Do not remove by pulling the wires. Instead, remove by pulling on the edges of the white socket.
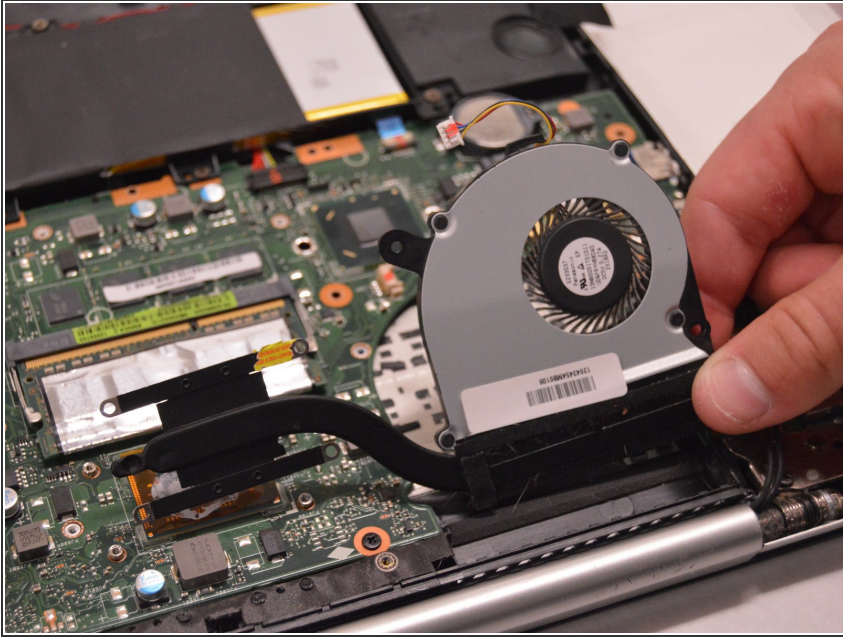
Step 6

- Remove the fan and connected heat sink by lifting straight out of the assembly.

Step 7

- Replace fan and follow steps 1-5 in *reverse* order to complete repair.

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