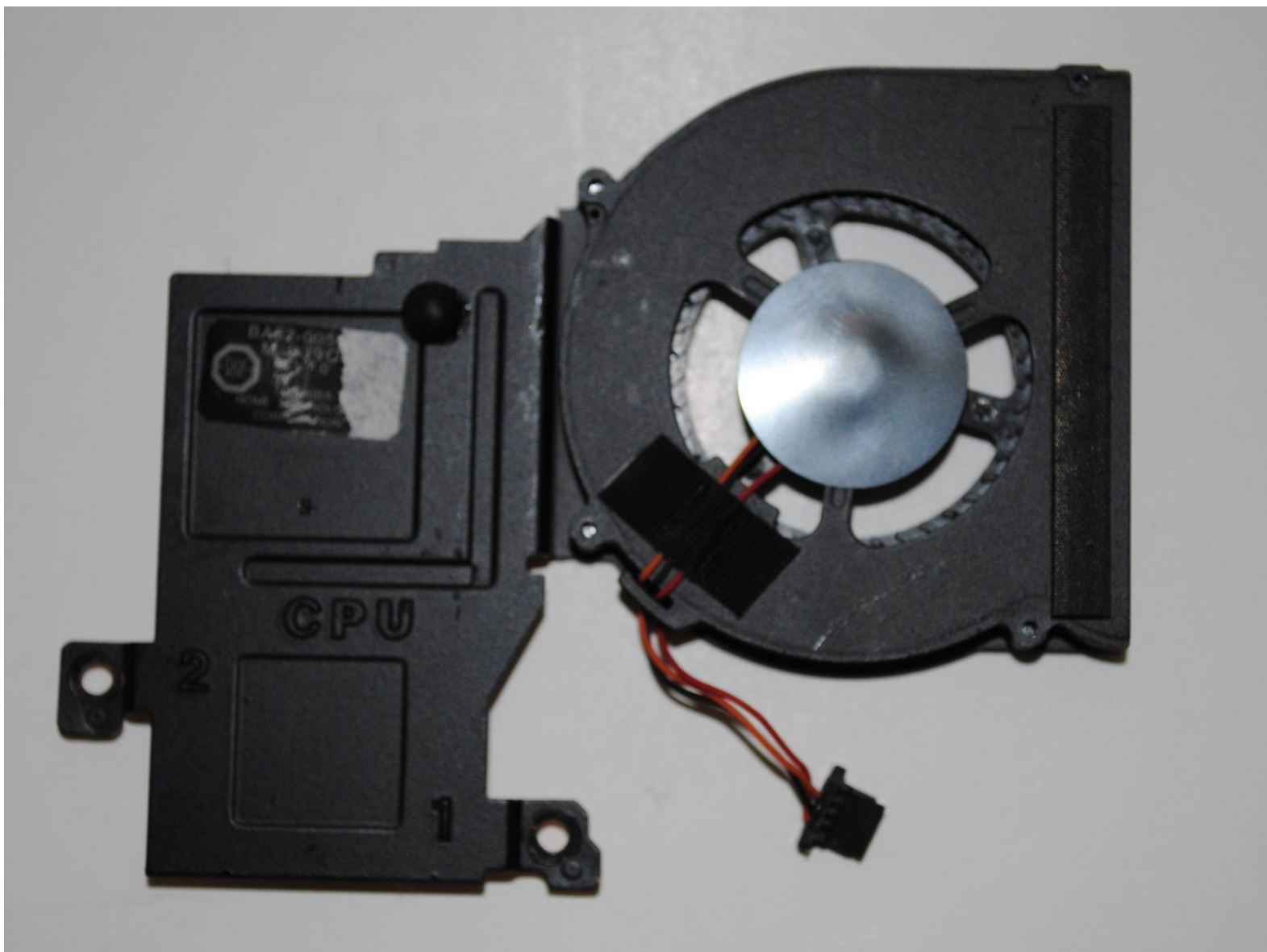# Samsung 500C ChromeBook CPU Fan Replacement

A guide to replacing the fan on the CPU in a Samsung 500C ChromeBook.

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INTRODUCTION

A CPU fan is essential for keeping your Samsung 500C ChromeBook device cool and running properly. If you are experiencing overheating issues or are hearing loud noises, your CPU fan could be the reason.

Before outright replacement, make sure that the fan's blades are clear of dirt and debris; buildup on the blades can dramatically reduce their ability to move air and cool down your laptop. Use a an ESD-safe brush and compressed air to remove any buildup.

If the fan blades are clean, check if the fan is spinning during operation. If not, it's time to check the fan's connection, and if necessary, replace the fan altogether.

Luckily, this replacement is quick and easy, with no special skills necessary and only requiring a screwdriver and spudger. This guide will take you through the process of replacing the CPU fan.

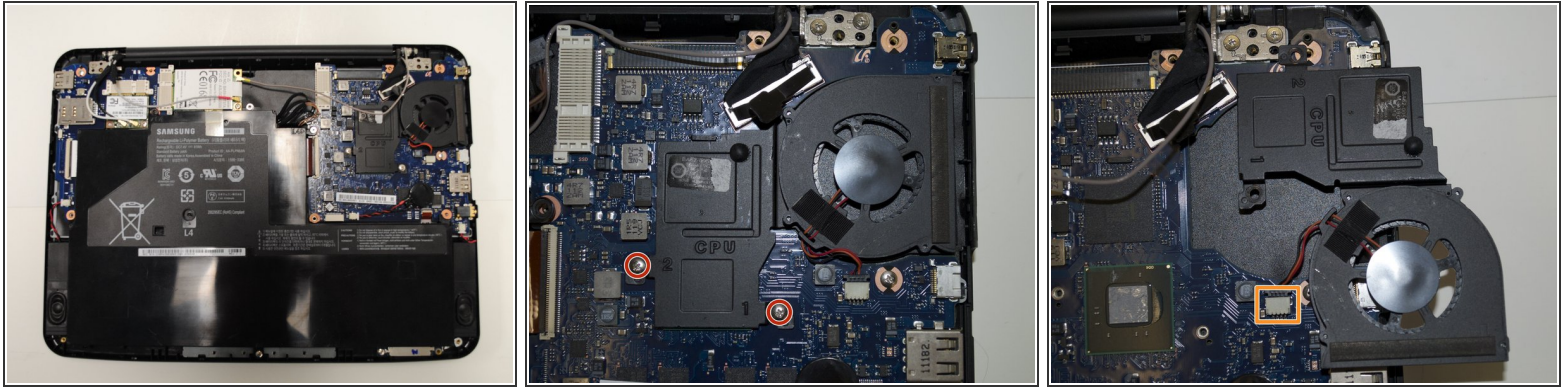Unplug your laptop and discharge your battery before beginning.

🔧 TOOLS:

- Phillips #0 Screwdriver (1)
- Spudger (1)

Step 1 — CPU Fan

- Remove the seven screws from the back panel of the device using a Phillips #0 screwdriver.

- Four of the screws are under the rubber feet so they will need to be removed with a spudger.

- Remove the back panel from the laptop.

Step 2

- Use a Phillips #0 screwdriver to remove the two screws holding in the CPU fan.

- Lift the CPU fan.

- ⓘ You might encounter some slight resistance from the thermal paste on the heatsink.

- Detach the cord attached to the fan and attach it to the new CPU fan.

- 📌 Insert the new fan and reassemble the device.

Enjoy your cool laptop!