



HP Pavilion ZD7000 Fans Replacement

Replacing a noisy or failed fan may help to resolve temperature or stability issues with your laptop.

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INTRODUCTION

This guide will show you how to remove the fans.

TOOLS:

- Phillips #1 Screwdriver (1)

Step 1 — Battery



- Begin by turning the laptop over so that you can see the bottom of the computer.

Step 2



- Slide the battery release switch to the right while simultaneously lifting up the battery.

Step 3 — Fans



- Loosen the eight Phillips screws around the plate to remove it.

Step 4



- Remove the nine Phillips screws from the plate covering the fans.

(i) The three screws around the lower fan also hold the fan onto the metal plate.

Step 5



⚠ Lift the plate and lower fan off the heat sink being careful not to damage the lower fan cable, which is attached to the motherboard.

- Disconnect the lower fan connector from the motherboard.
- Remove the metal plate and lower fan.
- **i** The lower fan will easily separate from the metal plate.

Step 6



- Disconnect the upper fan connector from the motherboard.
- Remove the four spring loaded screws holding the heat sink assembly to the motherboard.
- **i** When reassembling, ensure that all the screws are equally tightened: thread all screws one turn, then add one turn to each screw in the following order: top left, bottom right, bottom left, top right. Repeat this order until the assembly is firmly seated.

Step 7



- Slide the heat sink assembly including the upper fan out by pulling it down and left simultaneously.

⚠ When reinstalling the heat sink, ensure it is thoroughly cleaned and the thermal paste (or pads) are replaced to ensure proper thermal contact with the devices on the logic board.

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