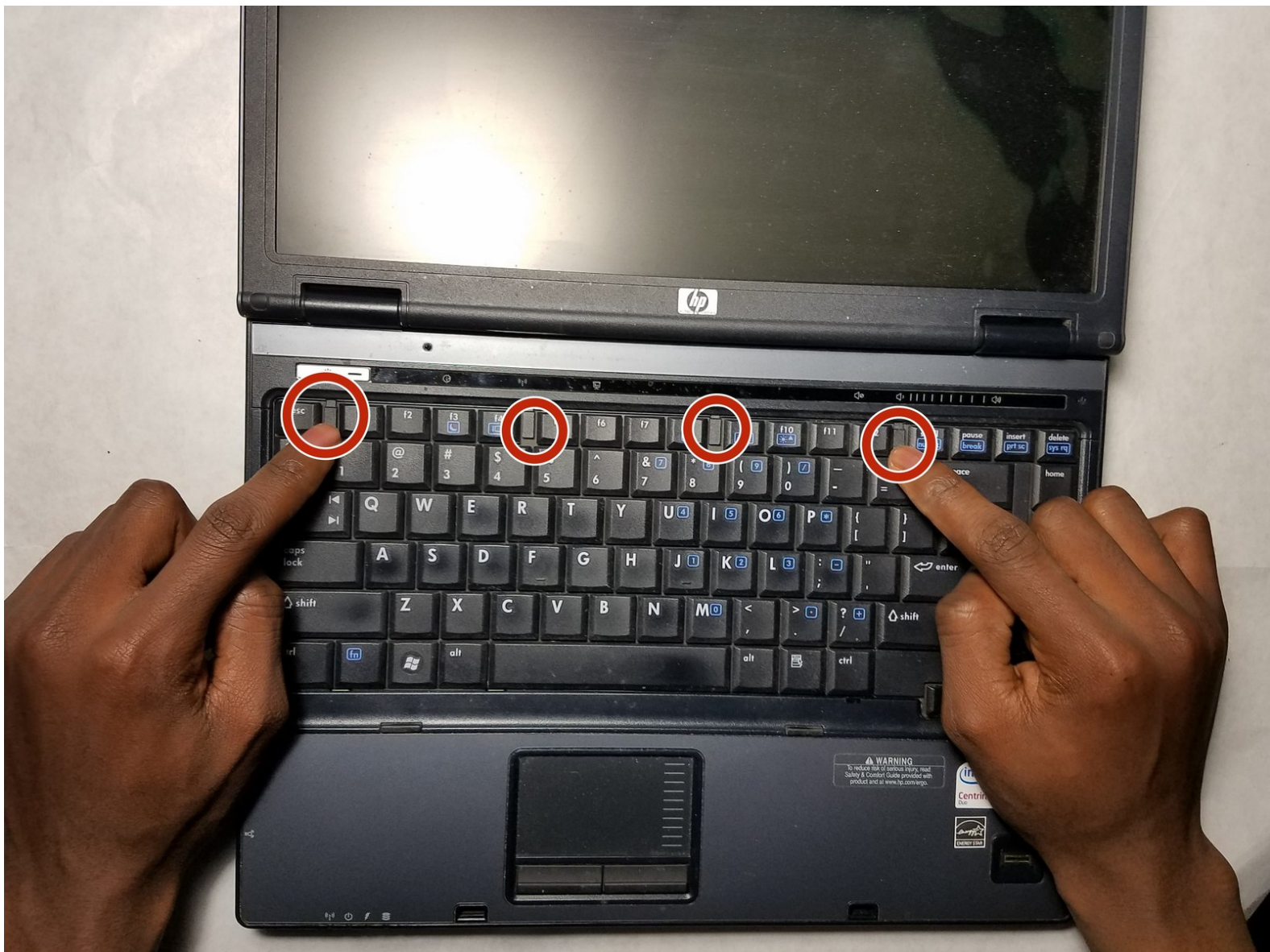




HP Compaq 6510b Fan Replacement

How to replace the HP Compaq 6510b fan.

Written By: Joseph Noudom



INTRODUCTION

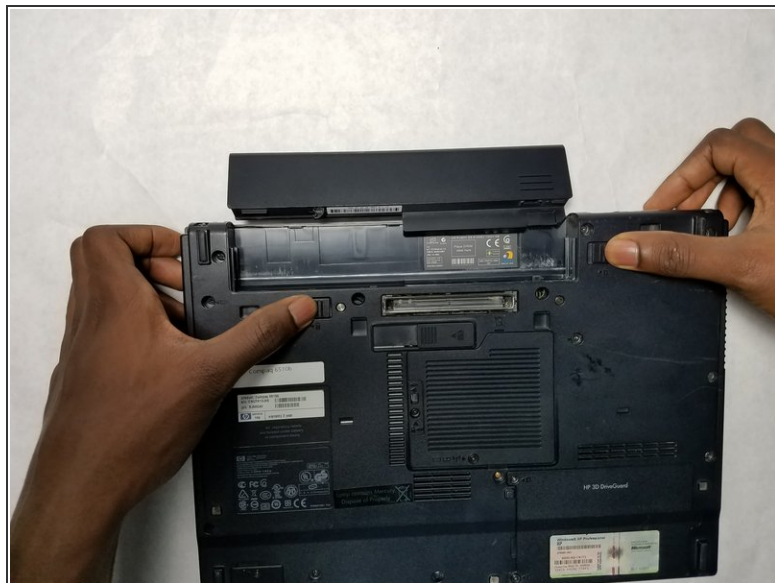
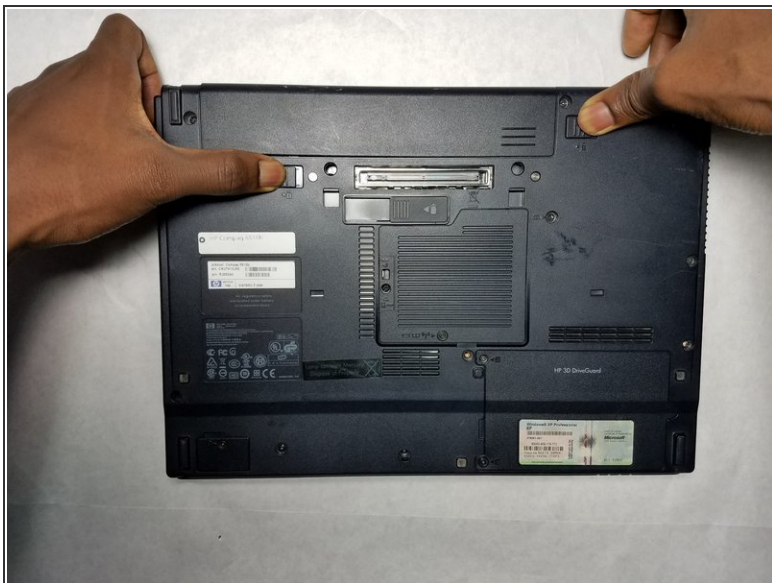
We are going to show you how to replace the dead fan in your device.



TOOLS:

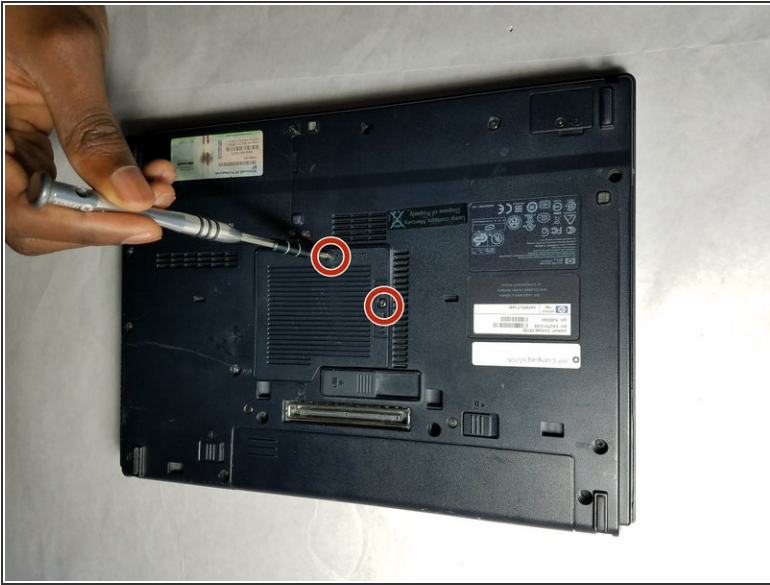
- [JIS #1](#) (1)
 - [iFixit Opening Tools](#) (1)
 - [TR7 Torx Security Screwdriver](#) (1)
 - [Spudger](#) (1)
-

Step 1 — Battery



- Flip the computer over so the backside is facing you.
- Using the two prongs that are located in the back, slide the further left prong and the upper right prong to the left as indicated in the image.
- Slide the battery out.

Step 2 — RAM



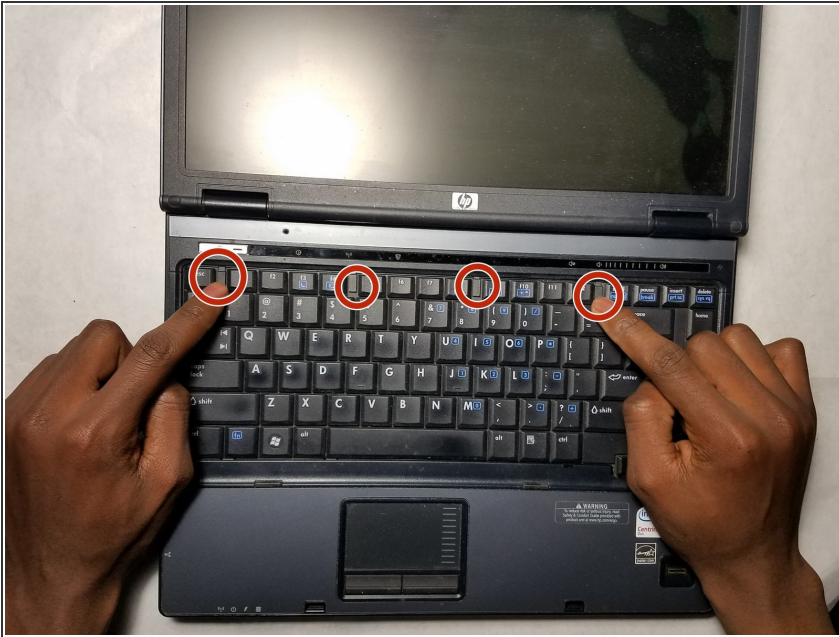
- Flip your device over.
- In the center of the bottom of the laptop, there is a panel with two screws. Using the JIS #1 screw head unscrew both.
- Lift the panel.

Step 3



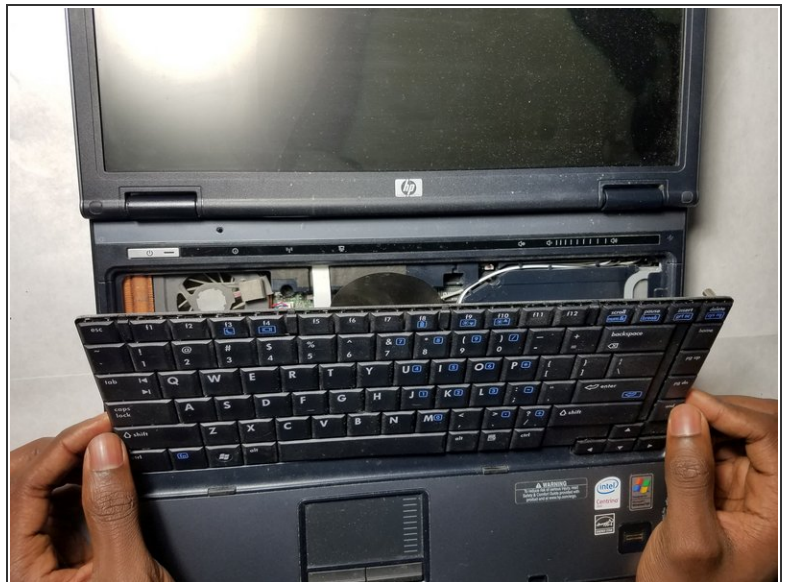
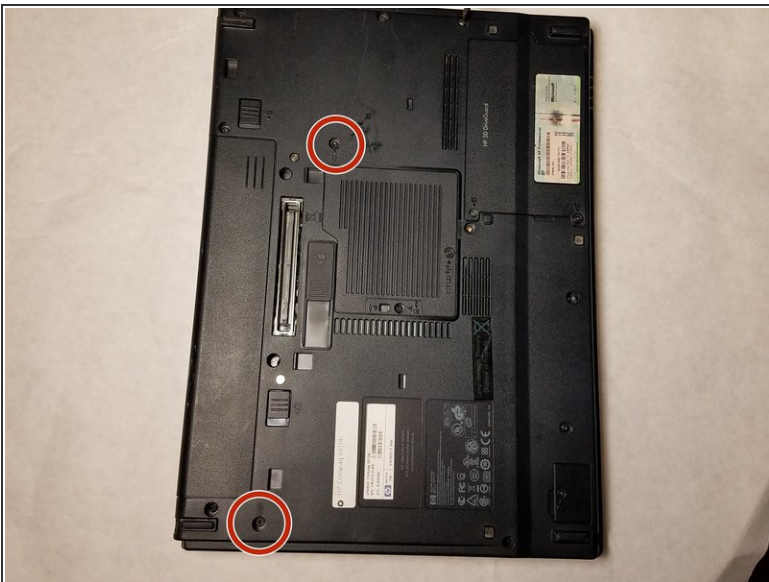
- The RAM is held down by two prongs. Gently pull them until the RAM pops out of place.
- Lift the RAM out of place.

Step 4 — Fan



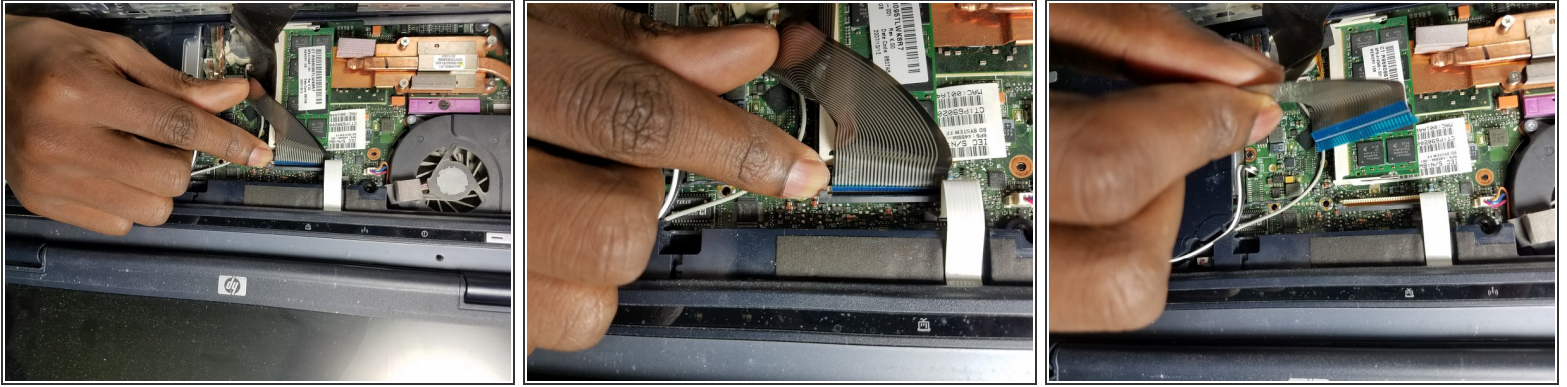
- Look for tabs in between esc and f1, f4 and f5, f8 and f9, f12 and scroll.
- Pull these tabs towards you.

Step 5



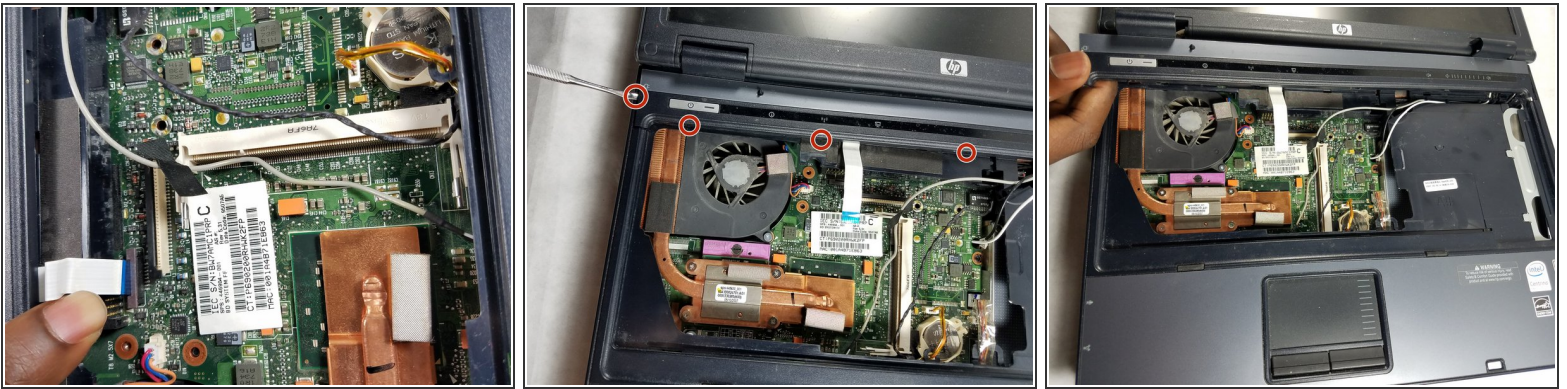
- Flip the laptop over and on the back of the center of the keyboard there is a screw with a rectangle beside it that looks like a keyboard. Remove this Phillips 5mm screw and another similar screw in the back top left of the keyboard.
- Then carefully lift the keyboard out of place with your fingernails or a plastic opening tool.

Step 6



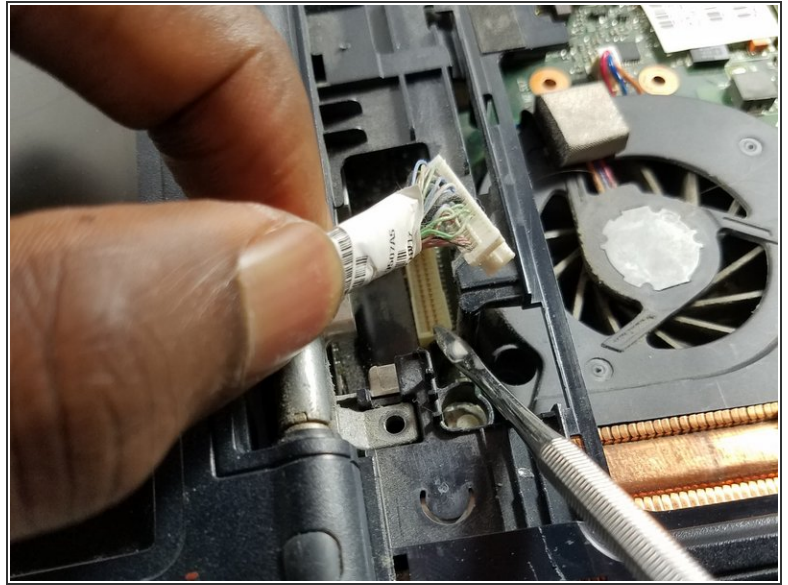
- There will be a metallic film attached to the keyboard from the motherboard. A black latch runs along the film keeping it in place. Lift the latch and detach the film; remove it to fully remove the keyboard.

Step 7



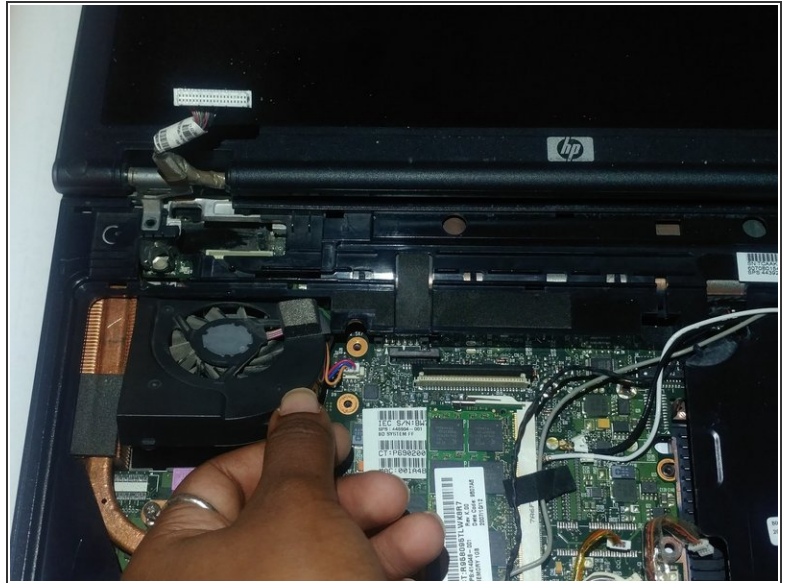
- Carefully undo the white film the same way you took out the metallic film
- Once this film is removed the bar with the power button and media tools above the keyboard will pop out of place using a spudger.

Step 8



- Underneath, a metal clamp will be revealed with two Torx Security T7 17mm screws. Unscrew these.
- Carefully lift the cable out of place that is to the right of it.

Step 9



- Unscrew these two JIS #1 5mm screws on the fan.
- Carefully unplug the fans' wires.
- Remove the fan and put in new one.

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