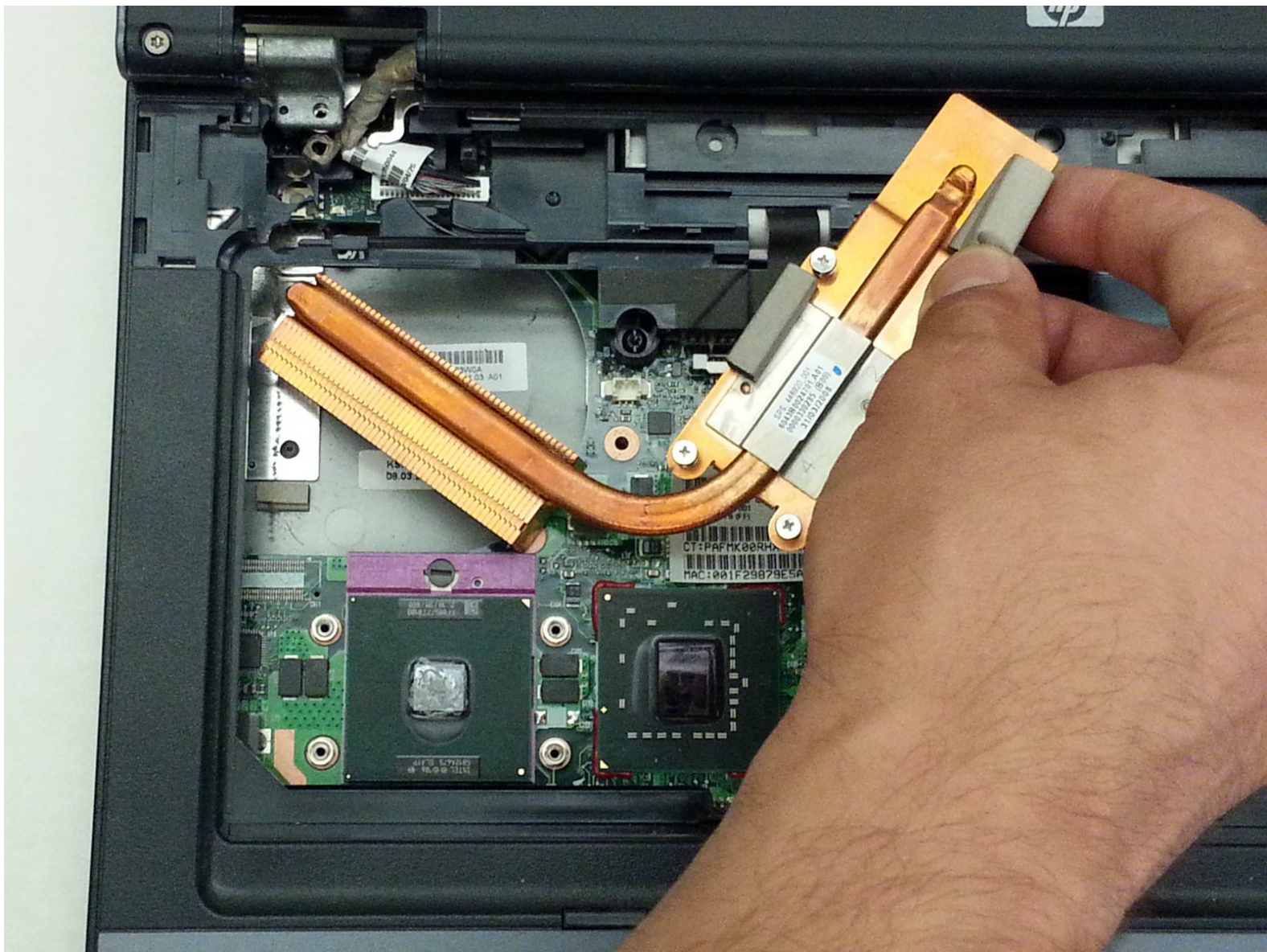




HP Compaq 6710b Heat Sink Replacement

Replace the heat sink and/or the heat sink paste to get your computer to remain at a more comfortable temperature.

Written By: Khulan Orgil



INTRODUCTION

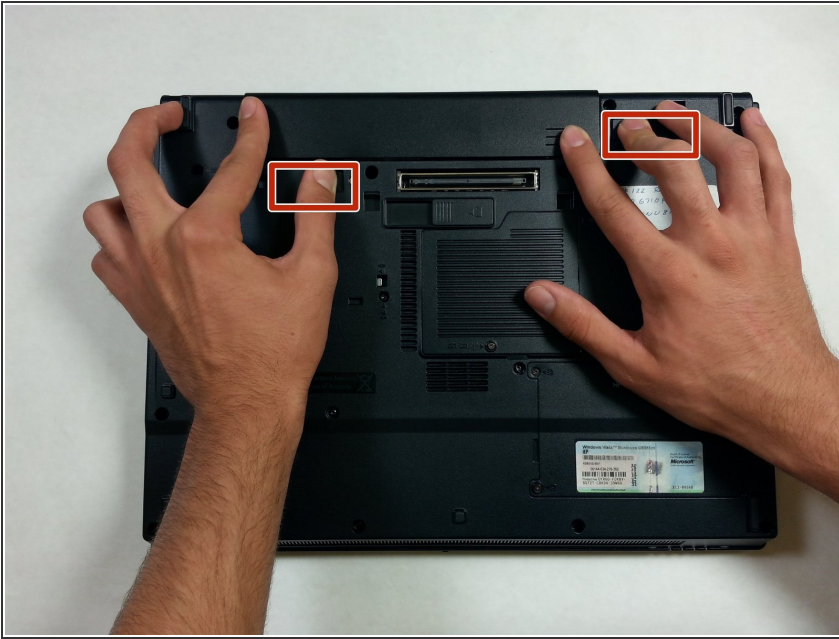
You will need to take out the keyboard as a part of replacing the heat sink. Know the steps to Keyboard Replacement before starting on this.




TOOLS:

- [Phillips #1 Screwdriver](#) (1)
 - [iFixit Opening Tools](#) (1)
 - [Flathead Screwdriver](#) (1)
-

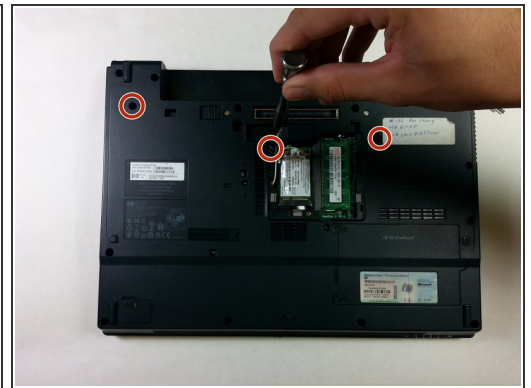
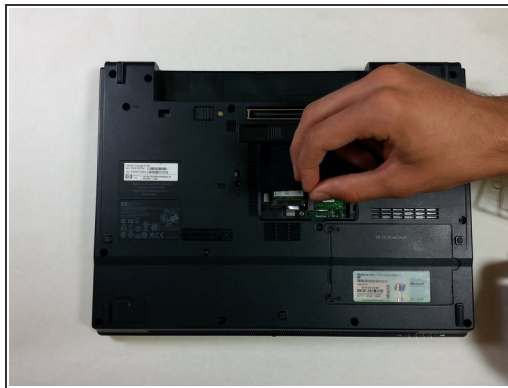
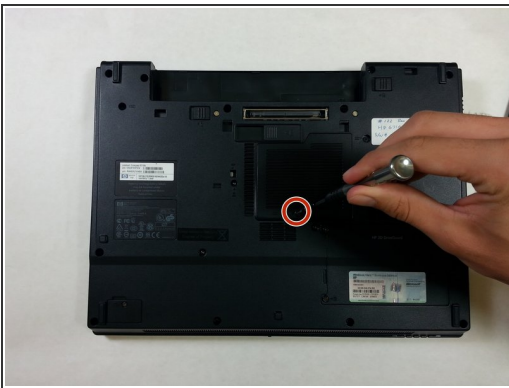
Step 1 — Battery




 Turn off your computer! Taking out the battery while it's still on is dangerous!

- Flip the laptop over to the back.
- Using two hands, push on the tabs while gently taking out the battery.

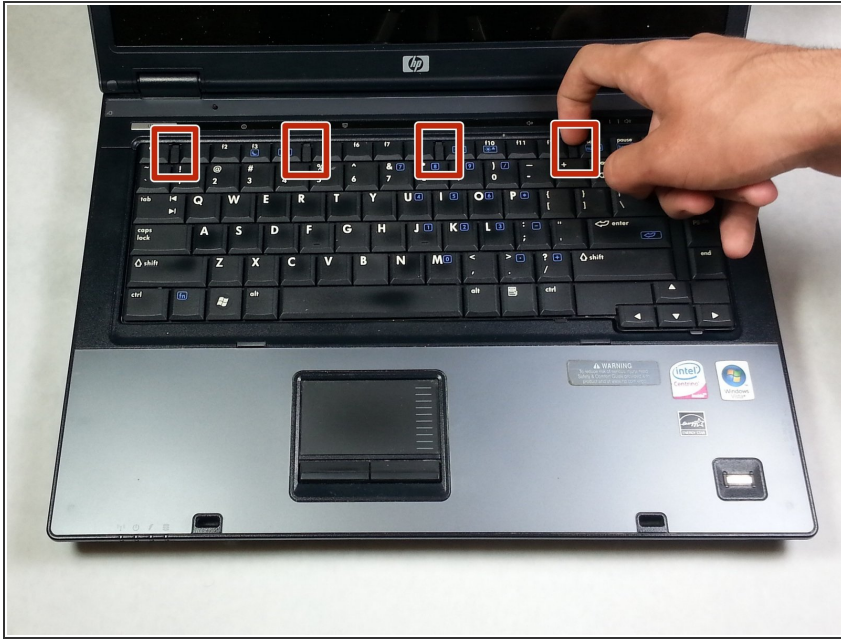
Step 2 — Keyboard



 Turn off computer before starting.

- Flip to the backside of the laptop.
- Using a Phillips #1 screwdriver, unscrew the 5mm screw and take off the shown cover.
- Using the same screwdriver, unscrew the 8mm screws.
- ⓘ The screws may not completely fall out of the laptop, just ensure they are unscrewed as far as they will go.

Step 3



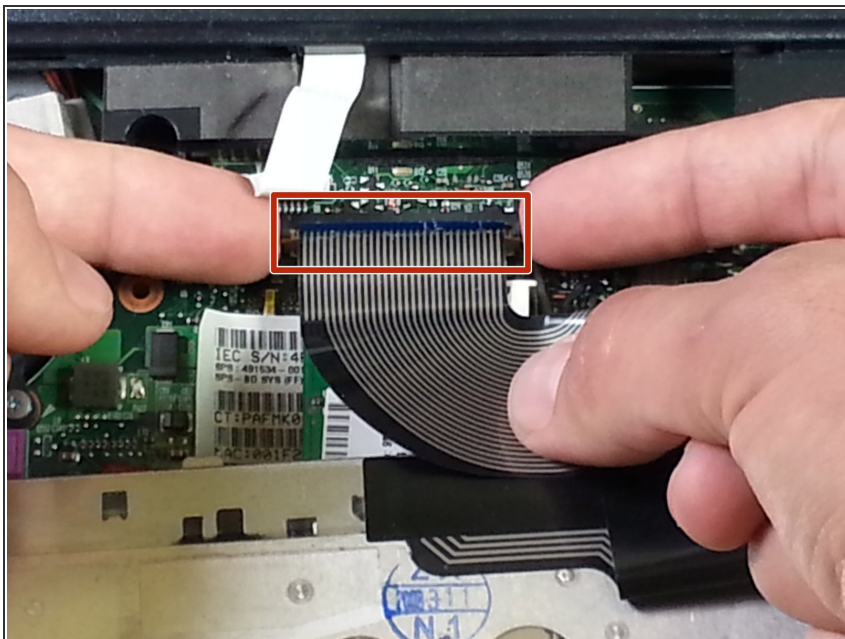
- Flip over the laptop to the top side, and open the laptop.
- Slide the locking tabs down using a blue plastic opening tool or your fingernail.

Step 4



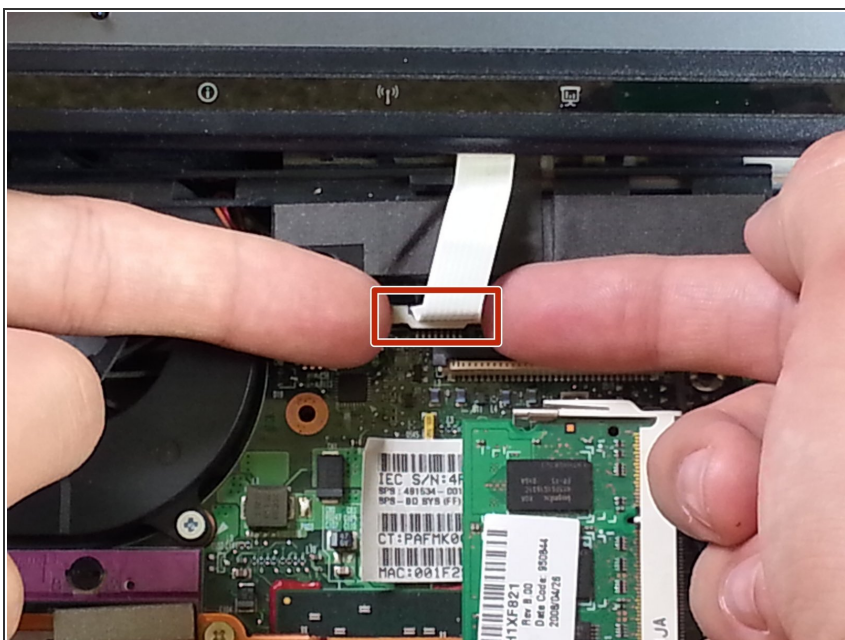
- Using the plastic prying tool, lift the keyboard gently towards you.
⚠ Don't take the keyboard completely off because it is still attached with a ribbon cable to the computer.

Step 5



- Pull up on both sides of the black locking tab of the connector.
- The keyboard should now be free of the computer.

Step 6 — Power Button Panel



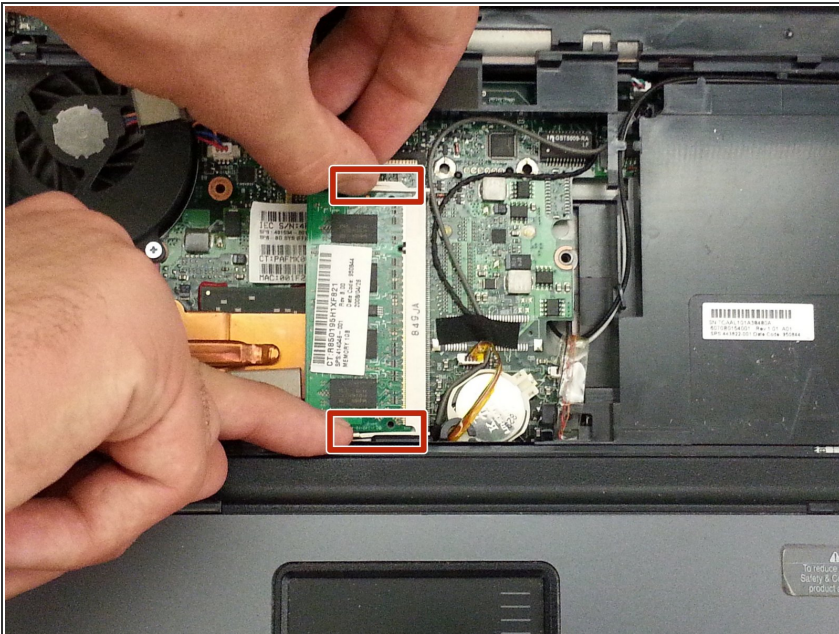
- Put a finger under each side of the plastic lock on the ribbon cable and pull up.

Step 7



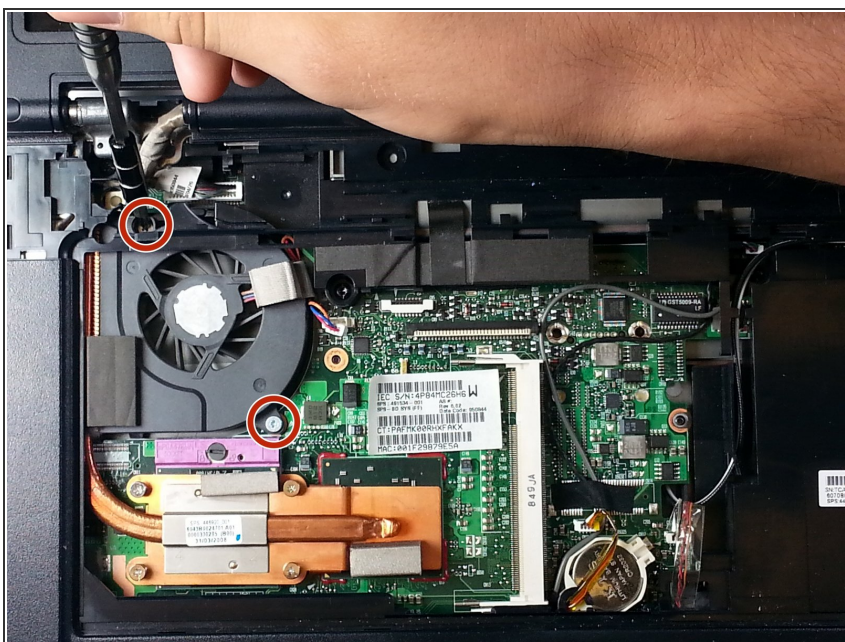
- Using a flathead screwdriver, get under each plastic hinge cover until they pop.
- Lift the right edge of plastic strip covering the power button and gently pull it up until the whole strip comes free.

Step 8 — Heat Sink



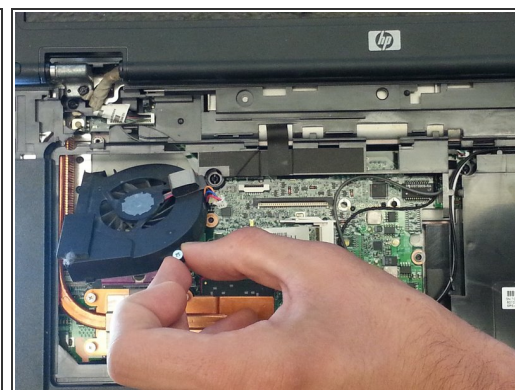
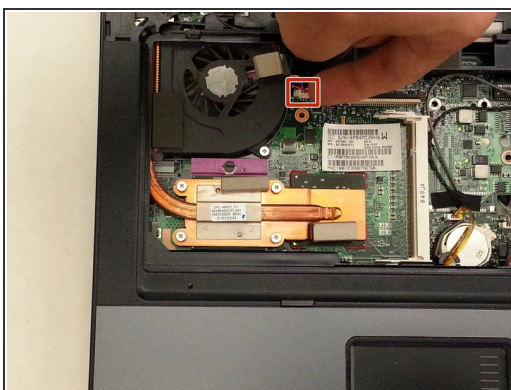
- Using two fingers, open the prongs holding the RAM
- Then slide the RAM out from the socket

Step 9



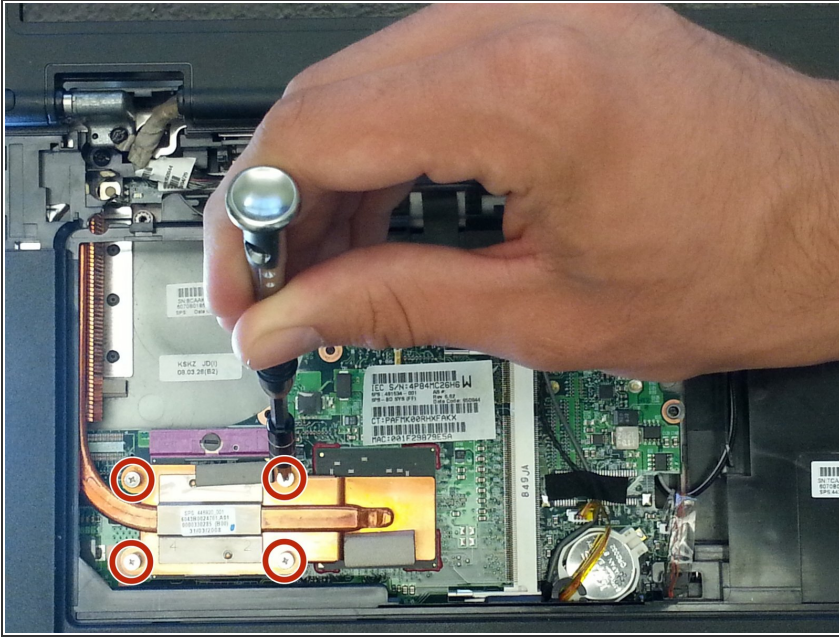
- Using a Phillips #1 screwdriver, unscrew the two 7mm screws on the top and bottom of the fan.

Step 10



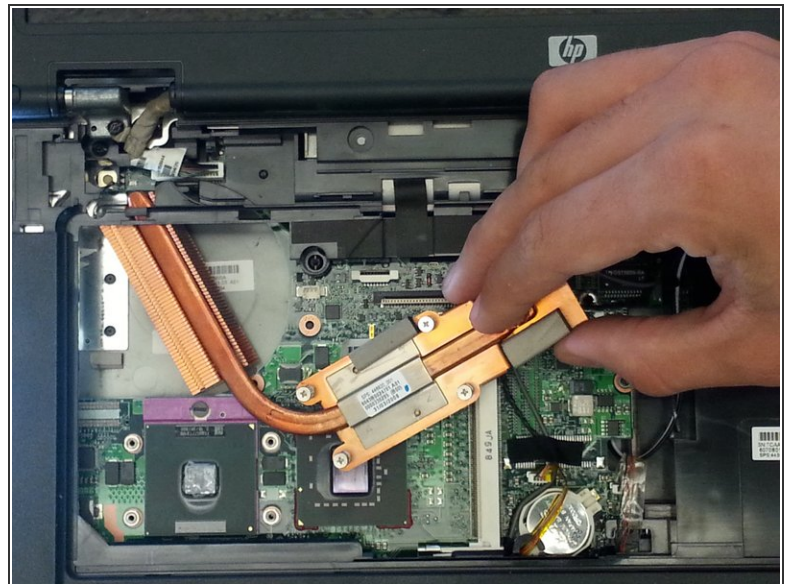
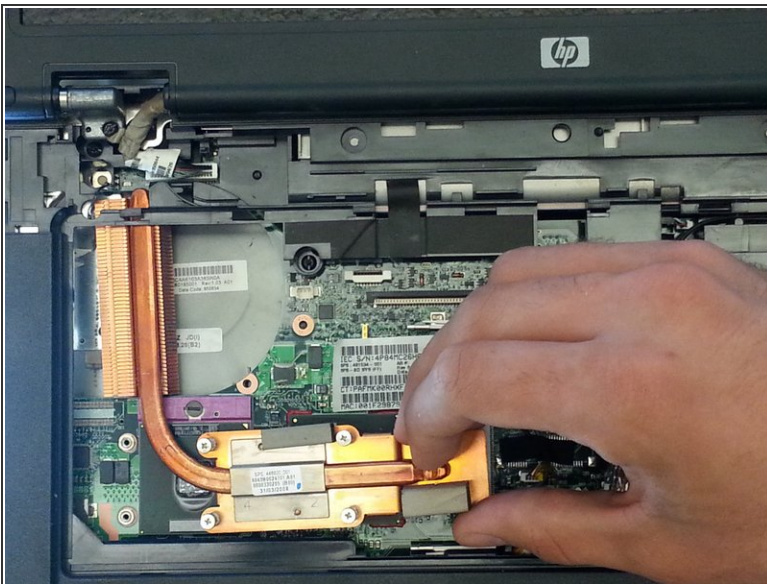
- Using two fingers, pull out the fan power connector.
- To take out the fan, lift the bottom of the fan and take it out at an angle.

Step 11



- Using the Phillips #1 screwdriver, unscrew the four screws on the copper plate.
- ⓘ The screws on the copper plate do not come all the way out.

Step 12



- Rotate the copper plate heat sink to slide it out.
- ⚠ Do not force the heat sink because it's easy to damage.

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

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