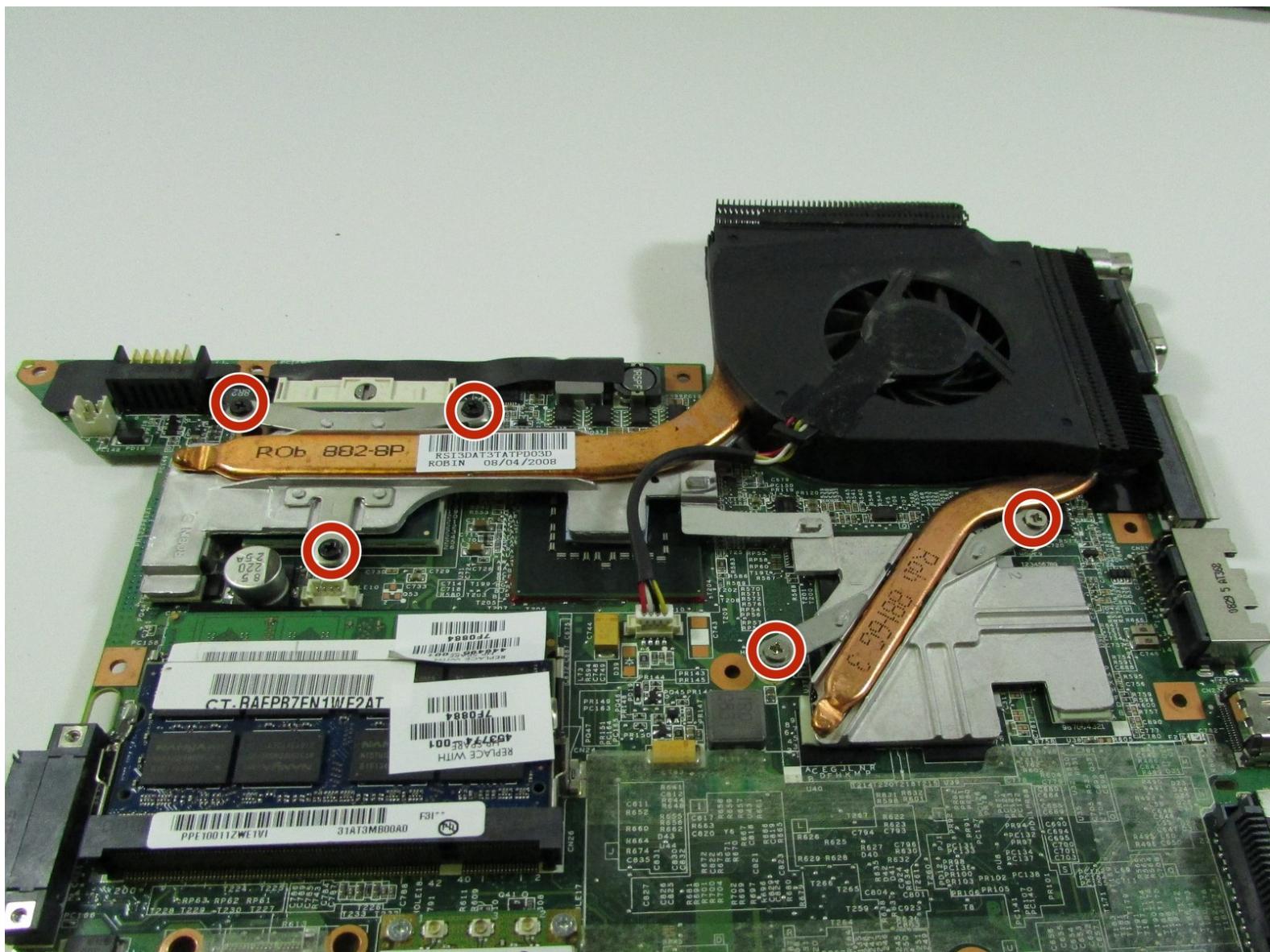




HP Pavilion dv6700 Heat Sink Replacement

This will show you how to replace the heat sink for the HP Pavilion dv6700.

Written By: Alec Gramm



INTRODUCTION

Be sure to have the anti-static guard strap on, as you will be coming into contact with circuitry and could permanently damage the circuits with static electricity.

TOOLS:

- Anti-Static Wrist Strap (1)
- Hex (5) Screwdriver (1)
- Needle-nose Pliers (1)
- Phillips #00 Screwdriver (1)
- iFixit Opening Tools (1)

Step 1 — Battery



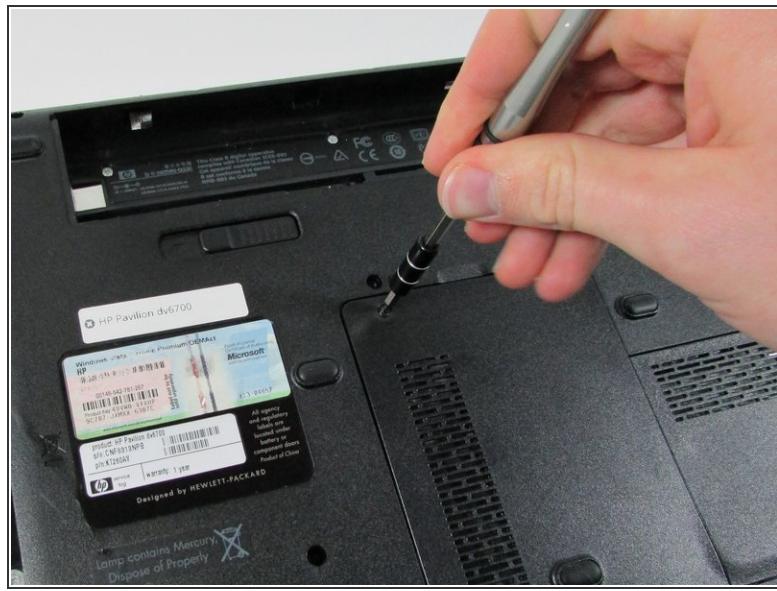
- Locate battery on the bottom of the laptop.

Step 2



- Slide tab all the way over to the left until battery pops out. Lift out and remove battery.

Step 3 — Display/Monitor



- Remove the RAM port cover.
- *i* Screws will not fully remove. Loosen them until they turn freely.

Step 4



- Remove Hard Disk Drive (HDD) cover.
- *i* Screws will not fully remove. Loosen them until they turn freely.

Step 5



- Remove screws from the bottom.

Step 6



- Detach WiFi antenna wires.
- Be sure that the wires are labeled so you remember which ones go where.

Step 7



- Remove two screws.
- Use a needle-nose pliers to do the initial loosening, then switch to using a hex screwdriver (size 5) head to do the rest of the loosening.

Step 8



- Flip over HP Pavilion dv6700.
- Open up HP Pavilion dv6700.

Step 9



- Use plastic opening tool to pry open the plastic bar above the keyboard.

⚠ Be careful not to yank so hard that you rip out the ribbon cables underneath. There is enough room to pull safely, but use control to prevent damage.

Step 10

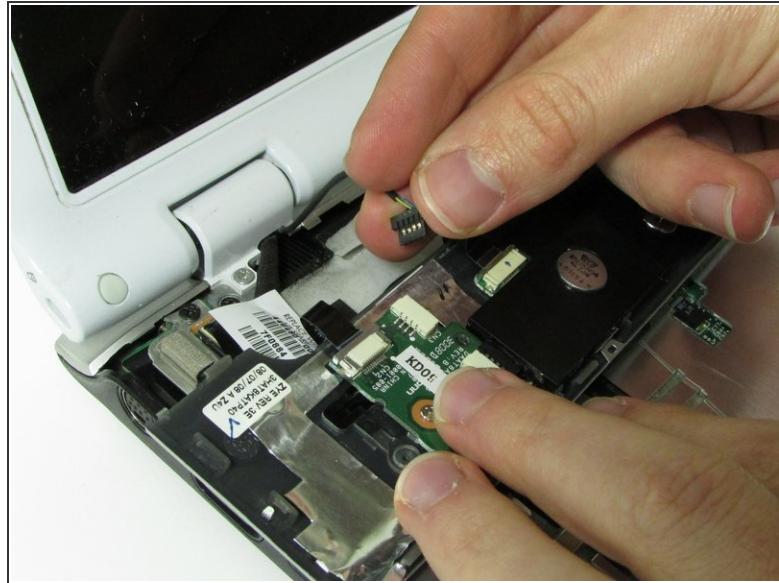
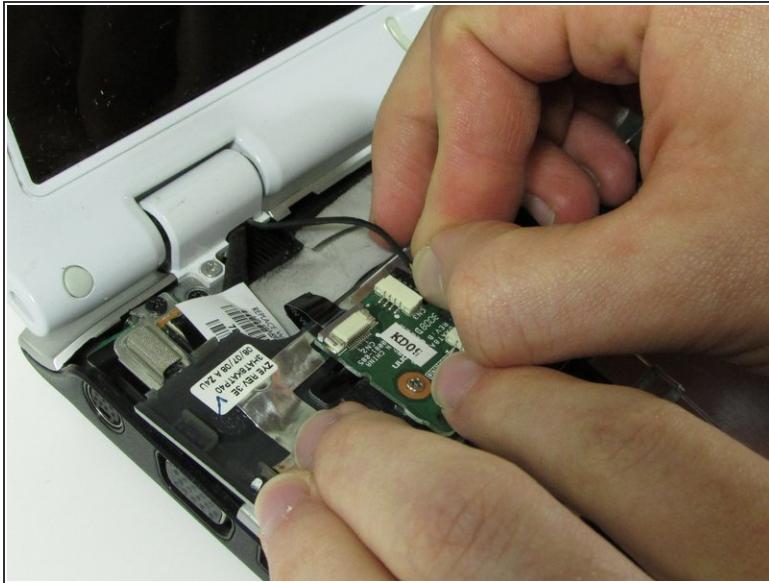


- Pull out and up on keyboard to remove it.

⚠ Do not yank it all of the way out, as there is a ribbon cable underneath.

- Slide the two black locks on the side of the keyboard cable connection port up to release the cable.
- Grip the ribbon cable near the connection point and gently but firmly pull it out.

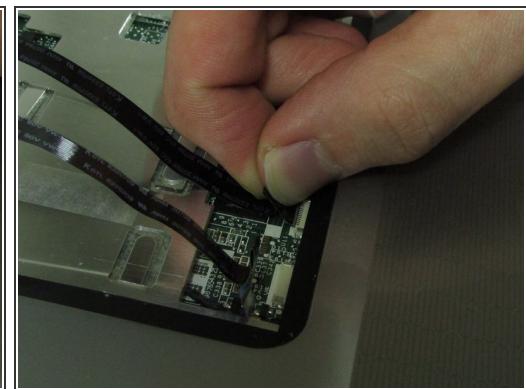
Step 11



- Flip over the plastic bar.
- Detach the display connector.

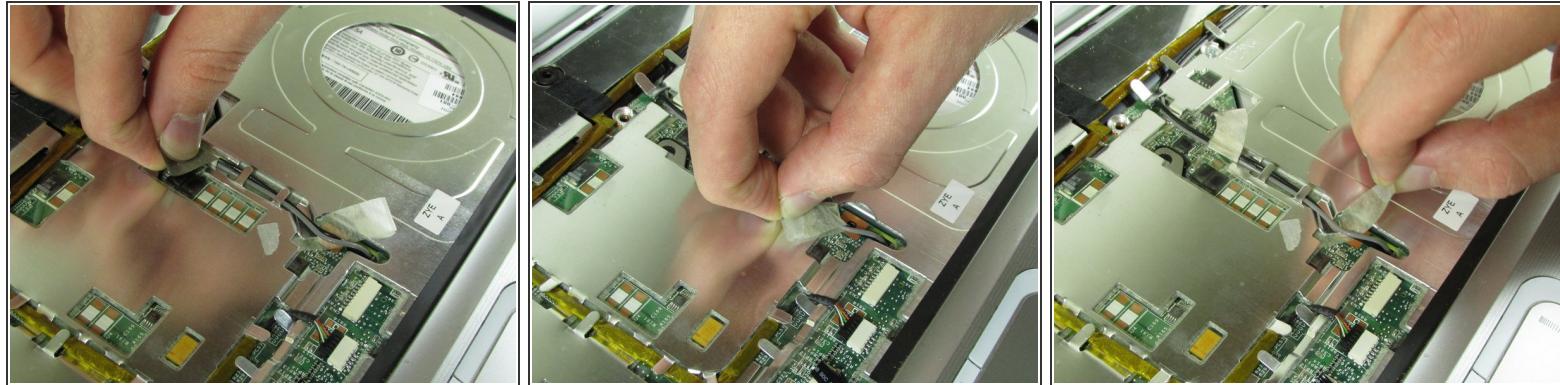
! Do not pull on the wires. Pull on the black plastic part or wedge a plastic opener or fingernail between the port and the connector.

Step 12



- Detach the ribbon cables.
- Pull from the area closest to the connection port gently but firmly.

Step 13



- Pull up on tape holding down wires.

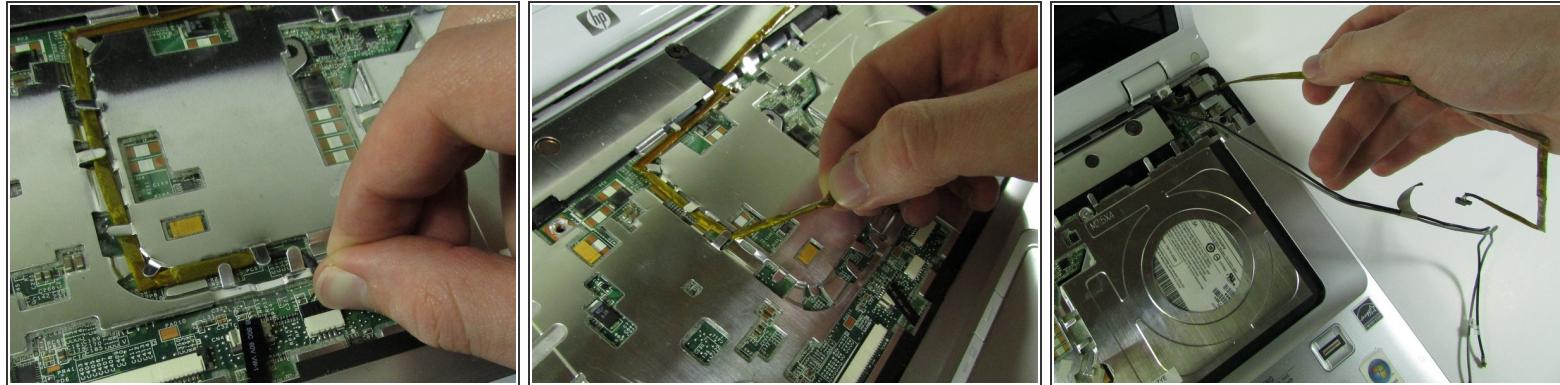
Step 14



- Pull up on the WiFi wires and out from under the metal tabs.

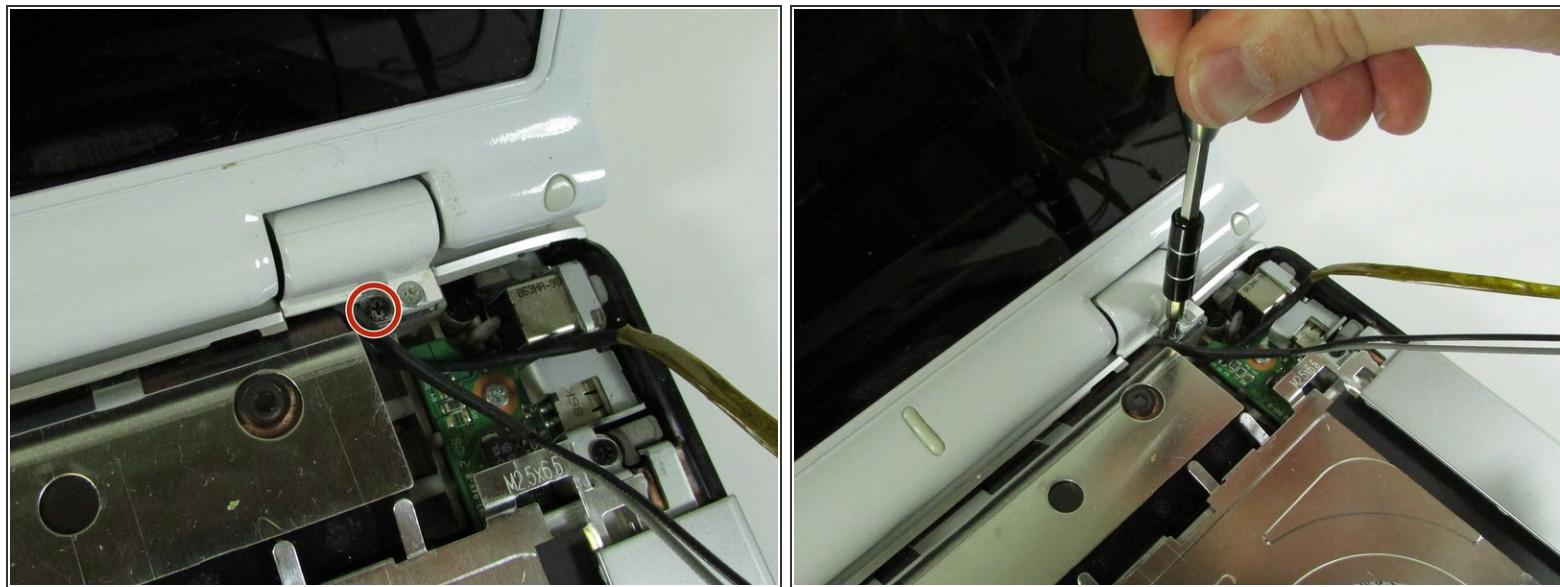
⚠ Do not yank them out. Let them hang loose once they are out from under the tabs.

Step 15



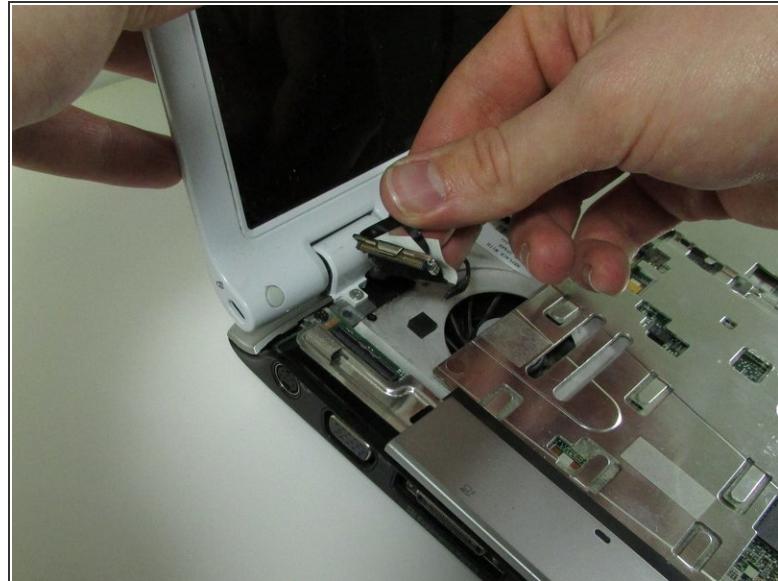
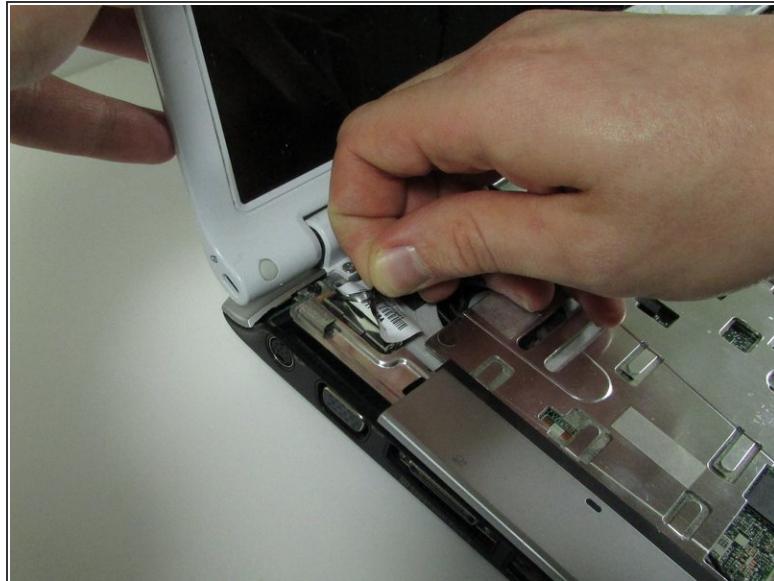
- Disconnect the connector from the port.
- Remove the wire from under the metal tabs.
- Let wire hang loose after removing under the tabs.

Step 16



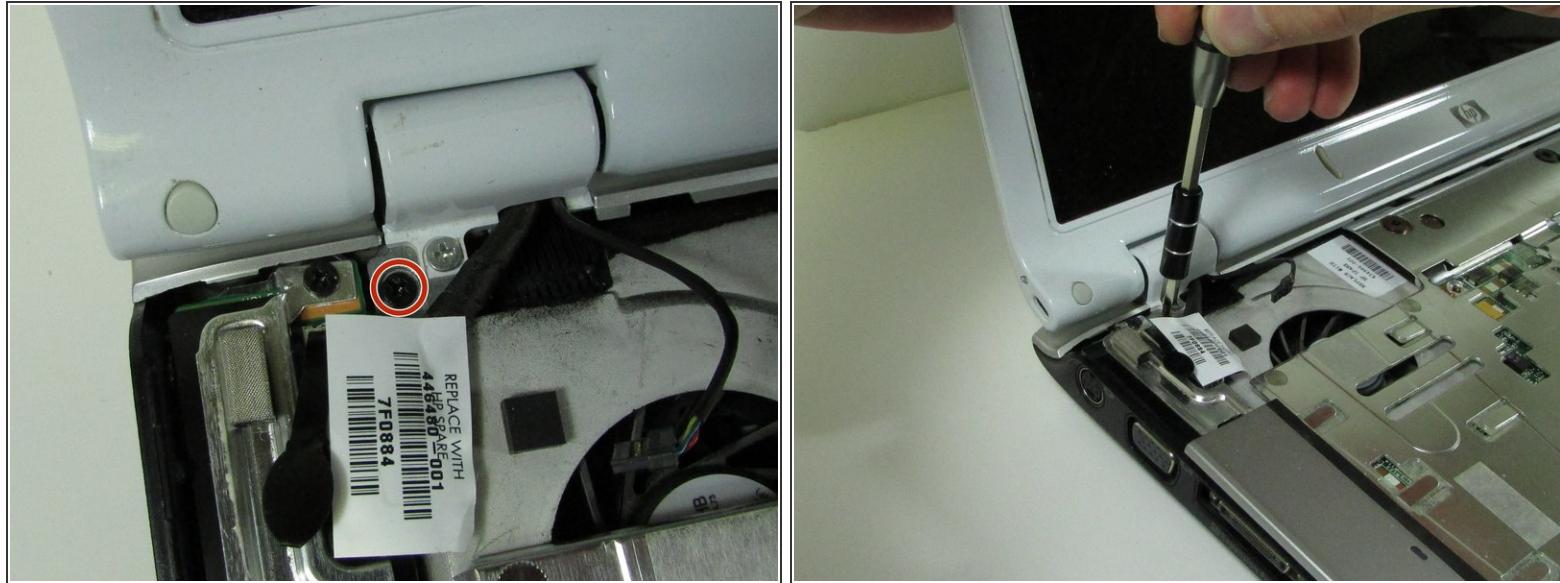
- Remove the black screw in the top right corner.

Step 17



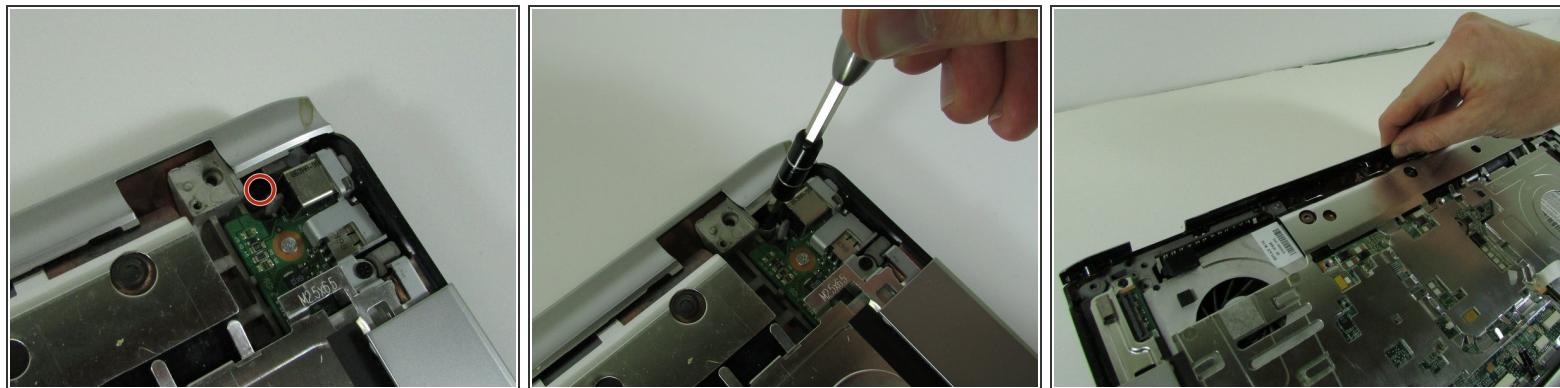
- Pull upward on the screen connector tab.
- It will be firmly secured, so don't be afraid to use a little extra force to pull it off.

Step 18



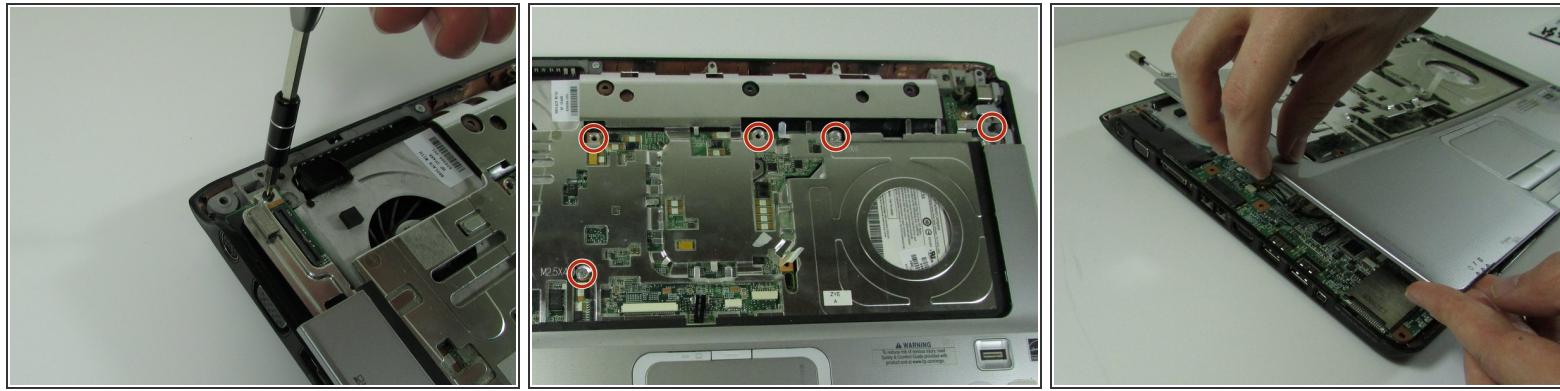
- Remove the black screw from the top left corner.
- ⚠ Keep your hand on the screen to secure it, as once you remove this screw, it will come loose.
- Lift the screen off and set it aside.

Step 19 — Motherboard



- Unscrew the black screw in the top right corner.
- Pull up on the top piece and remove it.

Step 20

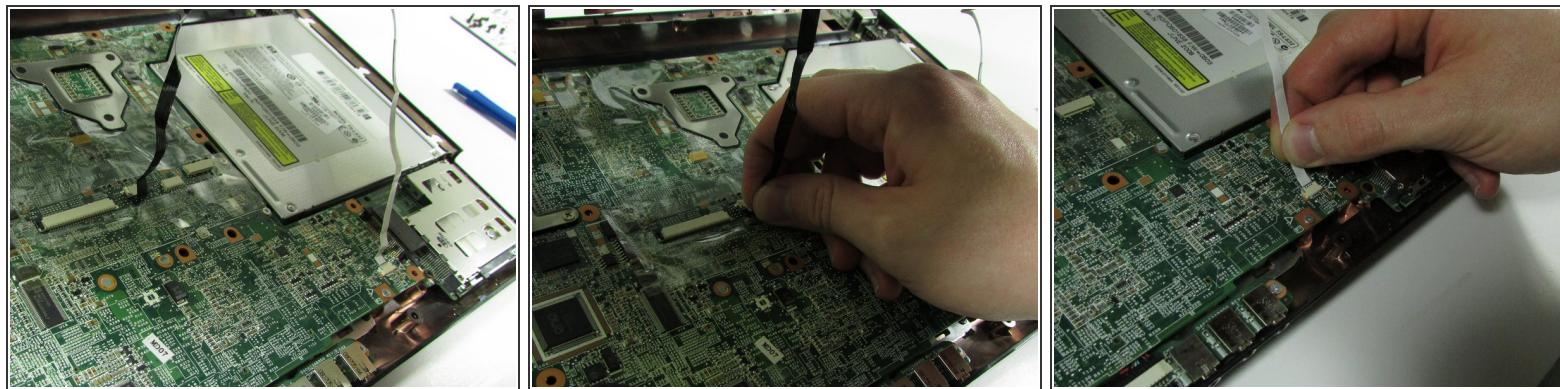


- Remove screw in top left corner.
- Remove screws on motherboard cover.
- Pull up on the cover to remove it.

(i) You can use a plastic opener if it is hard to get your fingers under the cover's edges.

! Do not pull hard on the cover, as there are two ribbon cables under the cover connected to the motherboard.

Step 21



- Pull gently but firmly on the ribbon cables at the connection points to remove them

Step 22



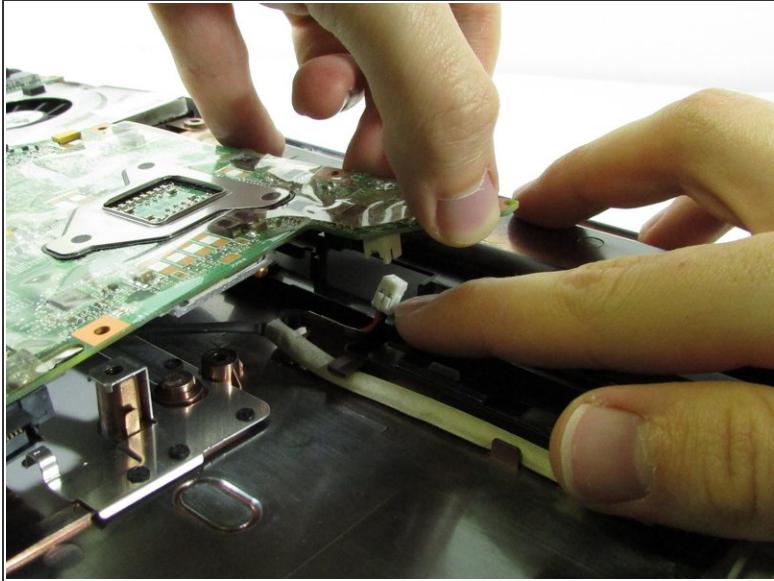
- Remove screws from the ExpressCard component.

Step 23



- Remove ExpressCard component by sliding it out.
- Remove Optical Drive by sliding it out.

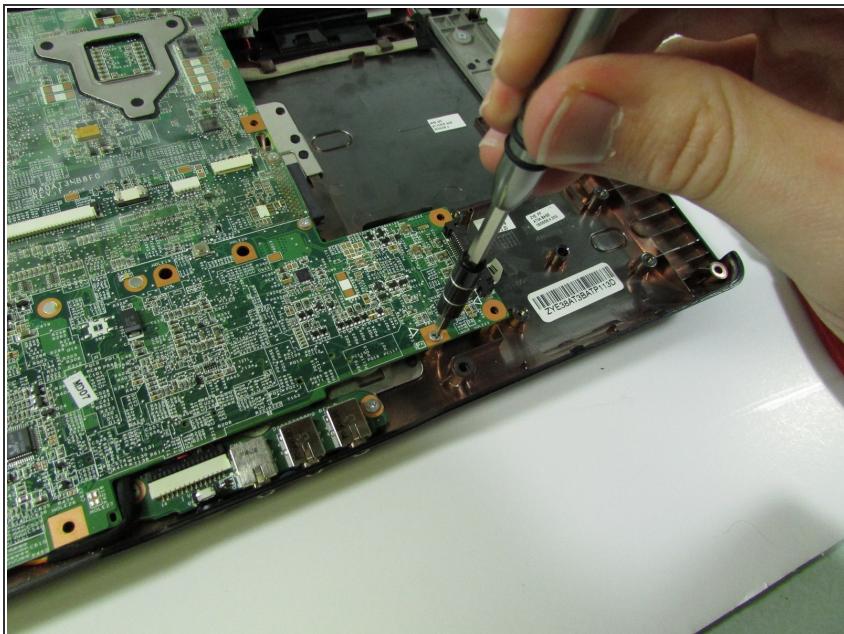
Step 24



- Detach connector from the motherboard.

(i) This piece is likely to be very hard to disconnect, so do not be afraid to use more force than normal.

Step 25



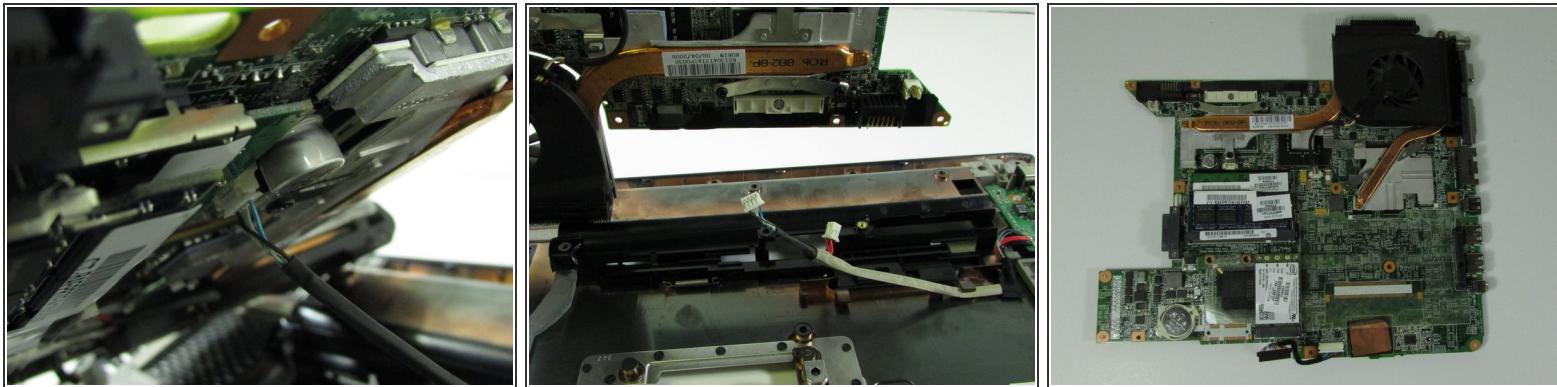
- Remove screw near where the ExpressCard component was.

Step 26



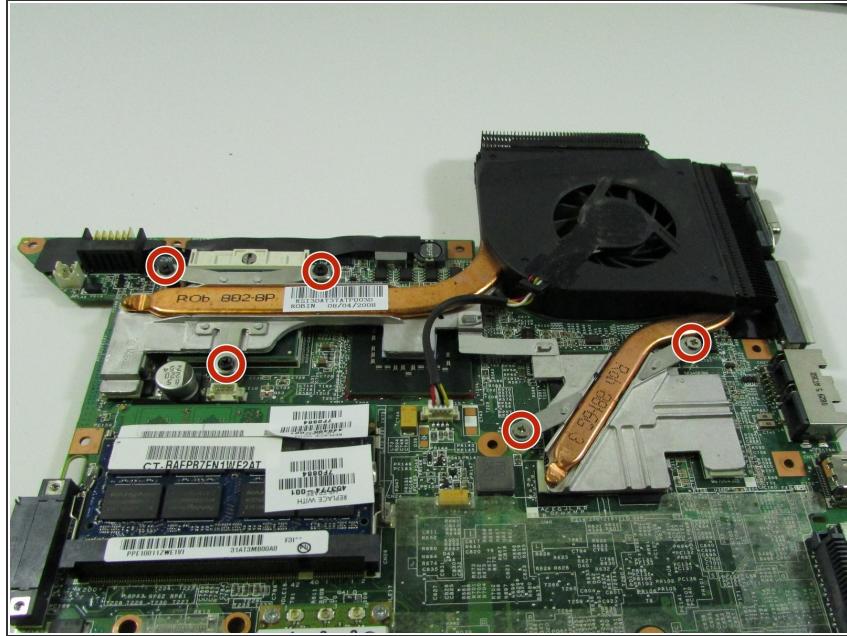
- Lift up motherboard.
- Detach the motherboard connector at the front under the motherboard.

Step 27



- Lift up and out the motherboard.
- Detach the connector under the motherboard.
- Remove the motherboard.

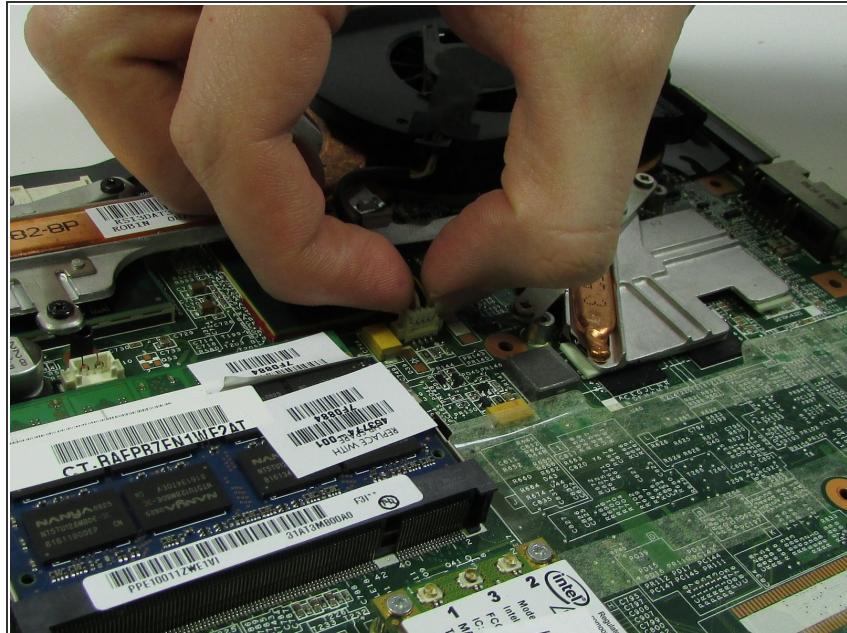
Step 28 — Heat Sink



- Unscrew the screws on the heat sink.

(i) The screws will not come out of the heat sink - just out of the motherboard.

Step 29



- Pull out connector from motherboard port.

Step 30



- Remove heat sink.

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