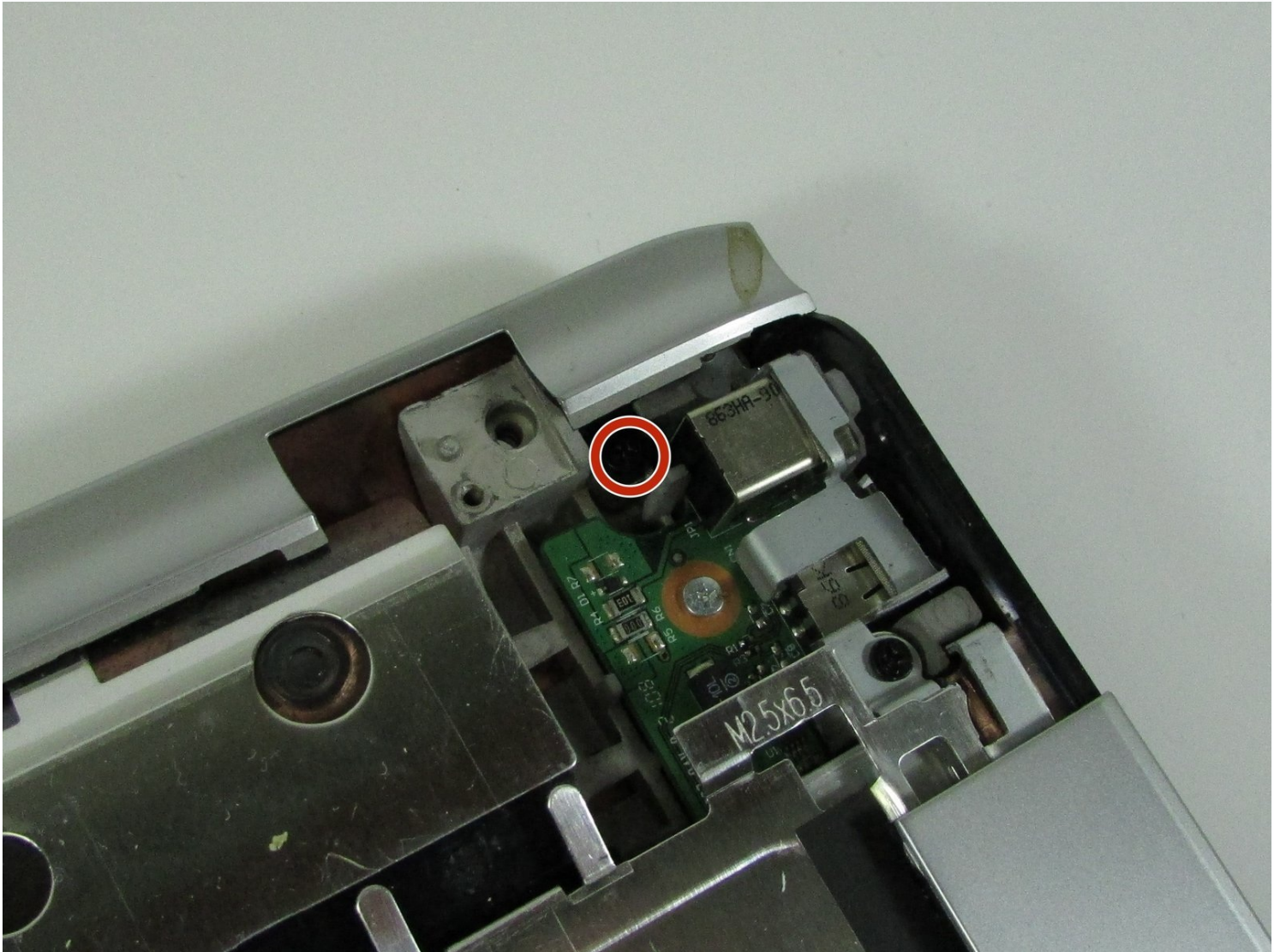# HP Pavilion dv6700 Motherboard Replacement

This is for if you need to get into the guts of...

Written By: Alec Gramm

INTRODUCTION

This is for if you need to get into the guts of the HP Pavilion dv6700. Be sure to have the anti-static strap on, as you will be coming into contact with circuitry and could permanently damage the pieces with static electricity.
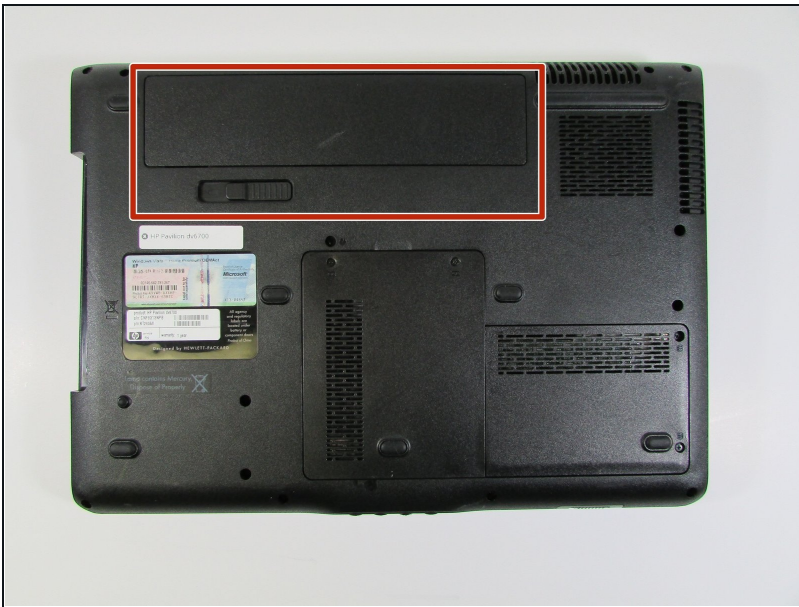
🔧 TOOLS:

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

Step 1 — Battery

- Flip over the device so that the bottom is facing you.

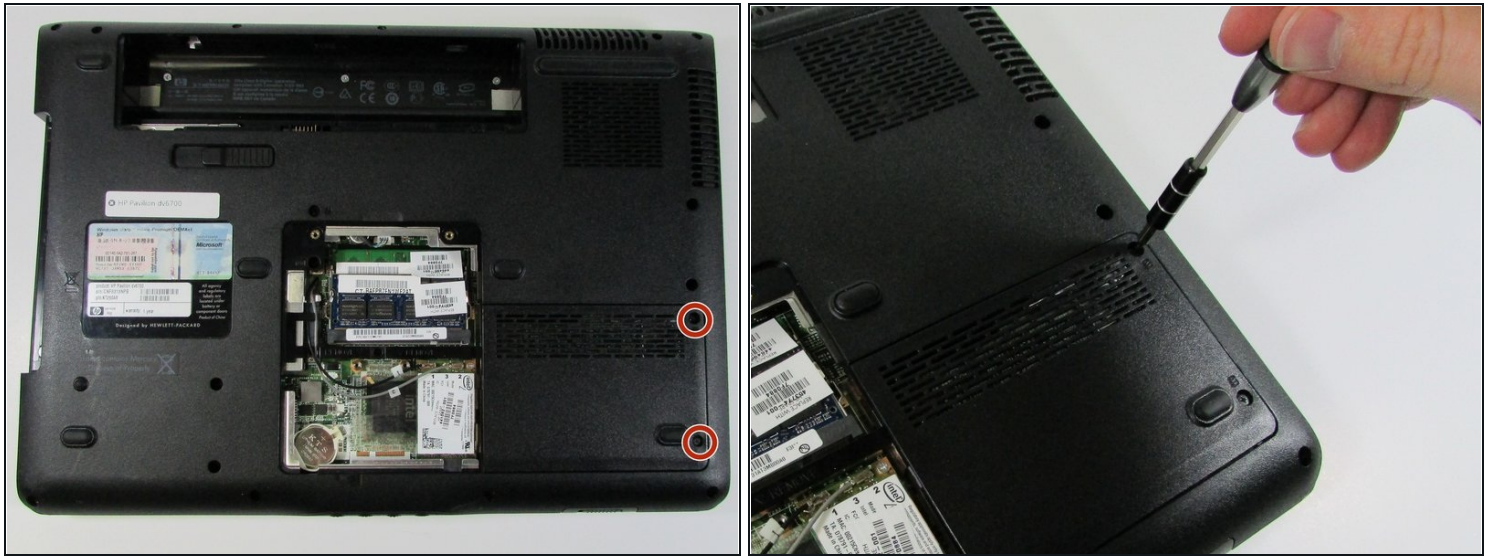- Locate the battery on the bottom of your laptop.

Step 2

- Slide the 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 by unscrewing the two screws.
  - (i) These screws can not be fully removed because they're captive. Loosen them until they turn freely.

Step 4

- Use a Phillips #00 screwdriver to remove the two screws securing Hard Disk Drive (HDD) cover.
  - ⓘ Screws will not fully remove. Loosen them until they turn freely.

Step 5

- Use a Phillips #00 screwdriver to remove the 25 screws securing the bottom of the computer.

Step 6

- Detach WiFi antenna wires.
  - ⓘ Be sure that the wires are labeled so you remember which ones go where.
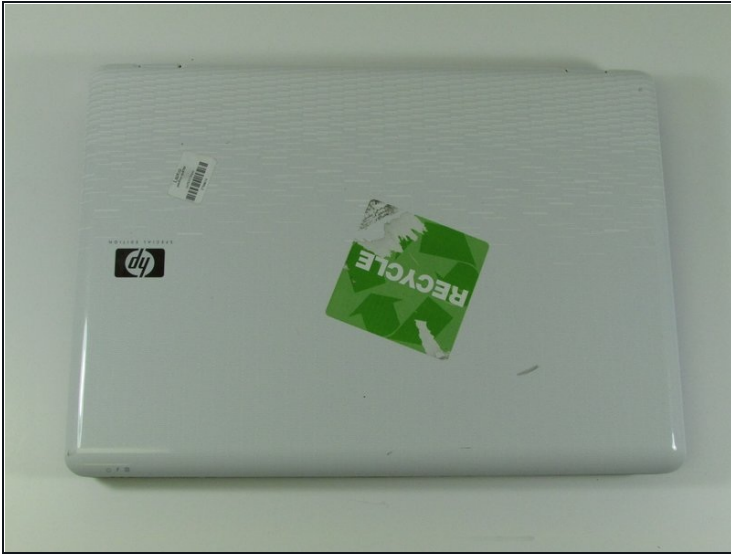
Step 7

- Using the Phillips #0 screwdriver remove the 2 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.
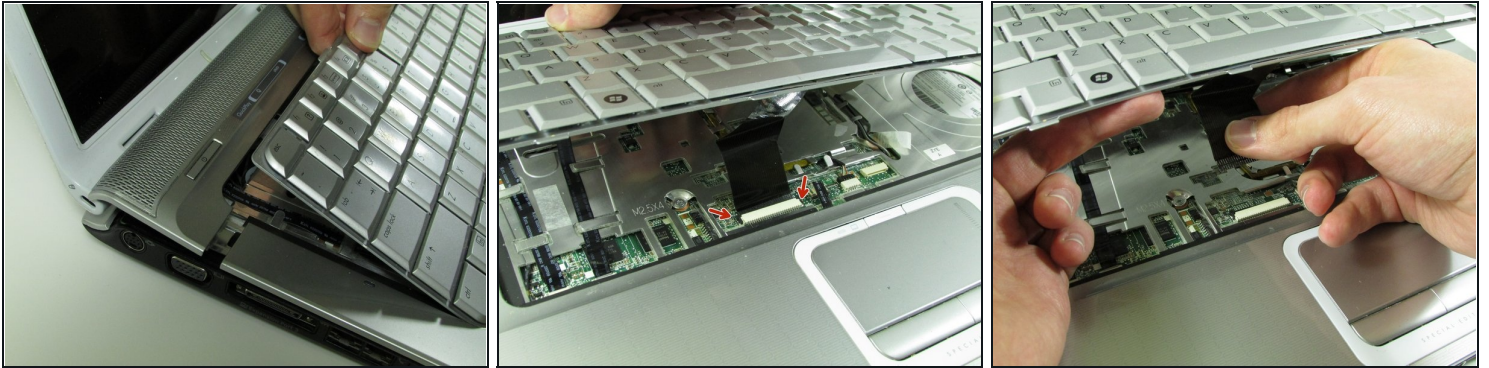
Step 8

- Flip over HP Pavilion dv6700 so that the top is facing you.
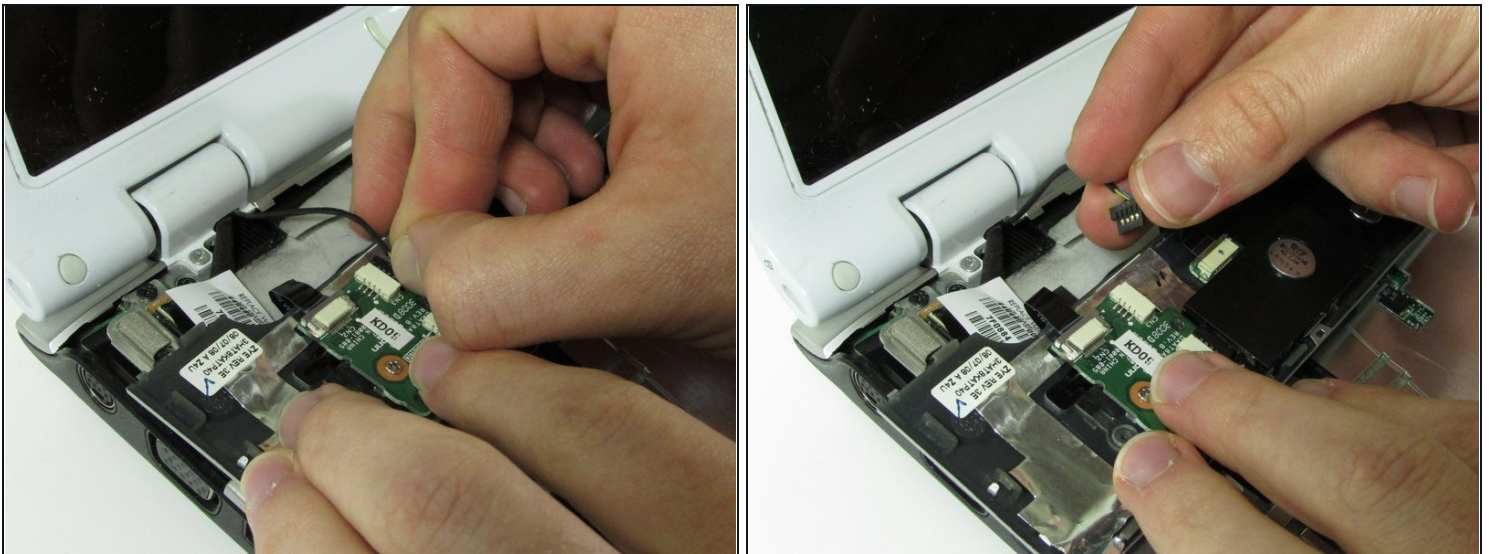
- Open up HP Pavilion dv6700.

Step 9

- Use an iFixit 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.
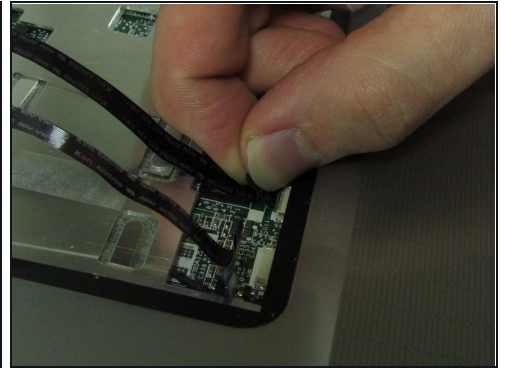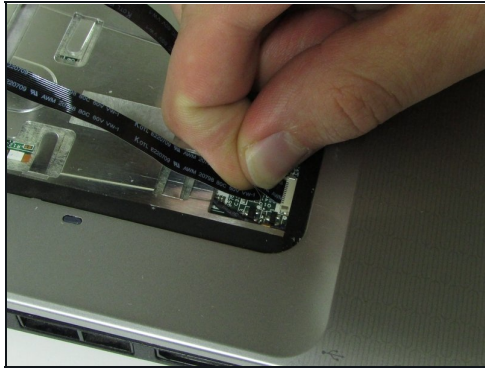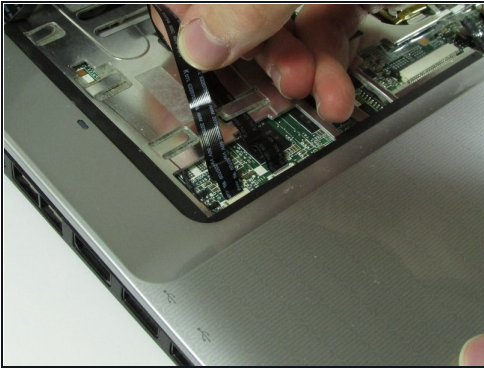
Step 10

- 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.
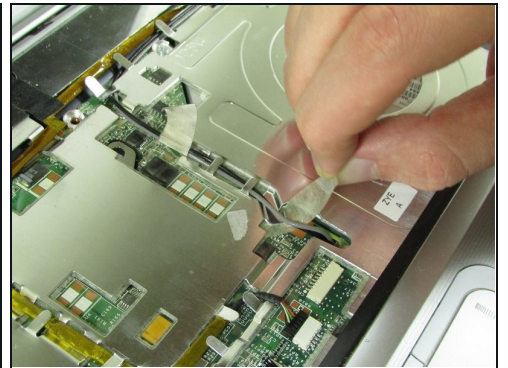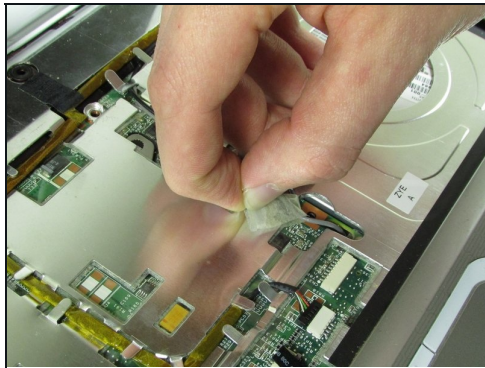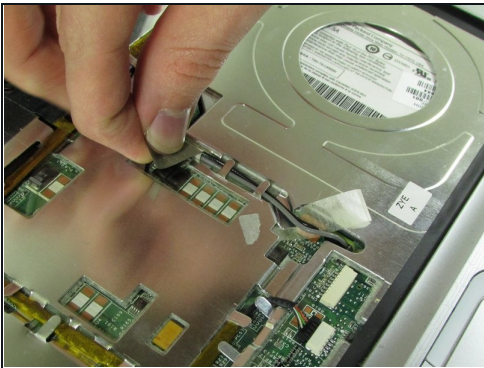
Step 11

- Flip over the plastic bar.

- Detach the display connector.
  ⚠ Do not pull on the wires. Pull on the black plastic part or wedge an iFixit opening tool or fingernail between the port and the connector.
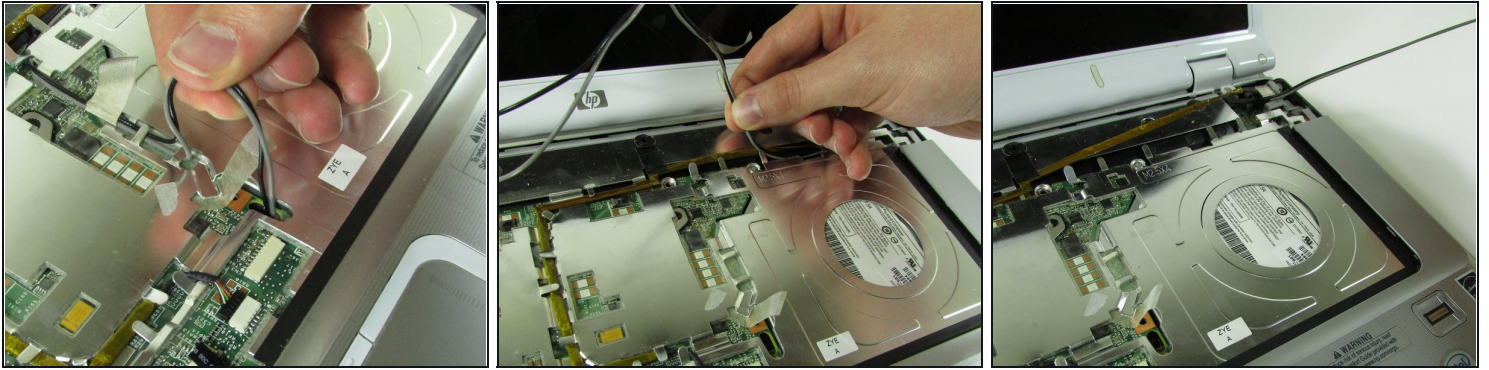
Step 12

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

Step 13

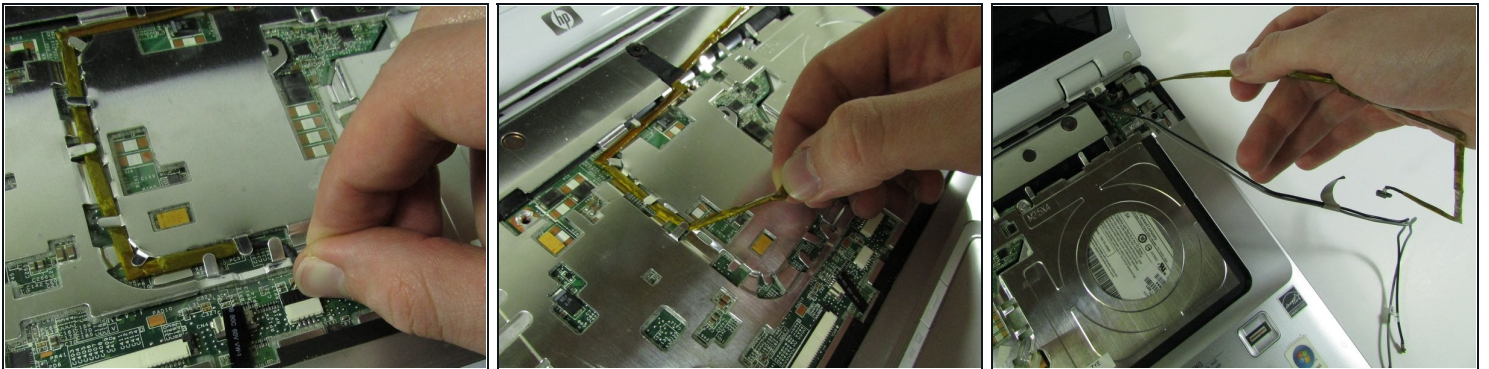- Pull up on tape holding down wires.

Step 14

- Pull up on the WiFi wires and out from under the metal tabs.
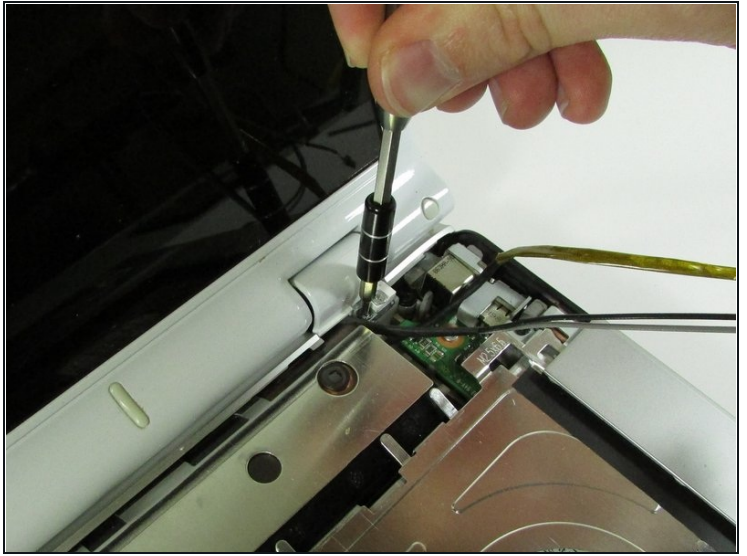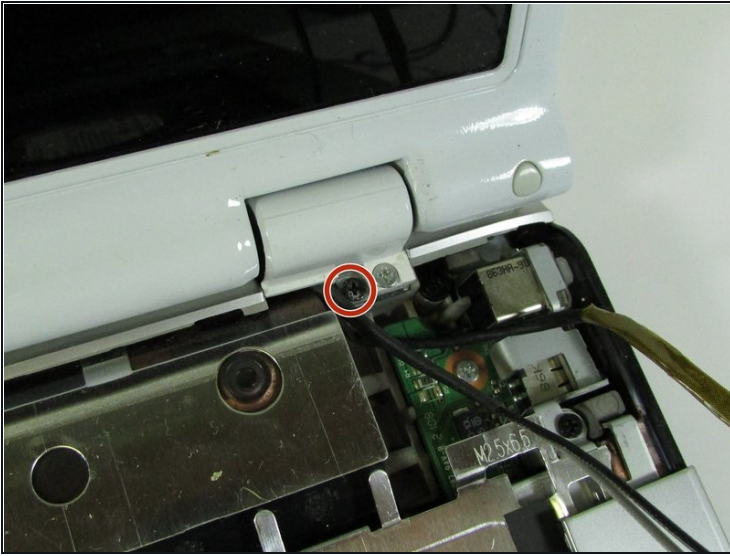
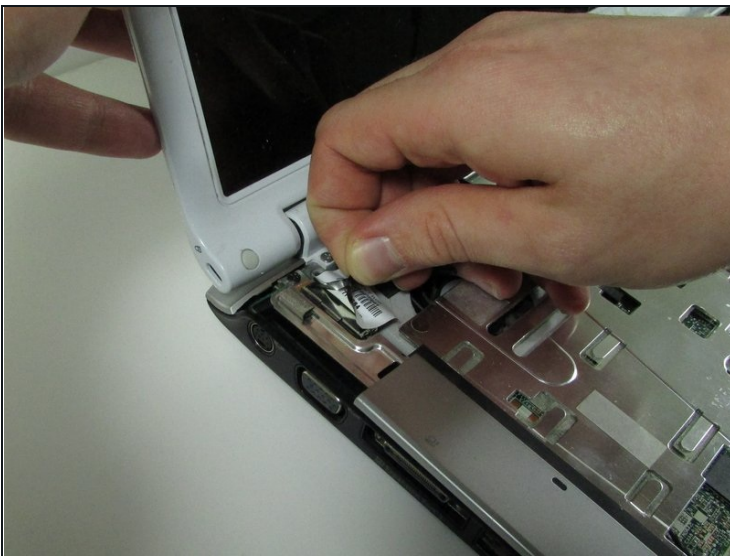⚠ Do not yank them out. Let them hang loose once they are out from under the tabs.

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

- Use a Phillips #00 screwdriver to remove the black screw located in the top right corner near the display.
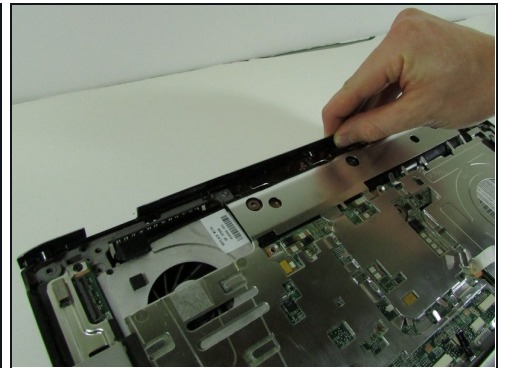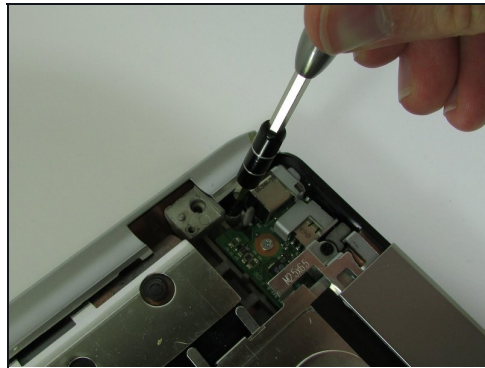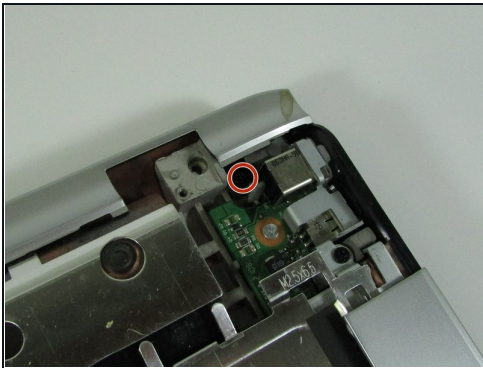
Step 17

- 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.
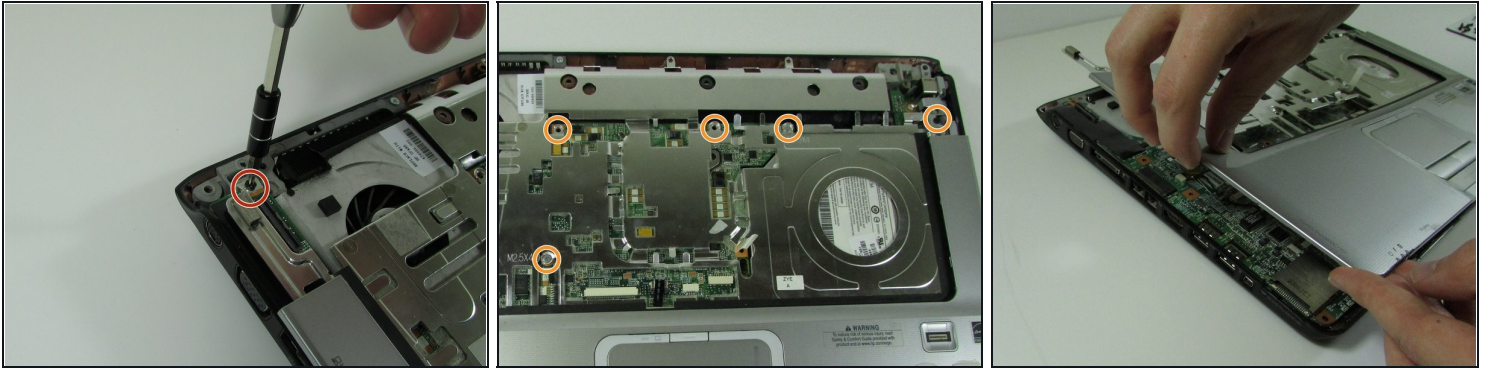
Step 18

- Use a Phillips #00 screwdriver to remove the black screw securing the screen.
  ⚠ 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 using the Phillips #00 screwdriver.

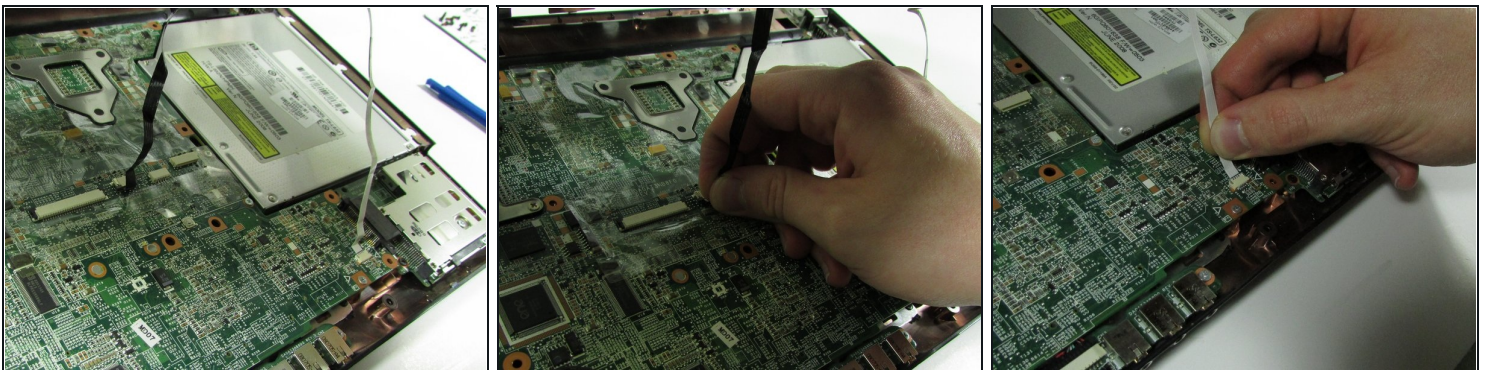- Pull up on the top piece and remove it.

Step 20

- Remove the screw in top left corner using the Phillips #00 screwdriver

- Remove the five screws that are located on the motherboard cover.

- Pull up on the cover to remove it.
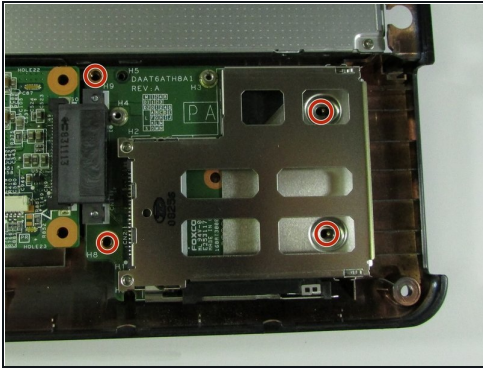 - ⓘ You can use a plastic opener if it is hard to get your fingers under the cover's edges.

  ⚠ Do not pull hard on the cover, as there are two ribbon cables under the cover connected to the motherboard.
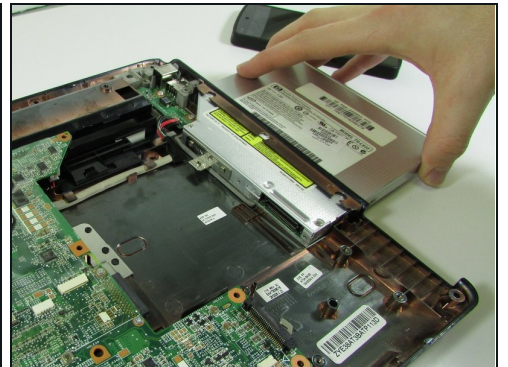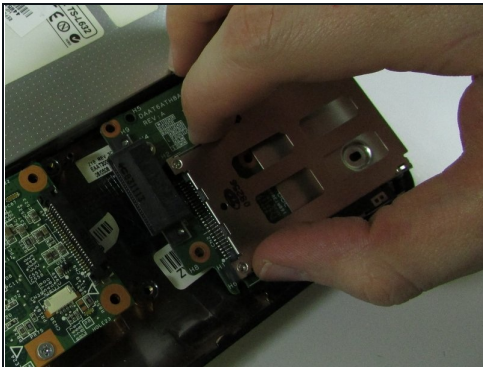
Step 21

⚠ Pull gently but firmly on the ribbon cables at the connection points to remove them
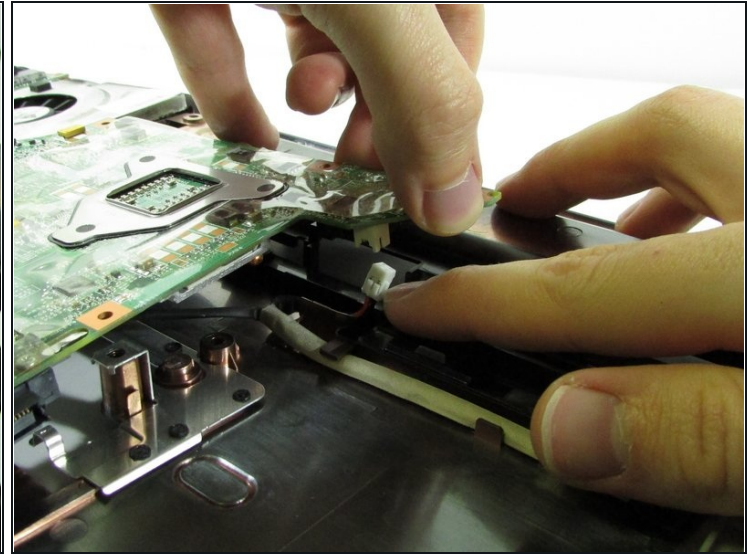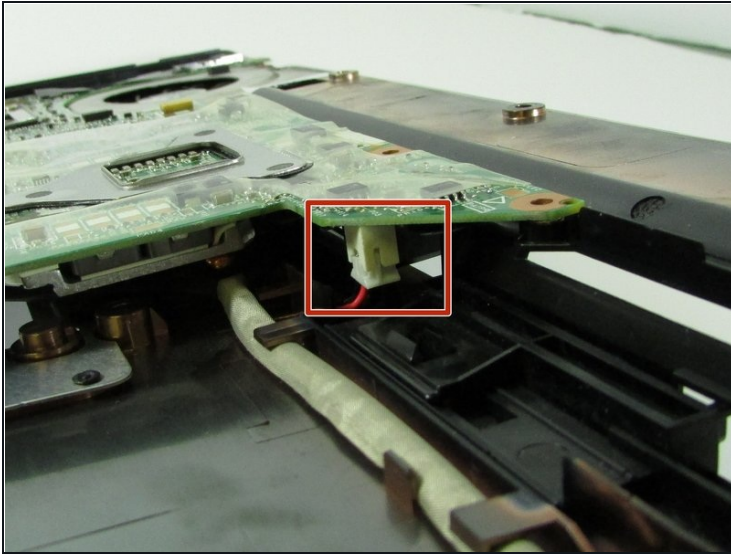
Step 22

- Remove the four screws from the ExpressCard component using the Phillips #00 screwdriver.
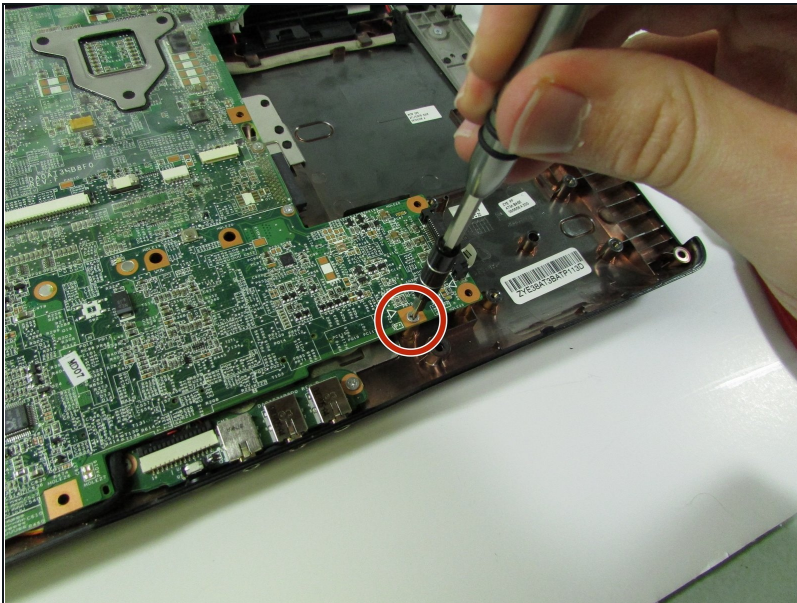
Step 23

- Remove ExpressCard component by sliding it out.

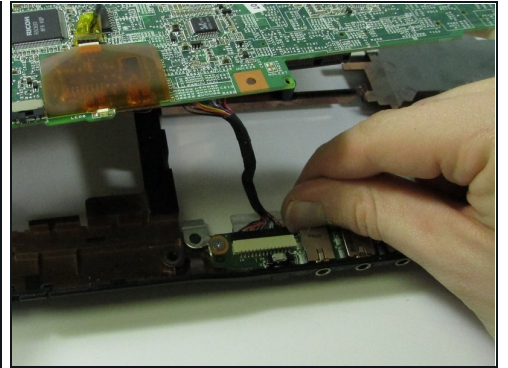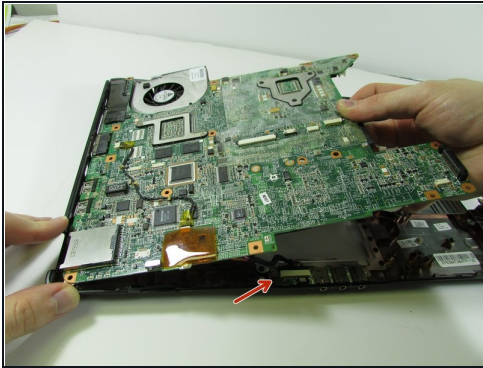- Remove Optical Drive by sliding it out.

Step 24

- Detach connector from the motherboard.
  - ⓘ This piece is likely to be very hard to disconnect, so do not be afraid to use more force than normal.
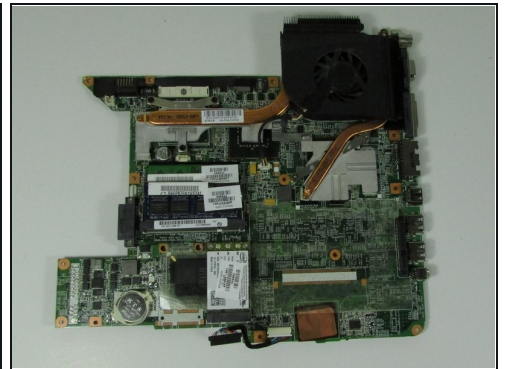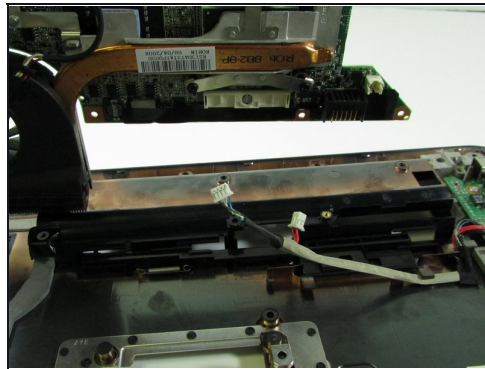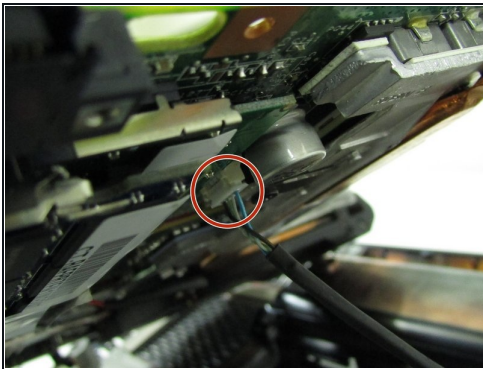
Step 25

- Using the Phillips #00 screwdriver, remove the one 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.

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