



HP Pavilion dv6-6180us Motherboard Replacement

The simplest step by step guide on replacing the motherboard on HP Pavilion dv6-6180us.

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INTRODUCTION

If you are having complications with laptop having to boot and then shutting off, or blue screens of death, you may want to replace the motherboard.



TOOLS:

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



PARTS:

- [New motherboard](#) (1)

Step 1 — Hard Drive



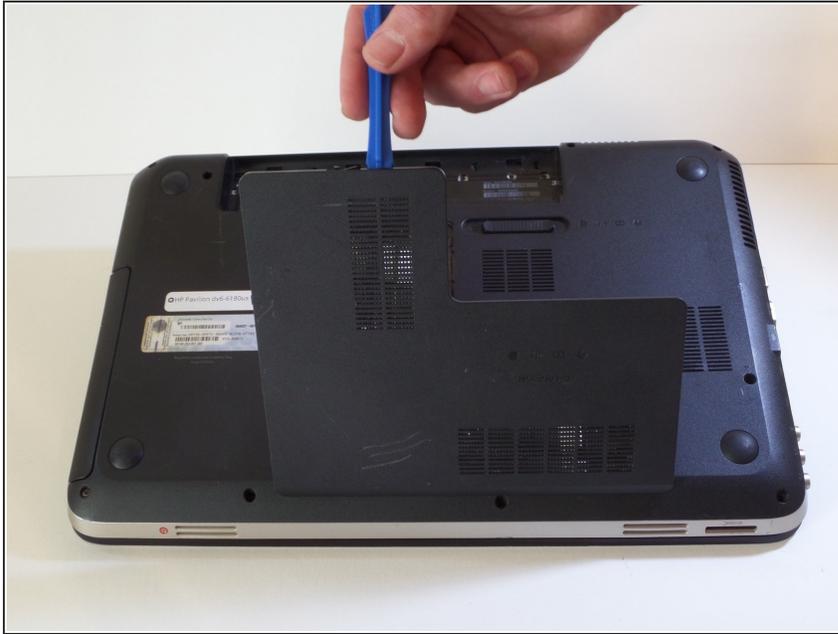
- ⚠ Turn off and unplug the device before starting.
- Flip your device over so the bottom panel is facing up.

Step 2



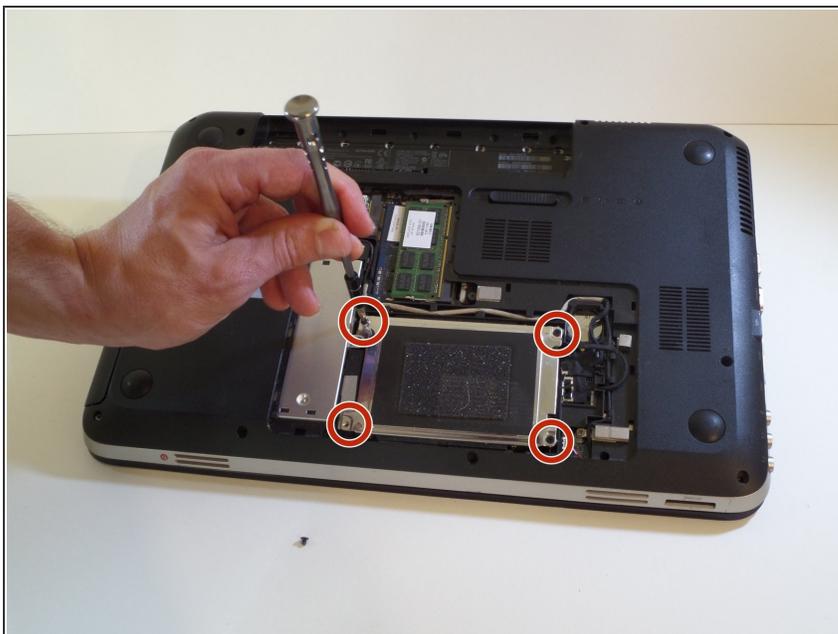
- Slide the lock switch to the right.
- ⓘ The panel will pop open at the top corner.

Step 3



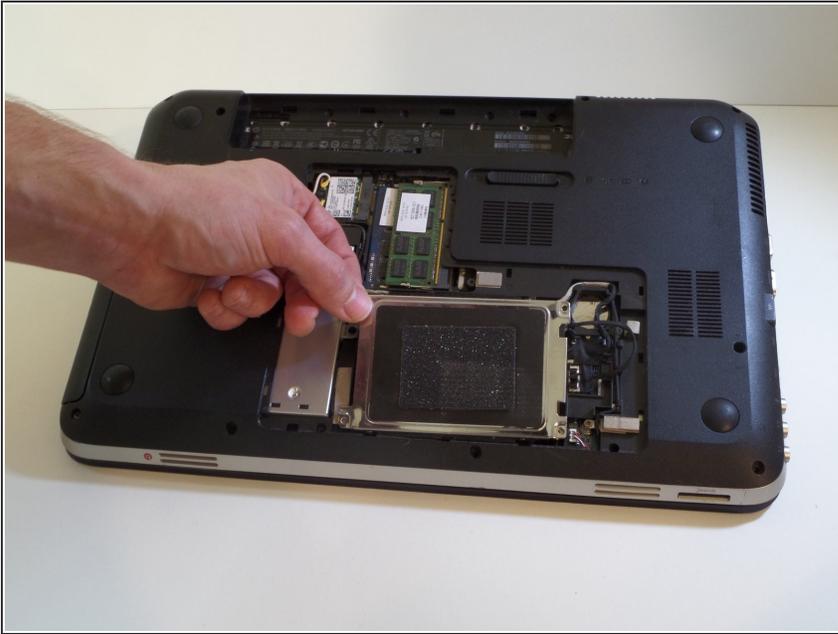
- Use the plastic opening tool to remove the back panel.
- ⓘ Some force may be required to remove the panel from the case. Use caution when prying to avoid breaking the panel or the plastic tabs securing it in place.

Step 4



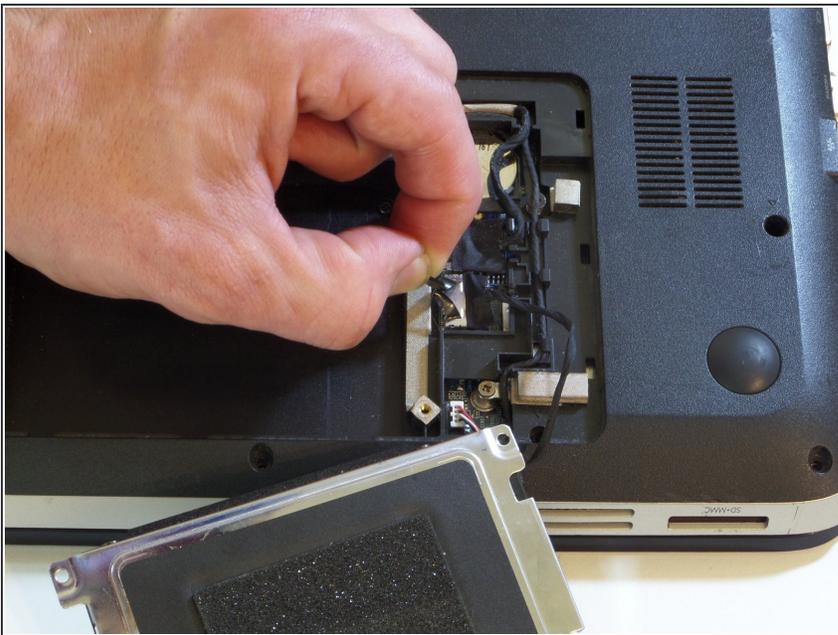
- Use the PH 1 screwdriver to remove the four 3.5 mm screws securing the hard drive.

Step 5



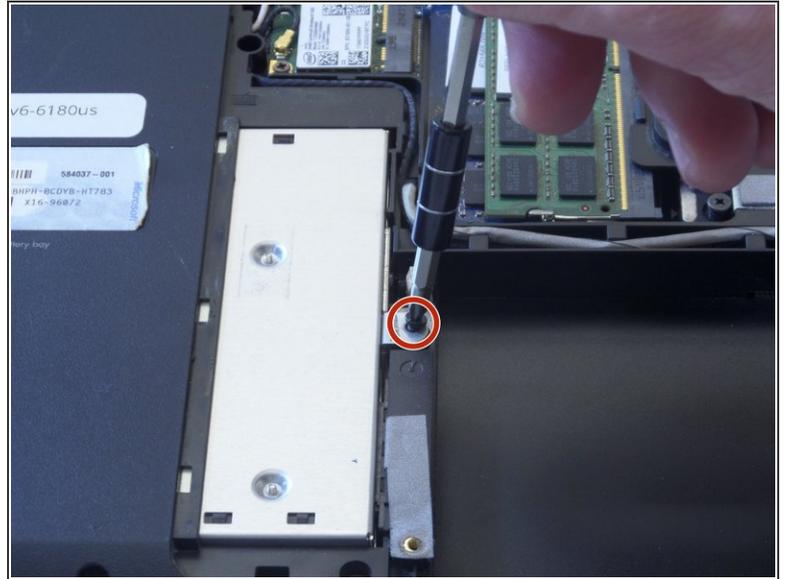
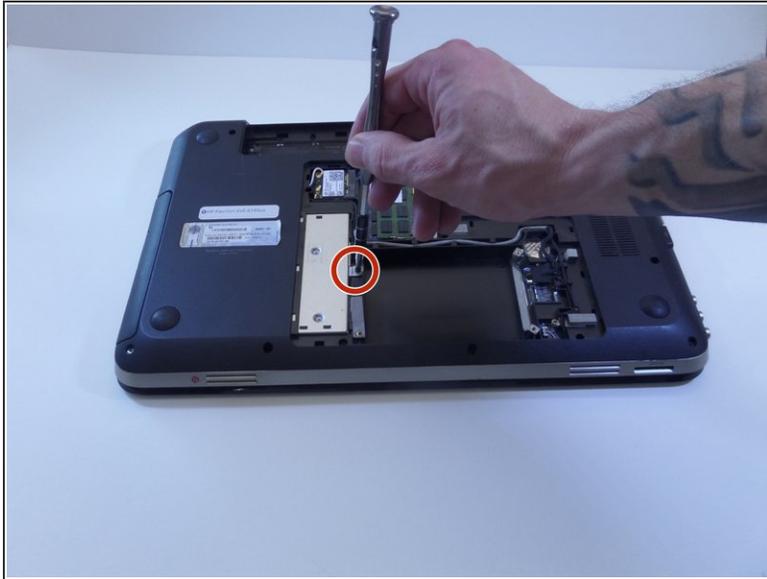
- Lift the corner bracket to remove the hard drive.

Step 6



- Unplug the hard drive wire to detach the hard drive.

Step 7 — Motherboard



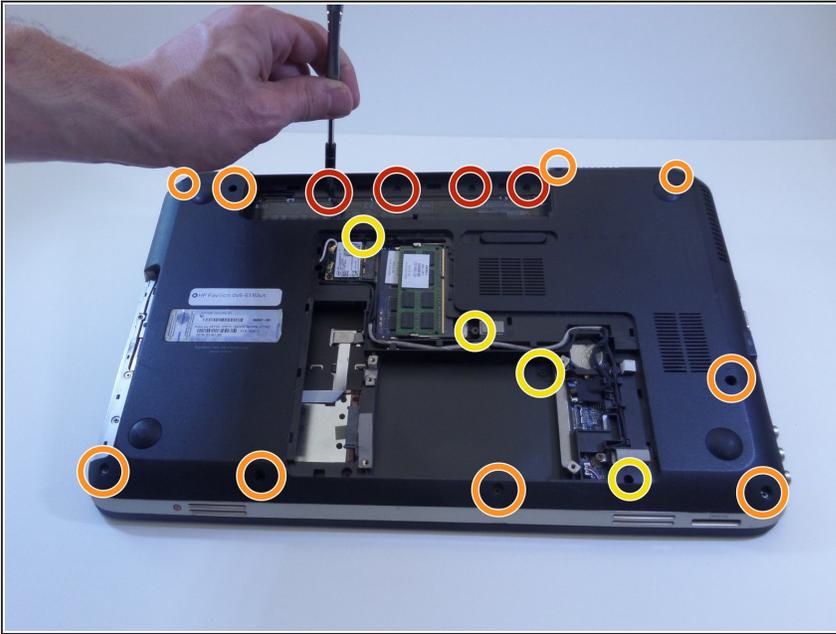
- Remove a 3.5 mm screw that is securing DVD player with screwdriver PH1.

Step 8



- Slide DVD player to the left and pull to remove completely.

Step 9



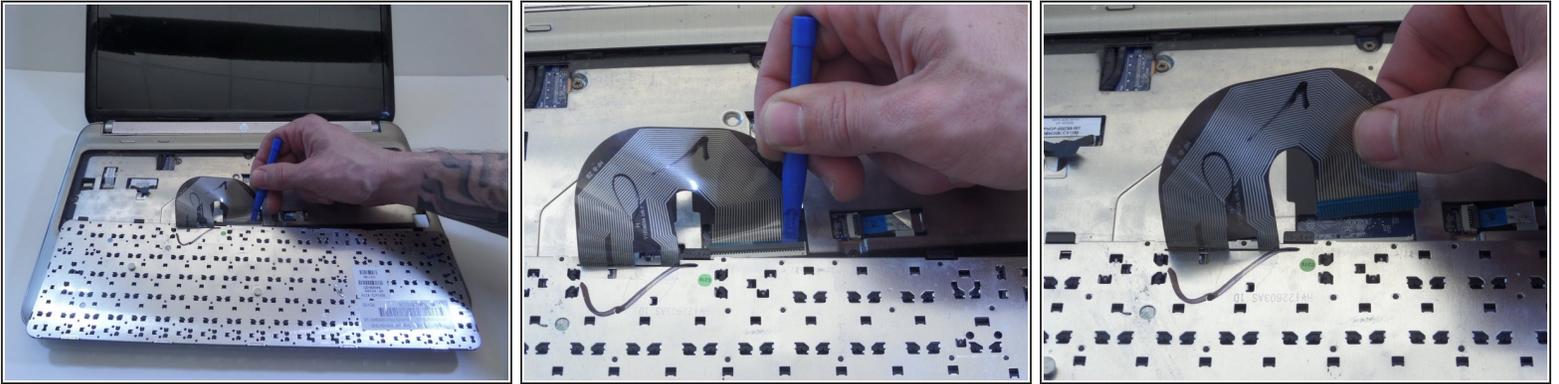
- Unscrew four 3.5 mm screws from the inside of the battery compartment with PH 1 screwdriver.
- Unscrew nine 5 mm screws with PH 1 screwdriver.
- Unscrew four 4 mm screws with PH 1 screwdriver.

Step 10



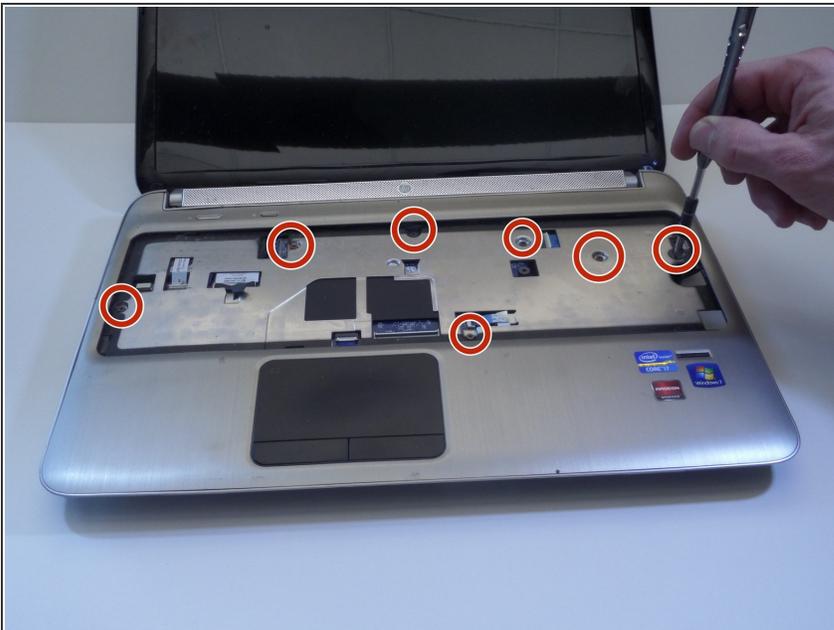
- Flip side up and open laptop.
- Pry open the keyboard using a plastic opening tool starting from the top.
- ⓘ Lift up keyboard gently because a silver ribbon is still attaching it to the laptop.

Step 11



- ① Place keyboard upside down.
- Lift up plastic cover over keyboard connector cable.
- Pull ribbon cable up away from keyboard to completely remove.

Step 12



- Remove seven 4mm panel screws with PH 1 screwdriver.

Step 13



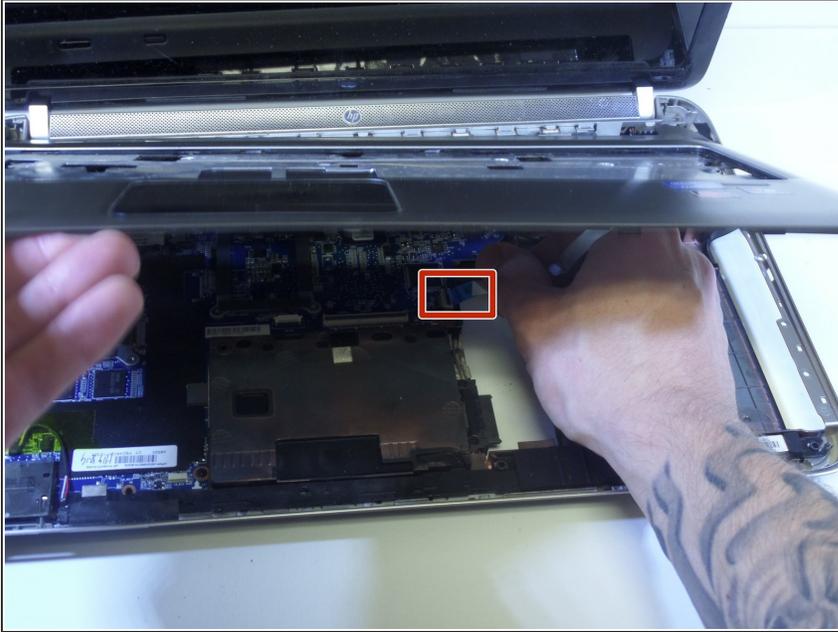
- Place the computer on its side
- Separate top panel from bottom frame.

Step 14



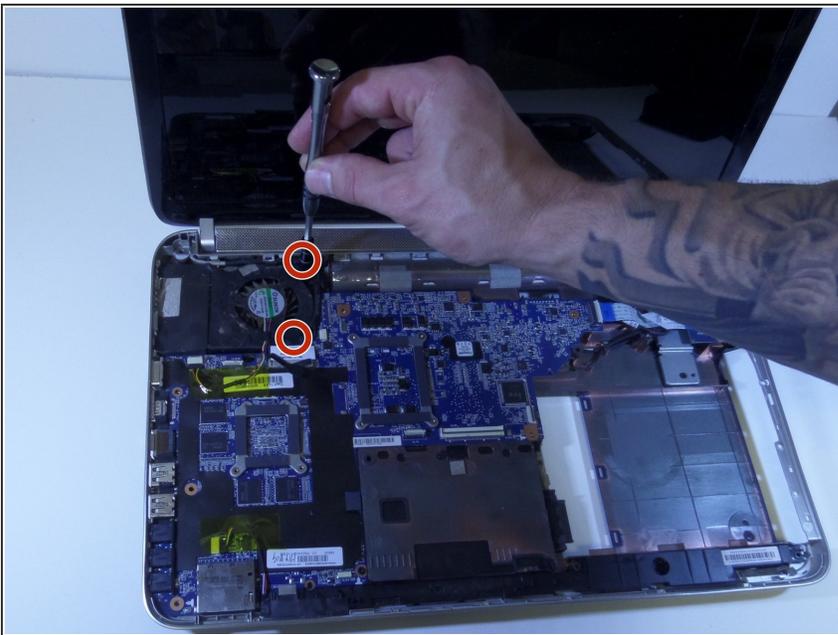
- Pop open rest palm assembly.

Step 15



- Pull ribbon to detach from bottom panel.

Step 16



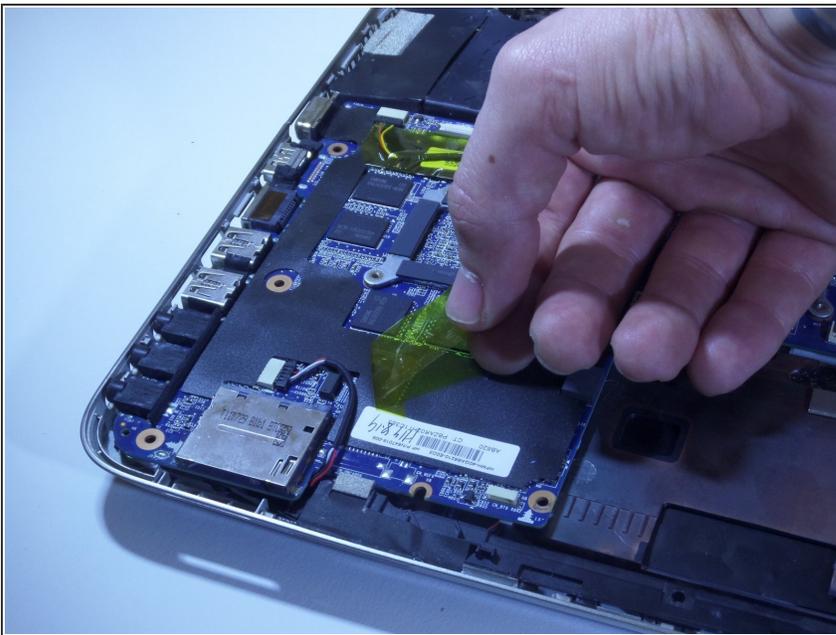
- Remove two 5mm screws securing fan, using PH1 screwdriver.

Step 17



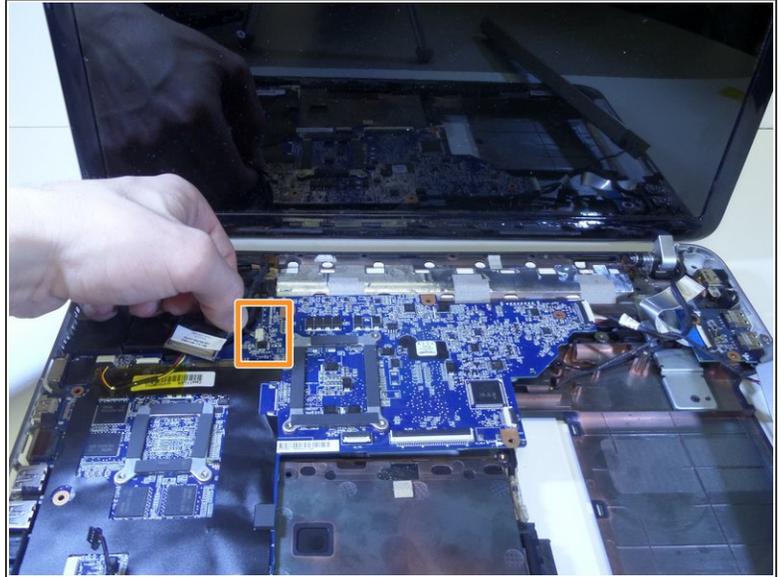
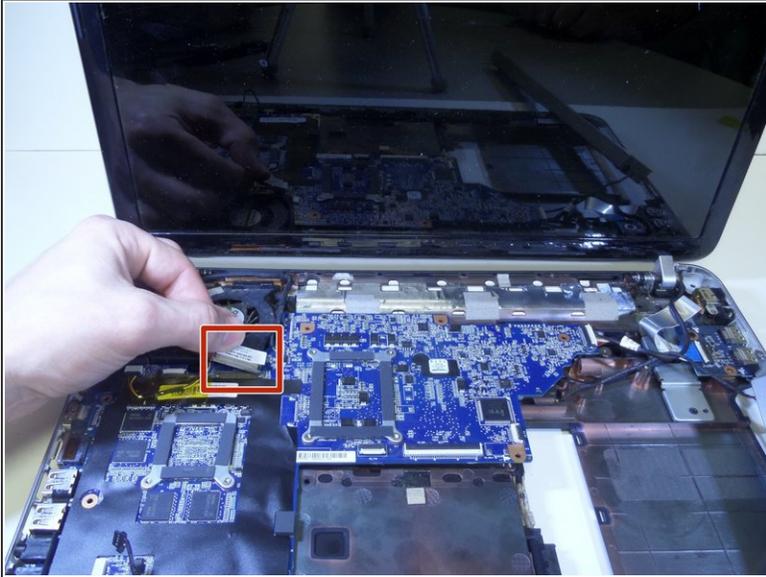
- Flip laptop over.
- Remove two 4mm screws securing antenna using PH 1 screwdriver.
- Pull antenna to the right to remove.

Step 18



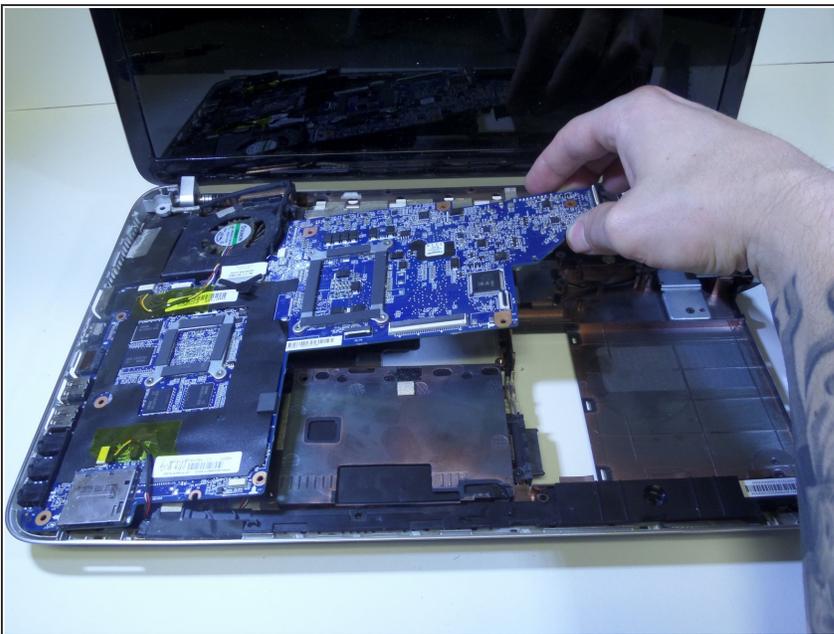
- Flip laptop side up.
- Pull off yellow insulating tape.

Step 19



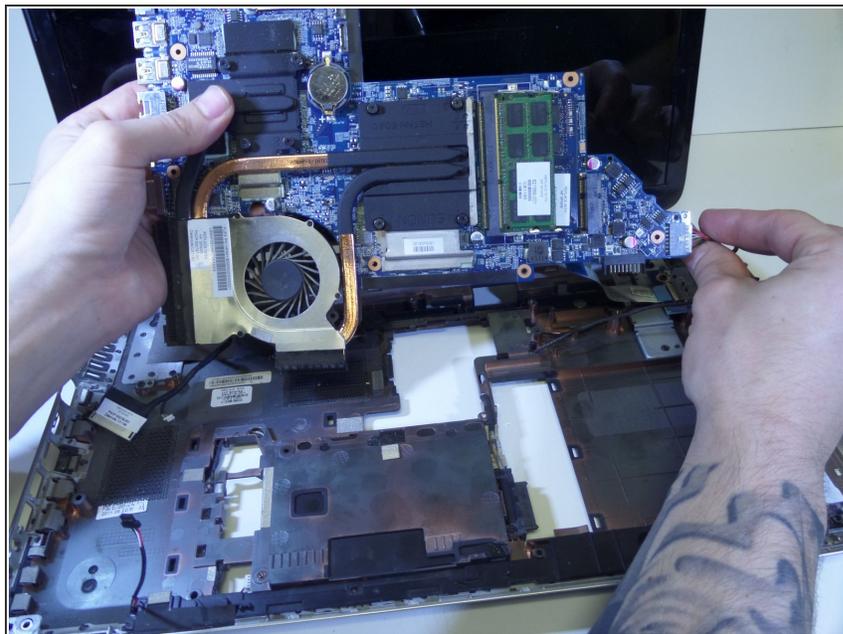
- Grab tab on left top corner and remove black wire.
- Remove white input attachment.

Step 20



- Hold the motherboard and pull to the right.
- ⓘ The plugs on the left may be difficult to snap out.

Step 21



- Remove entire motherboard.

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