



HP G71t-300 Cooling Fan Replacement

The cooling fan allows air to circulate through the system, reducing the chance of system overheating. This guide serves to assist the user in replacing a broken or unresponsive cooling fan.

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INTRODUCTION

Make sure that you have a cooling fan with the same voltage/amperage settings to prevent abnormal operation.



TOOLS:

- [Phillips #0 Screwdriver](#) (1)
- [Metal Spudger](#) (1)



PARTS:

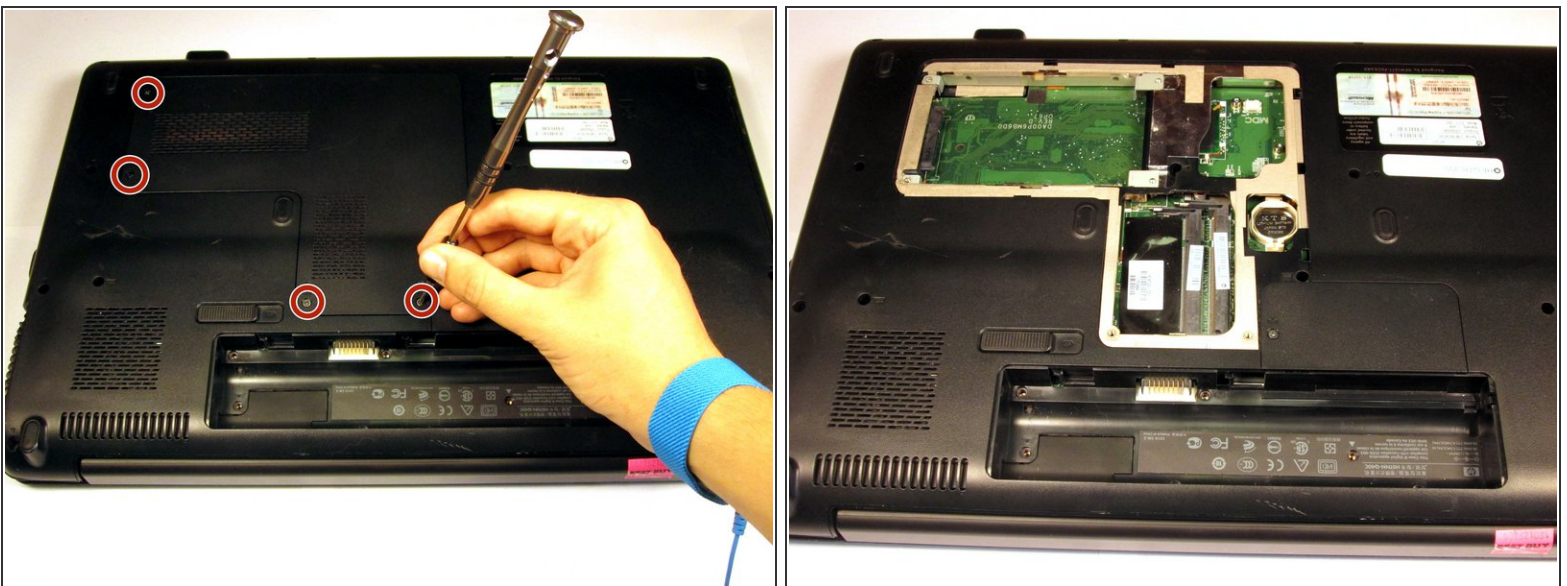
- [Arctic Silver Thermal Paste](#) (1)

Step 1 — Keyboard



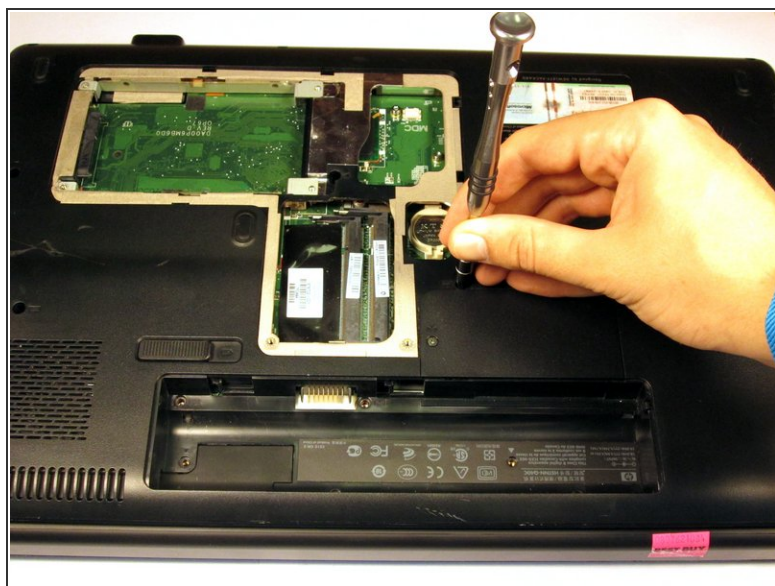
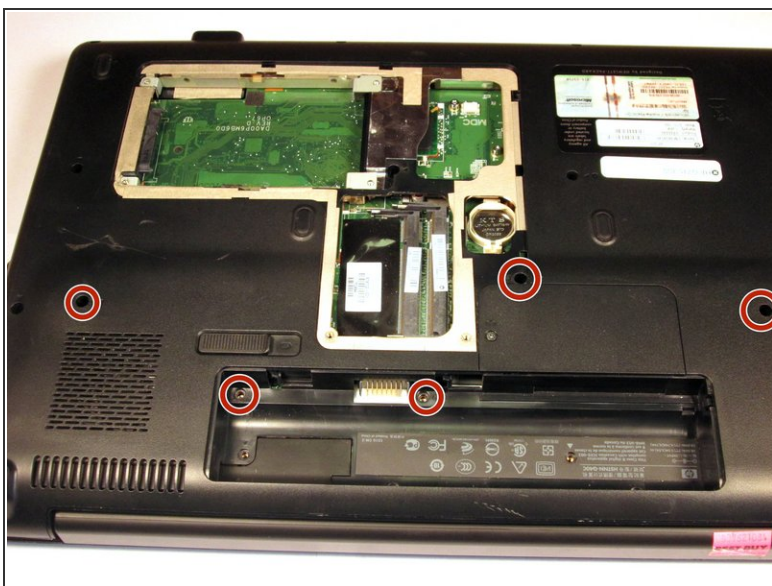
- Ground yourself by either touching an unpainted metal surface or by using the Anti-Static wrist strap.
- Turn off the computer and remove the charger from the charging port.
- Turn the laptop over and slide the battery release catch to the right. The battery will pop up from its slot. Remove it using your fingers.

Step 2



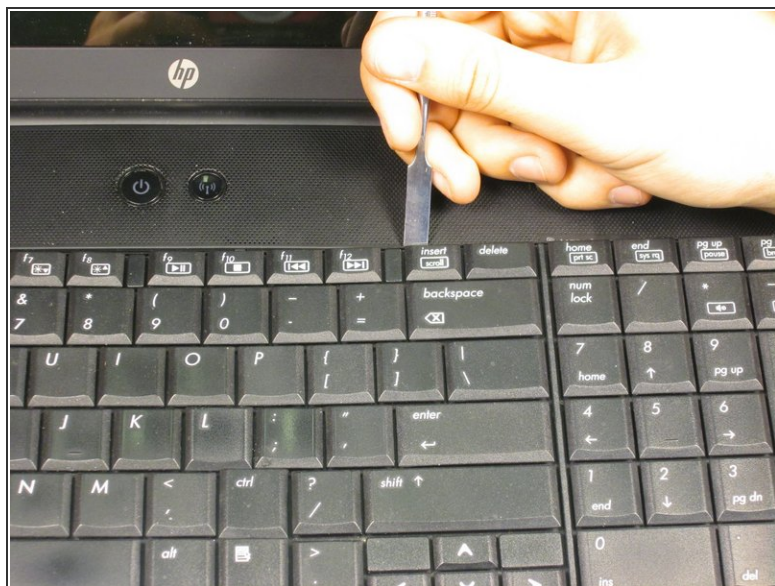
- Use a Phillips #0 screwdriver to remove the four screws from the indicated cover.
- Gently lift and remove the cover.

Step 3



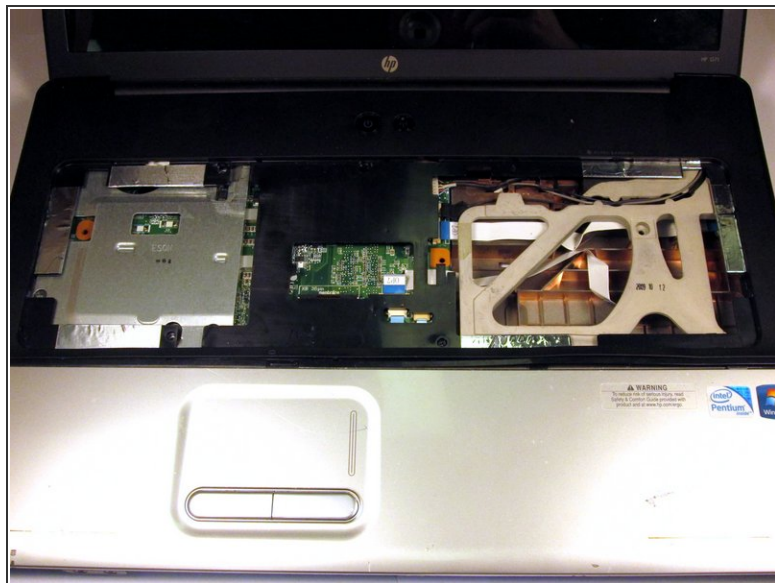
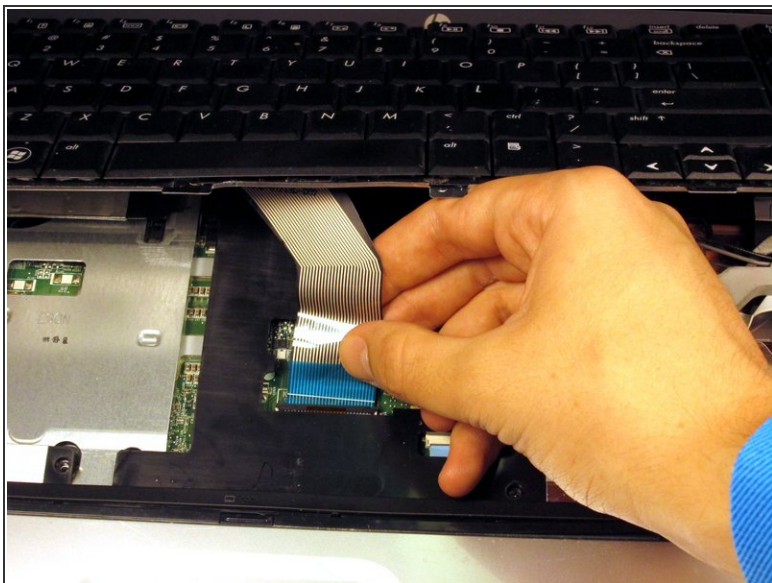
- Remove the five 6mm screws with the Phillips #0 screwdriver.

Step 4



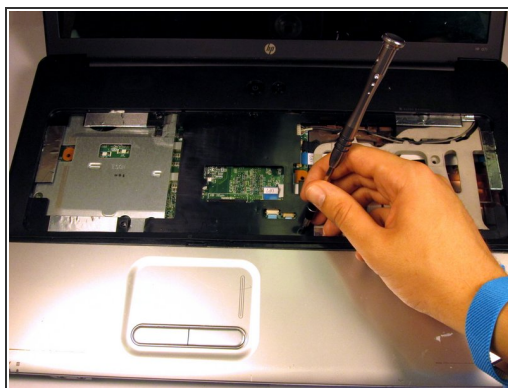
- Pry the keyboard off with a spudger. Be careful not to apply too much pressure and damage any components.

Step 5



- Disconnect the clip attaching the keyboard wiring to the motherboard. Lift and remove the keyboard.

Step 6 — Cooling Fan



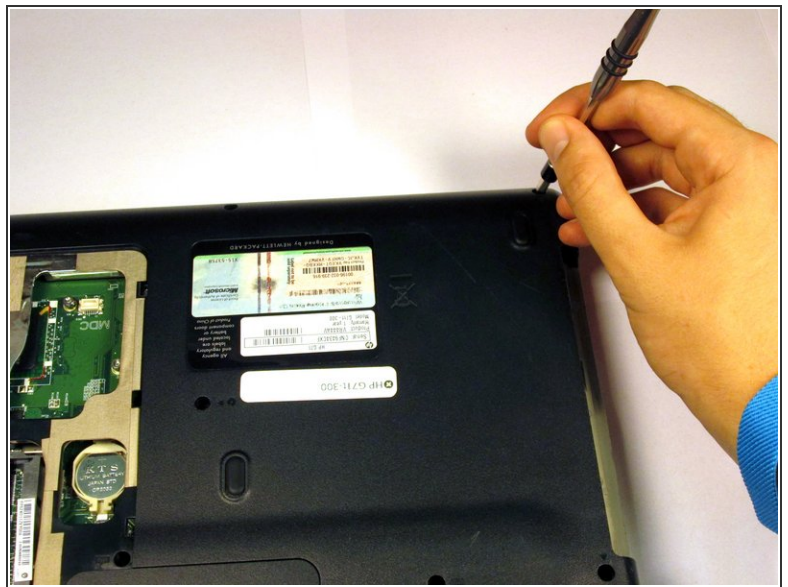
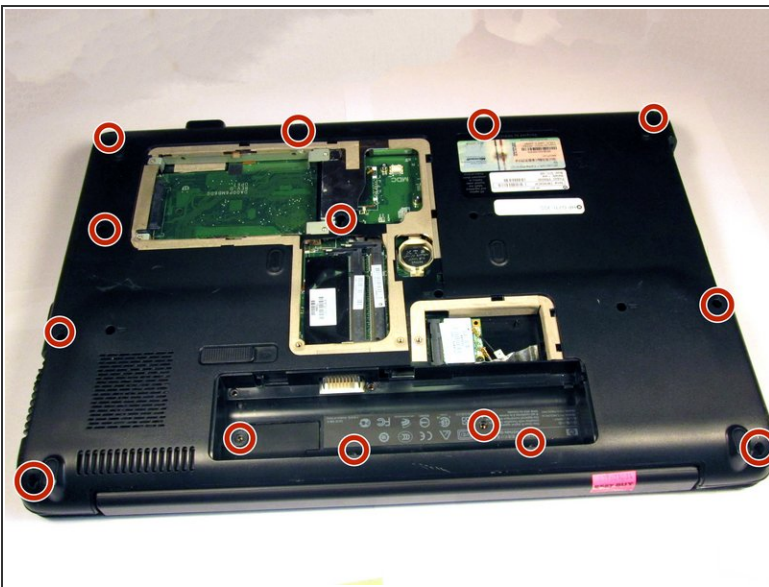
- Use a Phillips #0 screwdriver to remove the 6mm screw from the top panel.
- Gently lift and remove the panel. Use a metal spudger if the it seems set in place.

Step 7



- Use a Phillips #0 screwdriver to remove the 6mm screw for the Wi-Fi module cover.
- Remove the cover.

Step 8



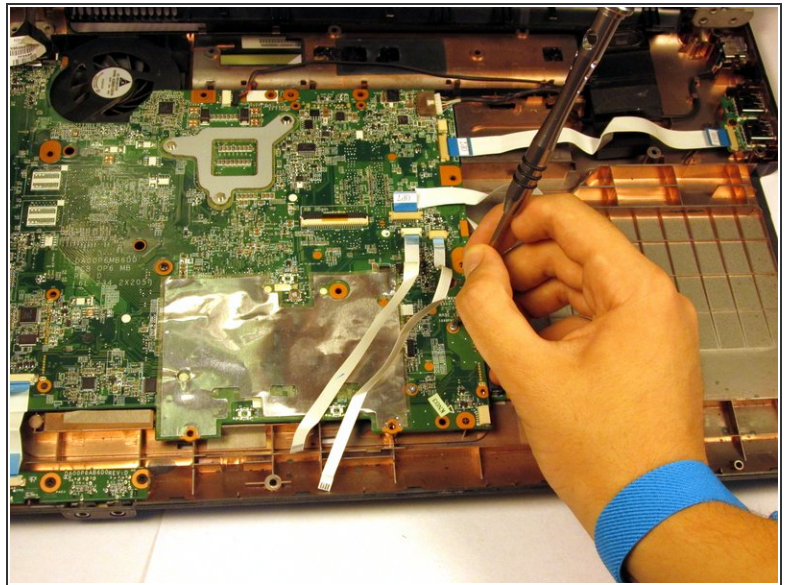
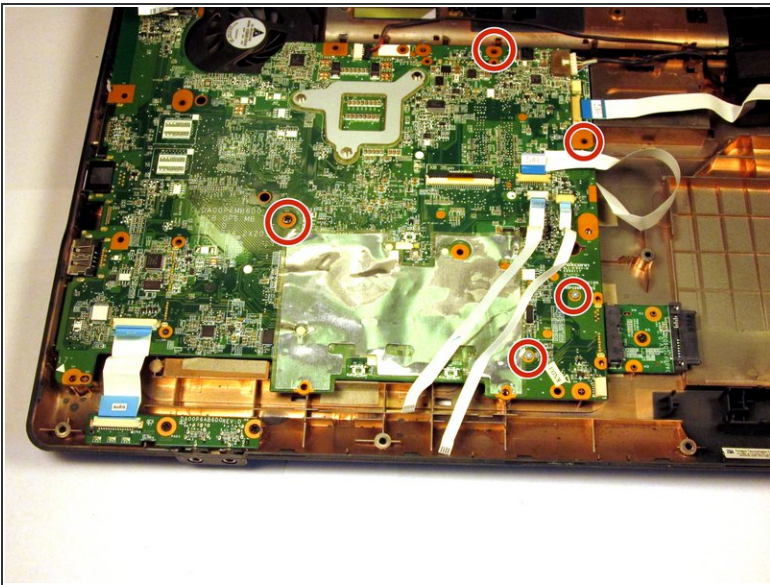
- Remove all fourteen 6mm screws using a Phillips #0 screwdriver.

Step 9



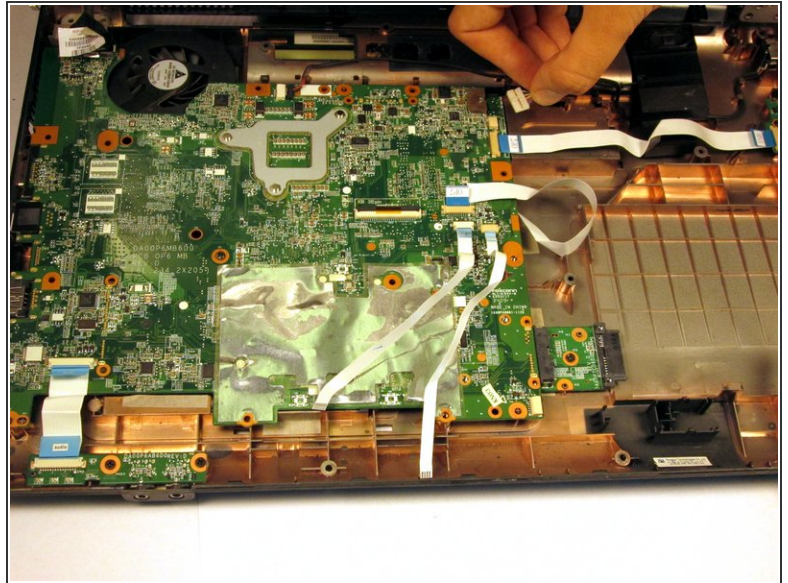
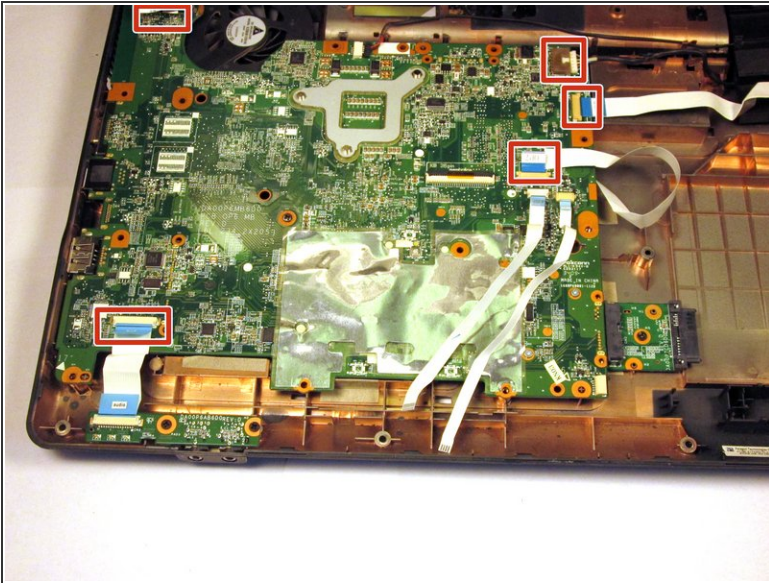
- Partially separate the two panels until connectors are visible.
- Unclip the wires that attach the trackpad module to the motherboard.

Step 10



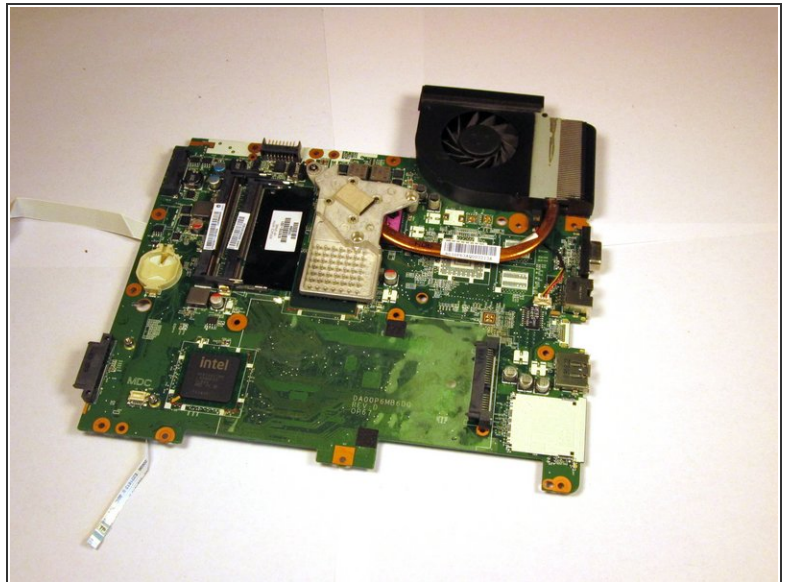
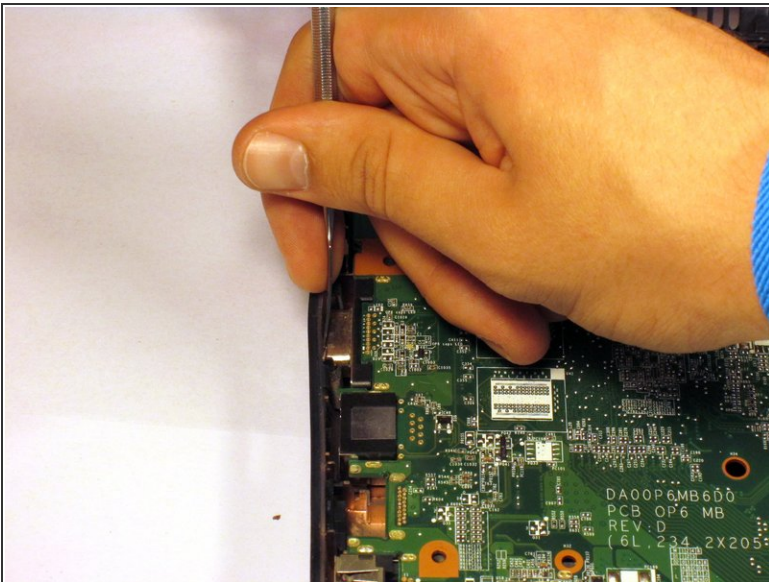
- Remove the five highlighted screws using a Phillips #0 screwdriver.

Step 11



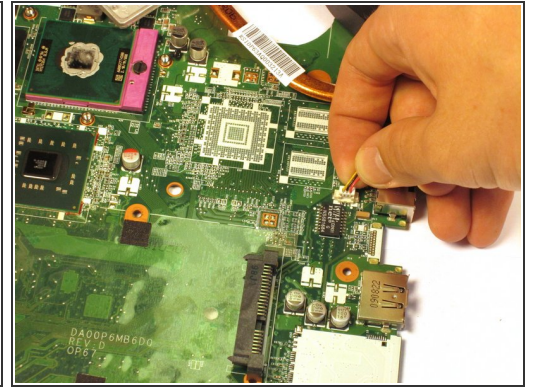
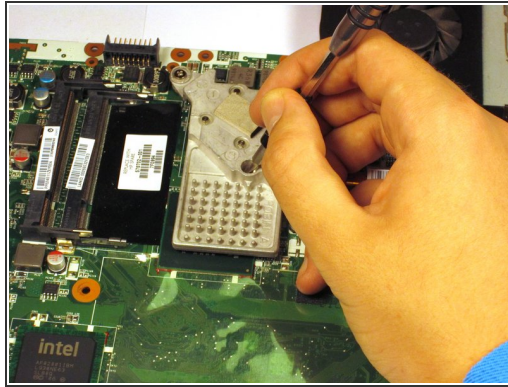
- Disconnect the five cables by gently pulling them from their slots.

Step 12



- Press a metal spudger between the VGA port and the plastic housing to pry up the motherboard.
- Remove the motherboard and turn it so that the fan is facing upward.

Step 13



- Use a Phillips #0 screwdriver to loosen the three screws attaching the heatsink to the motherboard.
- Remove the heatsink and fan assembly by unplugging the fan from the motherboard.

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