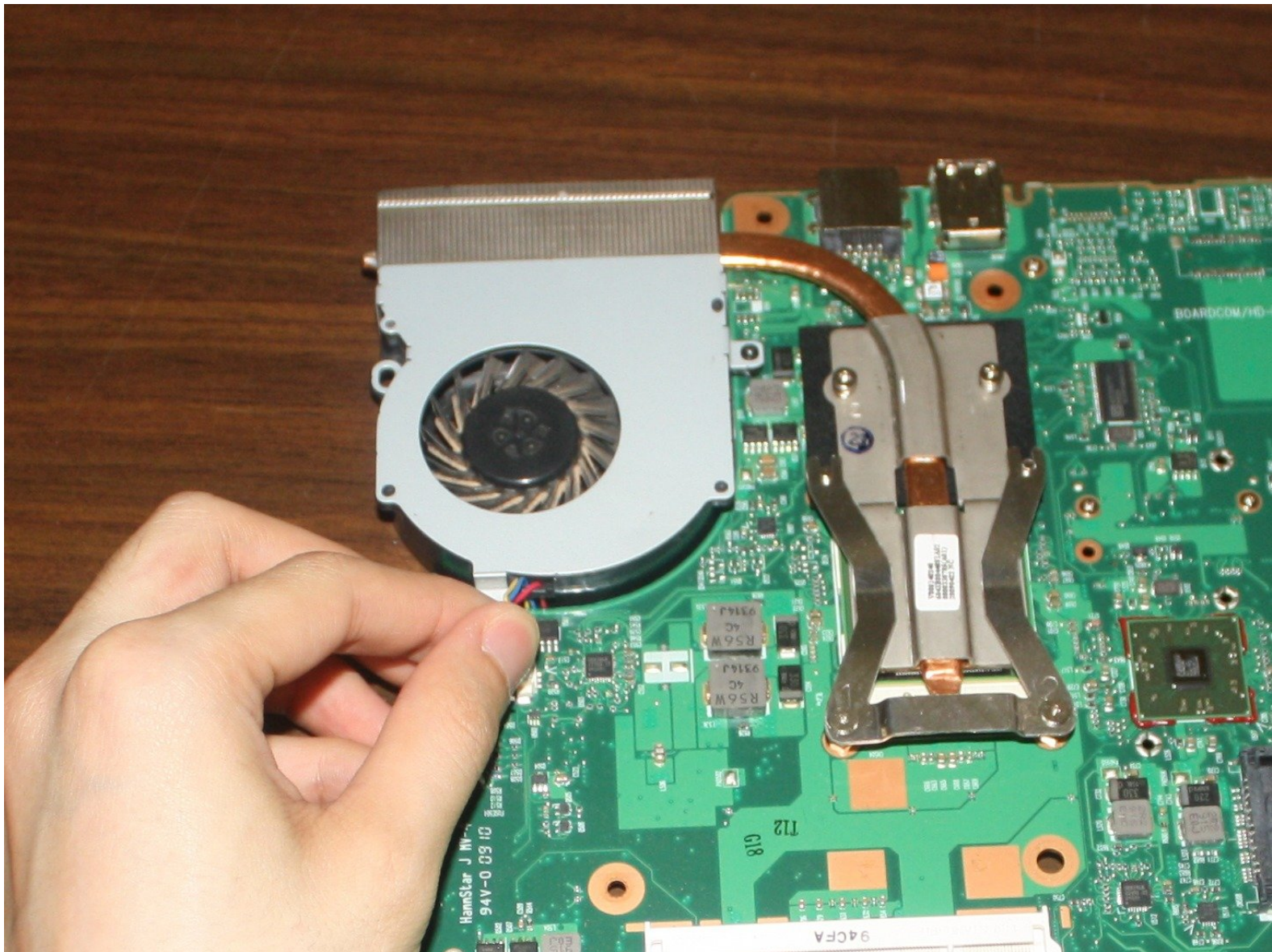




Toshiba Satellite L305D-S5950 Fan Replacement

Replacing the fan in your Toshiba Satellite L305D-S5950. Use this guide to replace the cooling fan in your Toshiba Satellite L305D-S5950.

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INTRODUCTION

In order to replace the fan in your device the hard drive, keyboard, motherboard cover, and the motherboard need to be removed.

The hard drive needs to be removed since it is connected to the motherboard through a hole bottom section of the motherboard case.

The keyboard needs to be removed due to the cable connecting it to the motherboard interfering with the removal of the top part of the motherboard case.



TOOLS:

- [Spudger](#) (1)
 - [Phillips #00 Screwdriver](#) (1)
 - [Phillips #0 Screwdriver](#) (1)
 - [iFixit Opening Tools](#) (1)
-

Step 1 — Battery



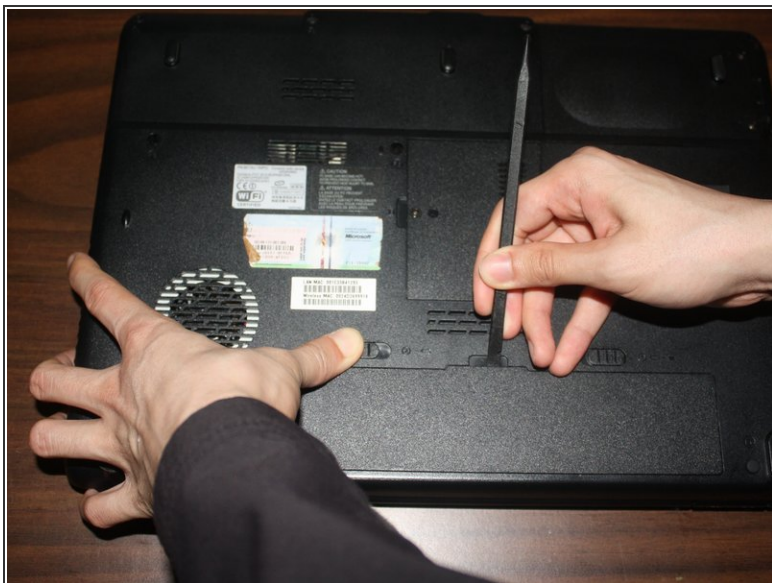
- Locate the two sliding battery locks on the underside of the laptop.

Step 2



- Locate the right battery lock and slide it to the right.

Step 3



- While holding the left battery lock to the left, lift up the battery using the tab located on the top center of the battery.

Step 4



- Remove the battery from the laptop.

Step 5 — Hard Disk Drive



- Unscrew the screws enough to remove the top cover.

Step 6



- Remove the cover by lifting the right side up at an angle before removing the entire cover.

Step 7



- Remove the hard drive from the SATA slot by tugging lightly on the ribbon cable to the right.

Step 8



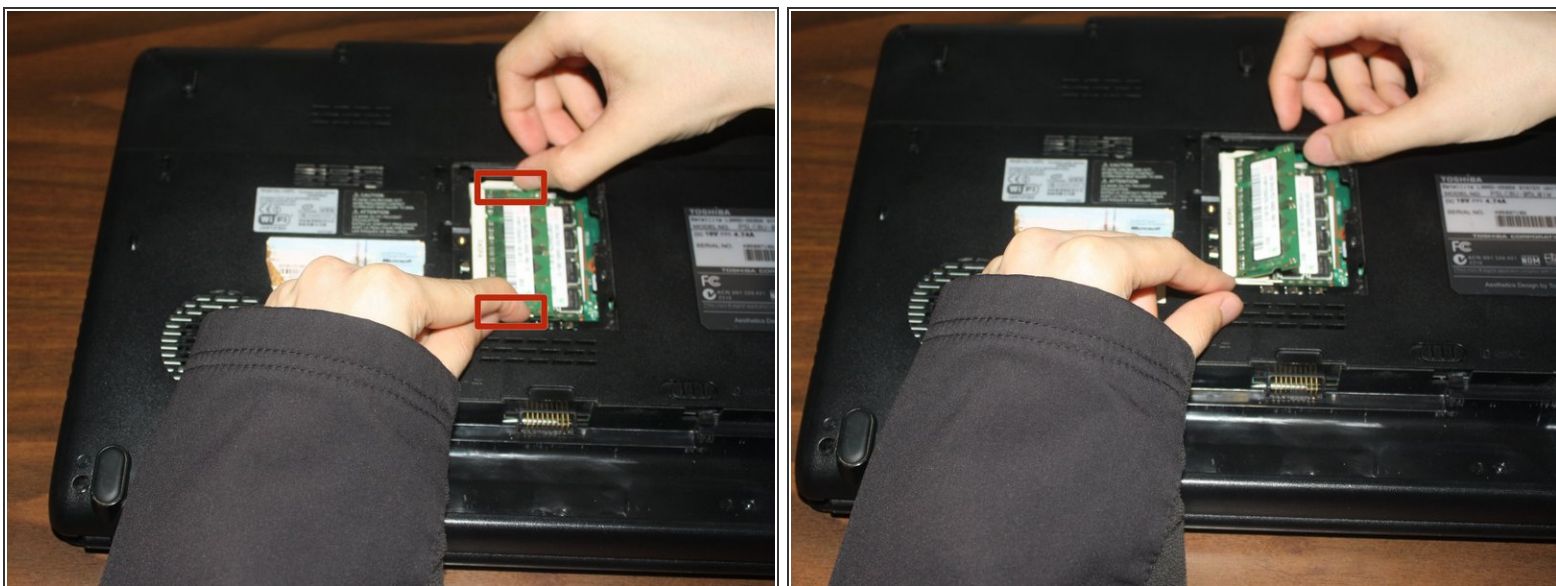
- To separate the hard drive from the caddy, unscrew the two screws.

Step 9 — RAM



- Unscrew the RAM cover and rotate the cover up to remove it. The screw should not be fully removed from the cover itself.

Step 10



- Push the small levers at the sides of the RAM module away from each other. The RAM module should automatically rotate upwards.

Step 11



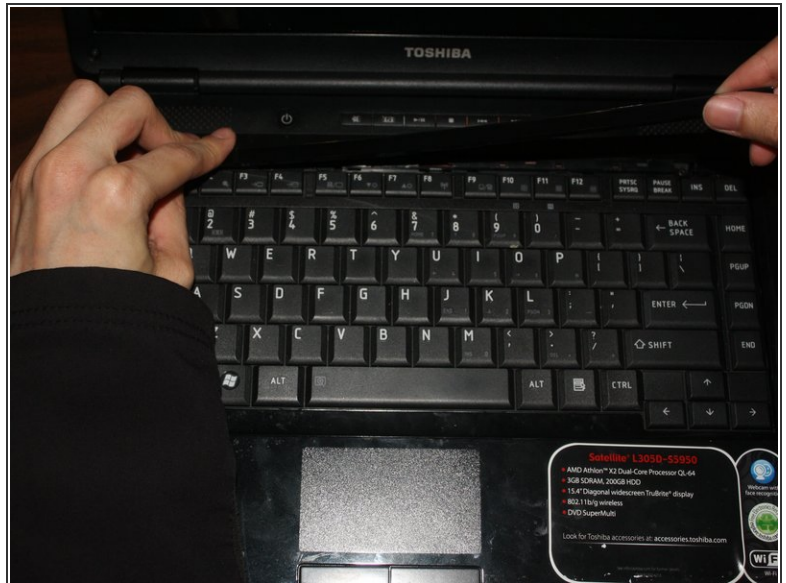
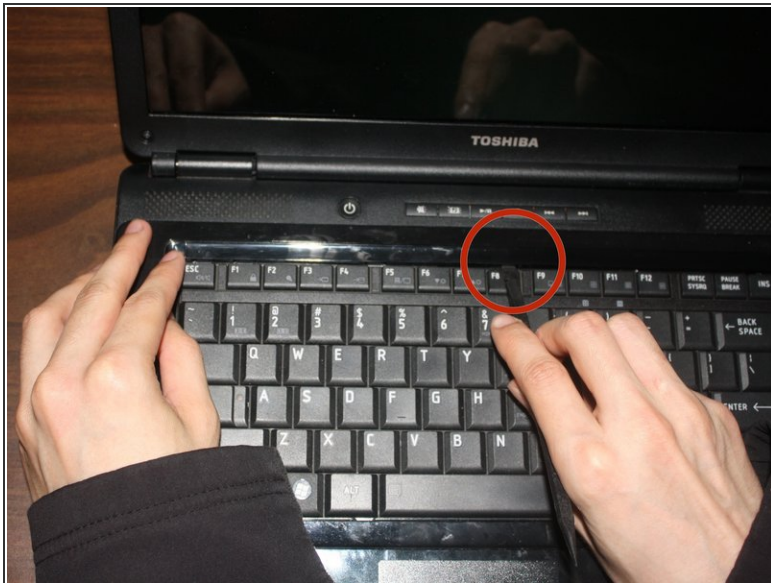
- Remove the RAM module by pulling it out at the angle it was rotated to.

Step 12



- If you want to replace the second RAM module, apply steps 2 and 3 to do so.

Step 13 — Keyboard



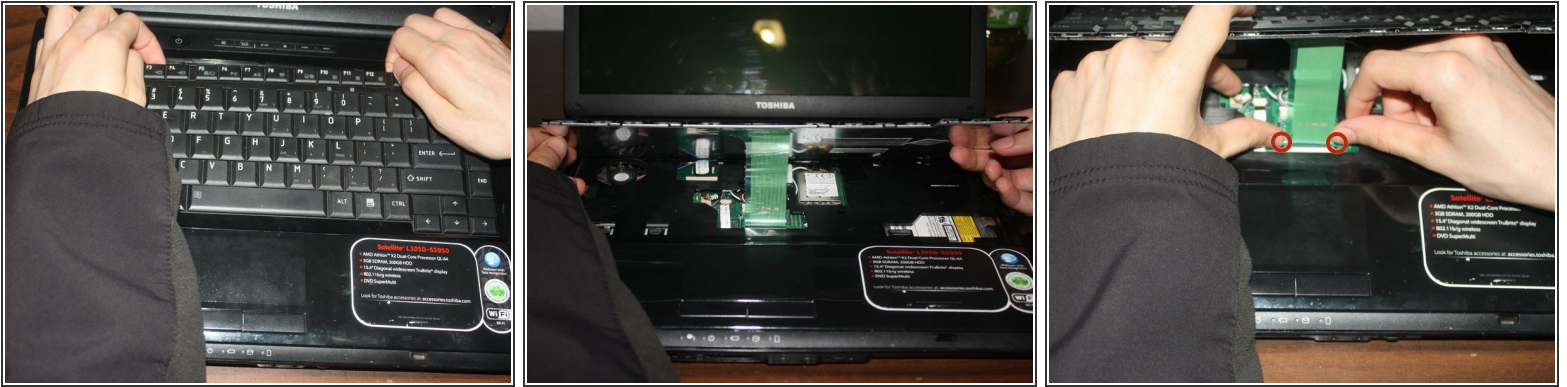
- Locate the plastic strip at the top of the keyboard.
- Use a pry tool to remove the plastic strip.
- Using your hands pull out the rest of the plastic strip.

Step 14



- Use a phillips head #0 screwdriver to remove the two 3.75mm screws holding the keyboard in place.

Step 15



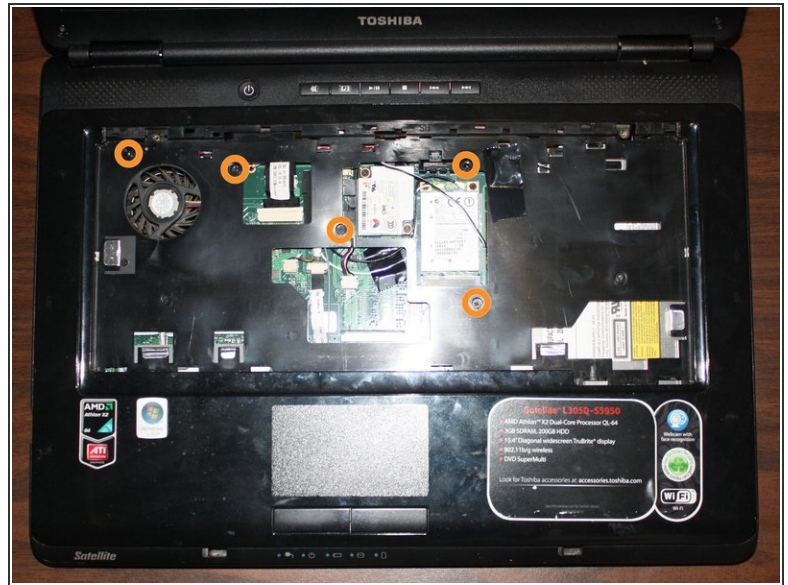
- Lift up the top of the keyboard to remove it.
- ⚠ Under the keyboard there is a ribbon cable connecting the keyboard to the laptop. Do not just quickly pull out the keyboard.
- Unlock the ribbon cable by pushing on the locks that are located on both sides of ribbon cable.
- Unplug the ribbon cable from the laptop.

Step 16



- Remove the keyboard completely from the laptop.

Step 17 — Motherboard Cover



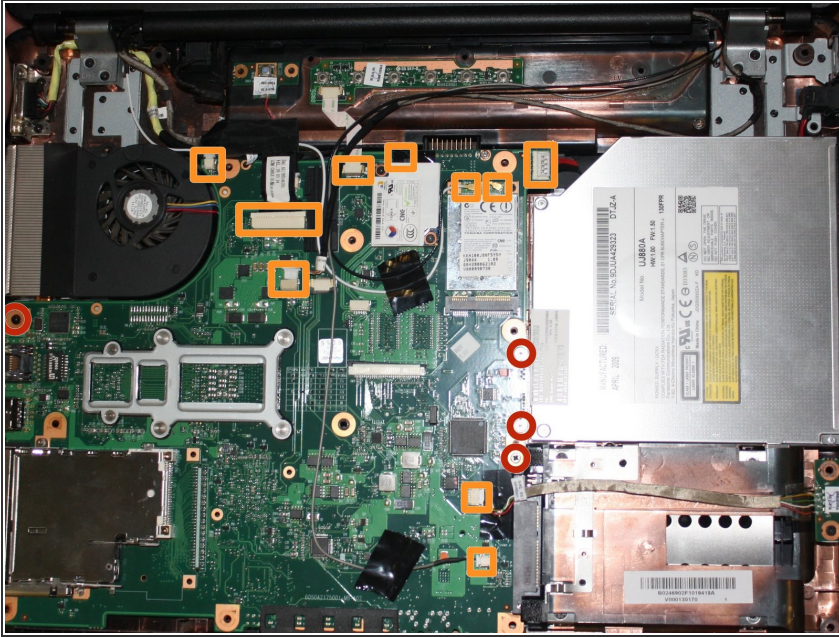
- Remove all 6.75mm screws from the bottom of the laptop. The 3 screws under the battery are 3.75mm.
- Remove all 5.25mm screws from the top of the laptop.

Step 18



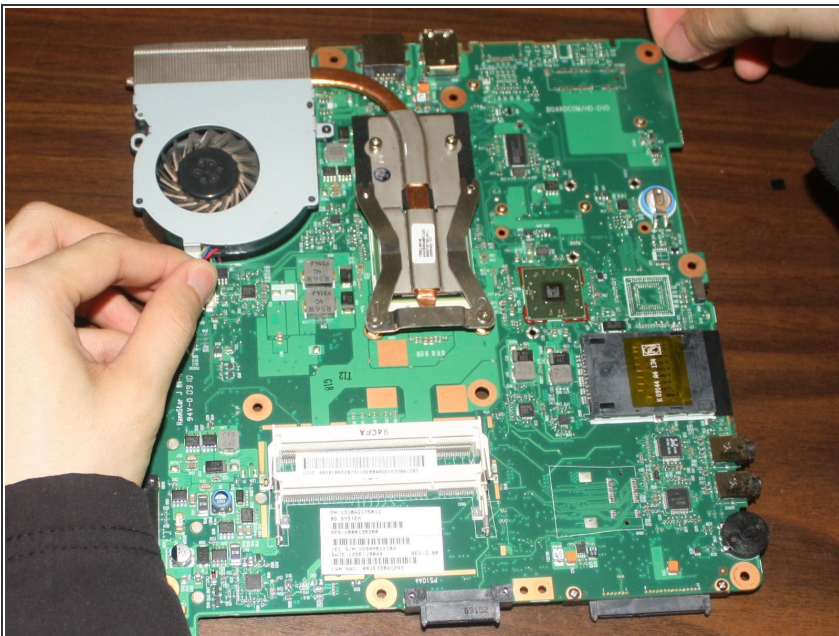
- Unplug the wires highlighted with red squares.
- Using a pry tool and your hands to remove the motherboard cover.

Step 19 — Motherboard



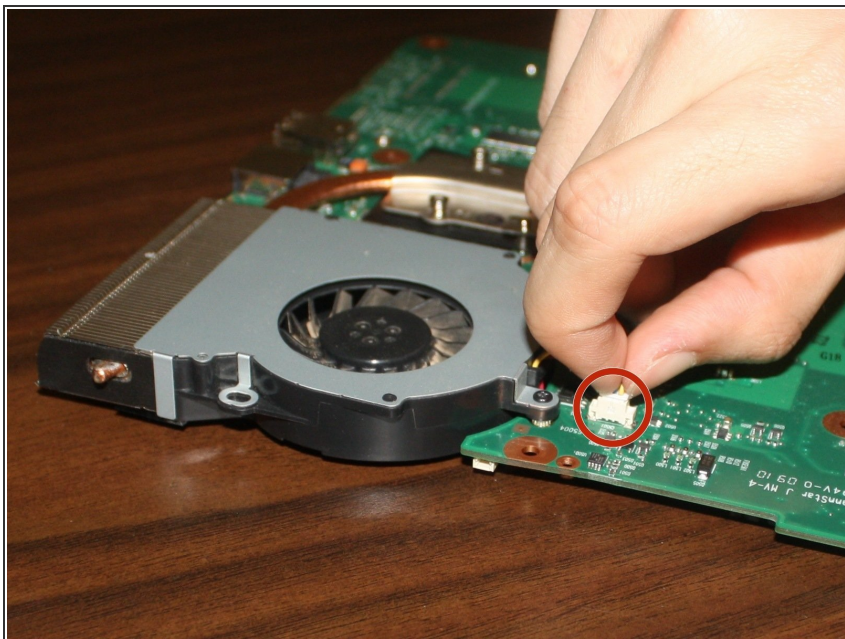
- Unscrew all the screws indicated by the red circles (The bottom two screws are 10.75mm and the top screw is 5mm).
- Unplug all the wires indicated by the orange squares.
- ⓘ Some wires may have a lock on them that needs to be pulled out before the wire is removed.

Step 20



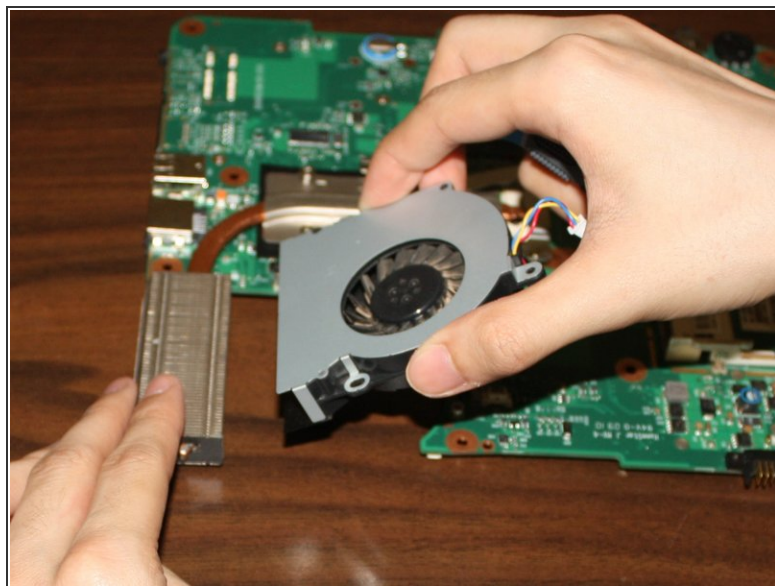
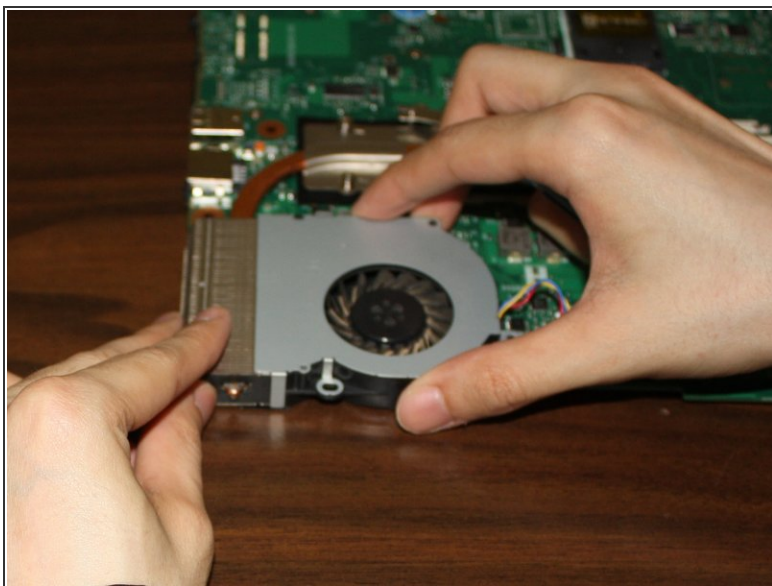
- At this point the motherboard can be fully removed from the laptop.

Step 21 — Fan



- Using your fingers, disconnect the fan power cord from the motherboard.

Step 22



- Using your fingers, disconnect the fan from the heatsink.

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