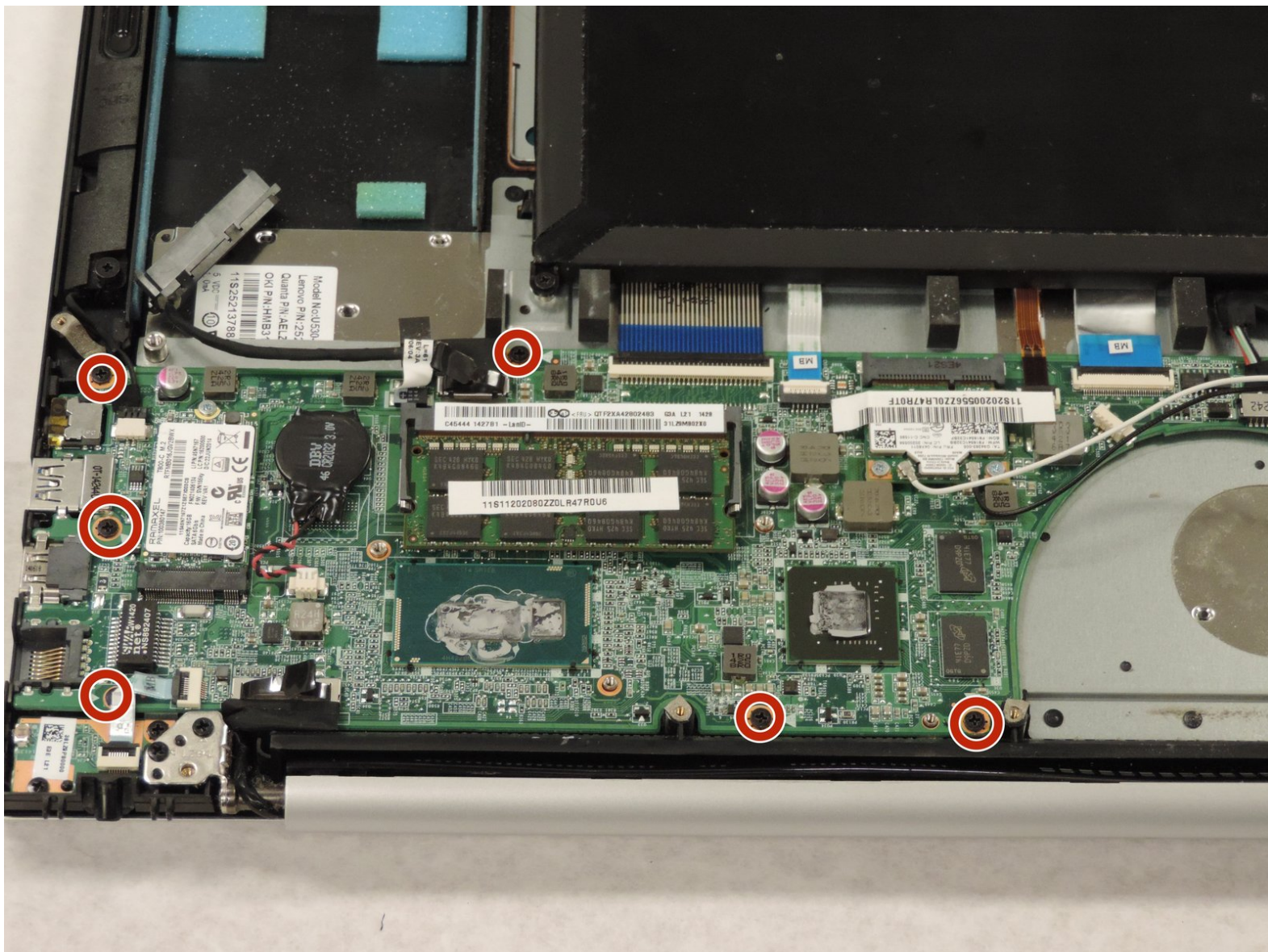




Lenovo IdeaPad U530 Touch Motherboard Replacement

The motherboard holds all of the integrated software and chips that run your device.

Written By: Rebekah Harmon



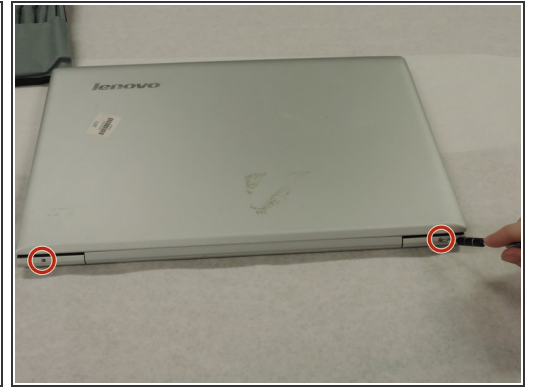
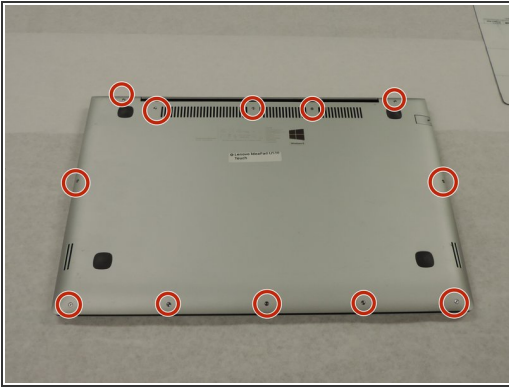
INTRODUCTION

The motherboard is attached to everything in your device, so it is an intensive process to remove it.

TOOLS:

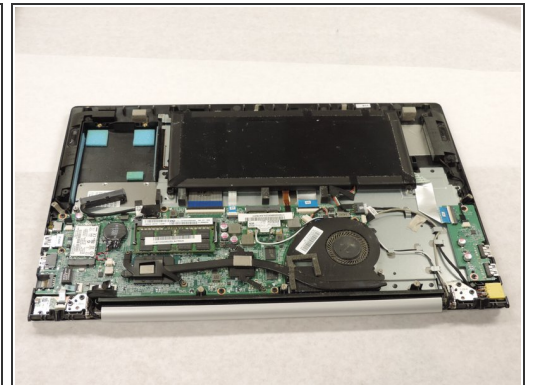
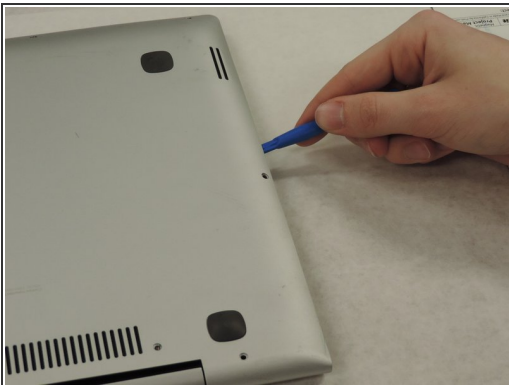
- [Phillips #1 Screwdriver](#) (1)
 - [iFixit Opening Tools](#) (1)
 - [Phillips #000 Screwdriver](#) (1)
 - [Tweezers](#) (1)
-

Step 1 — Fan



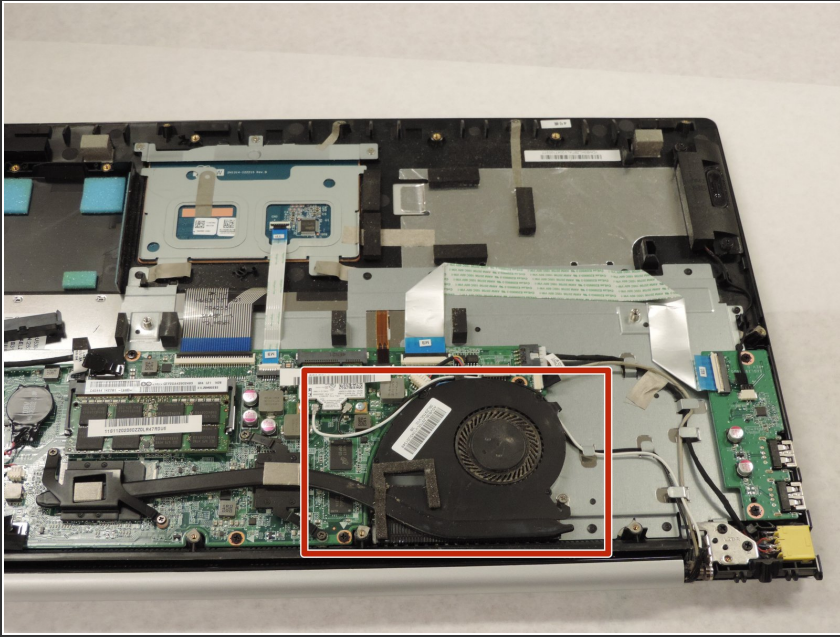
- Remove all of the screws on the back panel with a Phillips #000 screwdriver.
- Turn over the device and remove the two screws on the outside of the hinges.

Step 2



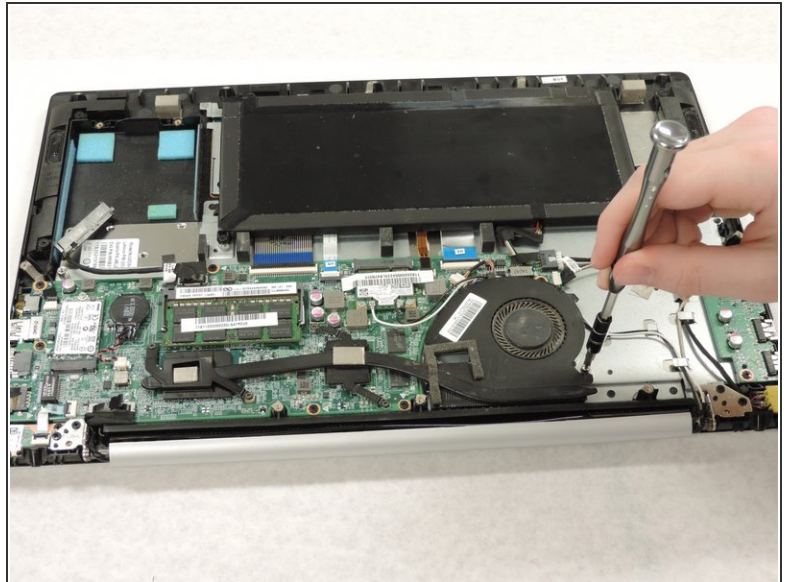
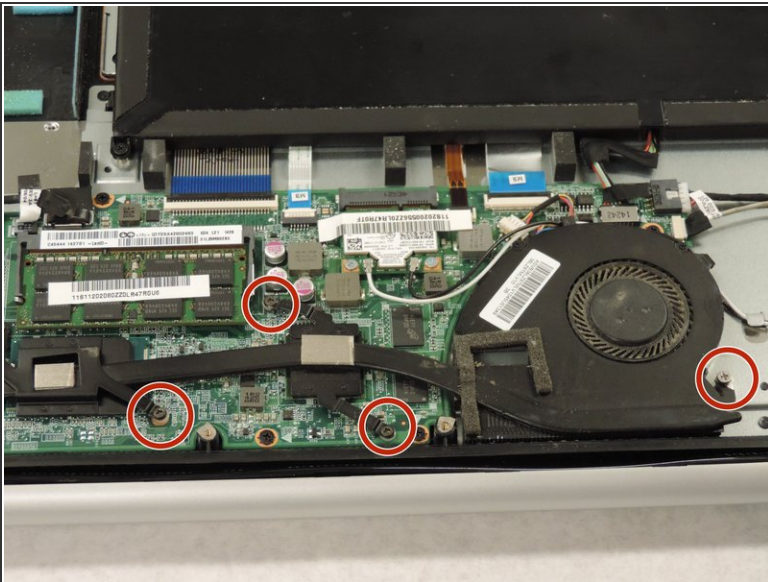
- Use a pry tool or iFixIt Opening tool to separate the back panel from the device.

Step 3



- Locate the fan and associated parts. It will be in the bottom right of the computer pictured. It is black and has an extension heading off toward the left.

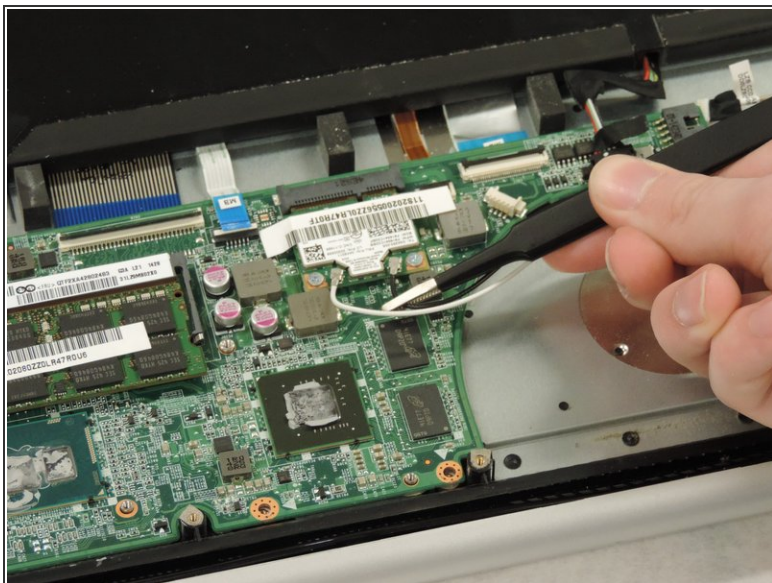
Step 4



- Unscrew the fan casing by using a PH1 size screwdriver head.

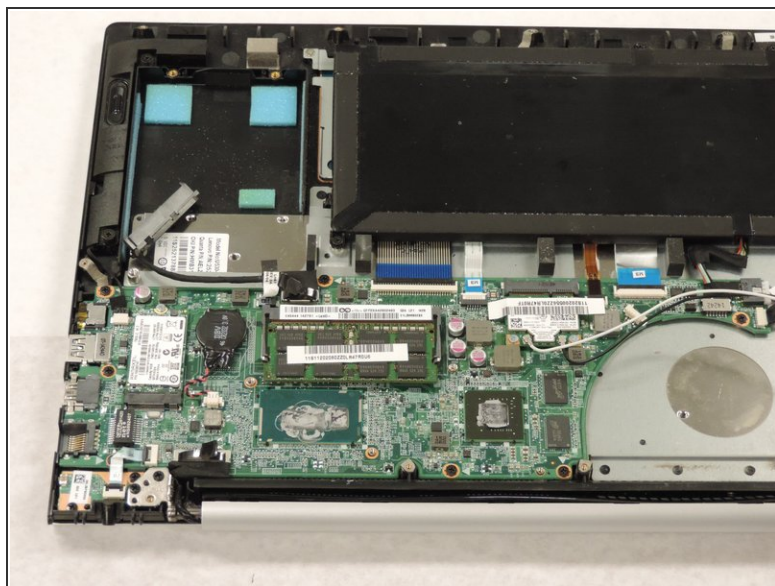
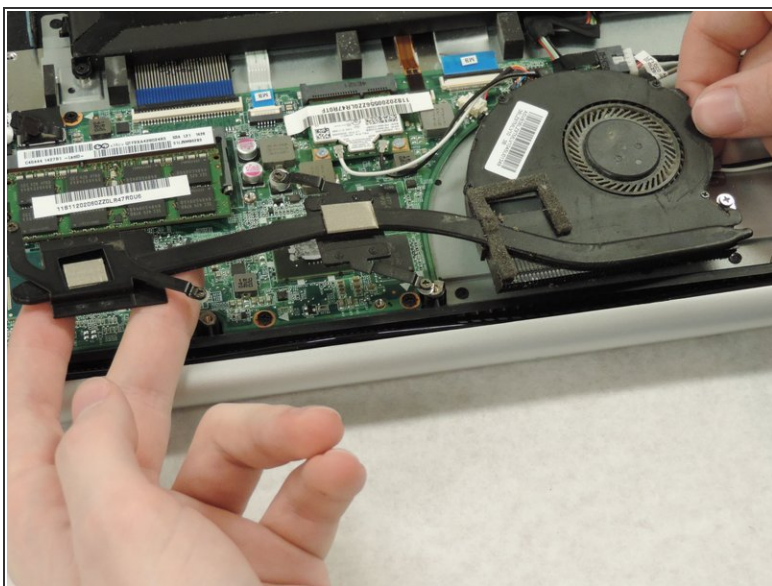
⚠ All fan screws are attached to the fan apparatus, so do not attempt to separate them after unscrewing them.

Step 5



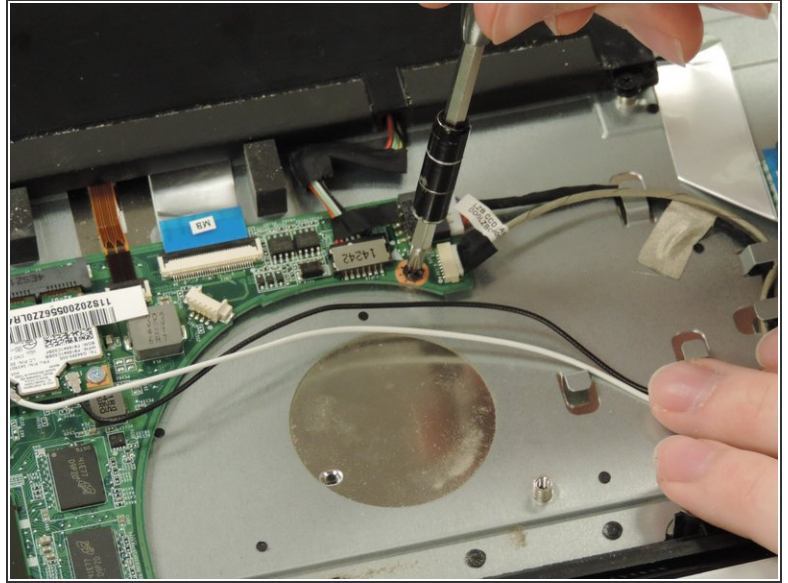
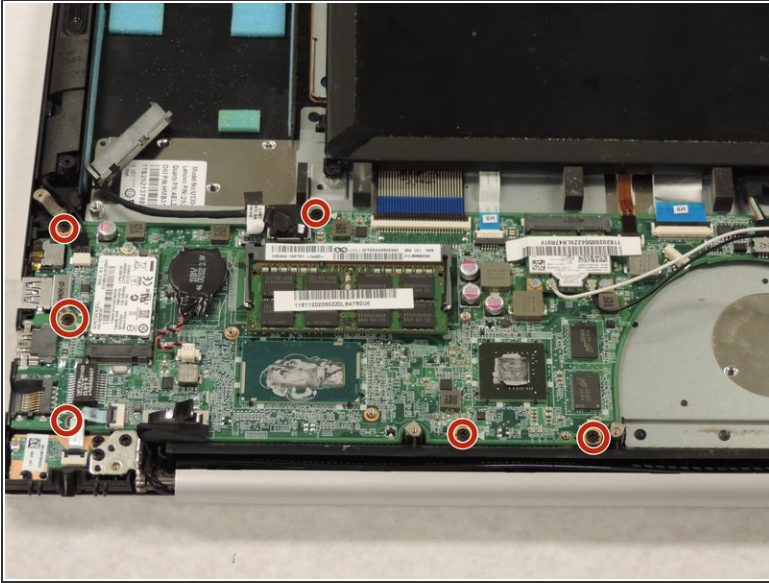
- Remove the black and white wires connecting the fan to the network adapter.

Step 6



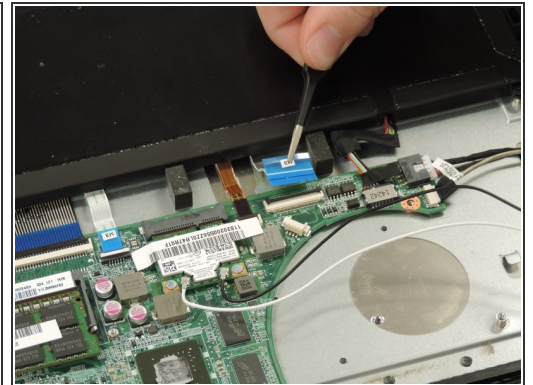
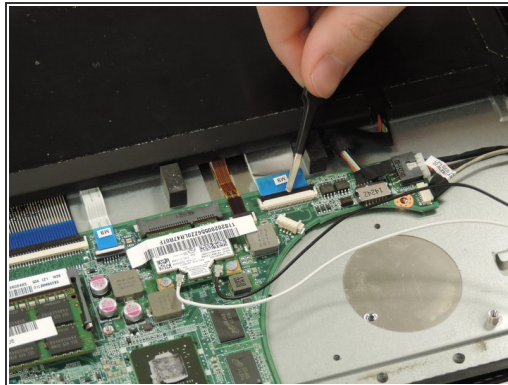
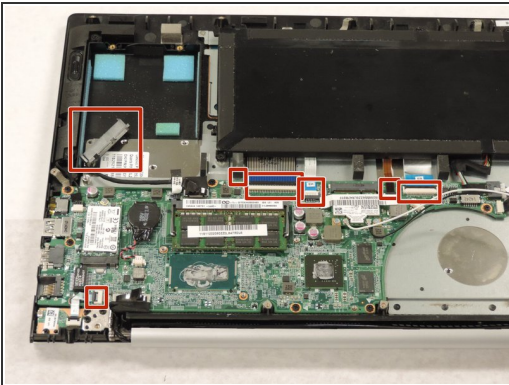
- Lift the fan straight out of the casing.

Step 7 — Motherboard



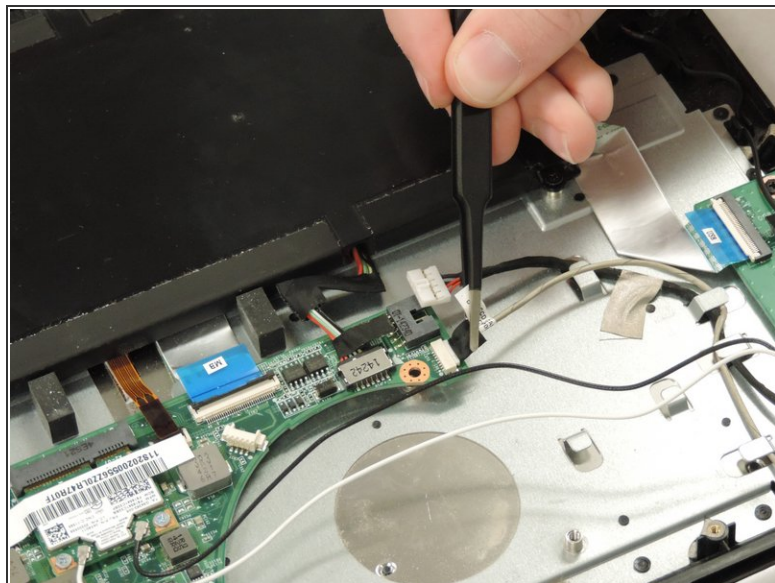
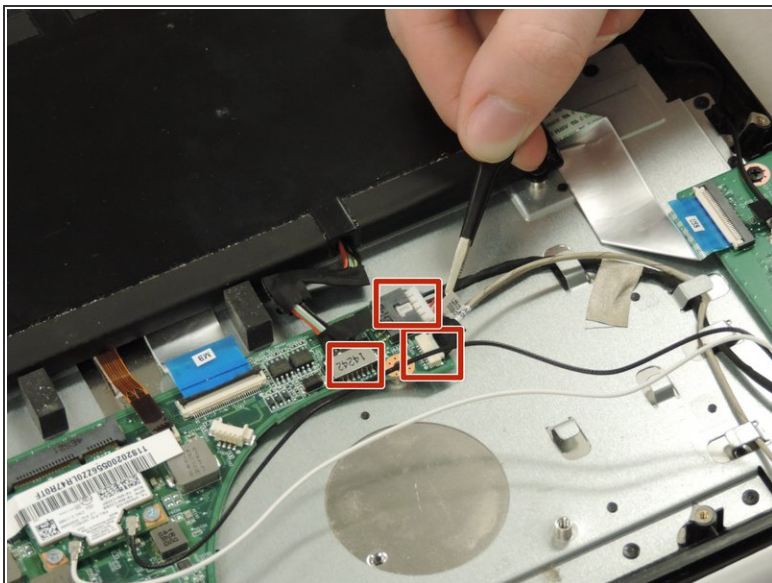
- Remove all of the black screws that attach the motherboard to the casing. The screws are all black with a yellow circle around them.

Step 8



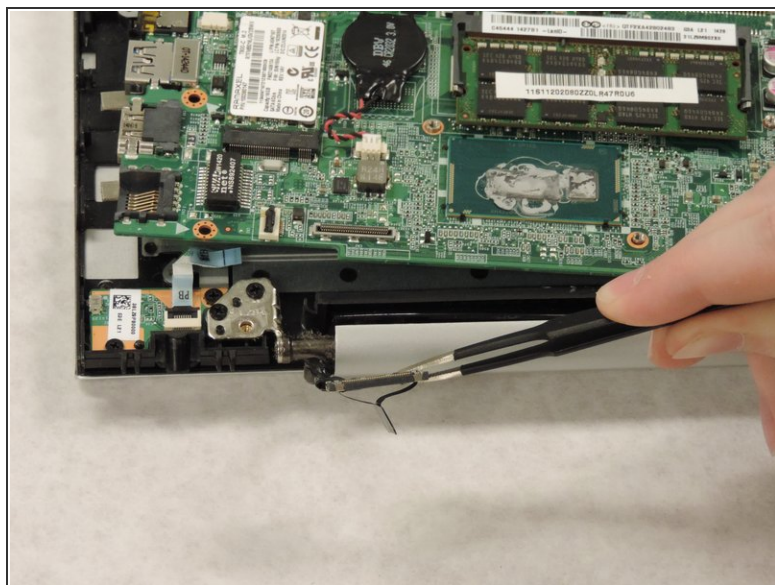
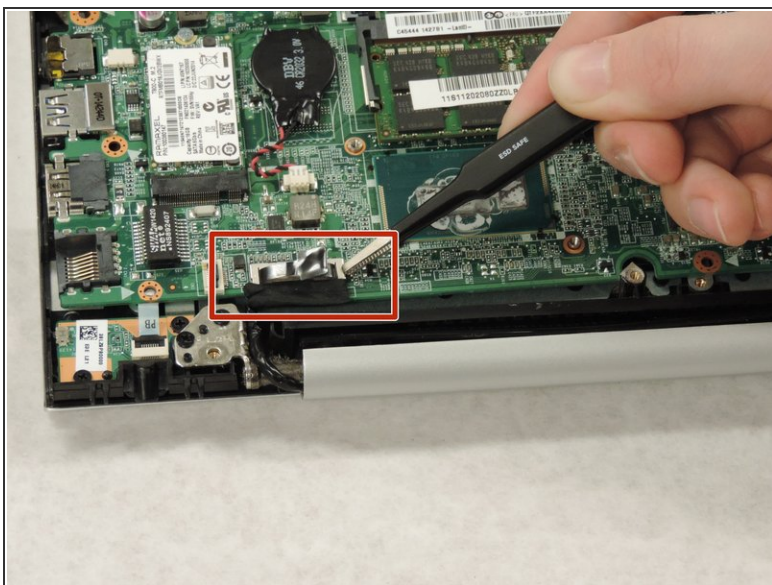
- Remove all of the ribbons that are attached to the motherboard. Several of them have a black tab at the connector; lift that before pulling out the ribbon.
- If your machine has a hard drive in the top left corner instead of a solid state drive, unplug it from the motherboard.

Step 9



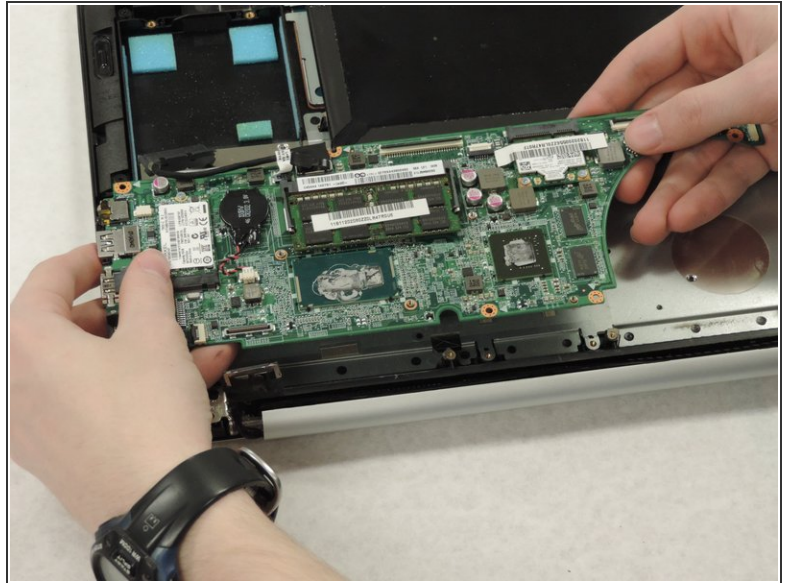
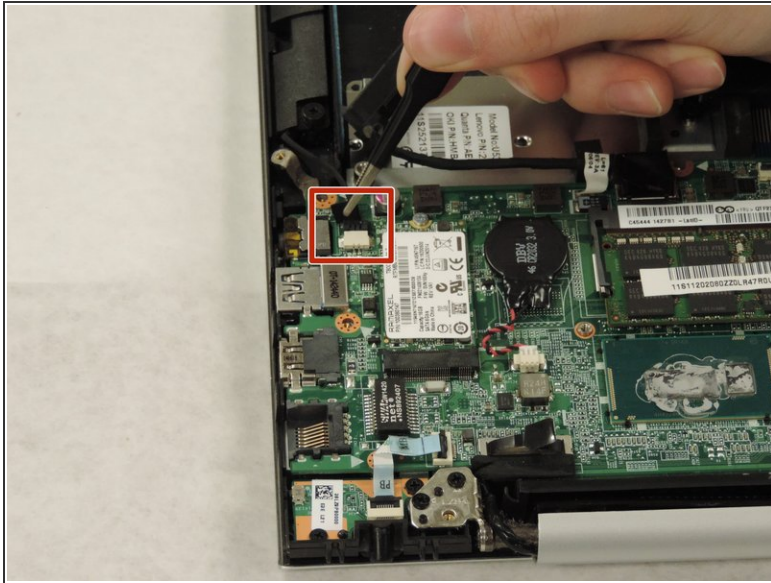
- Remove the 3 plugs in the top right corner of the motherboard with a pair of tweezers. When possible, pull on the black tabs attached the wires to prevent any damage to the plugs.

Step 10



- Remove the power button cable with a pair of tweezers.

Step 11



- Unplug the final plug in the top left corner of the motherboard.
- Lift the motherboard straight up out of the casing.

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