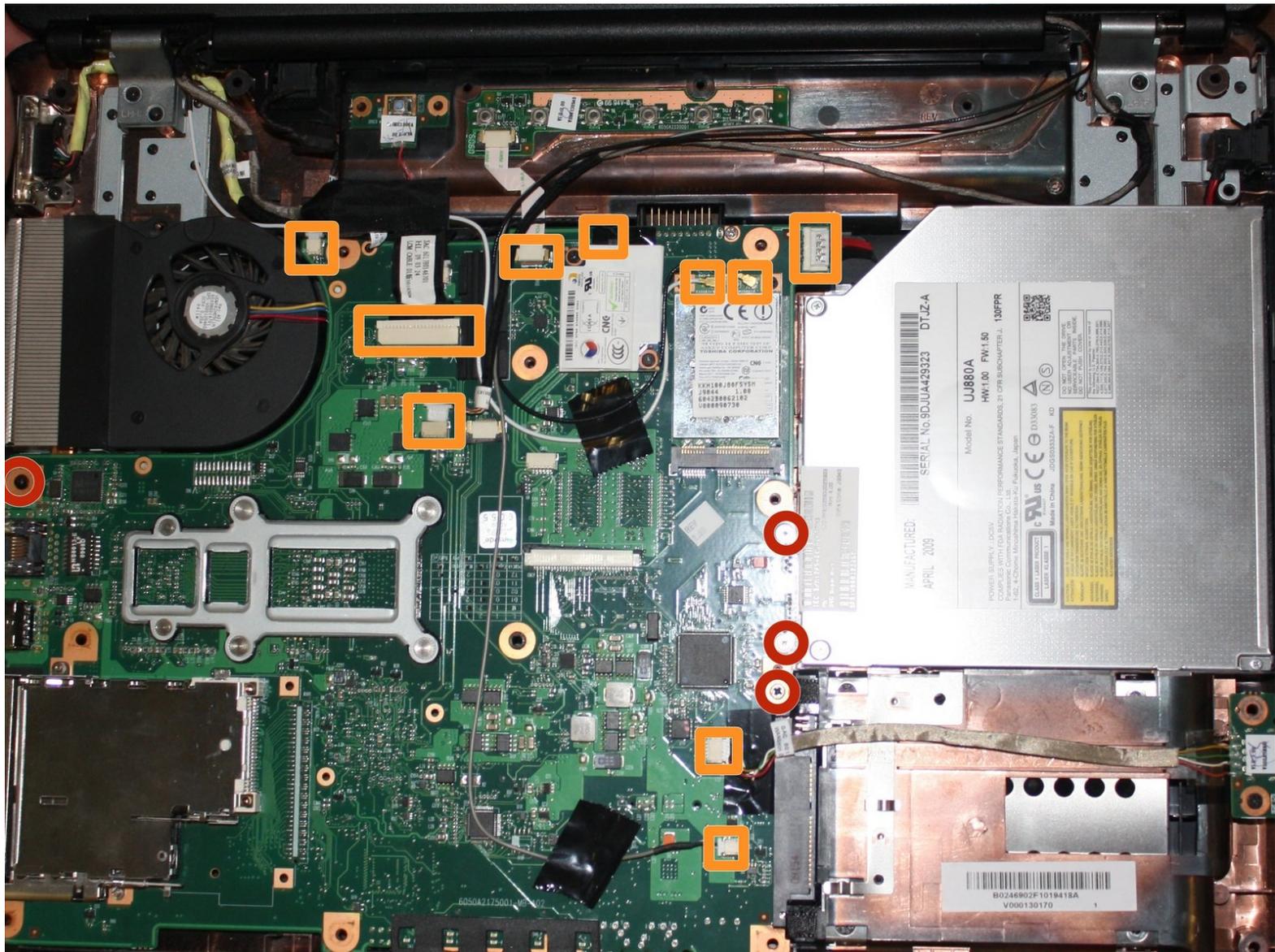




# Toshiba Satellite L305D-S5950 Motherboard Replacement

Use the following guide to remove or replace the motherboard in your Toshiba Satellite L305D-S5950. This guide serves as a prerequisite for the fan replacement guide.

Written By: William



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## INTRODUCTION

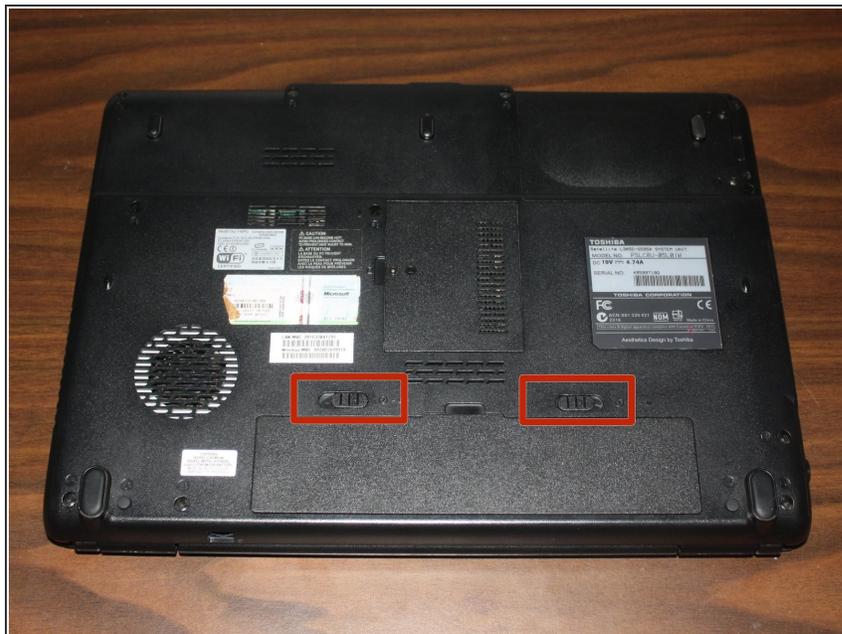
In order to replace the motherboard the hard drive, RAM, keyboard and motherboard cover need to be removed.

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### TOOLS:

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



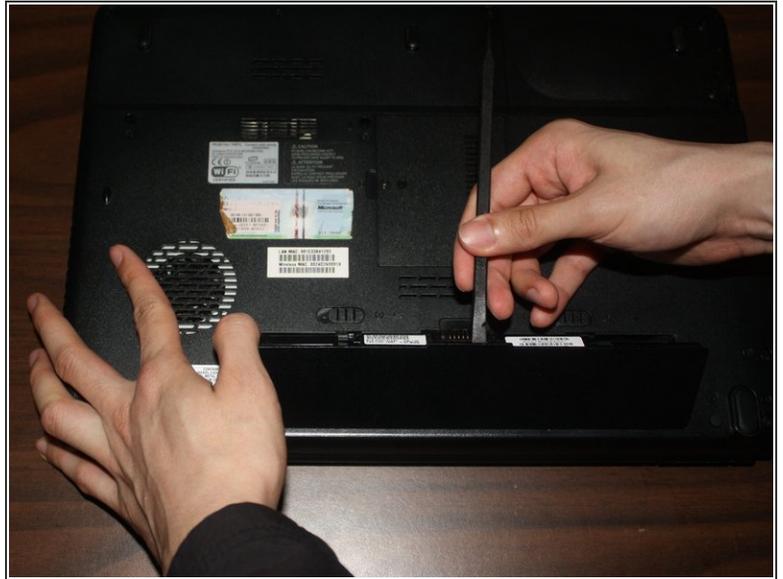
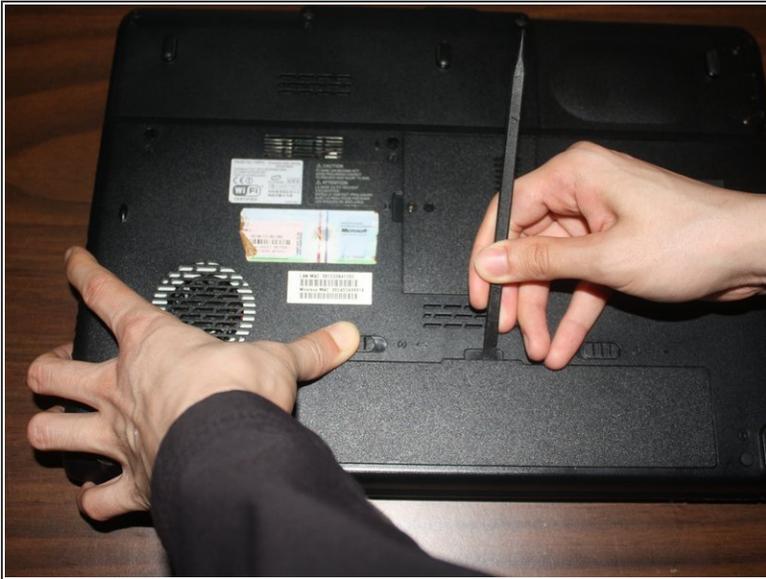
- Locate the two sliding battery locks on the underside of the laptop.

## 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



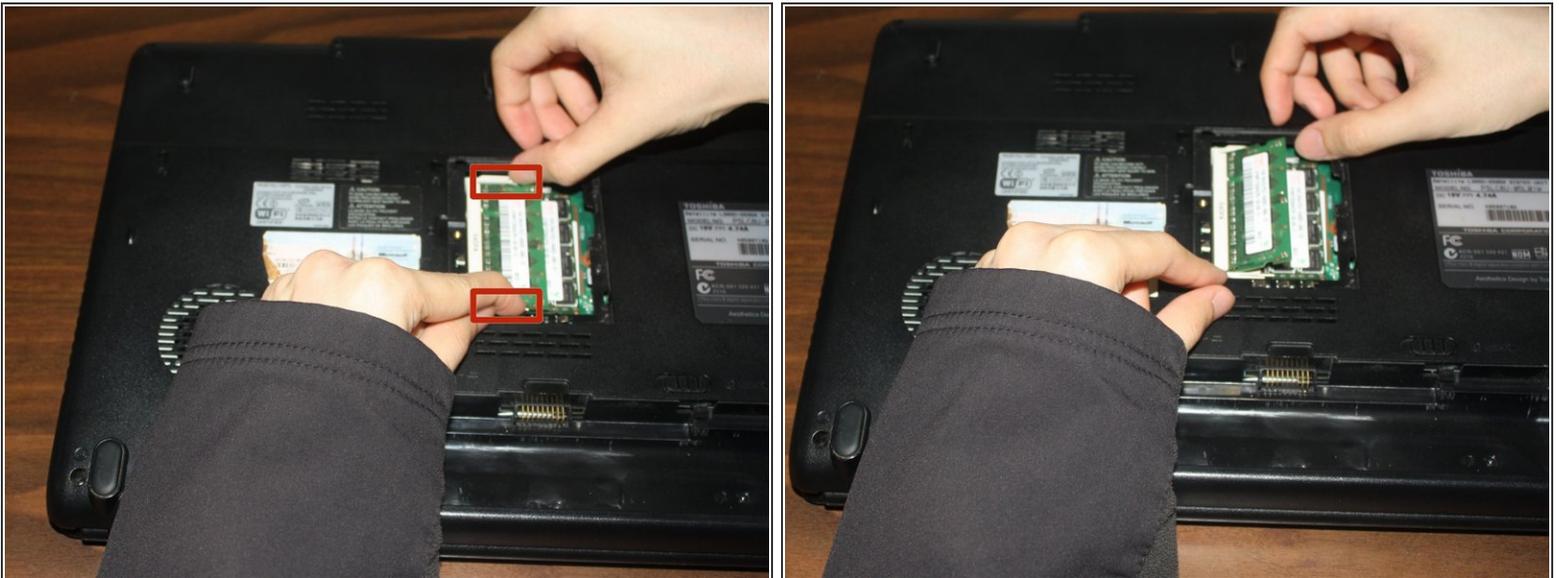
- To separate the hard drive from the caddy, unscrew the two screws.

## Step 9 — RAM



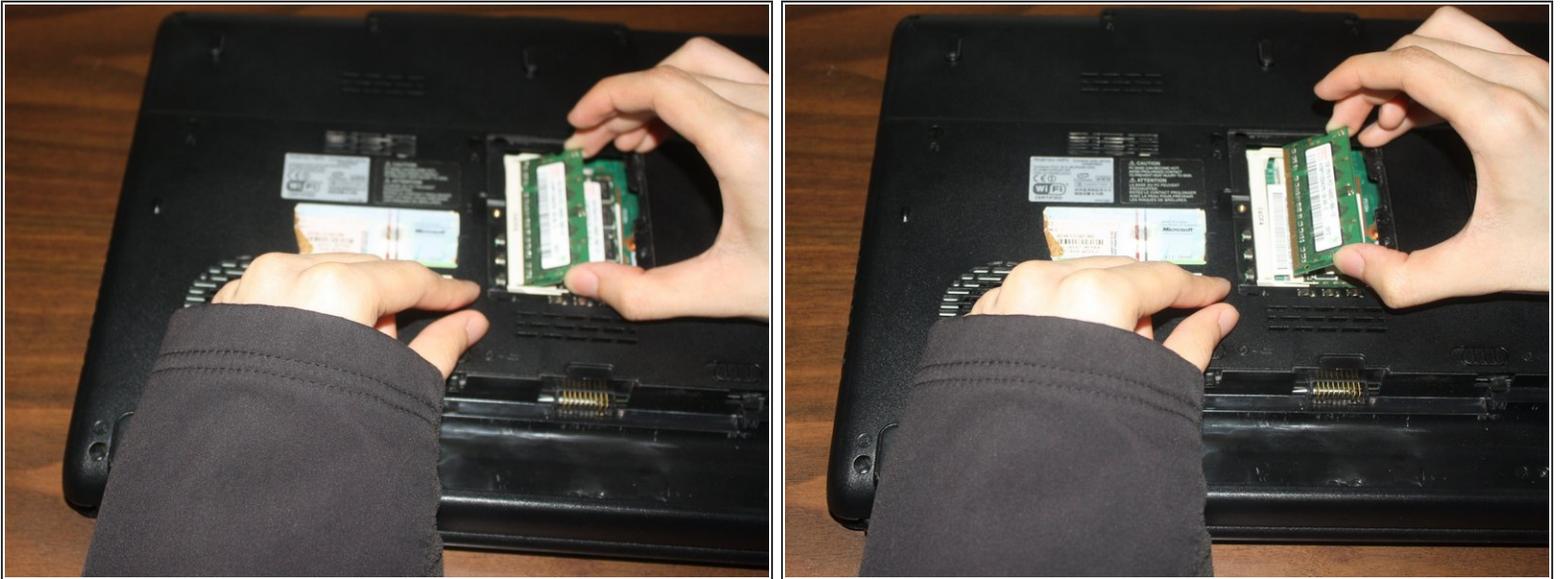
- Unscrew the RAM cover and rotate the cover up to remove it. The screw should not be fully removed from the cover itself.

## Step 10



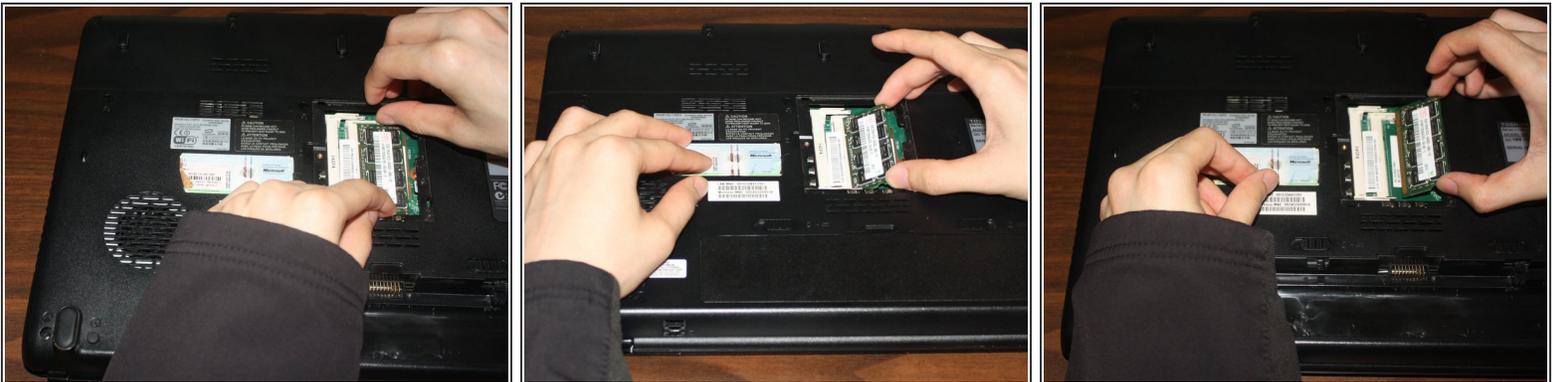
- Push the small levers at the sides of the RAM module away from each other. The RAM module should automatically rotate upwards.

## Step 11



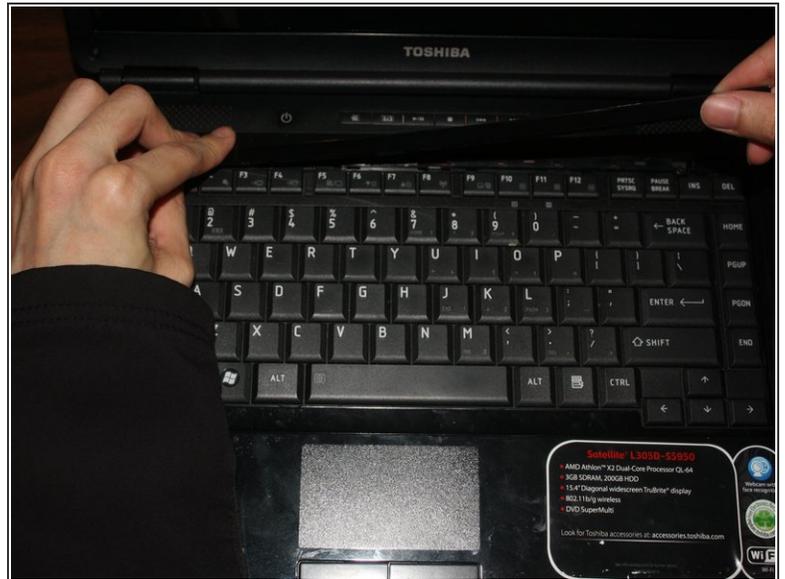
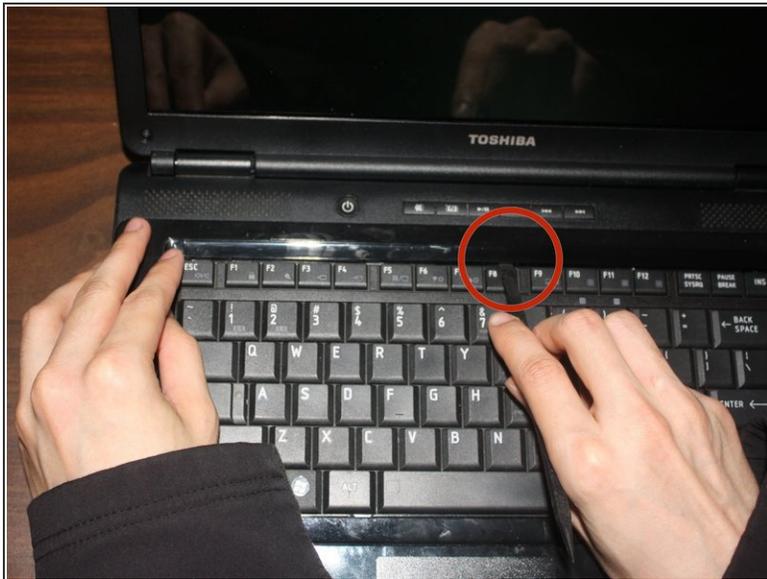
- Remove the RAM module by pulling it out at the angle it was rotated to.

## Step 12



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

## Step 13 — Keyboard



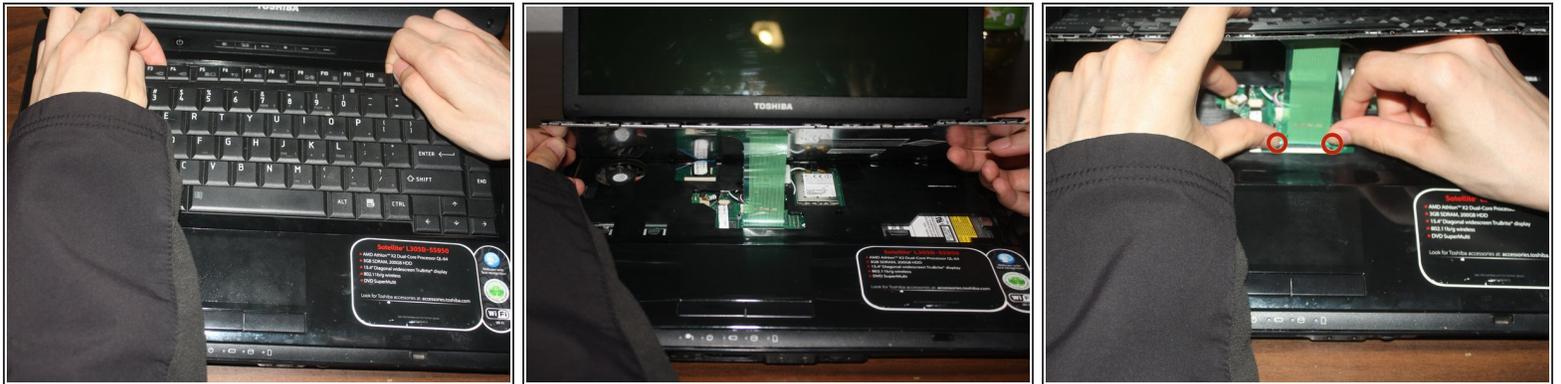
- Locate the plastic strip at the top of the keyboard.
- Use a pry tool to remove the plastic strip.
- Using your hands pull out the rest of the plastic strip.

## 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



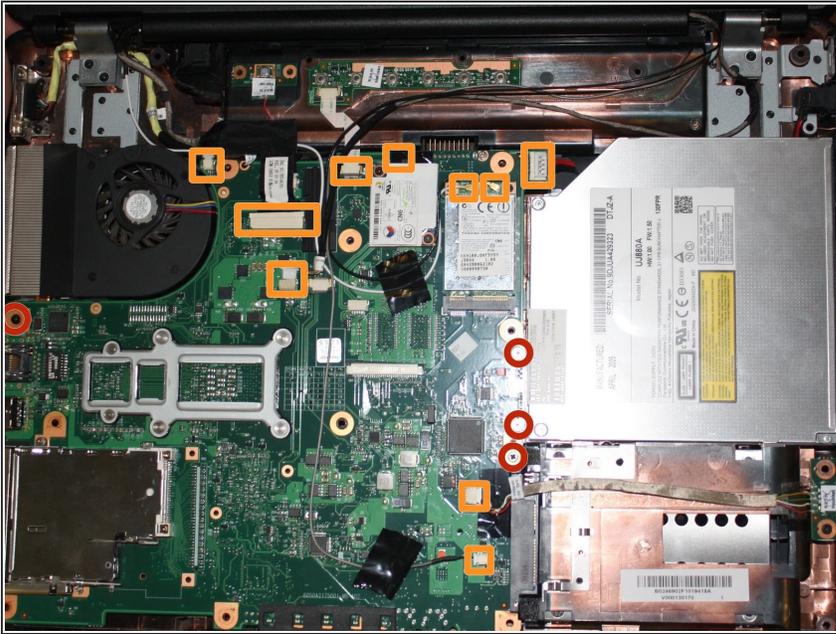
- Remove all 6.75mm screws from the bottom of the laptop. The 3 screws under the battery are 3.75mm.
- Remove all 5.25mm screws from the top of the laptop.

## Step 18



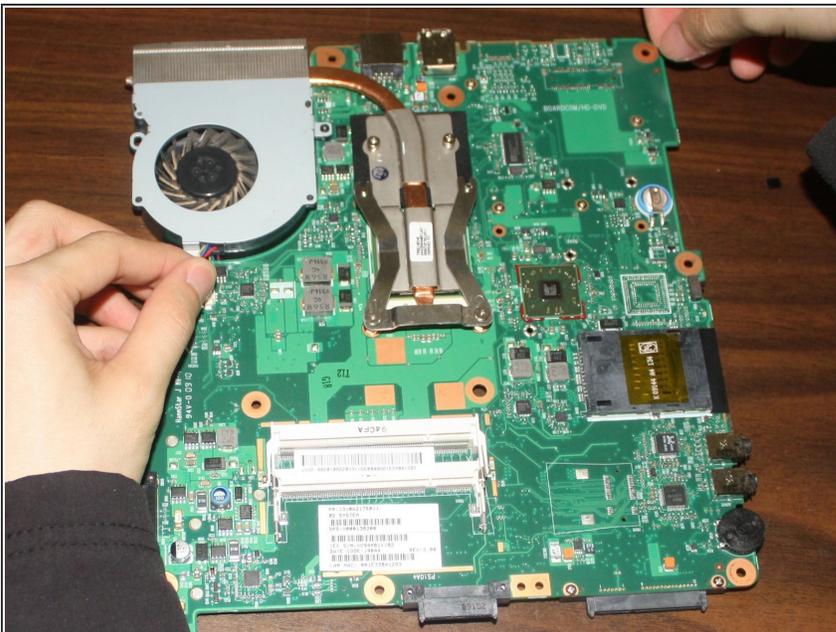
- Unplug the wires highlighted with red squares.
- Using a pry tool and your hands to remove the motherboard cover.

## 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.

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