# HP TouchSmart 15-r015dx RAM Replacement
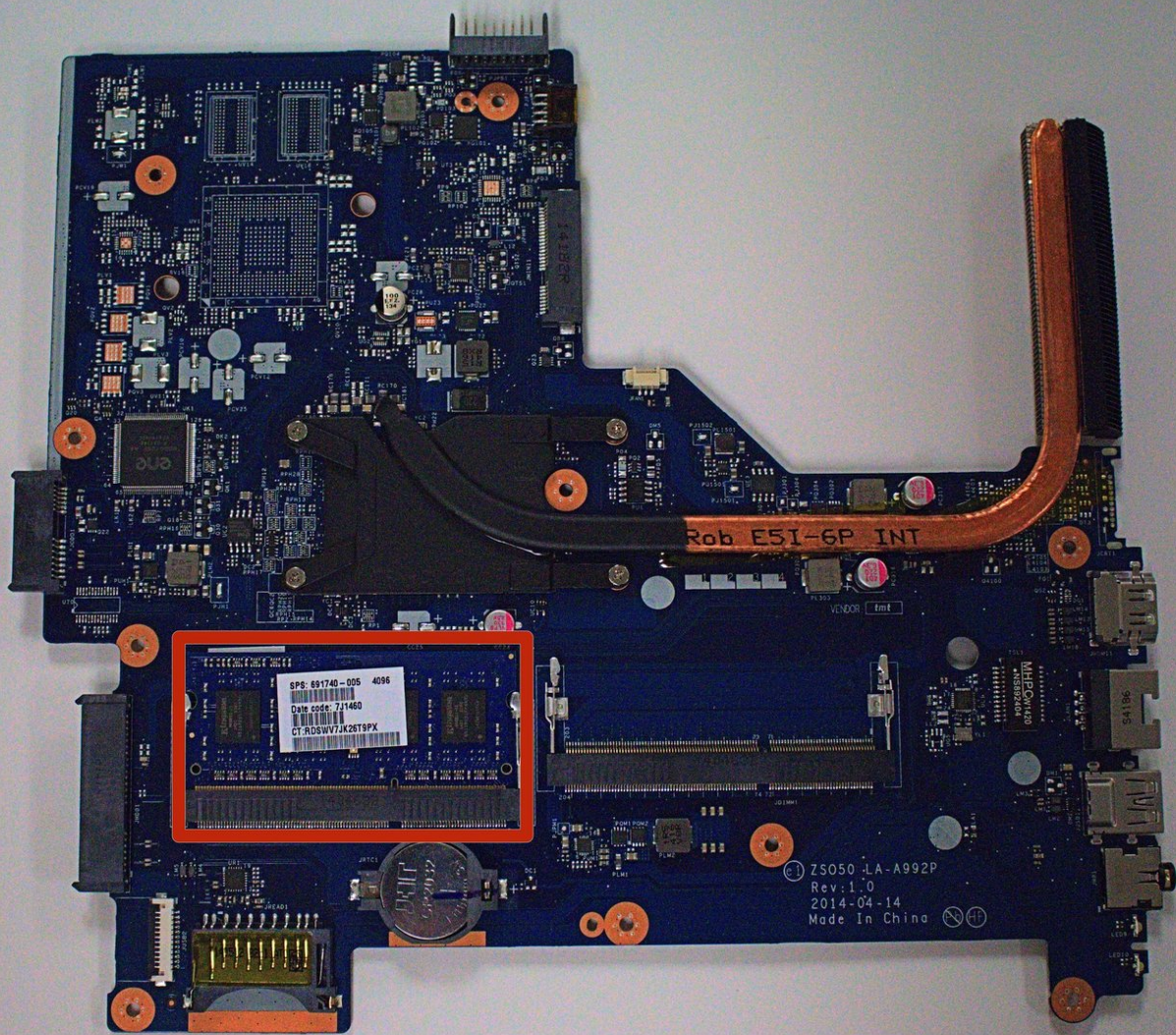
This guide will show you how to replace your HP TouchSmart 15 RAM.

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www.iFixit.com

# INTRODUCTION

The HP TouchSmart 15-r015dx has 4 GB of RAM.

## ⚙ TOOLS:

- iFixit Opening Tools (1)
- Phillips #00 Screwdriver (1)

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## Step 1 — Battery



- Turn off your laptop.

⚠ Ensure your laptop is off. Removing the battery while it is on may harm your laptop.

- Flip upside down in order to access the battery.

## Step 2



- There are two battery release switches located under the battery.

- Slide both switches inward to release the battery.

## Step 3

- Remove the battery.

- (i) The release switches may need to be pushed inward while removing the battery.
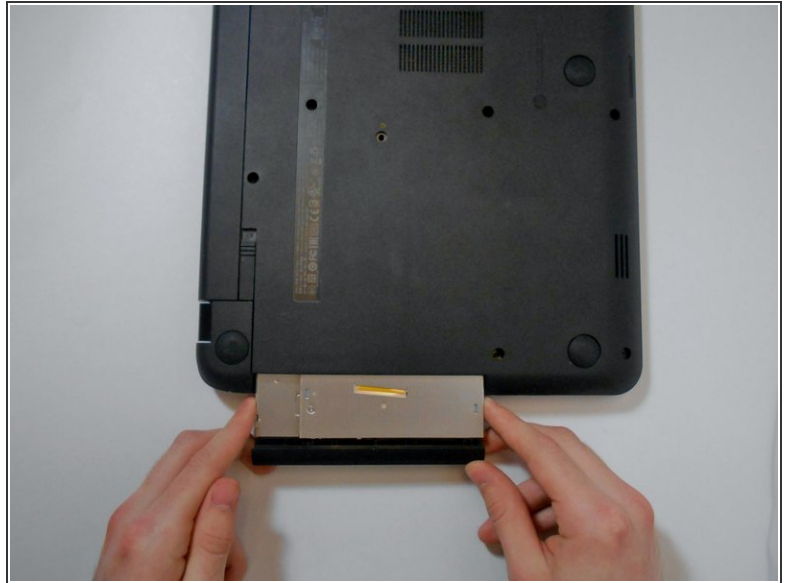
## Step 4 — DVD±RW Drive

- Turn off your laptop.

- ⚠ Ensure your laptop is off. Removing the DVD±RW Drive while it is on may harm your laptop.

- Flip upside down in order to access the DVD±RW Drive.

## Step 5



- There is 1 (one) screw holding the DVD±RW Drive in place.

- Use your screwdriver to remove the screw.

- ⓘ Be careful not to lose the screw.

## Step 6



- The DVD±RW Drive is here.

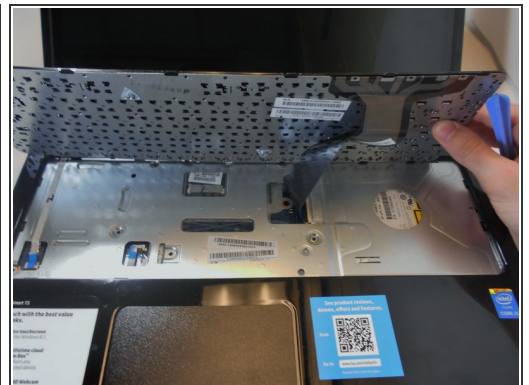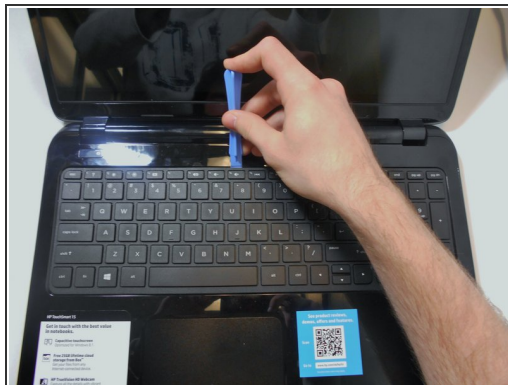- Remove the DVD±RW Drive by gently pulling it straight out.

## Step 7 — Keyboard



- Turn off your laptop.

⚠️ Ensure your laptop is off. Removing the keyboard while it is on may harm your laptop.
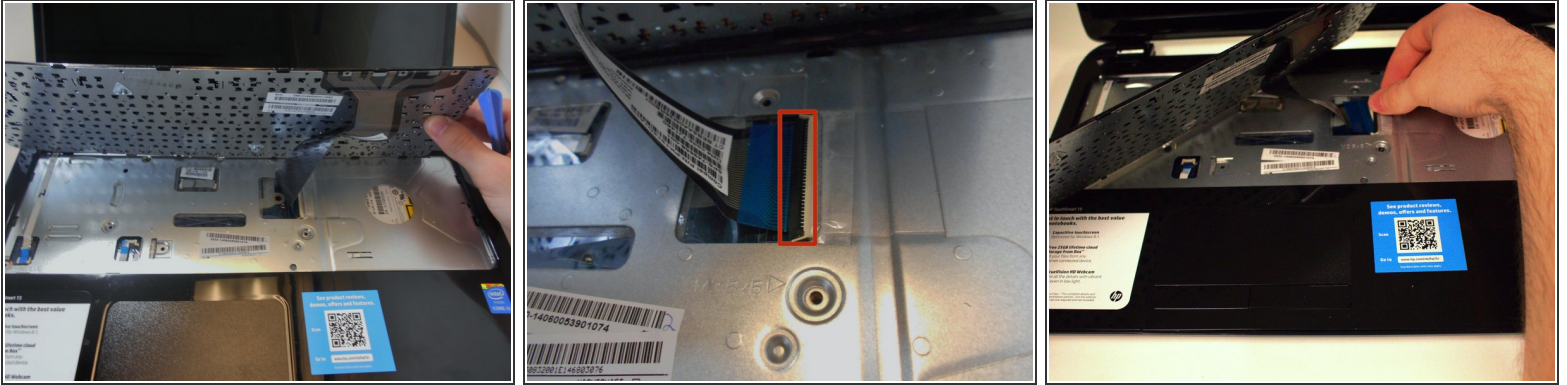
- Flip upside down in order to release the keyboard.

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## Step 8



- Remove the two Phillips screws securing the keyboard.
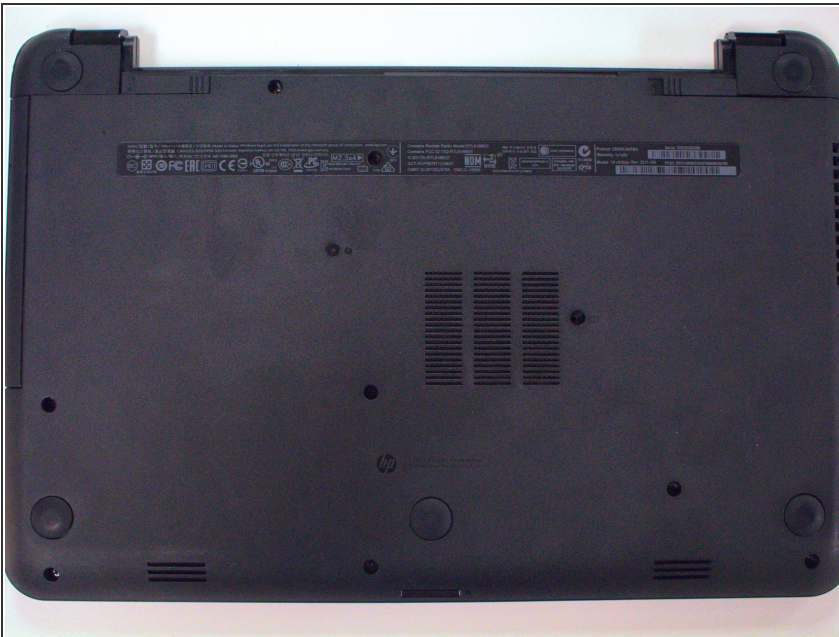  - ⓘ One of the screws lies on/under the label.

## Step 9



- Flip the laptop back over and pull the screen up.

- There are 16 (sixteen) latches holding the keyboard in place.

- Gently pry the keyboard up using your plastic opening tool.

⚠ Don't pull the keyboard up more than 2-3 inches as there is a film-material connecting the keyboard to the laptop.

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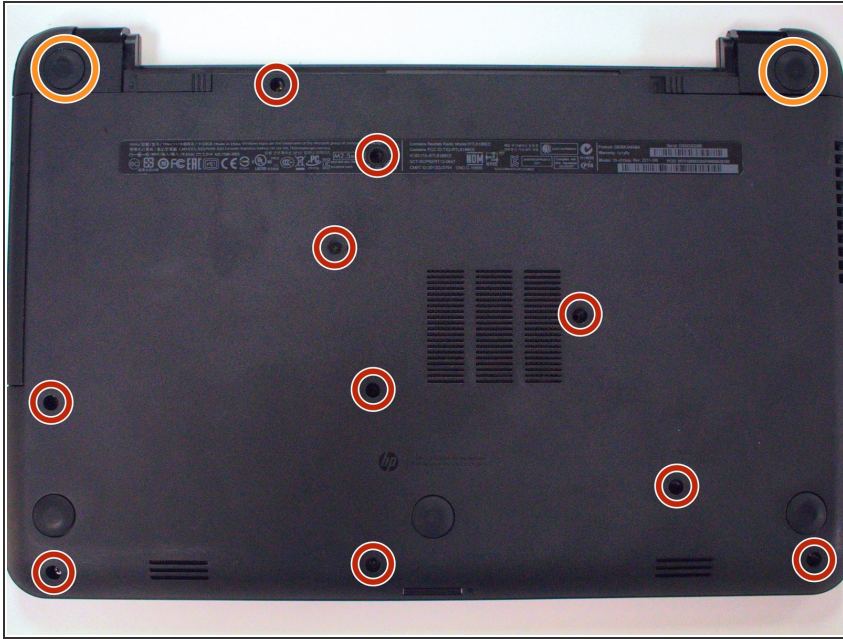
## Step 10



- There is a film-material connecting the laptop to the keyboard.

- There is a small black latch holding the film-material in place.

- Flip the black latch up to release the film-material.

- Once flipped up, simply pull the film-material out from the laptop to release the keyboard.
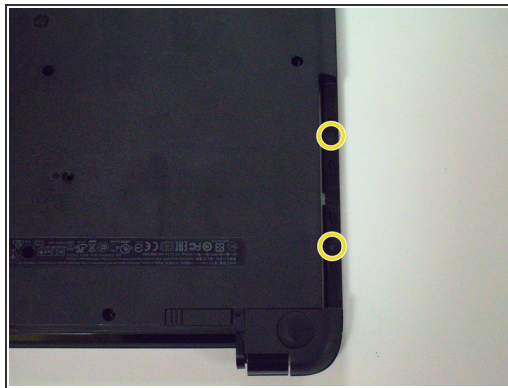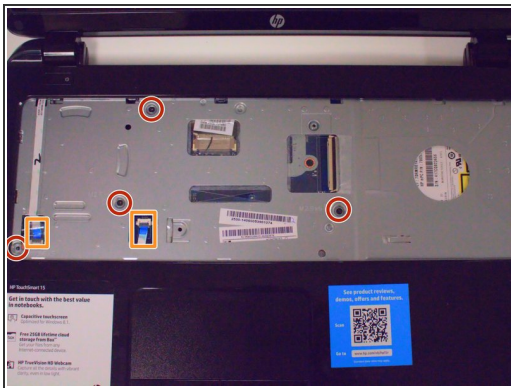
## Step 11 — Hard Drive



- Close and flip your laptop over to access the screws.

- ⚠ Ensure your laptop is off and the battery removed. Removing the hard drive with the laptop on will harm your computer.
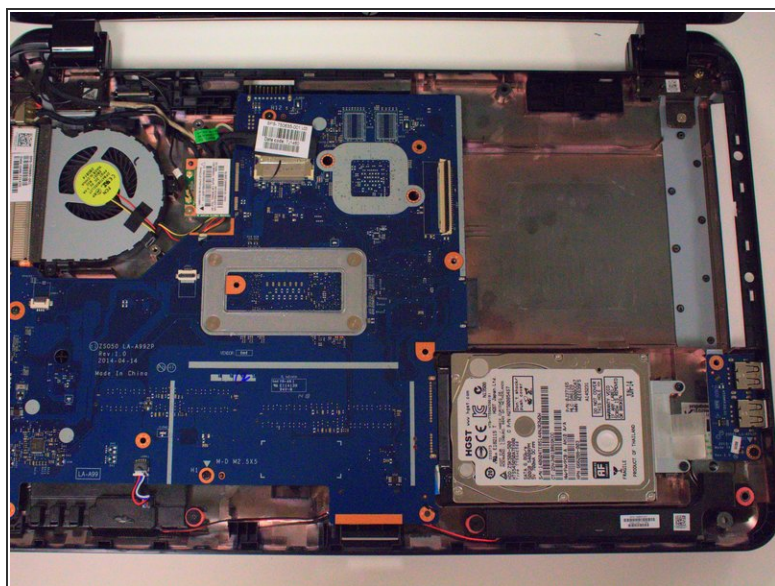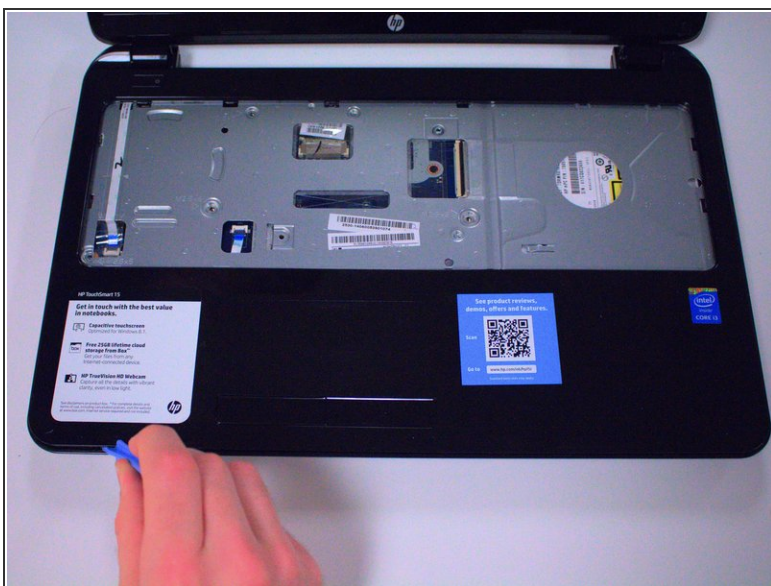
## Step 12



- Unscrew all the screws.

- There are 2 screws underneath the covers that need to be unscrewed.

- (i) Our DVD±RW Drive is still inside, but yours should already be removed.
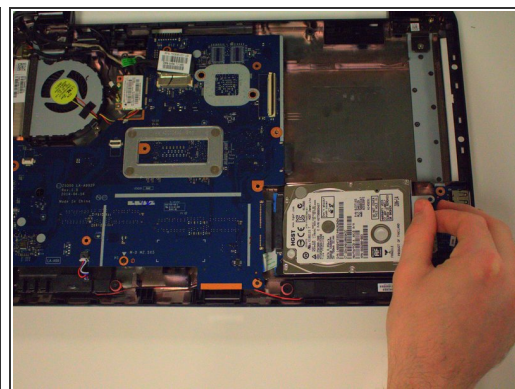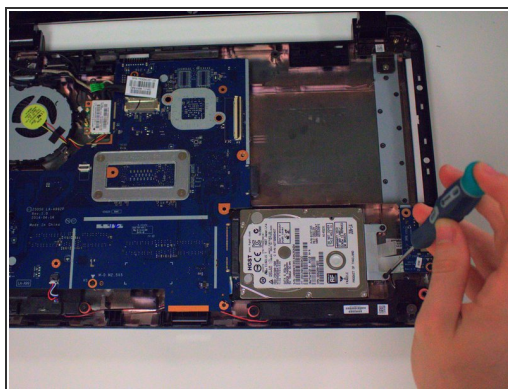
## Step 13



- Flip your laptop over and open it.

- There are 4 screws needing to be unscrewed.

- There are 2 wires that need to be unplugged before removing the base of the laptop.
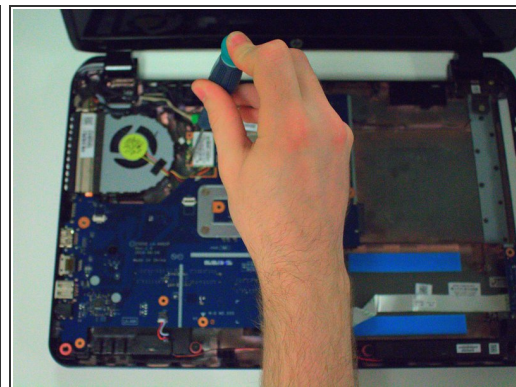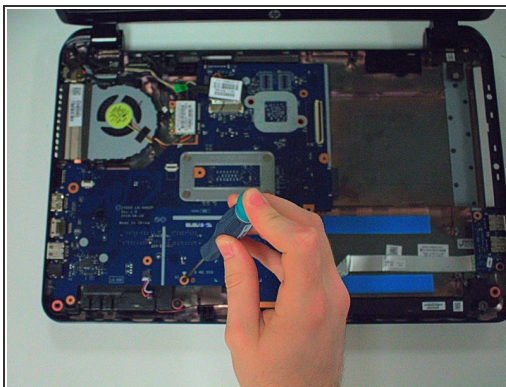
- There are 2 more screws where the DVD±RW Drive was.

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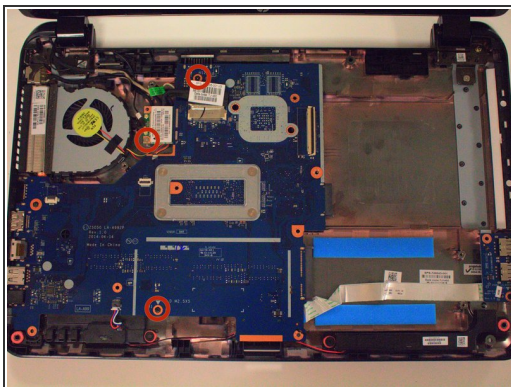
## Step 14



- Use your plastic opening tool to pry the base of the laptop off.
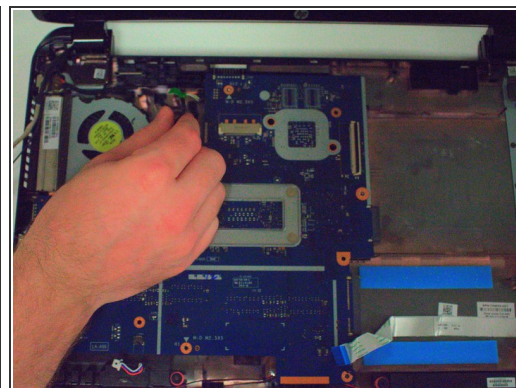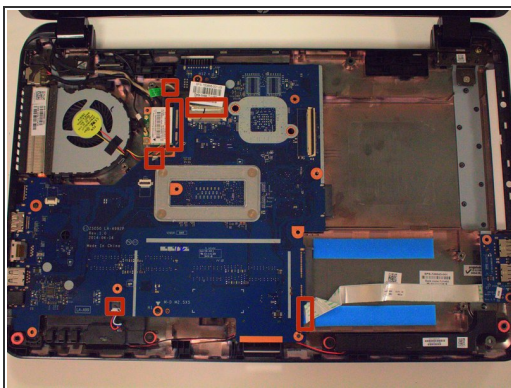
## Step 15



- There are 2 screws holding the hard drive in place.

- Use your screwdriver to unscrew the screws.

- Remove the hard drive by pulling it to the right like shown.

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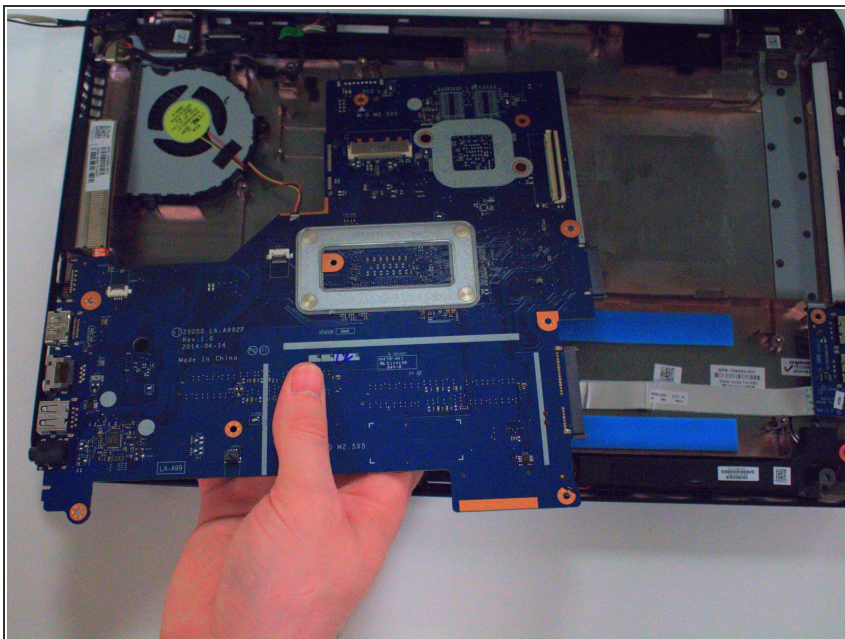
## Step 16 — Motherboard



- There are 3 screws holding the motherboard in place.

- Unscrew the screws to release the motherboard.

## Step 17



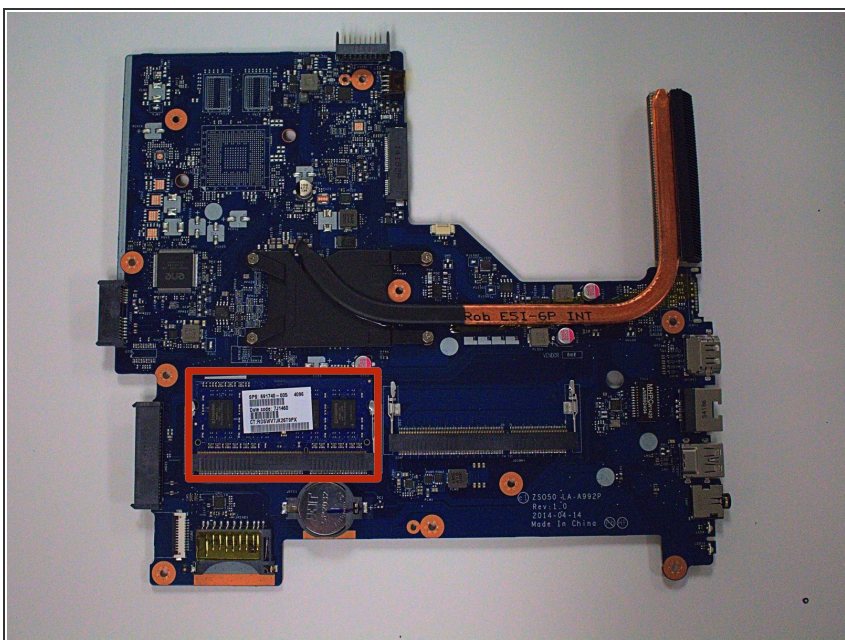- There are several wires that need to be disconnected from the motherboard.

- Remove the wires carefully.

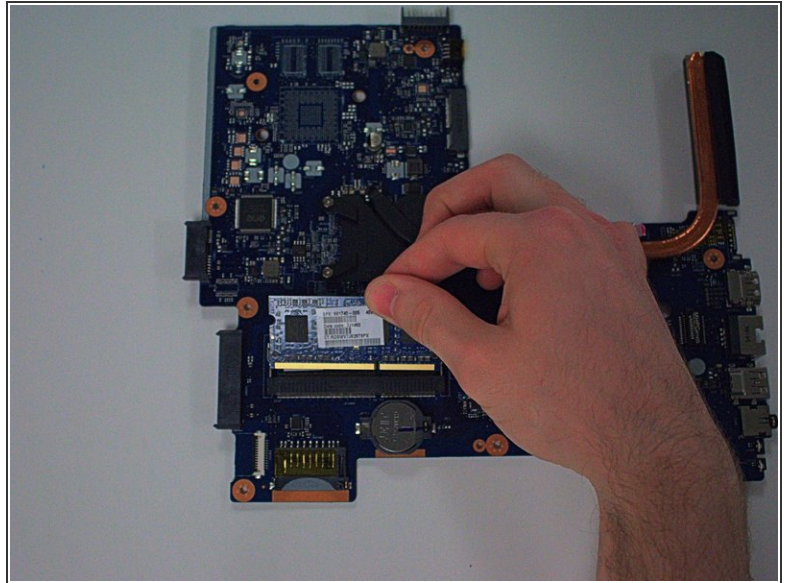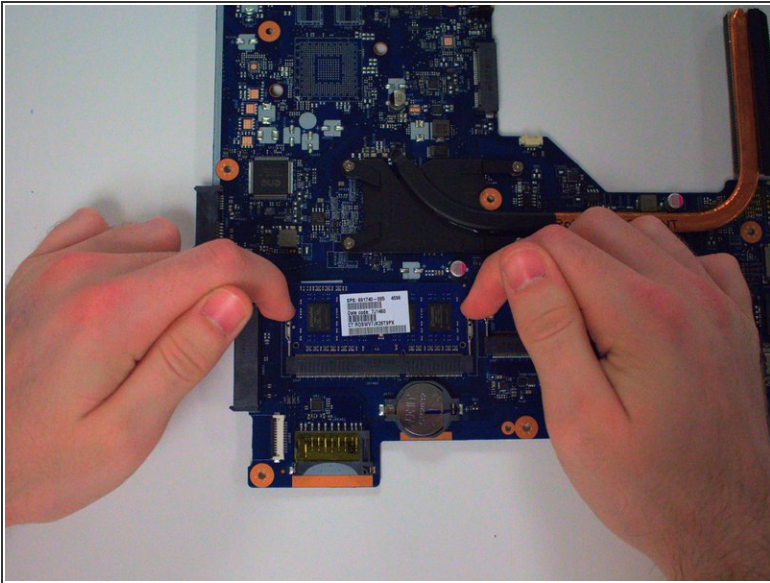This document was generated on 2020-04-12 07:04:03 PM (MST).

## Step 18



- After removing all the wires, pull the motherboard out.

## Step 19 — RAM



- ⓘ Put the motherboard on a hard, flat surface to avoid damaging it.

- The RAM is marked in red.

**Step 20**



- There are two switches holding the RAM in place that need to be moved.

- After the switches are released, simply pull the RAM up as shown.

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

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