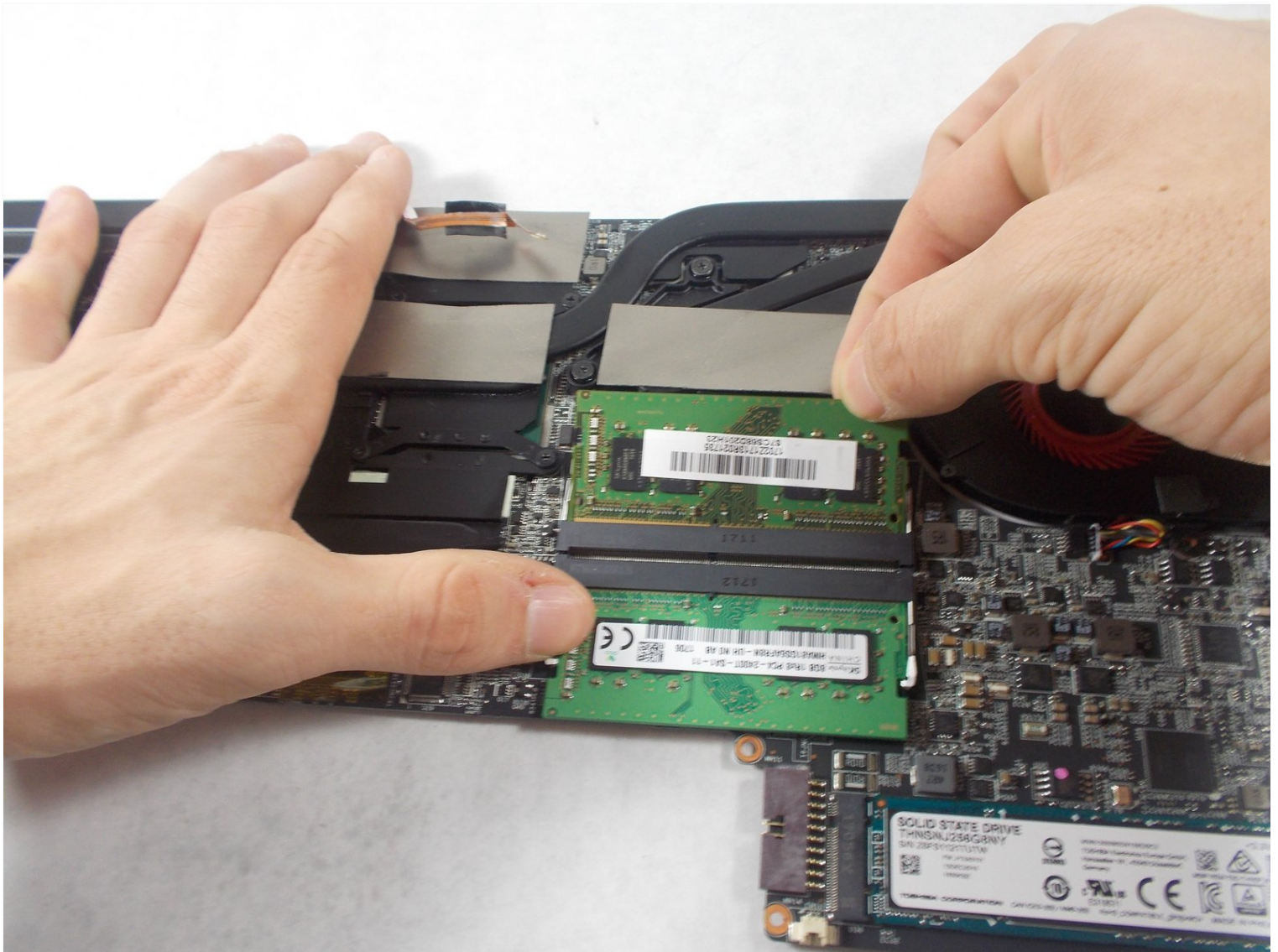




MSI GS63VR 7RF Stealth Pro RAM Replacement

RAM effects the total memory and speed of a...

Written By: Chris Gifford



INTRODUCTION

RAM effects the total memory and speed of a laptop. If your RAM is faulty, you will need a lot of patience for it to always be slow. However, if you replace it, like this guide tells you to, your device will perform much better.

TOOLS:

Phillips #1 Screwdriver (1)

Spudger (1)

Tweezers (1)

Step 1 — Battery



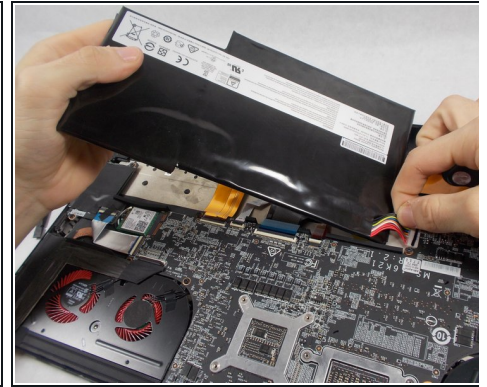
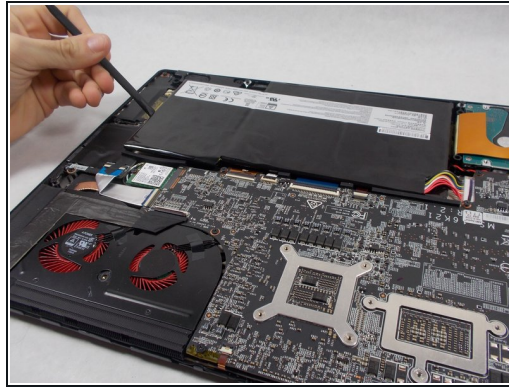
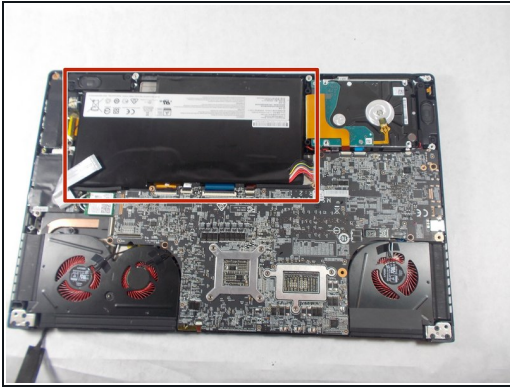
- Use the spudger to separate the back plate from the rest of the computer with the screen up like in the picture.
- Once the back plate is loose, close the screen for an easier time properly removing it.

Step 2



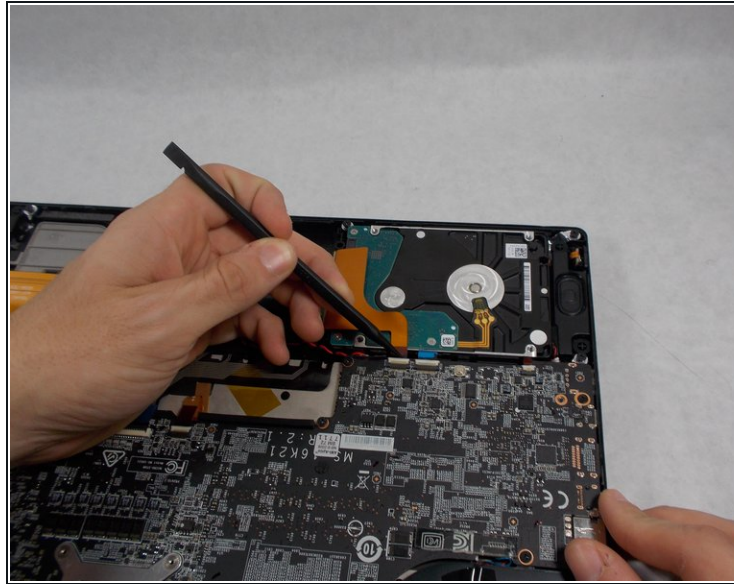
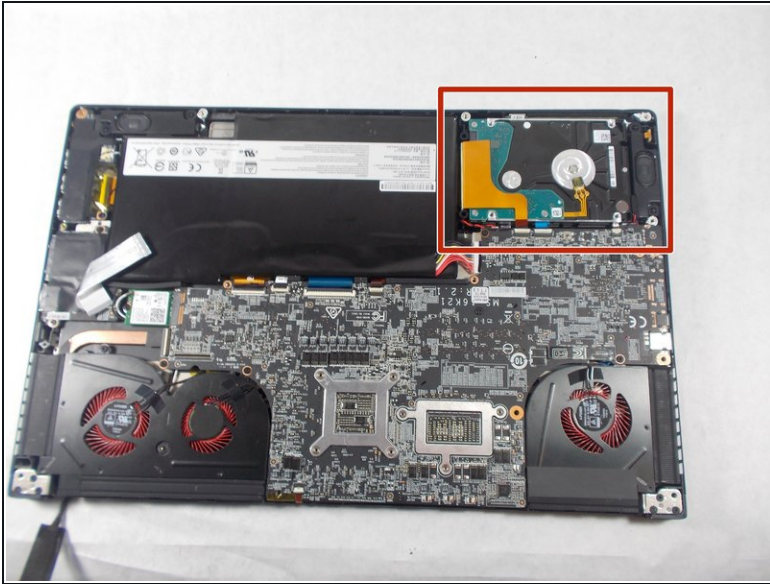
- Using a Phillips Head #1 screwdriver, unscrew the 15 screws on the bottom of the device
- After all the screws are unscrewed, remove the bottom plate. If this is the first time that you are removing this back cover, the last screw is hidden under the "factory seal" label. You will need to break that label to reach that screw.
- ① Keep track of all the screws and which slot they came from, as they slightly differ. We recommend this system: lay out on a piece of paper and pretending the paper is the device. Place the screws on the paper approximately where they would go.
- ① Another method for keeping track of all the screws would be to secure each removed screw near the hole that it was removed from with a piece of painters or masking tape. This type of tape is easy to remove from the fuzzy surface but strong enough to secure the screw to the back cover.

Step 3



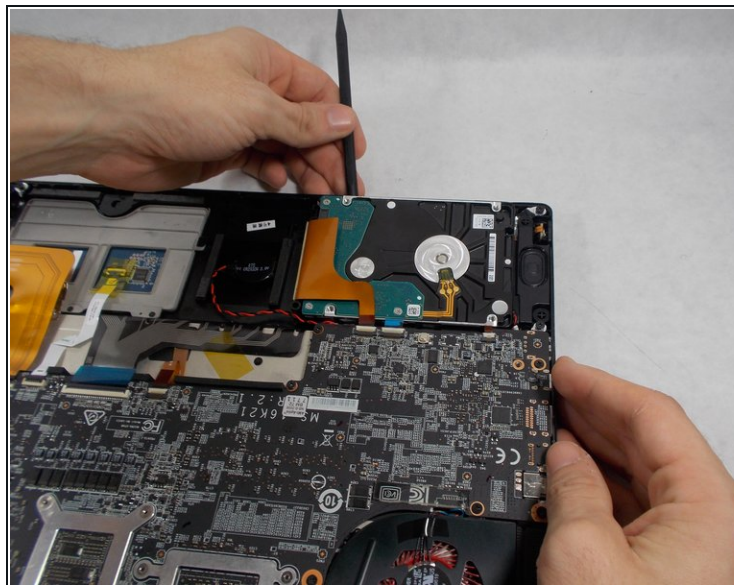
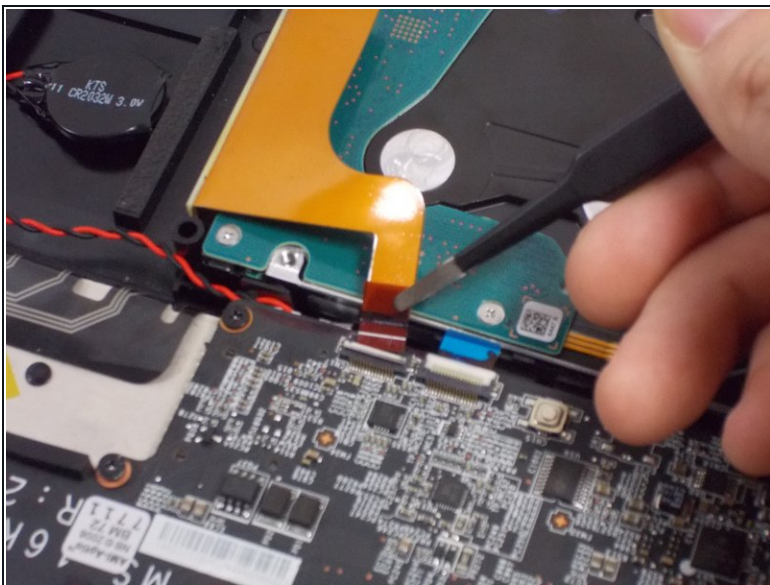
- Locate the battery.
 - Wedge the spudger underneath the battery, and apply pressure to lift it away from the rest of the device.
 - Gently pull and wiggle the multiple colored wired connector out from the socket.
- i** If you are removing the original battery, the back has a couple foam strips that were installed for cushioning. Those can be carefully removed and placed on the new replacement battery, but it is not necessary.

Step 4 — Hard Drive



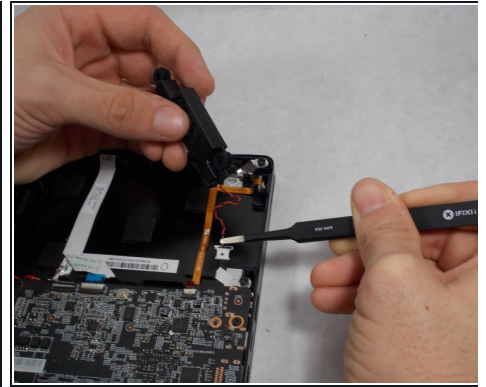
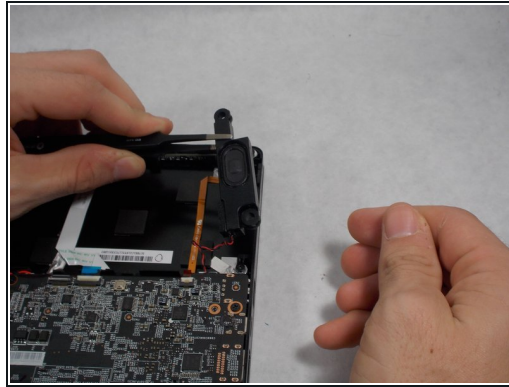
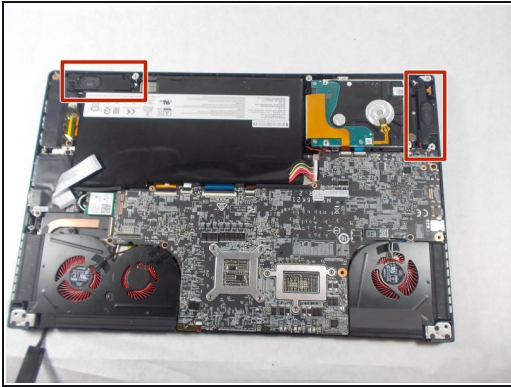
- Locate the hard drive.
- Using a spudger lift the ribbon cable connector.

Step 5





- Use the tweezers to lift the back tab and pull it back until the ribbon cable disconnects.
- Wedge the spudger between the hard drive and the device and apply pressure to pry the two apart, and then remove the hard drive.

Step 6 — Speakers

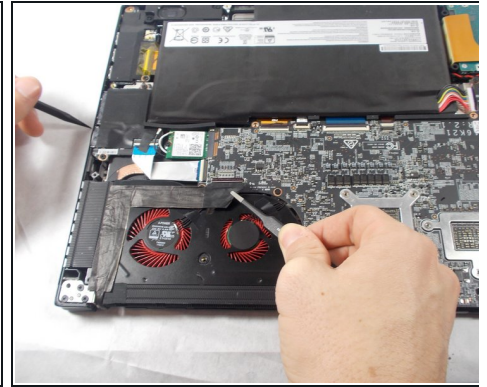
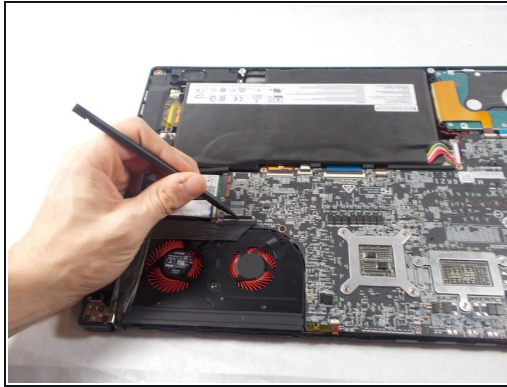
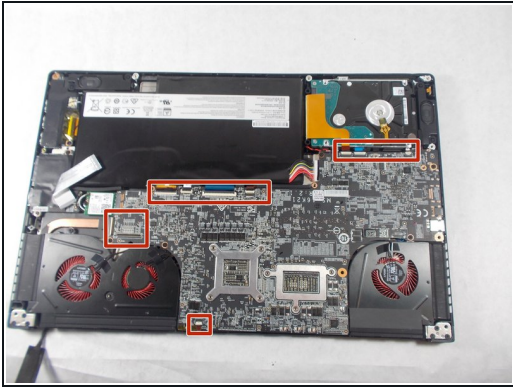


- First locate the speaker(s).
- Use the tweezers to lift the speaker from its position.
- Grab the multi-colored wire with the tweezers and gently pull back until the speakers releases from its socket.

 Applies for both speakers.

 Keep track of which speaker went where. The connectors for the speakers are unique; you cannot use a speaker that should go on the right side on the left side and vice versa.

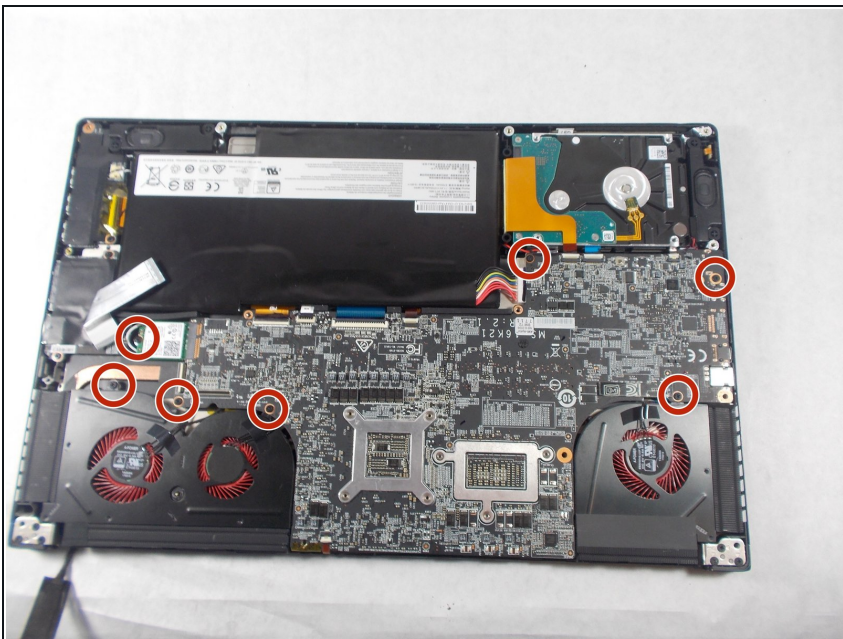
Step 7 — SSD



- First, locate all the ribbon cables that are connected to the motherboard.
- Lift the ribbon cable connector tabs with the spudger gently.
- Using the tweezers, gently pull back on the ribbon cable until it is completely out of the socket.

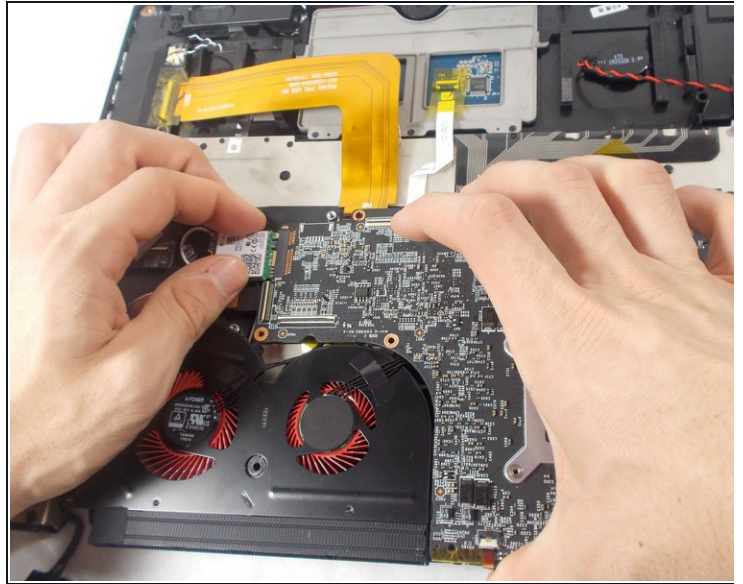
⚠ Be very gentle while dealing with ribbon cables. If one gets damaged the component it links to will not function.

Step 8



- First, locate all the screws holding down the Motherboard.
- Remove all the screws using the #1 Phillips head screw driver.

Step 9



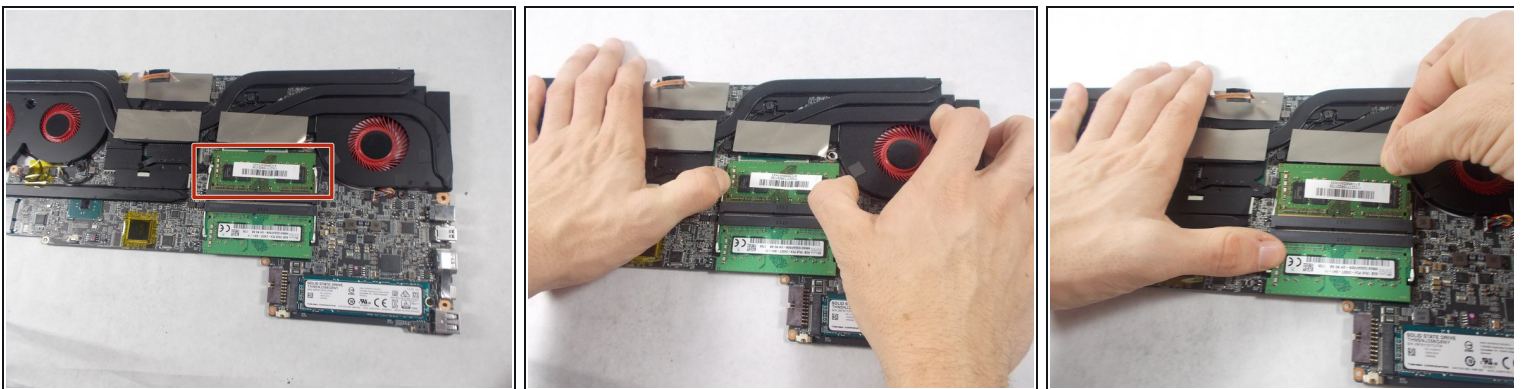
- Next, locate the Wi-Fi chip.
- Use the #1 Phillips head screwdriver to remove the screw attaching the Wi-fi chip to the motherboard.

Step 10



- Use the spudger to lift the motherboard up and remove it from the laptop, then flip the now separated motherboard over.
- Using tweezers, disconnect the red wire circled in the picture; where the hard drive would be.
- Locate the SSD and the screw holding it in.
- Unscrew the one Screw using a #1 Phillips Head screwdriver.
- The SSD will want to lift with that screw being removed, from here grab it and pull it out gently.

Step 11 — RAM



- Locate the RAM.
- Pull back the two tabs holding it into place, it will pop out.
- Pull it out.

★ When inserting the new RAM, it will snap into place.

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