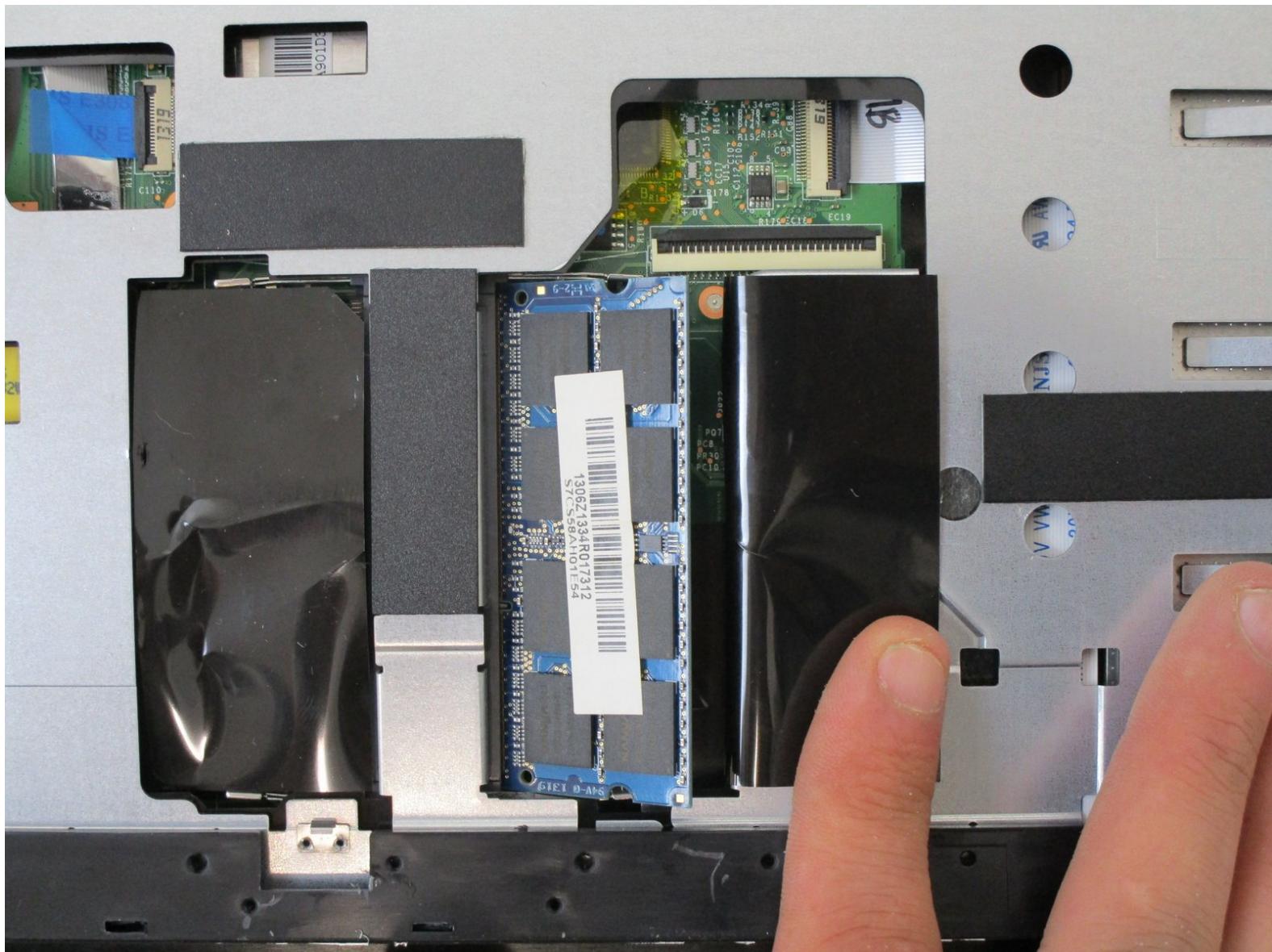




# MSI GT70 MS-1763 RAM Replacement

Step by step guide to replacing the RAM in your MSI GT70 MS-1763.

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## INTRODUCTION

If you are getting constant memory crashes, or your computer fails to start up and beeps repeatedly you should look into replacing the RAM.

### TOOLS:

- [Jimmy](#) (1)
- [Phillips #0 Screwdriver](#) (1)

## Step 1 — Battery



- Power off the laptop and turn it over.

## Step 2



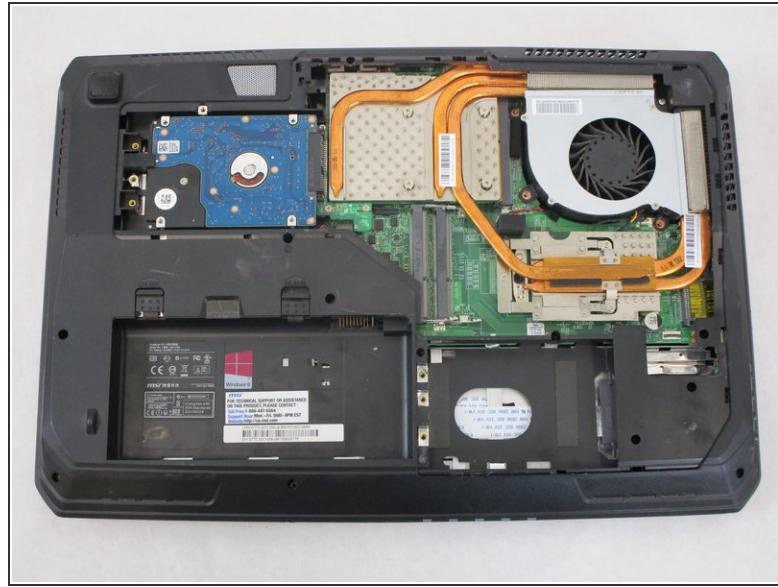
- Release the safety latches that hold the battery in place. The left latch will stay moved up, while the right side is spring activated and will have to be held.

## Step 3



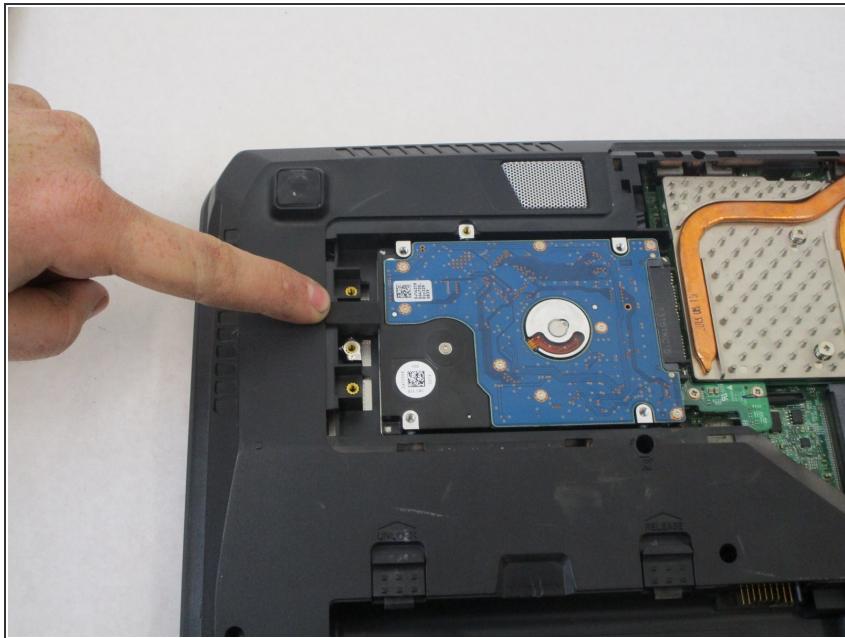
- While holding up the left latch, use a Jimmy and slide the old battery out of its compartment.

## Step 4 — Hard Drive



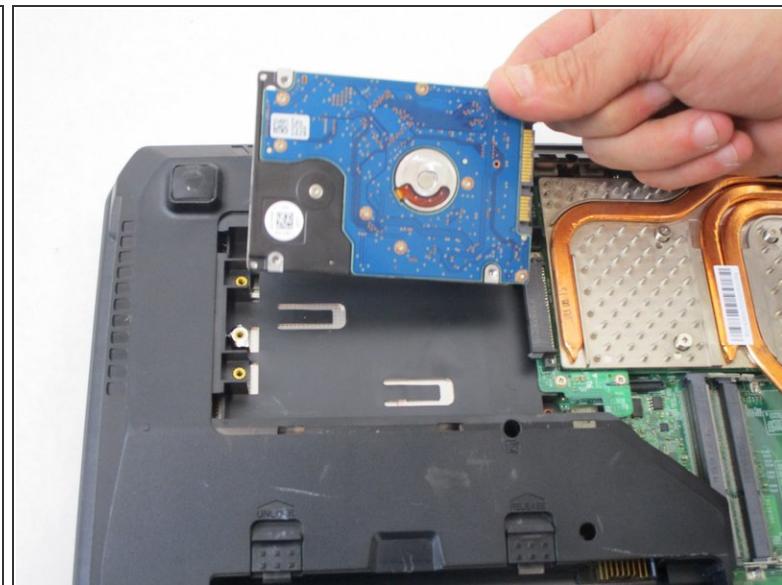
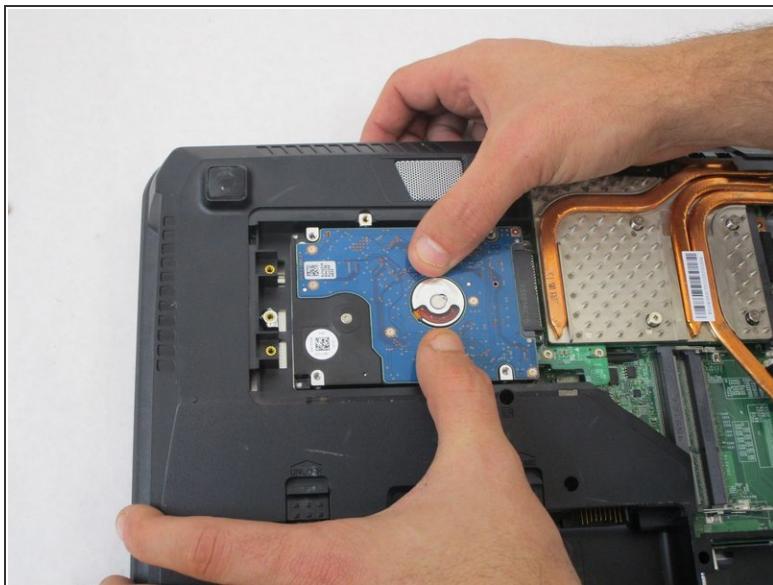
- Remove all twelve 4 mm Phillips #0 screws from the back of the laptop.
- Remove the back cover.

## Step 5



- Remove the rubber spacer holding the hard drive secure.

## Step 6



- Slide the hard drive to the left, removing it from its bay.

## Step 7 — Keyboard



- Using a Jimmy, remove the outer cover around the keyboard.
- Remove the ribbon cable from the ZIF connector on the underside of the top cover.

## Step 8



- Using a Phillips #0 screwdriver, remove the five 3 mm screws at the top of the keyboard.

## Step 9



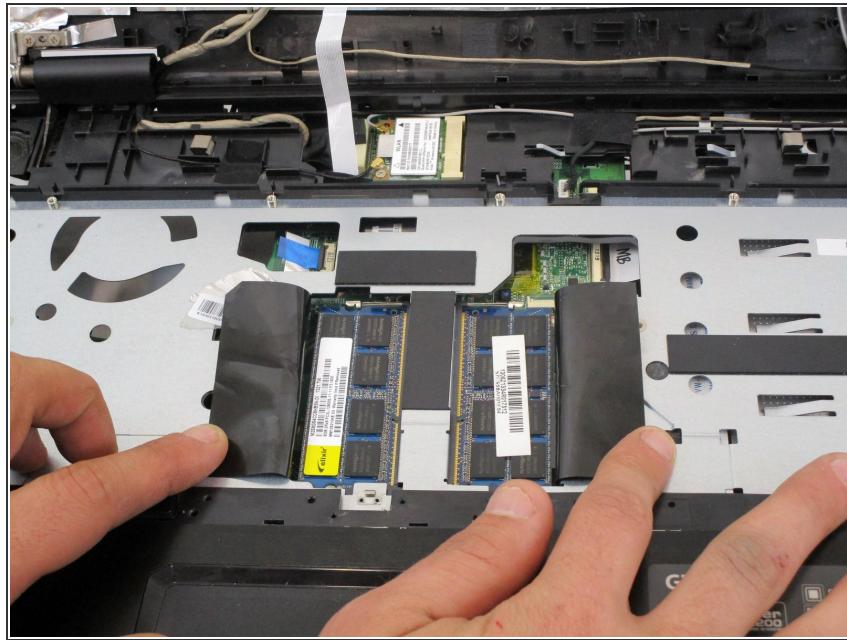
- Flip the keyboard back and disconnect the keyboard cable.

## Step 10



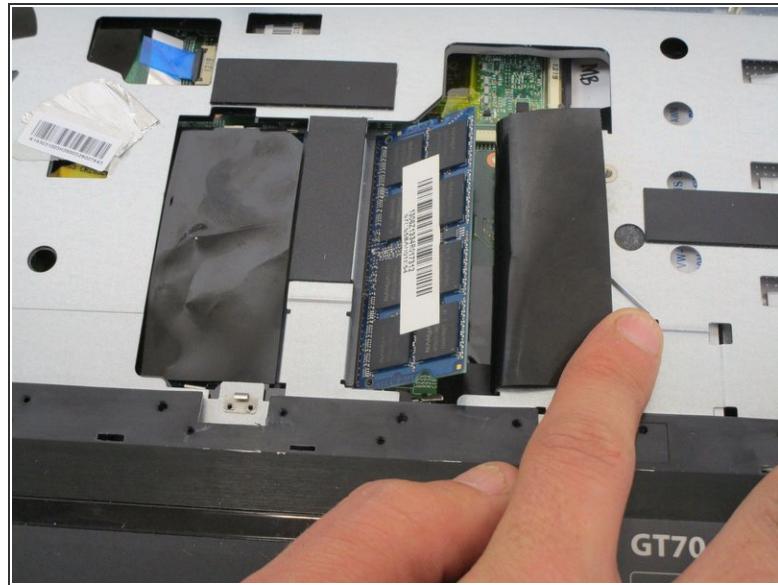
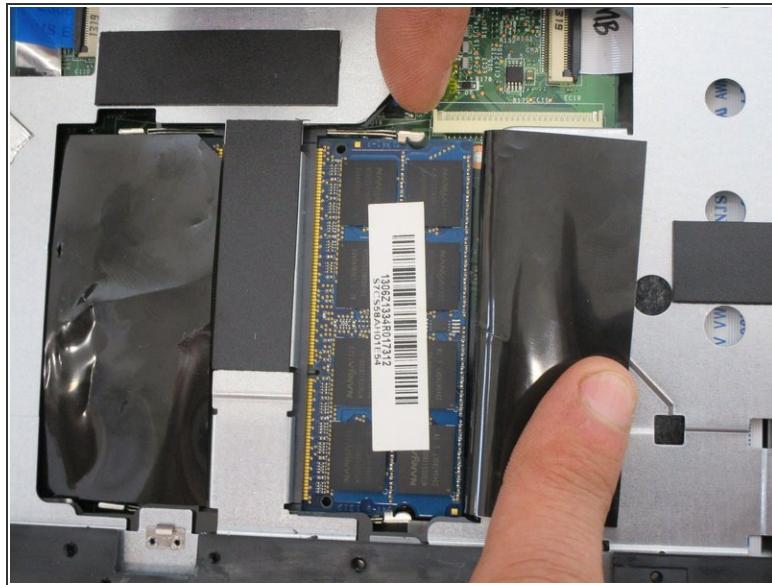
- Flip the laptop over and disconnect the data cable from the ZIF connector on the bottom right.
- You can now turn the laptop back over and remove the keyboard.

## Step 11 — RAM



- Pull back the black film, which covers the ram.

## Step 12



- Pull the safety latches on either side of the RAM away from each other.
- The RAM should pop up at an angle from the motherboard when it has cleared the latches.
- Remove the RAM, maintaining the angle at which it rests.

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