

INTRODUCTION

You have problems with your RAM? Not detected properly or would like to upgrade to higher capacity RAM? Then this guide is for you!

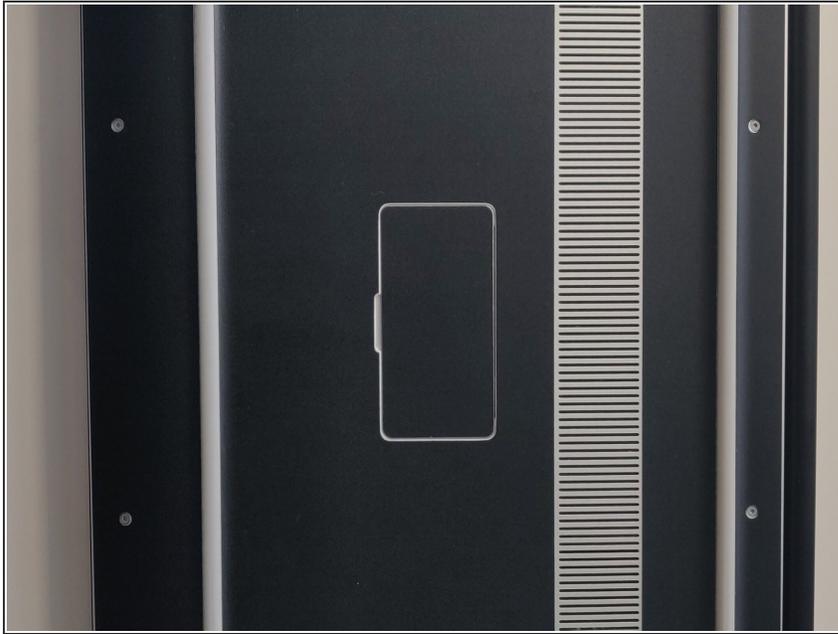
TOOLS:

- [T5 Torx Screwdriver](#) (1)
- [Phillips #0 Screwdriver](#) (1)
- [iFixit Opening Tool](#) (1)

PARTS:

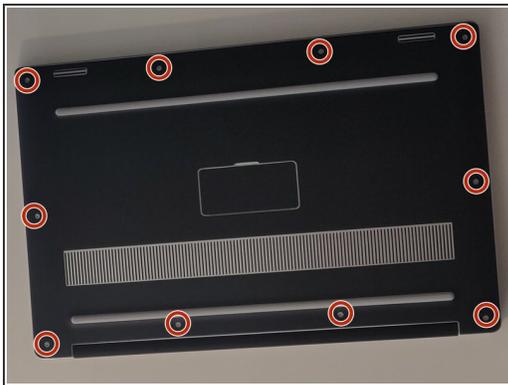
- [Dual-channel DDR4 2666 MHz RAM](#) (1)
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Step 1 — Flip laptop around



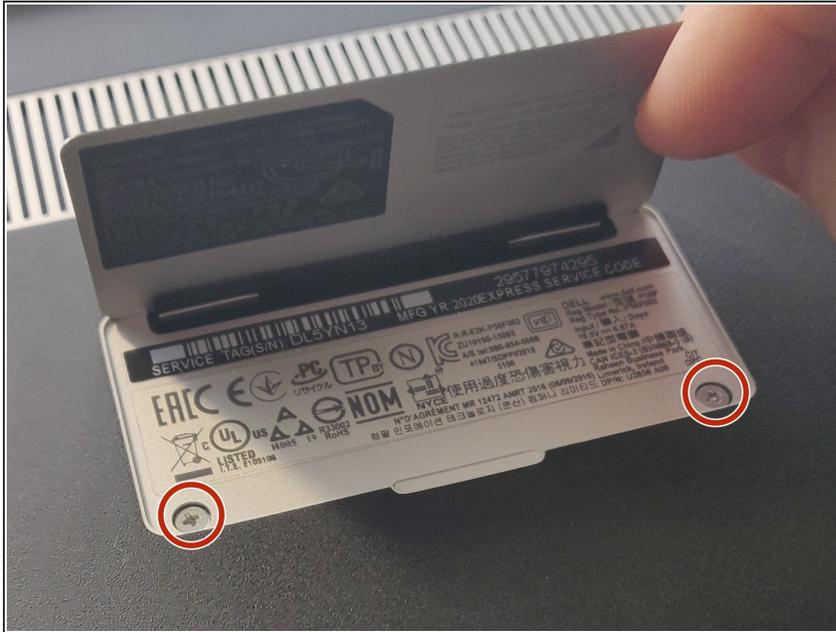
- Flip your device the other way around
- Don't be confused that this device is black, its a skin

Step 2 — Remove 10 Torx T5



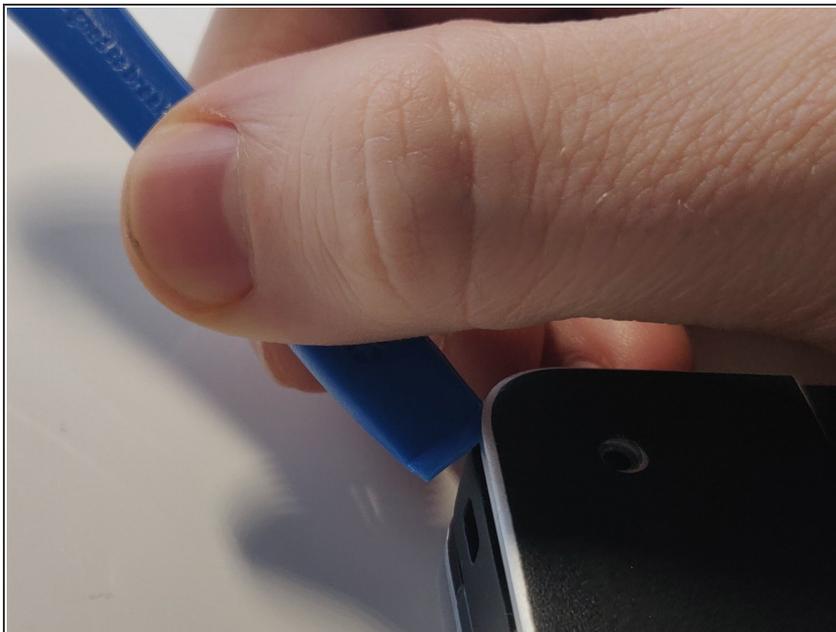
- Grab your T5 Torx and identify the 10 torx screws
- Make sure that this is a T5, to not strip the screws. They can be very difficult to remove
- Careful there are more screws, do not try to open yet!

Step 3 — Remove Flap Screws



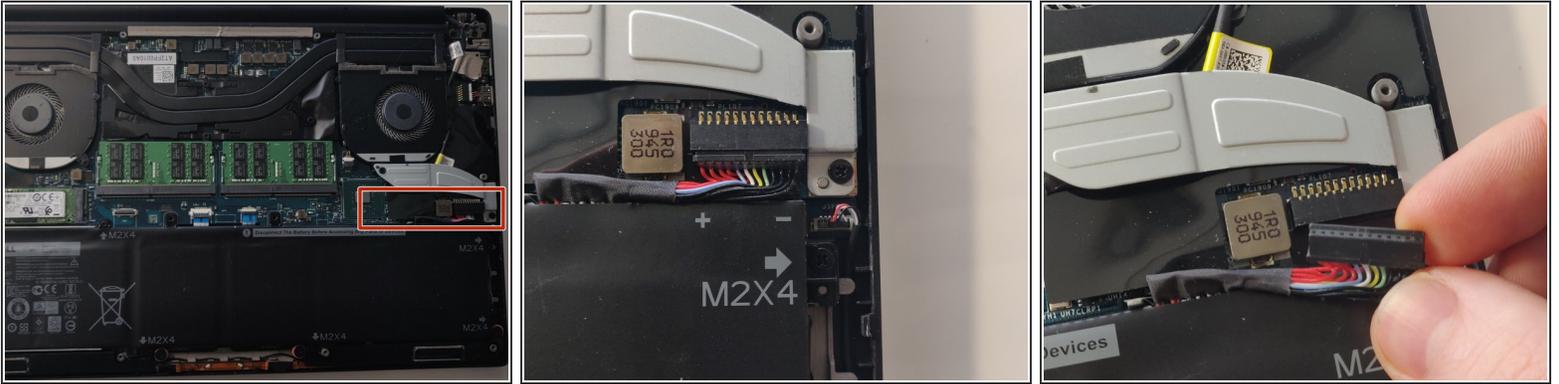
- Open the flap on the back of the laptop
- There are two screws that need to be removed, please use a Philips 0 screwdriver

Step 4 — Remove Backplate



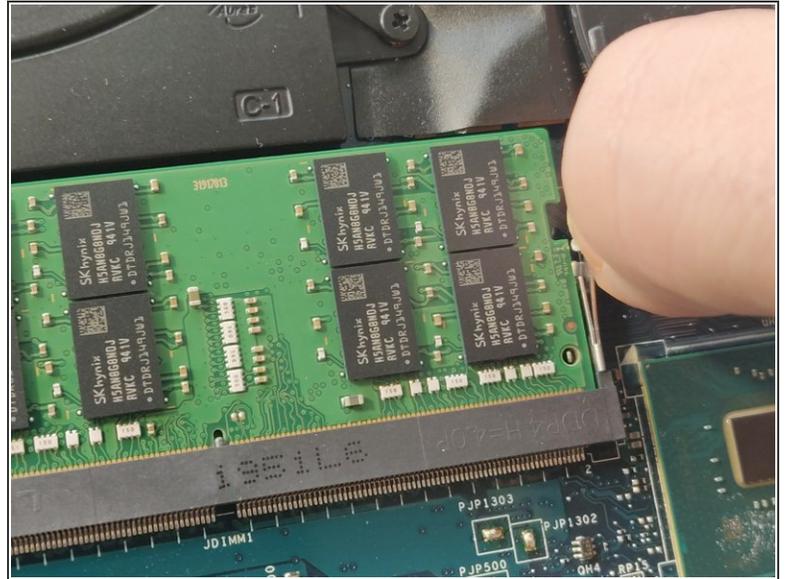
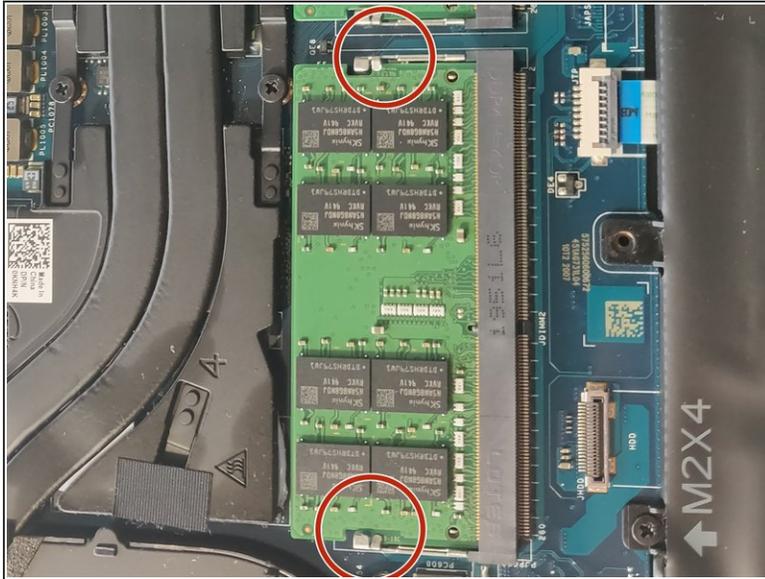
- The backplate might not be easy to open
- You can use a soft prytool to open the laptop easier
- Don't insert the tool too deep or you might break the mainboard
- Now, you should be able to remove the backplate

Step 5 — Unplug Battery



- Locate the battery connection to the mainboard
- Unplug the battery before doing anything else
- You can use a pry tool to make this easier

Step 6 — Locate and remove RAM



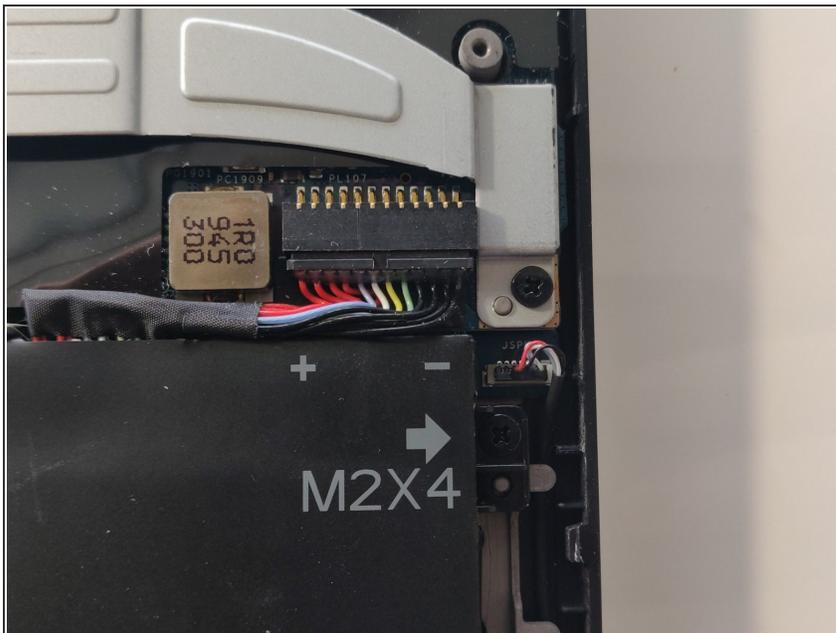
- Locate the RAM on the mainboard
- Gently push down on the 2 outside tabs of the RAM stick you want to replace
- While still pushing down, gently push the tabs outwards, causing the RAM stick to flip up
- Firmly grasp the RAM stick from the flipped up edge and gently pull out, releasing the RAM stick

Step 7 — Insert new RAM



- Insert the new RAM sticks into the socket or reseal the one that is already there if the ram is not detecting properly
- Make sure to align the RAM properly in the slot before pressing down
- Then press down to have the RAM to seat in correctly

Step 8 — Plug battery back in and reassemble



- Plug battery back in
- Place backplate on top again and reassemble

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