



Panasonic Toughbook CF-53 Random Access Memory (RAM) Replacement

This guide is designed to help you properly remove, replace, and reinstall corrupted RAM in your Panasonic Toughbook CF-53.

Written By: Sean Marsden



INTRODUCTION

Faulty RAM is a common cause of many computers being unable to boot and is therefore easily replaceable. While performing this repair, ensure that your laptop is completely turned off. As with any time you open a computer, it is important to wait a few minutes after shutting down and unplugging the machine to ensure that all capacitors have properly discharged. You should also be careful when doing any work inside the device as any scratches or dents to the motherboard may result in further damages.

It is important to ensure that both RAM sticks are the exact same model. There is a sticker on each stick identifying its basic specs, manufacturer, and exact model. The best way to ensure that two sticks are identical is to buy them in a pack of two.



TOOLS:

- [Phillips #00 Screwdriver](#) (1)
-

Step 1 — Random Access Memory (RAM)



- Ensure your laptop is fully turned off. Flip it over so the bottom is facing up and the carry handle is facing away from you.
- Remove the single 4 mm Phillips #00 screw holding the RAM access cover in place.
- Gently rotate the cover upwards and pull it out. This will reveal the Toughbook's RAM slots.

Step 2



- To unlock the RAM, gently pull both locking tabs apart.
- ⚠ Be careful in this step; any excessive force may snap the locking tabs off.
- ℹ You will know that the RAM is unlocked when it rotates upwards.
- Repeat this process for each stick you need to replace.

Step 3



- Pull the RAM sticks from their slots.
- ⓘ If they require any amount of force to remove, ensure that both locking tabs have been unlocked.
- ✦ When reassembling, slide your replacement sticks into the slot. Orient the gold contacts towards the slot. Ensure the plastic tab in the slot lines up with the cutout on the stick. Gently push down on each of the sticks until they lay flat above the motherboard. The two locking arms should audibly click into place when the stick is properly set.
- ⚠ Ensure that you are not forcing the stick into place as this may damage the RAM.

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