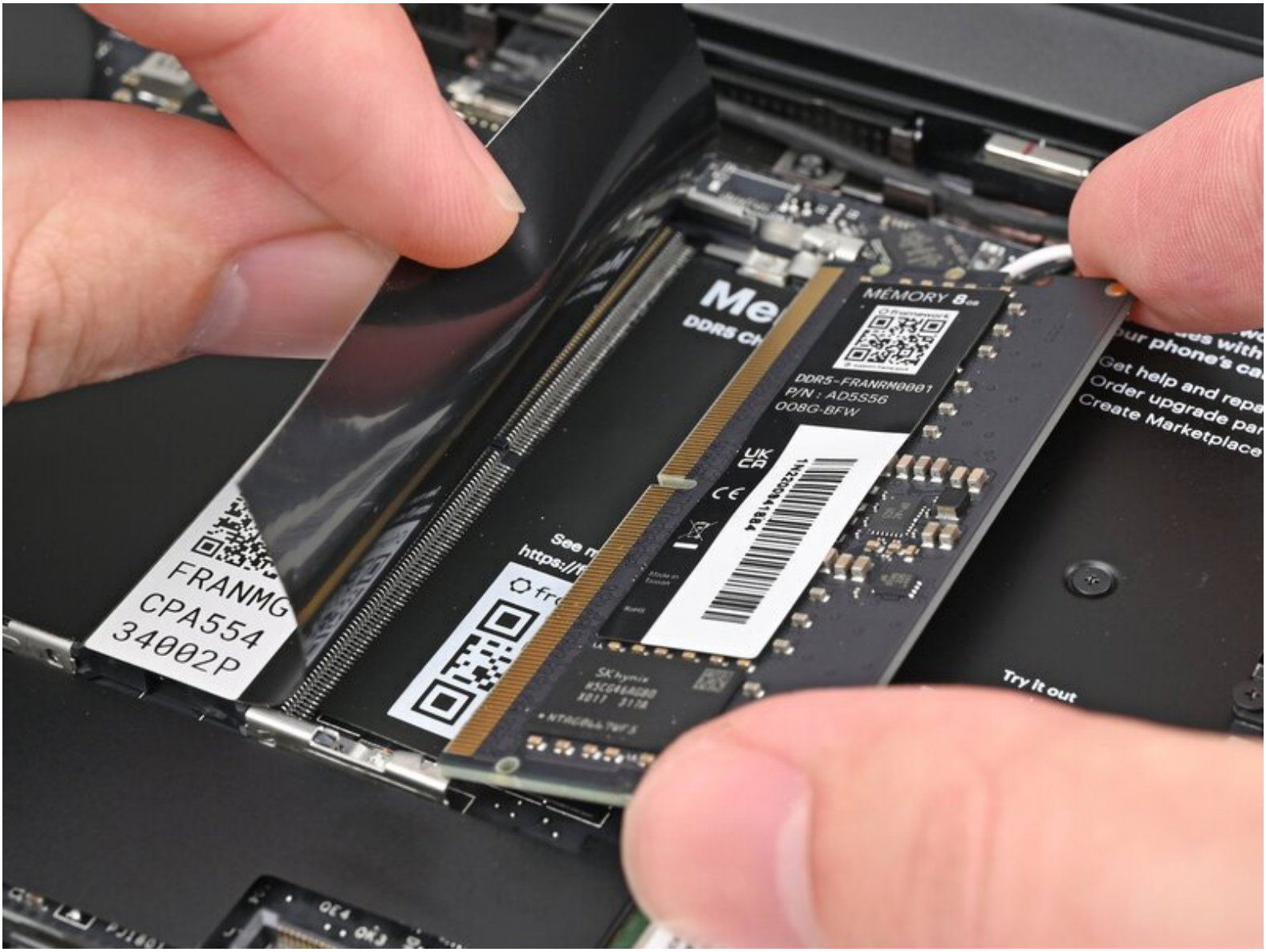
DDR5 SO-DIMM Memory Replacement for Framework Laptop 13 Pro

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INTRODUCTION

Follow this guide to remove and replace the DDR5 SO-DIMM memory (aka RAM) in your Framework Laptop 13 Pro.

The Framework Laptop 13 Pro AMD Ryzen™ AI 300 Series has two DDR5 SO-DIMM sockets that supports up to 48 GB each of DDR5-5600 memory. If you install memory faster than the supported speed, the laptop will work properly, but not use the full memory speed.

For a list of validated **AMD Ryzen™ AI 300 Series** memory modules, check out this link.

TOOLS:

- Framework Screwdriver (1)

Step 1 — Before you begin





- Unplug all cables and fully shut down your laptop from the OS.

Step 2 — Loosen the Input Cover screws





- Use your Framework Screwdriver to loosen the five captive T5 Torx screws securing the Input Cover.

Step 3 — Lift the Input Cover





- Open the laptop.
- Use your fingers to lift the Input Cover up and release it from its magnets.

⚠ Don't fully remove the Input Cover yet, as it's still attached by the Touchpad Cable.

ⓘ If you're having trouble lifting the Input Cover, you can leverage the gap at the bottom right corner to get your fingers fully under it.

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Step 4 — Flip over the Input Cover



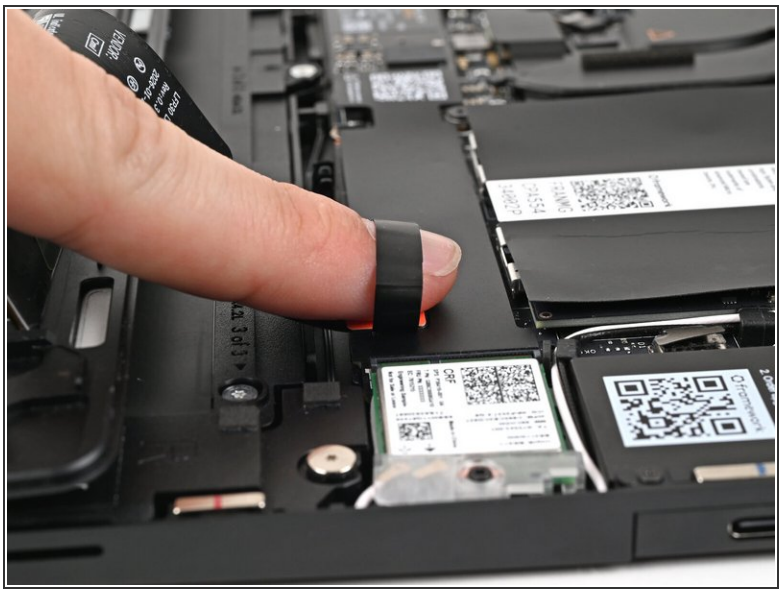


- Flip the top of the Input Cover so the keyboard is facing down.
- Rest the Input Cover over the Battery, making sure the Touchpad Cable isn't being strained.

⚠ If the LEDs on the left and right sides of the Mainboard are flashing, then your laptop is still powered on. Make sure your laptop is completely powered off before continuing.

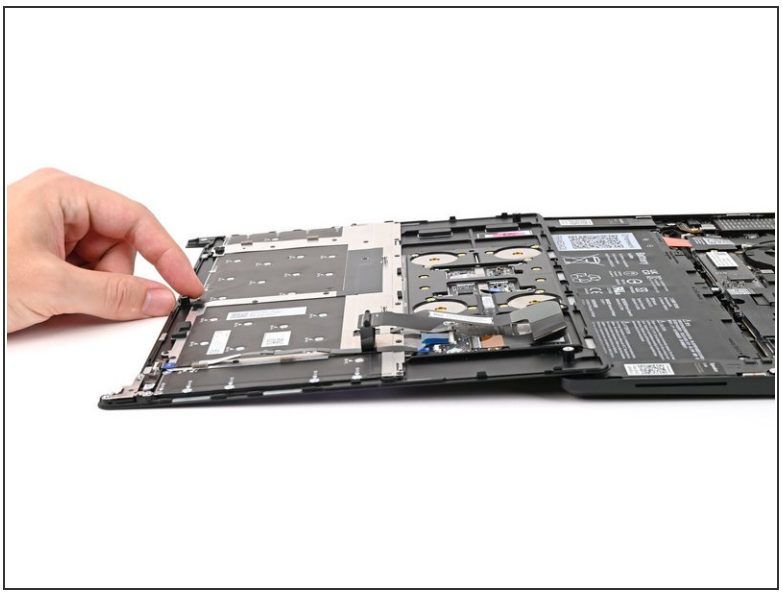
Step 5 — Disconnect the Touchpad Cable

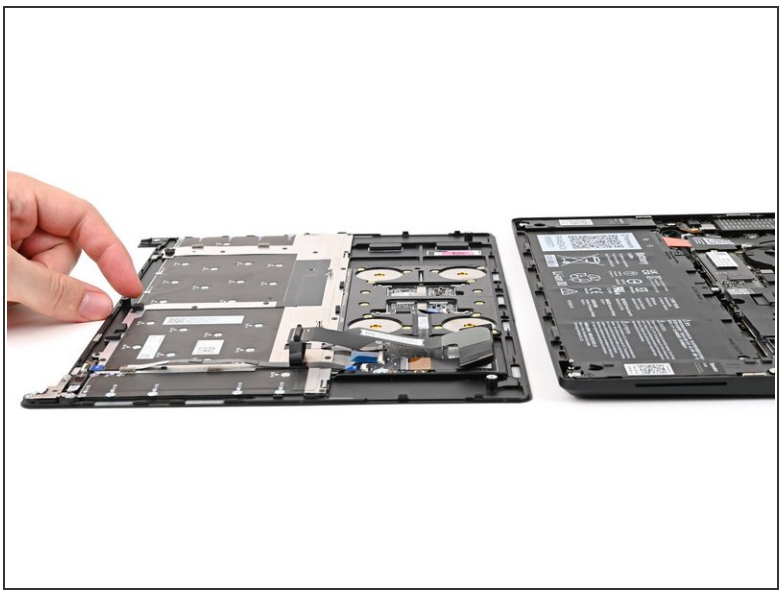




- Insert your finger into the Touchpad Cable press connector loop.
- Lift up to disconnect the Touchpad Cable from the Mainboard.

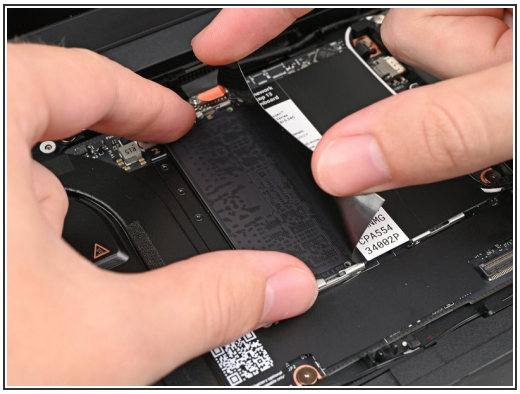
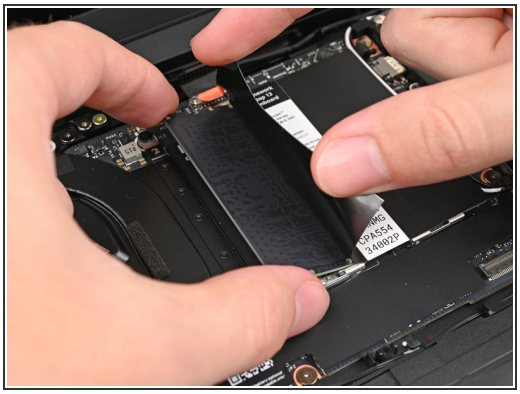
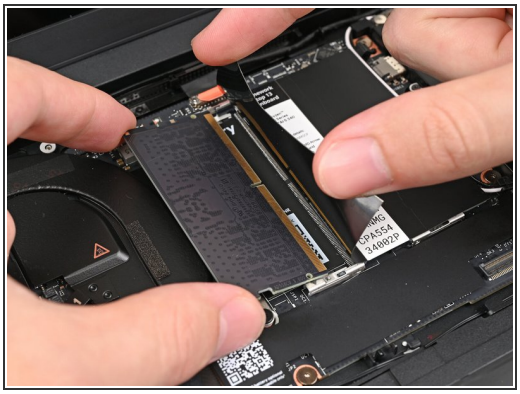
Step 6 — Remove the Input Cover





- Remove the Input Cover.

Step 7 — Remove the DDR5 Memory

- While holding up the black flap covering the left memory module, push the two metal arms on each side of the module outward until they disengage and the module pops up at a shallow angle.
- Slide the memory module out of its socket and remove it.

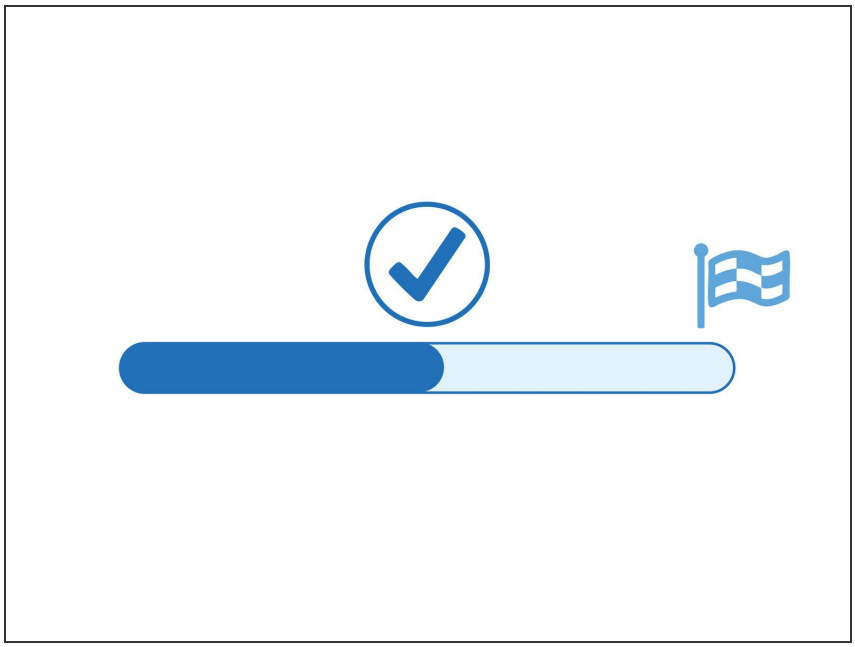
Step 8





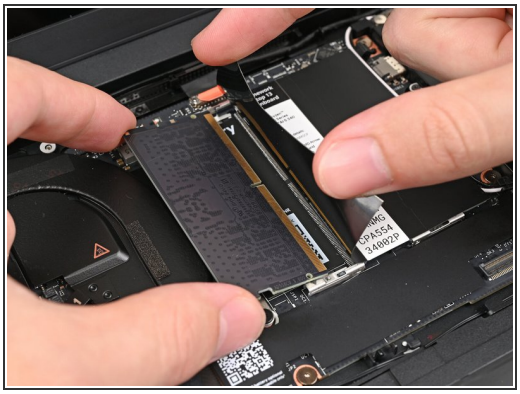
- Repeat the previous step for the right module.

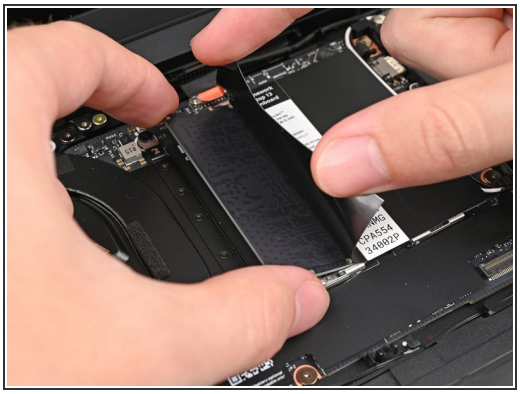
Step 9 — Disassembly Complete

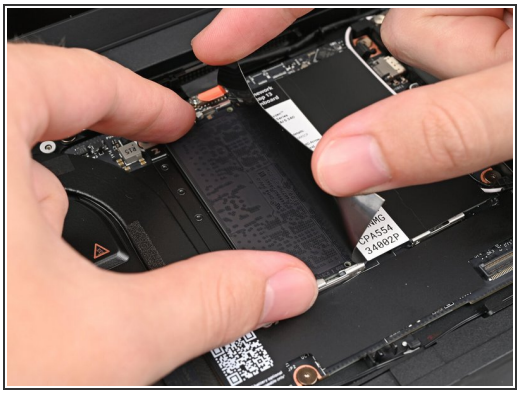


- Congratulations on completing disassembly! **The remaining steps will show how to reassemble your Framework Laptop.**

Step 10 — Install the SO-DIMM Memory







⚠ **Hold the memory module by its edges. Don't touch the gold contacts with your fingers.** If you do, wipe the contacts with a clean, lint-free cloth to remove any finger oils.

- While holding up the black flap covering the left memory module, orient the module with its label facing down and align the gold contacts with the left socket.
- Insert the contact edge into the socket at a shallow angle. The gold contacts should mostly be covered by the socket.
- Press the edges of the module down until the side clips lock it in place.

Step 11

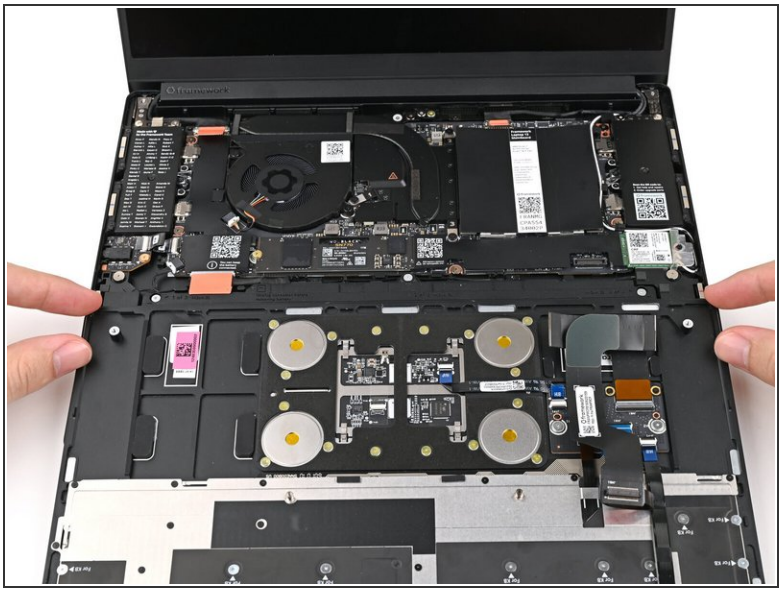




- Repeat the previous step for the right socket, except orient the module so its label is facing upward.

Step 12 — Position the Input Cover





- Position the Input Cover, keyboard down, on top of the laptop so it just covers the Battery.
  - ⓘ This allows the Touchpad Cable to be folded over and reconnected without straining it.

Step 13 — Connect the Touchpad Cable





- Insert your finger into the Touchpad Cable press connector loop.
- Align the press connector over its socket and press down with your finger.
  - ⓘ You should hear it "click" into place. If you're having trouble, reposition it and try again. Don't try to force the connector into place.

Step 14 — Place the Input Cover





- Flip the Input Cover over the laptop and align the bottom edges.

Step 15





- Lay the Input Cover over the laptop and let the magnets snap it into place.

ⓘ The bottom right corner of the Input Cover won't sit flush with the laptop until you tighten its screws.

Step 16 — Reposition the Laptop



- Close the laptop and flip it over.

Step 17 — Tighten the Input Cover screws



- Use your Framework Screwdriver to tighten the five captive T5 Torx screws securing the Input Cover.

⚠ Don't overtighten the screws—just make sure they're snug.

After installing new memory, the laptop will take longer to start up for the first time, and the screen will turn on slower. This is normal—the system is performing memory training.

Take your e-waste to an R2 or e-Stewards certified recycler.

If you need help, contact Framework support.