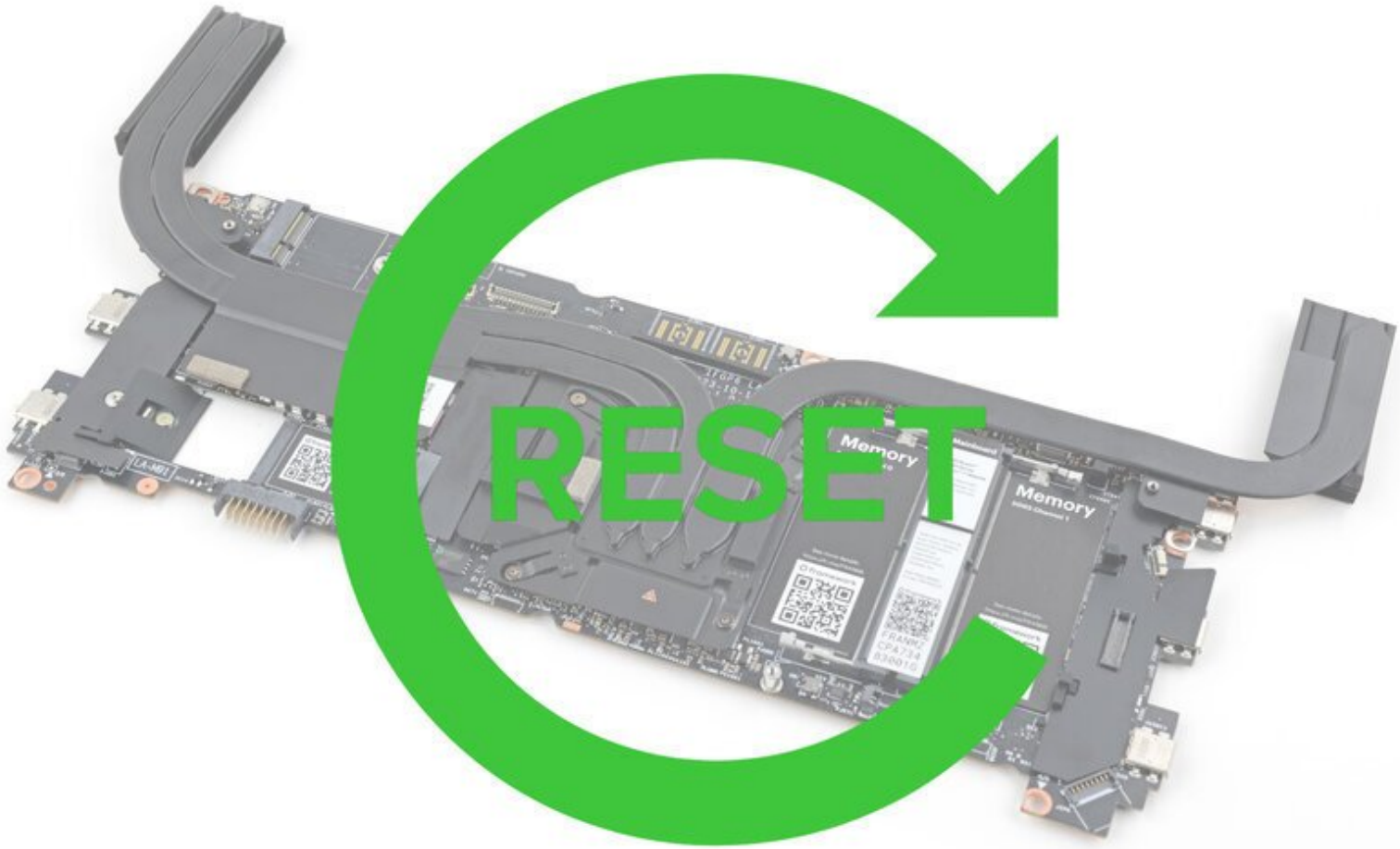
Mainboard Reset

Written By: Iroh



INTRODUCTION

Follow this guide to reset the Mainboard in your Framework Laptop 16.

Resetting the Mainboard will set the Laptop's BIOS settings to their factory default. This might be necessary if your Laptop doesn't boot properly or if you're installing new hardware.

This procedure is irreversible. Make sure you have your BIOS settings documented if you want to restore them afterwards.

TOOLS:

- Framework Screwdriver (1)

Step 1 — Before you begin

- Unplug all cables and fully shut down your laptop.

Step 2 — Unlock the Input Modules

- Use your fingernail to pull out the two Input Module latches and unlock them.
  - ⓘ The latch will show red if it's unlocked.

Step 3 — Remove the Touchpad Spacers

- Use your fingers to slide the Touchpad Spacer toward the bottom edge of the laptop and unclip it.
  - ⓘ If you're having trouble, check if the corresponding Input Module latch is properly unlocked.
- Lift the Touchpad Spacer off the laptop and remove it.

Step 4

- Repeat the same procedure for the other touchpad spacer.

Step 5 — Remove the Touchpad Module

- Use your fingers to slide the Touchpad Module toward the bottom edge of the laptop and disconnect it.
  - ⓘ If you're having trouble, check if the Input Module latches are properly unlocked.
- Lift the Touchpad Module and remove it.

Step 6 — Remove the keyboard

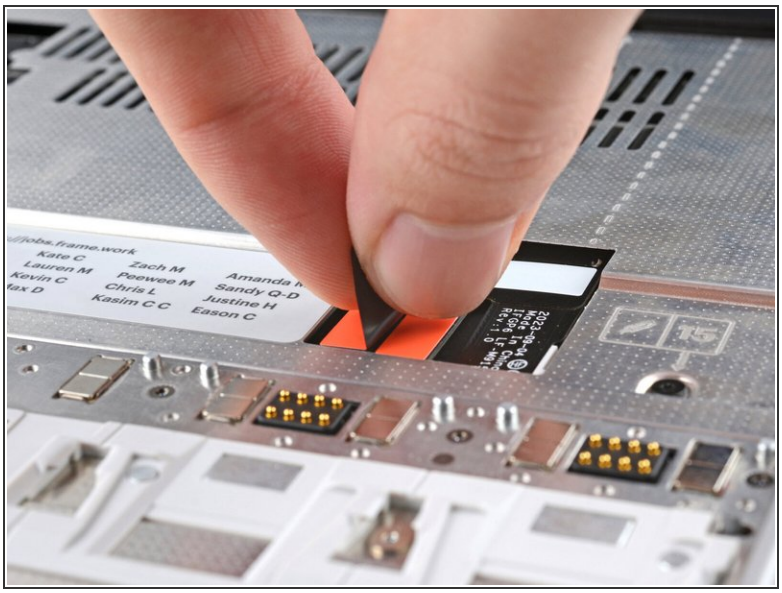
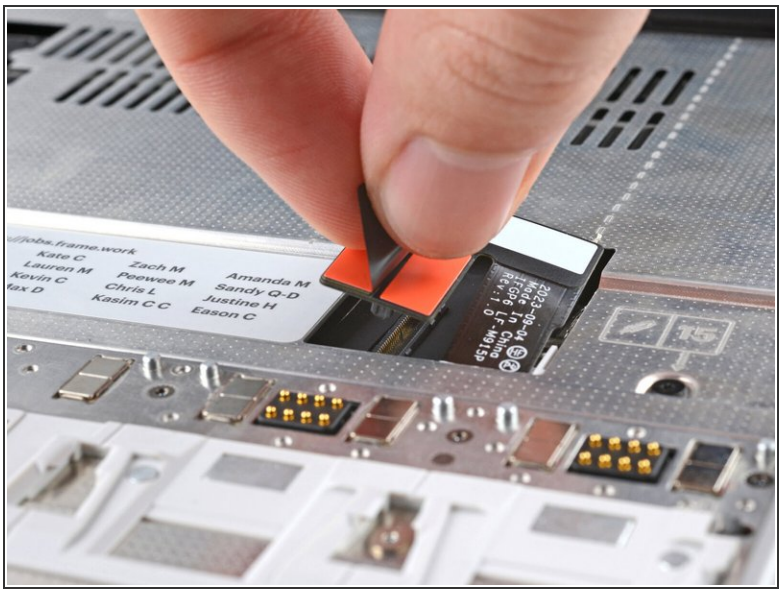
- ⓘ The keyboard is held in place with strong magnets. Apply gradually increasing force to avoid having the keyboard violently eject.
- Grip the two pull tabs along the bottom of the keyboard and lift until its magnets release.
- Remove the keyboard.

Step 7 — Remove the Input Modules

ⓘ Your Input Module(s) might be different, but the procedure to remove them is the same.

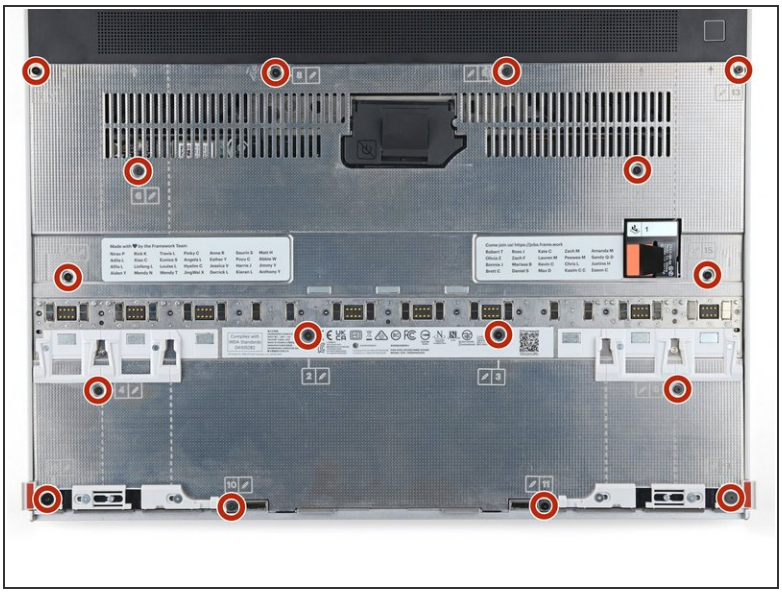
- Grip the pull tab at the bottom of the Input Module and lift until its magnets release.
- Remove the Input Module.
- Repeat for any remaining Input Modules.

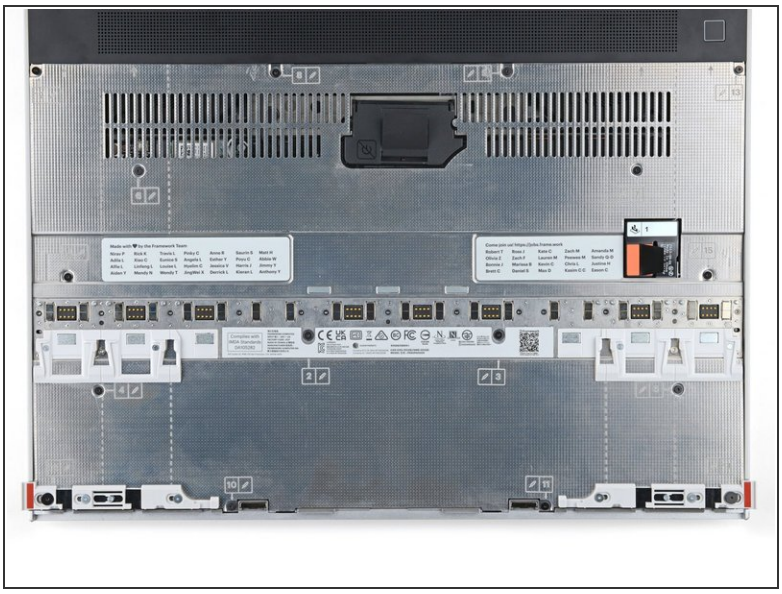
Step 8 — Disconnect the Mid Plate cable

- Grip the black pull tab on the Mid Plate cable press connector and lift up to disconnect it.

Step 9 — Loosen the Mid Plate screws

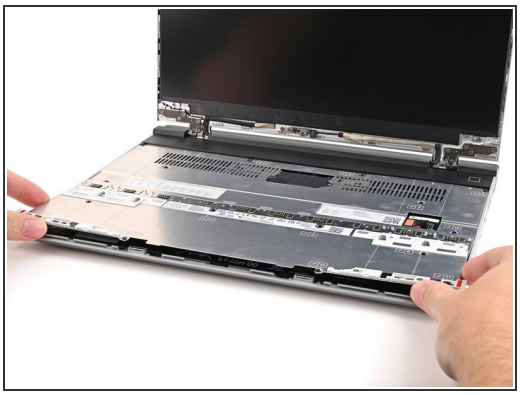




ⓘ The Mid Plate screws are ordered from 2–17 (number 1 is the press connector). You don't have to follow the order, but you can use it to help keep track of the screws you've loosened.

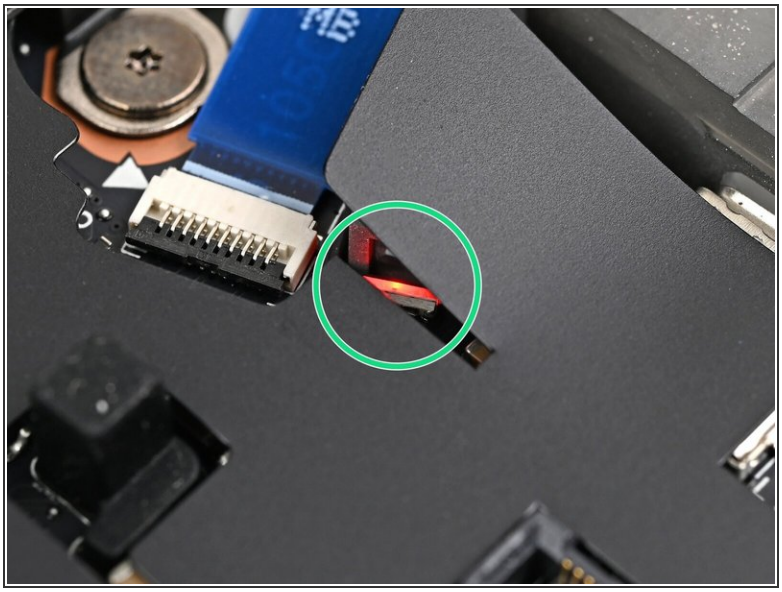
- Use your Framework Screwdriver to loosen the 16 captive T5 Torx screws securing the Mid Plate.

Step 10 — Remove the Mid Plate



- Use your fingers to lift the Mid Plate off the laptop and remove it.

Step 11 — Plug the laptop in



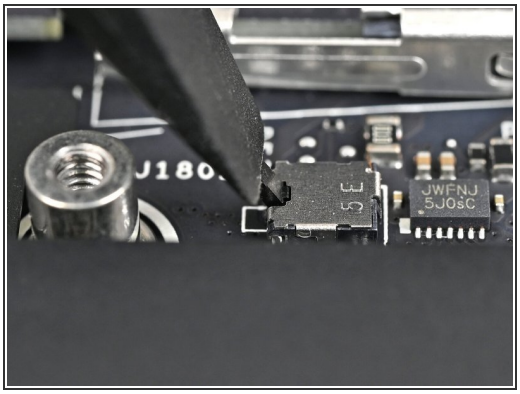
- Plug the laptop into a power source.
- The red status LED near the right Expansion Card slots should blink continuously. If this LED isn't blinking, the laptop isn't receiving power correctly—try another USB-C port.

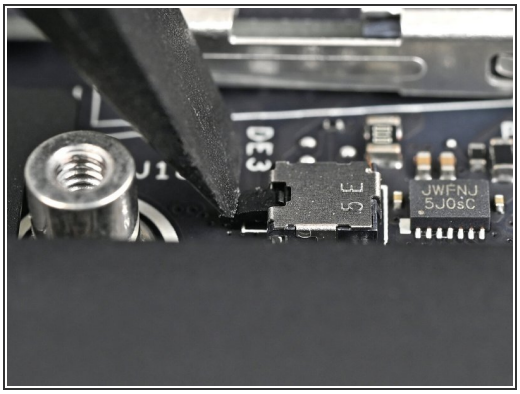
⚠ Don't proceed unless the LED is blinking.

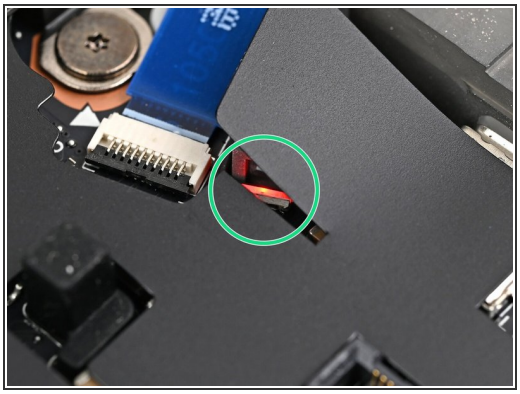
Step 12 — Locate the chassis open switch

- Locate the chassis open switch below the memory.
  - ⓘ This switch is a sensor that detects if the Mid Plate has been removed. It's a small silver block with a black toggle tab.

Step 13 — Press the switch







- Use your finger or the flat end of a Framework Screwdriver to press the chassis open switch **10 times**:
  - Press and **hold the switch down for two seconds**.
  - Release the switch and wait for the indicator LED to resume blinking.
  - Repeat the process 10 times total.

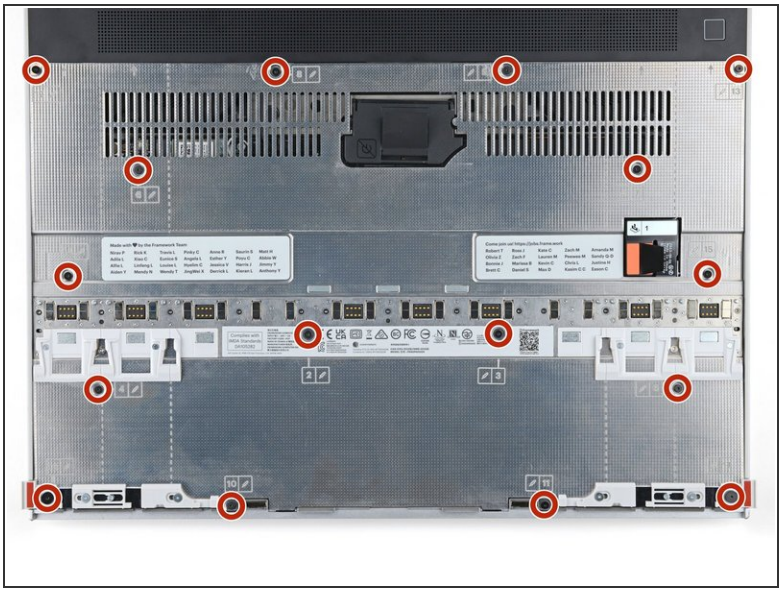
Step 14 — Disassembly complete

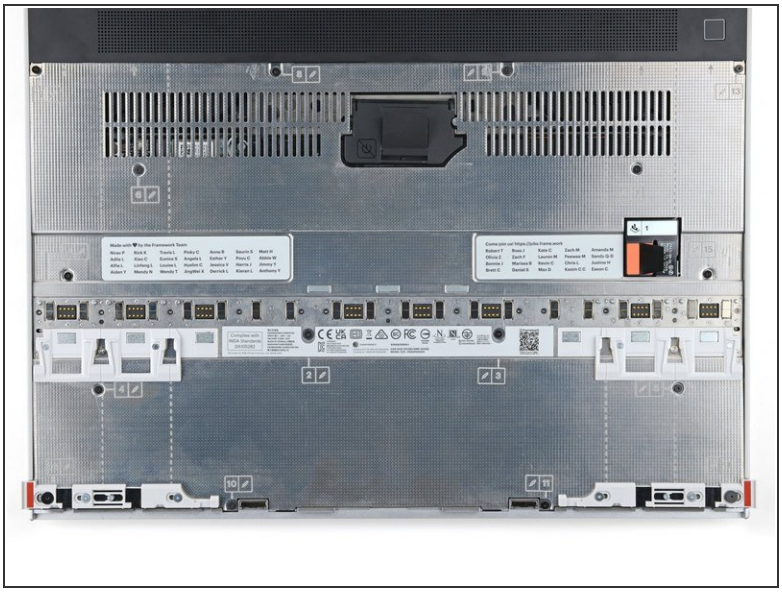
- Congratulations on completing disassembly! **The remaining steps will show how to reassemble your Framework Laptop.**

Step 15 — Place the Mid Plate

- Place the Mid Plate on the laptop, making sure it sits evenly on its alignment pegs.

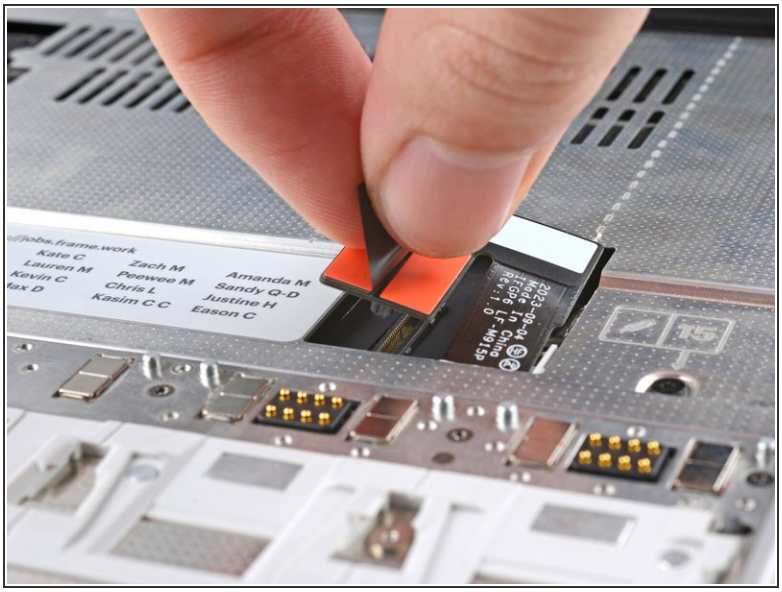
Step 16 — Tighten the Mid Plate screws

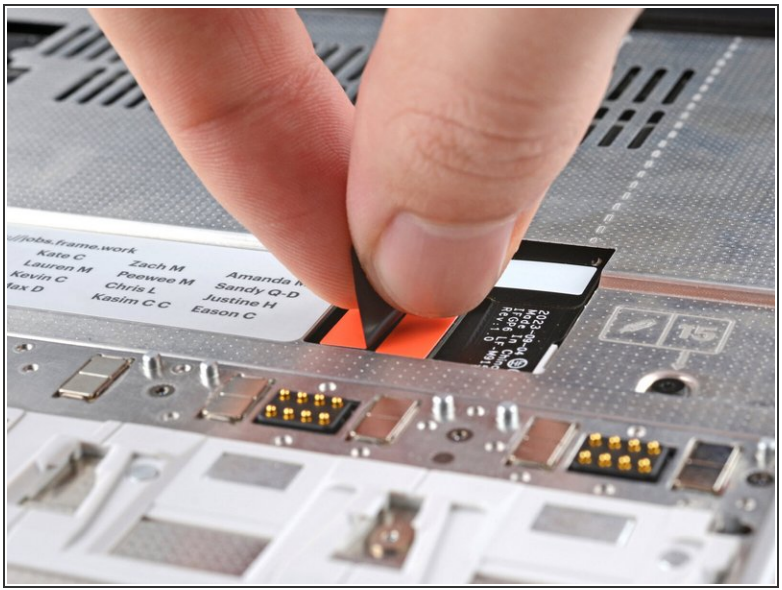




- Use your Framework Screwdriver to tighten the 16 captive T5 Torx screws **in order** (starting with 2) to secure the Mid Plate evenly.

Step 17 — Connect the Mid Plate cable





- Align the Mid Plate cable press connector over its socket and press down to connect it.

Step 18 — Install the Input Modules

ⓘ Your Input Module(s) might be different, but the procedure to remove them is the same.

- Align the top edge of the Input Module with the top edge of the laptop.
- Lay the Input Module on the laptop and let the magnets pull the keyboard into place
  - ⓘ Make sure the Input Module is seated properly on its alignment pegs and sits flush with the edges of the laptop.
- Repeat for any remaining Input Modules.

Step 19 — Install the keyboard

- Align the top edge of the keyboard with the top edge of the laptop.
- Lay the keyboard on the laptop and let the magnets pull the keyboard into place
  - ⓘ Make sure the keyboard is seated properly on its alignment pegs and sits flush with the edges of the laptop.

Step 20 — Install the Touchpad Module

- Place the Touchpad Module flat on its cutout so its clips are properly aligned.
- Press the Touchpad Module down and slide it into place so it lines up evenly with the bottom edge of the laptop.

Step 21 — Install the Touchpad Spacers

- Place the Touchpad Spacer over its spot on the laptop with the bottom edge overhanging slightly.
- Slide the Touchpad Spacer towards the top of the laptop to secure it.
- Repeat the same procedure for the other Touchpad Spacer.

Step 22 — Lock the Input Modules

- Push the Input Module latches back into place to lock them.

You finished fixing your Framework Laptop!

If you need help, contact Framework support.