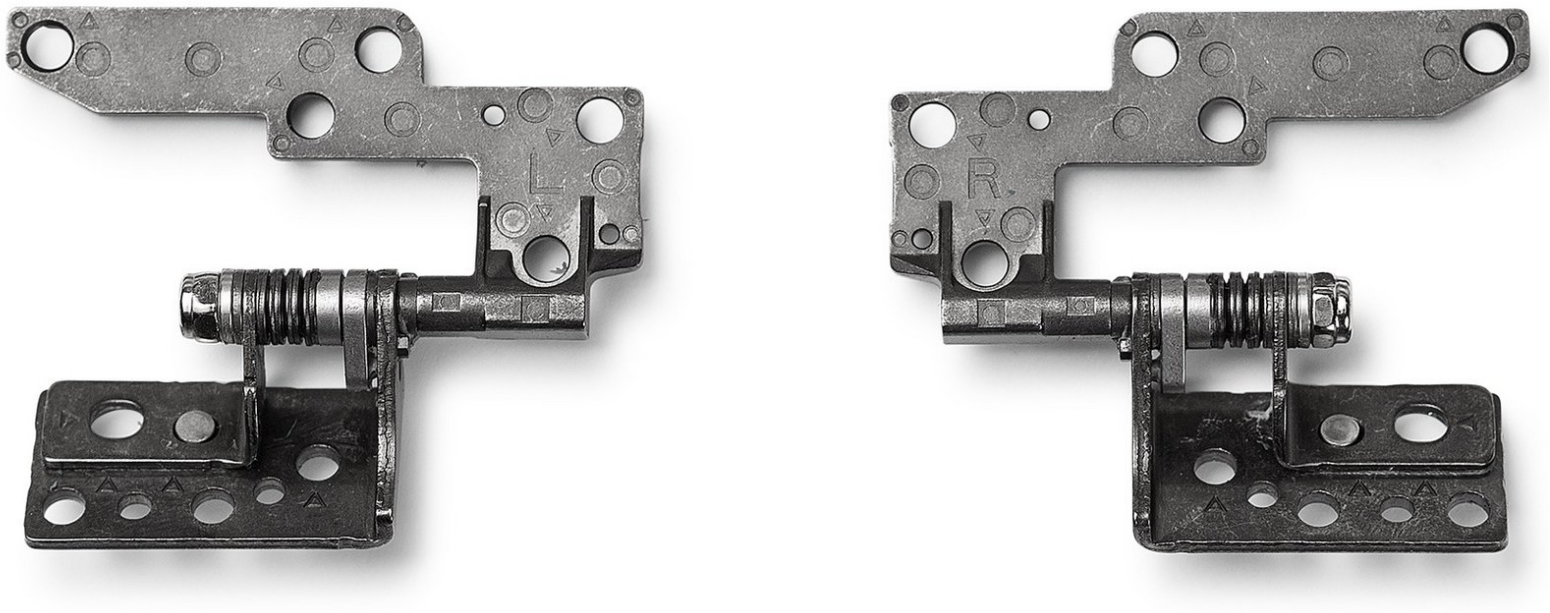
Hinge

Written By: Iroh



This document was generated on 2025-08-23 06:35:45 PM (MST).

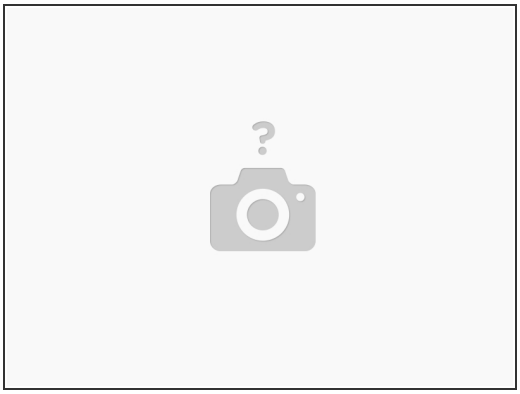
TOOLS:

- Framework Screwdriver (1)

PARTS:

- Hinge Kit (Framework 16) (1)

Step 1 — Shut down your Framework Laptop 16



⚠ Before beginning, make sure to shut down your Framework Laptop.

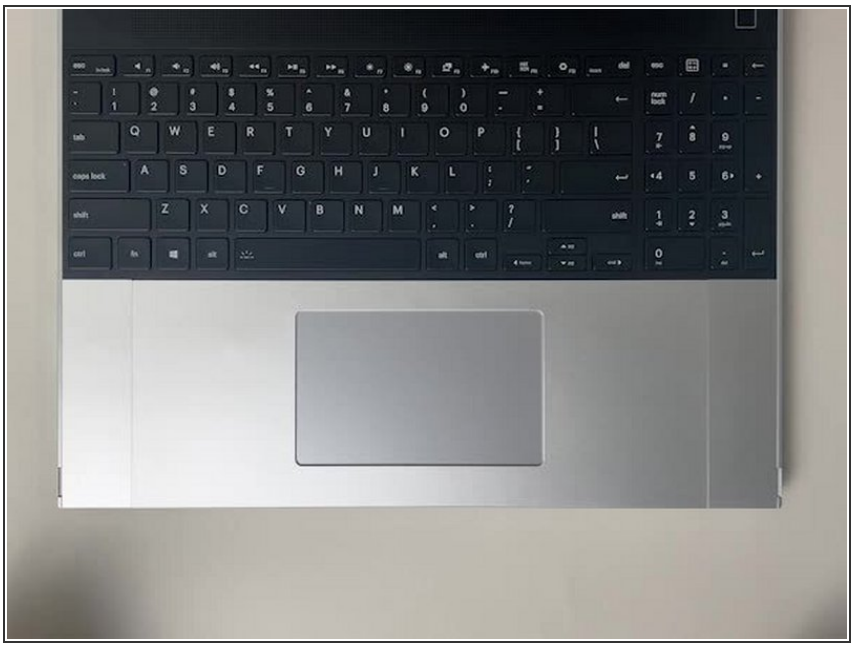
ⓘ If the system is still powered on, you will see the chassis intrusion lights flashing red and blue when the Touchpad and Input Modules are removed.

Step 2 — Remove the Bezel



- Open the Framework Laptop 16 past 90 degrees to remove the Bezel.
- The Framework Bezel is attached by magnets so you will not require any tools to remove it. Just use your fingernail and pry the Bezel away from the display from one of the top corners of the Framework Laptop.
- Once the Bezel starts peeling off towards the bottom of the Display, lift it up using caution. You might feel a little resistance due to the adhesive at the bottom of the display.

Step 3 — Open Input Deck Latches



- In order to remove the Input Modules from the Framework Laptop 16, begin by opening the Input Deck Latches on each side of the Laptop.

ⓘ When the latches are open you can see the red printed on the latch.

Step 4 — Remove Touchpad Spacers



- To remove the Touchpad Spacers, slide them down and then they will lift away easily.

⚠ If there is resistance, make sure that the Input Deck Latches are open (see previous step).

Step 5 — Remove Touchpad Module



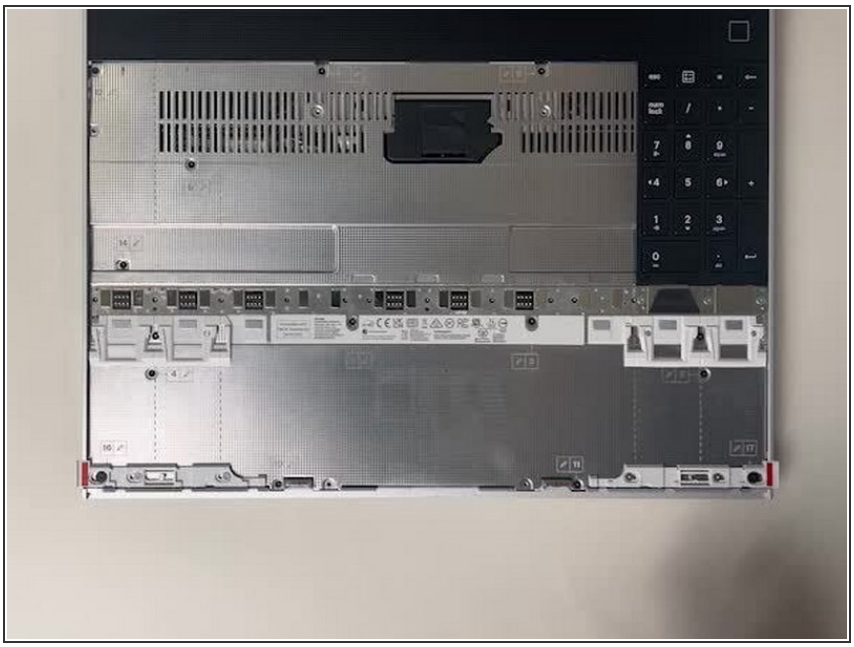
- After removing the Spacers, the Touchpad module can be removed in the same way. Gently slide it downwards from both sides and then lift away as shown.

Step 6 — Remove the Keyboard



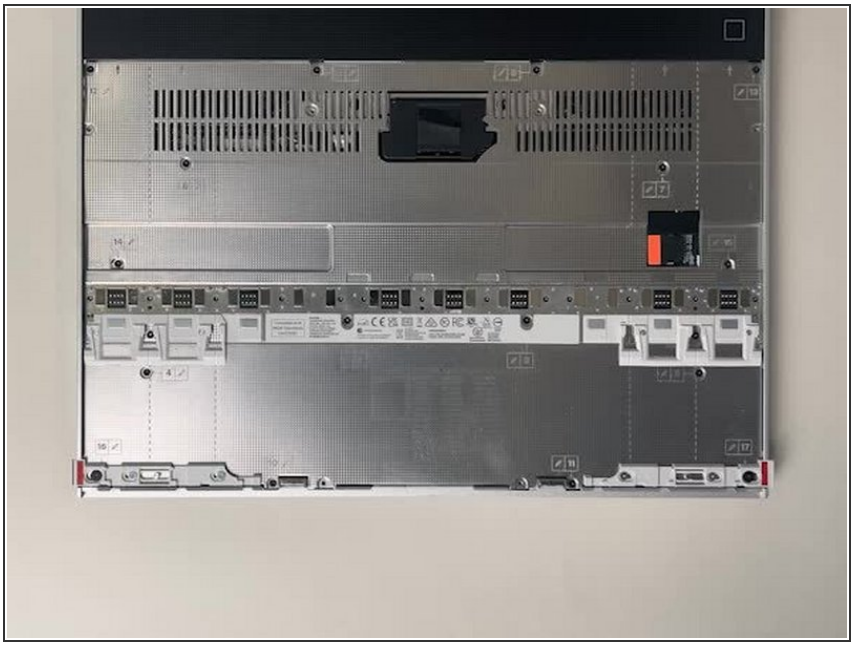
- To remove the Keyboard lift from the bottom using the pull tabs, and once lifted up the Keyboard module should lift out without resistance.
  - ⓘ If your pull tabs are no longer attached, you can carefully use the spudger side of the Framework Screwdriver to lift the module away.

Step 7 — Remove Input Modules



- Remove your Input Modules or Spacers in the same way as the Keyboard, lifting from the bottom using the pull tabs as shown.

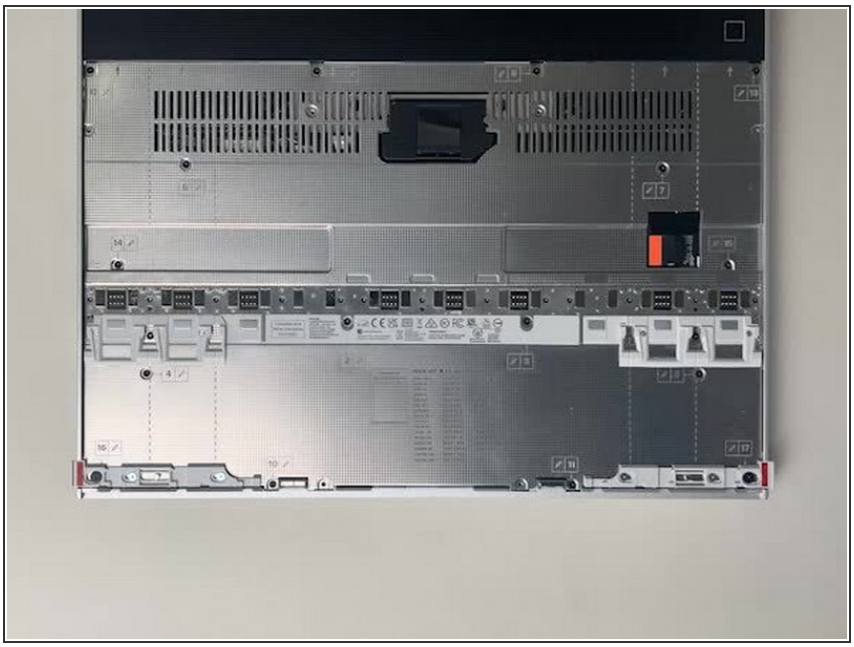
Step 8 — Disconnect Mid Plate Cable



ⓘ This cable is labeled with the Number 1 to indicate that it should be disconnected before loosening the Mid Plate Fasteners.

⚠ It is important to disconnect this cable before removing the Mid Plate as leaving it attached could damage the cable.

Step 9 — Loosen Mid Plate fasteners

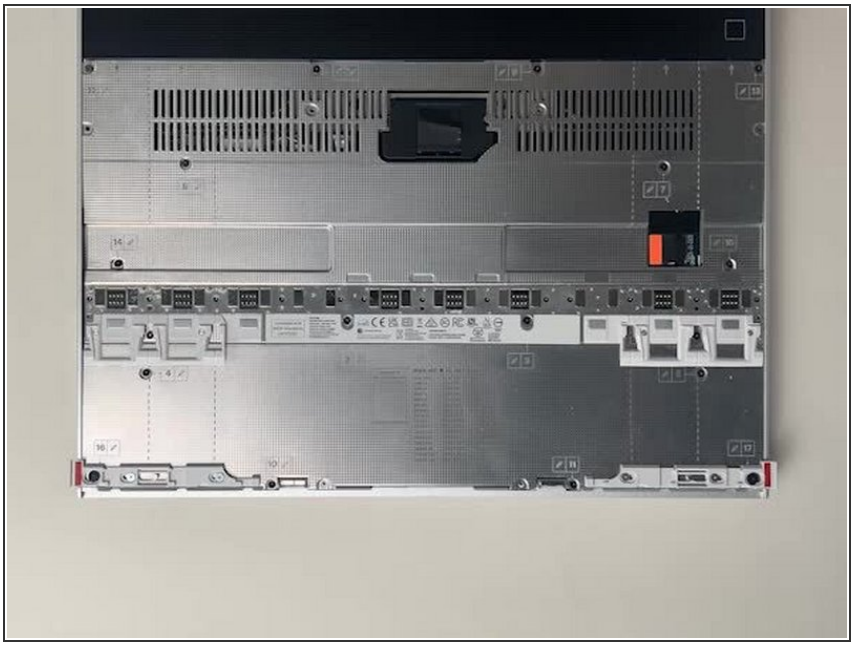


- Using the T5 bit in the Framework Screwdriver unscrew the 16 captive fasteners attaching the Mid Plate to the Bottom Cover. These are numbered from 2-17 (since the Mid Plate Cable is number 1)

ⓘ These fasteners are captive, meaning they will remain attached to the Mid Plate when fully loosened.

⚠ Do not use powered tools for this step as this risks damage to the fasteners, as with all fasteners in the Framework Laptop 16 these can be easily loosened using the included Framework Screwdriver

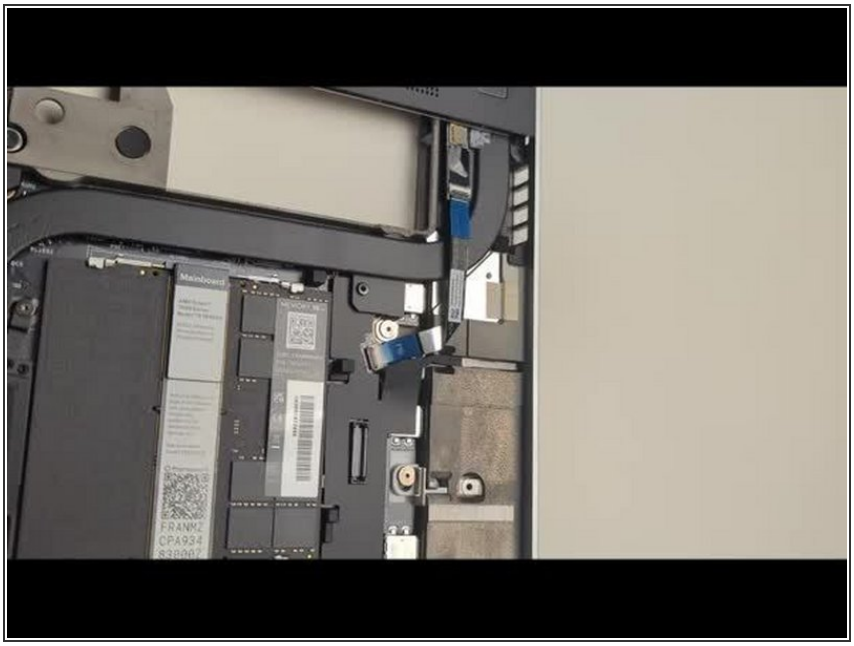
Step 10 — Remove the Mid Plate



- Carefully lift the Mid Plate away from the Bottom Cover and set it aside.

ⓘ If the Mid Plate seems stuck, check the fasteners are all loosened, there should be little resistance.

Step 11 — Disconnect Finger Print Reader



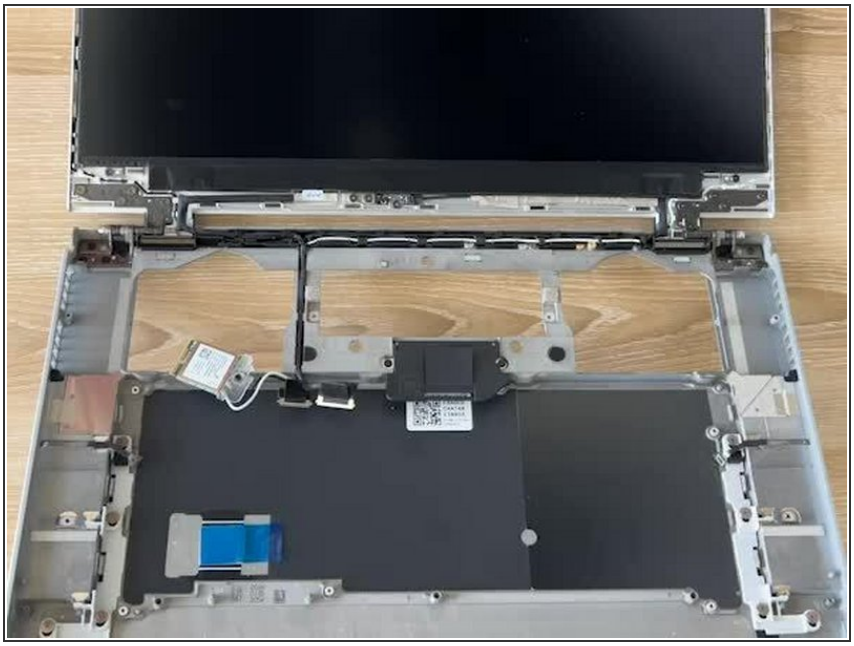
- Using the spudger side of your Framework Screwdriver, flip open the latch securing the Fingerprint Reader cable in place.
- Using the pull tab, gently pull the Fingerprint Reader cable out of the socket on the Mainboard.

Step 12 — Remove the Ventilation Plate



- Since the Ventilation Plate is held in place by the Mid Plate and the module installed in the Expansion Bay, with both of these removed, you can now lift it away from the Bottom Cover.
- As you lift the Ventilation Plate away, peel the light adhesive holding the Fingerprint Reader Cable onto the Bottom Cover as shown.

Step 13 — Unscrew Hinge on Bottom Cover

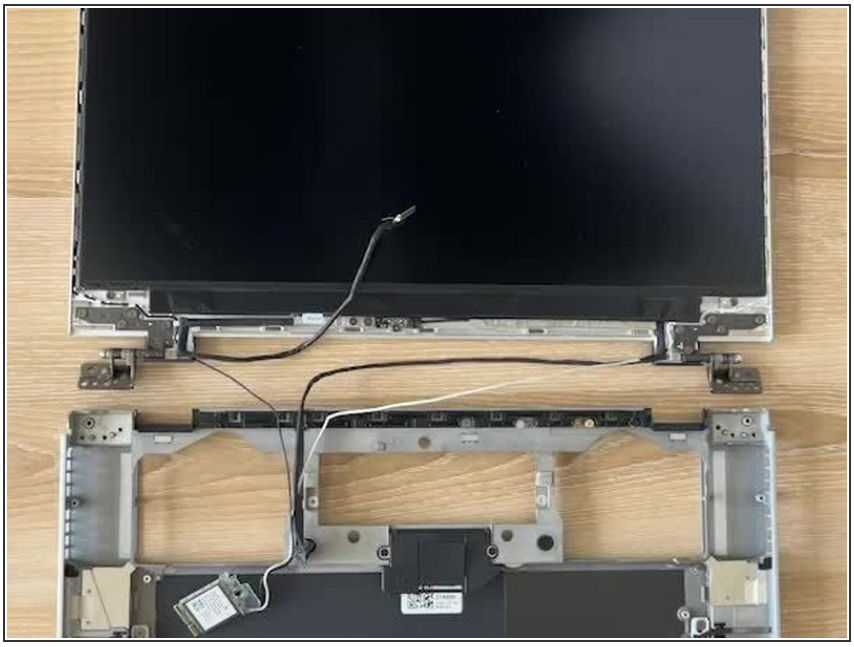


- Rest the device on the Top Cover. This way the Display/ Top Cover will not fall over and become

damaged when unscrewing the Bottom Cover.

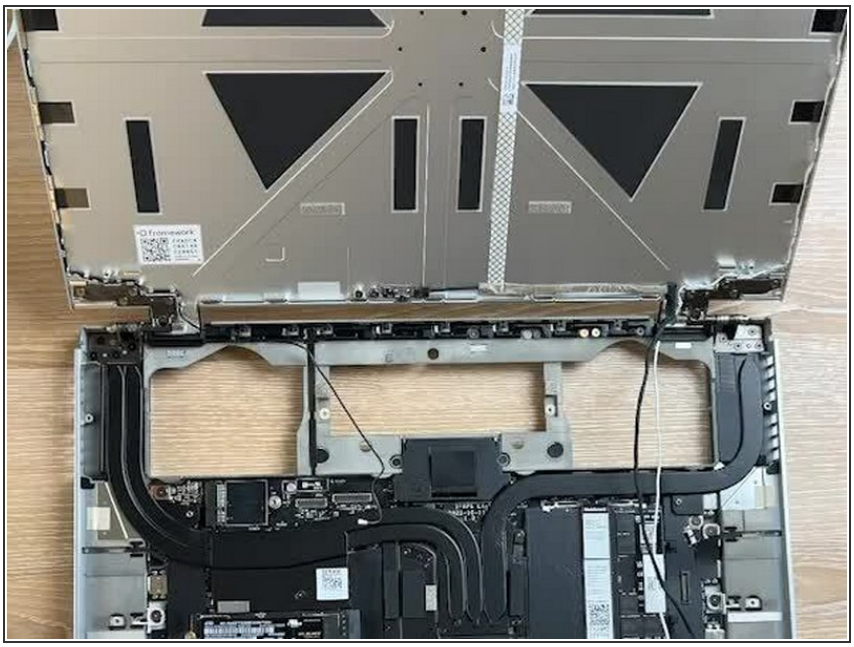
- Unscrew 3 of the 4 screws on each side (*6 total*) attaching the Hinge to the Bottom Cover.
  - ⚠ **These screws are not captive, so make sure you place them in a safe place and do not lose them.**
- With these 6 screws removed, place your hand under the Bottom Cover supporting it; and remove the final screw on each side of the Hinge.
- The Bottom Cover should now be free.

Step 14 — Screw in Hinge to Bottom Cover



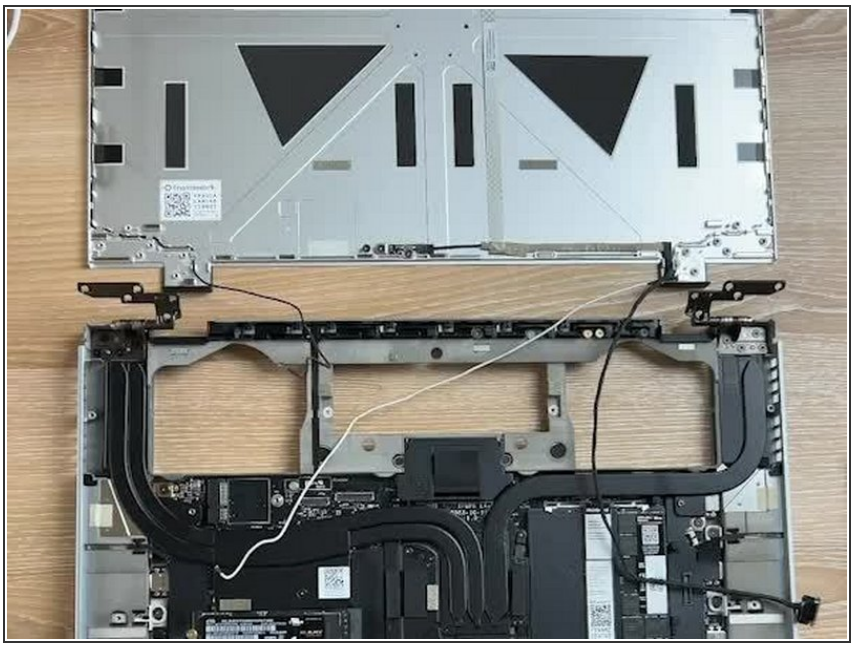
- Rest the device on the Top Cover. This way the Display/ Top Cover will not fall over and become damaged when screwing in the Bottom Cover.
- Screw in all 8 screws going back and forth between each Hinge.
  - ⓘ This makes sure the load is spread evenly between each.

Step 15 — Unscrew Hinge on Top Cover



- Rest the device on the Bottom Cover. This way the device will not fall over and become damaged when unscrewing the Top Cover.
- Unscrew 4 of the 5 screws on each side (8 total) attaching the Hinge to the Bottom Cover.
  - ⚠ **These screws are not captive, so make sure you place them in a safe place and do not lose them.**
- With these 8 screws removed, place your hand under the Top Cover supporting it; and remove the final screw on each side of the Hinge.
- The Top Cover should now be free.

Step 16 — Screw in Hinge to Top Cover



- Rest the device on the Bottom Cover. This way the device will not fall over and become damaged when screwing in the Top Cover.
- Screw in all 10 screws going back and forth between each Hinge.
  - ⓘ This makes sure the load is spread evenly between each.

Step 17 — Install Ventilation Plate



- Place the Ventilation Plate into place as shown, the holes for fasteners will align with the bottom cover.
- Gently press down the Finger Print Reader cable to stick it to the Bottom Cover.

Step 18 — Connect Fingerprint Reader Cable



- With the latch on the Mainboard open, connect the Fingerprint Reader cable to the Mainboard as shown.

ⓘ This is quite a small connector so you may find it easiest to use the tab on the cable to push the cable into place.

- Once fully inserted, close the latch on the Mainboard to secure the cable in place.

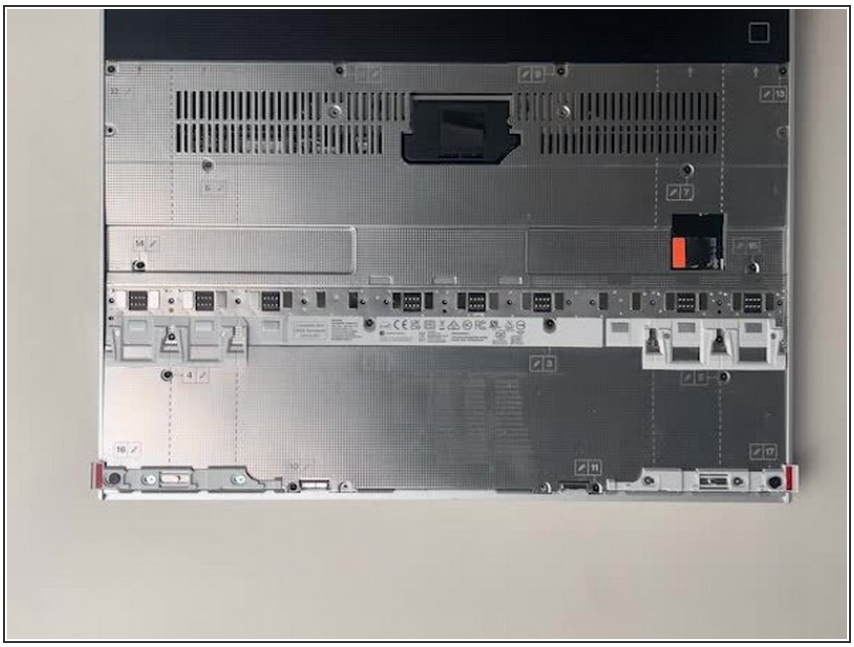
Step 19 — Install the Mid Plate



- Place the Mid Plate onto the system, aligning the holes in the Mid Plate with the two guide posts.
- These posts are on the left side and the right side, immediately above the speakers on both sides.

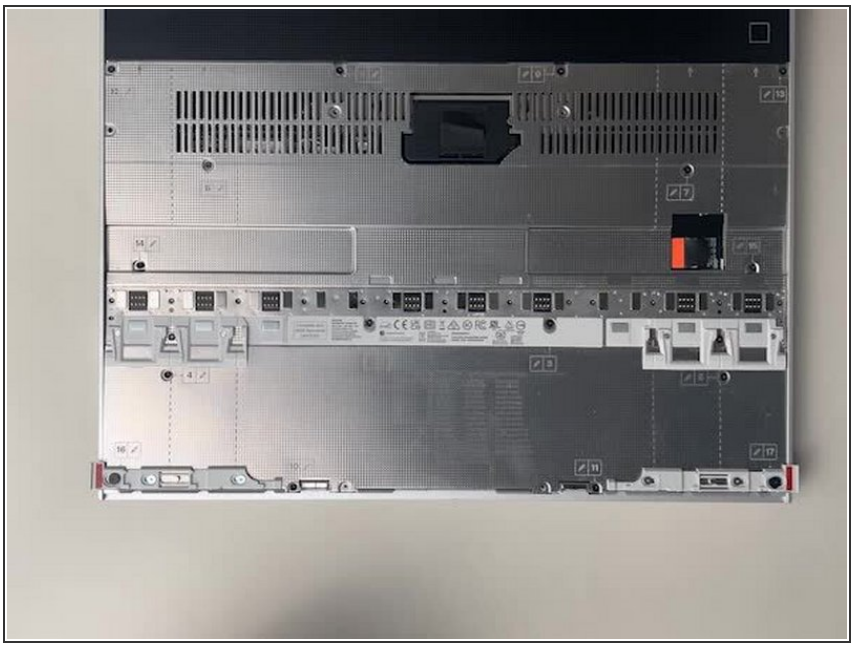
⚠ Take extra time to make sure it's sitting level/ flush.

Step 20 — Connect Mid Plate Cable



- Using the pull tab, gently press the Mid Plate connector down to connect it to the Mainboard.
- Carefully align, then firmly press in the mid plate connector cable.

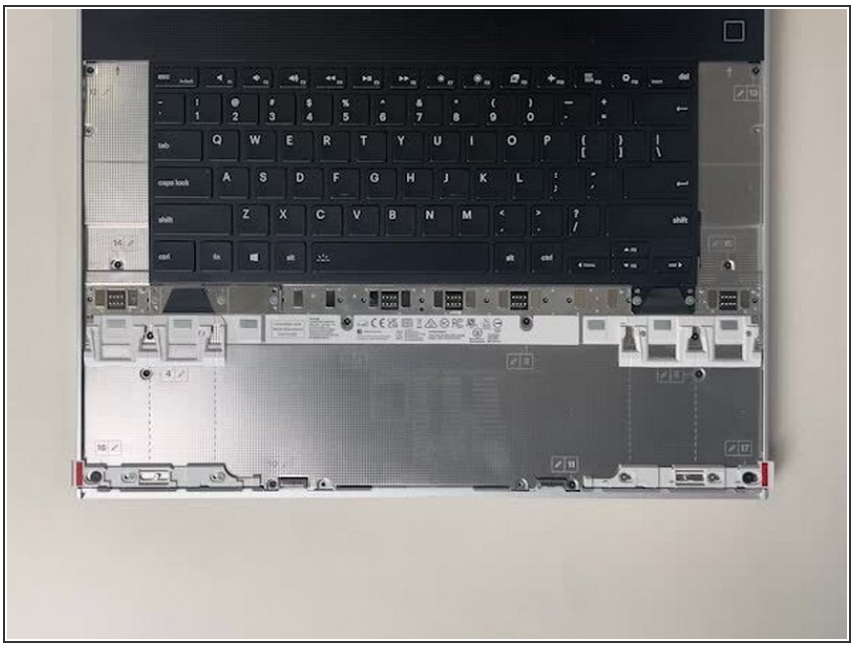
Step 21 — Tighten the Mid Plate fasteners



- Using the T5 bit in the Framework Screwdriver tighten the Mid Plate fasteners.
- Before gently tightening the screws, double check that the mid plate is aligned correctly as shown in previous step.
- These fasteners are labelled 2-17 (since the Mid Plate cable is number 1) and should be tightened in order, starting with 2 and ending with 17.

⚠ Do not overtighten these fasteners, and we recommend against the use of powered tools for these or any other fasteners on the Framework Laptop 16.

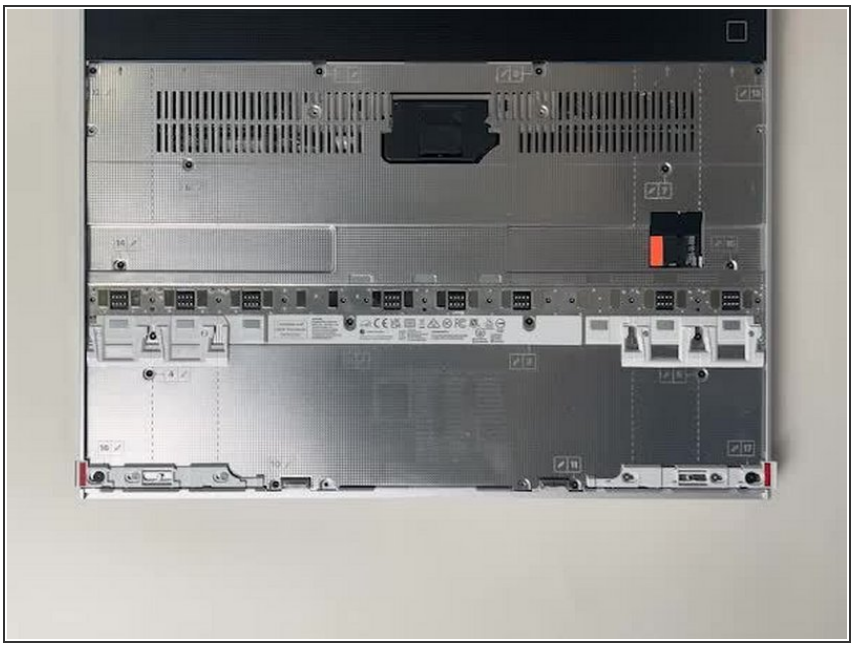
Step 22 — Install Input Modules



- Next install, two Spacer Modules, an LED Matrix, a Numpad, an RGB Macropad, or whichever other combination of two Small or one Medium sized Input Module you have.
- Slide these in at an angle and lower into place, the same way the Keyboard was installed.

ⓘ Whichever Input modules you chose to install, you should have no empty spaces in the top row before proceeding to the next step.

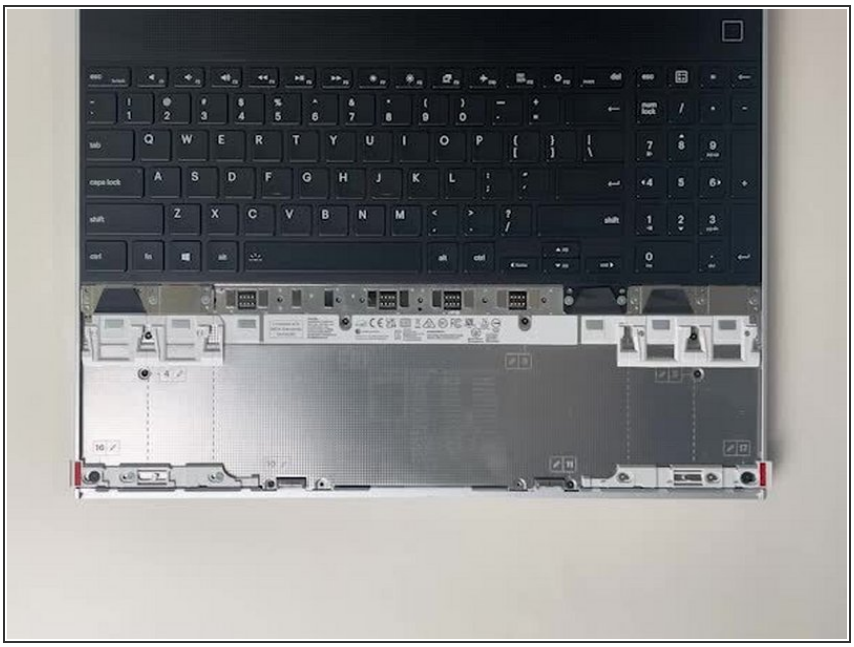
Step 23 — Install the Keyboard



ⓘ Please see our guide **here** on possible Input Module configurations.

- Holding from the pull tabs at the bottom of the Keyboard module, line it up with the dashed guide lines printed on the Mid Plate. Note that you can align a Keyboard so that it is either along the left edge, the right edge, or centered. With the Keyboard held at a 20 degree angle, slide it up into place.
- The notches along the top of the Keyboard will fit into the corresponding alignment guides under the Ventilation Plate.
- Lower the Keyboard gently into place, it should snap in place magnetically and sit flat.
  - ⓘ Ensure that the pins in the Mid Plate to the left and right of the Input Module Connector align into the corresponding holes in the Keyboard module.

Step 24 — Install Touchpad Module



- Place the Touchpad Module flat, slightly below the Keyboard as shown.
  - Like the Keyboard, you can confirm it is properly aligned by lining it up to the dashed lines on the Mid Plate.
- Applying gentle downward pressure to keep the Touchpad module flat, slide it up into place.
  - Remember that the Input Deck Latches should still be open at this point, otherwise the Touchpad Module won't slide on.

The Touchpad Module can be installed either directly below the Keyboard or offset by one space to the right. For example, the Keyboard can have the Touchpad below it, or the Keyboard can be left-aligned while the Touchpad is centered.

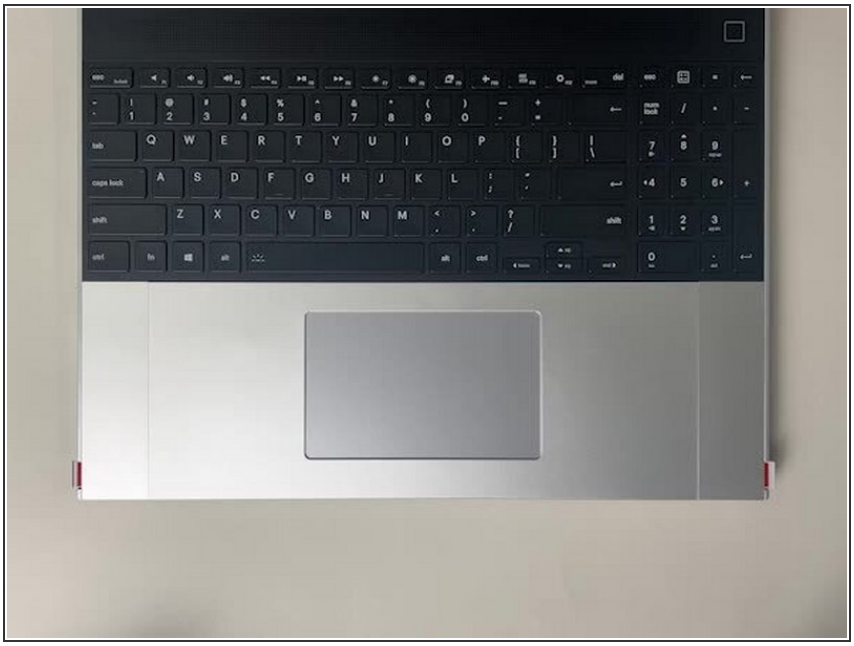
Step 25 — Install Touchpad Module Spacers



- Just like installing the Touchpad module, place the Touchpad Spacers flat on the Input Deck, slightly below the Keyboard or Spacers above.
- Applying gentle pressure, slide the Touch Module Spacers into place.

ⓘ With the Touchpad Module Spacers installed there should now be no empty spaces on the Input Deck.

Step 26 — Close Input Deck Latches



- Once all Input Modules are installed, close both Input Deck Latches to secure them in place.

Step 27 — Install the Bezel



- Open the Framework Laptop 16 lid to more than 90 degrees to attach the Bezel.
- Align the corners of the Bezel to the display and place it down. The Bezel is attached by magnets and should easily click into place.
- Make sure that all of the corners and edges of the Bezel are fully flat to the Top Cover. If the corners are not aligned. carefully lift up the part of the Bezel and guide it into place.
- If installing a new Bezel, remove the protective film covering the Webcam and sensor.