Audio Board Replacement Guide

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TOOLS:

- Framework Screwdriver (1)

PARTS:

- Audio Board Kit (1)

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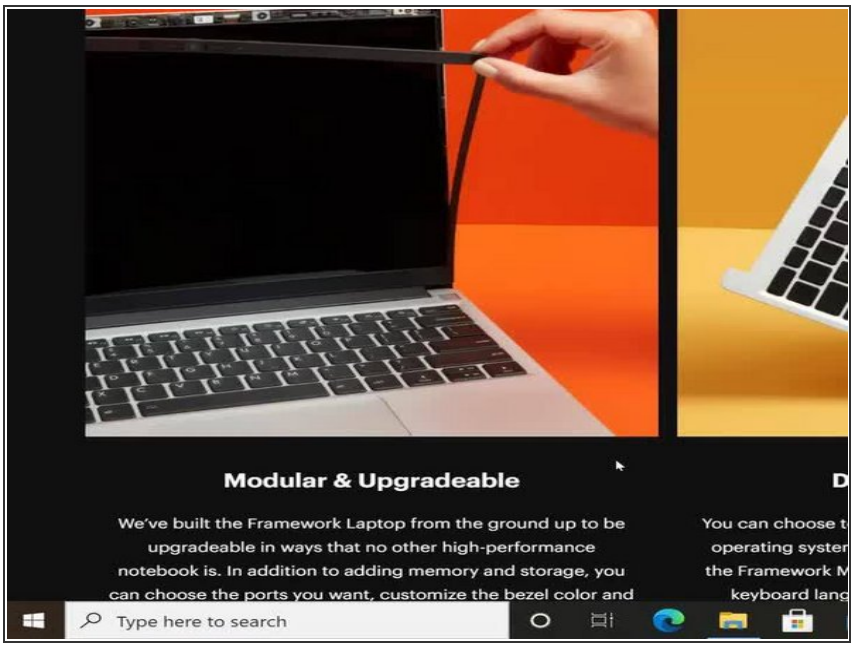
Step 1 — Shut down the Framework Laptop

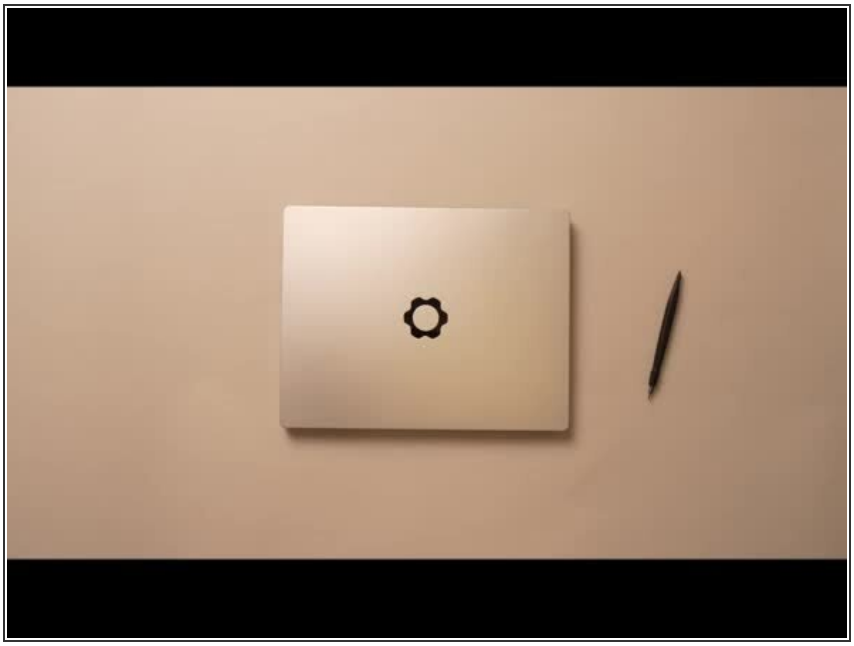


- Power off the Framework Laptop by navigating to the Windows icon on the bottom left and clicking on "Power" followed by "Shut down," or if on Linux, the equivalent action there.

Step 2 — Unplug power

- Unplug your power cable from the USB-C Expansion Card in your Framework Laptop.

Step 3 — Unscrew the five fasteners on the Bottom Cover



- Close the lid on your Framework Laptop and place it upside down on a soft, non-marring surface, such as the bag that it shipped in.
- Using the T5 bit in the Framework Screwdriver, unscrew the 5 fasteners on the Bottom Cover. These fasteners will remain attached in the Bottom Cover so that you do not lose them.
- The fastener on the bottom left (circled in red) will not unscrew as far as the others, as it is acting as a lifter for the Input Cover.

⚠ You'll hear this fastener start clicking as you rotate when it is unscrewed far enough.

⚠ Do not use a powered tool for these steps, as this will likely result in damage to the fasteners.

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Step 4 — Lift up and flip over the Input Cover

- Flip the Framework Laptop back over and open the lid to around 120 degrees.

⚠ **Important: Pull the Input Cover off carefully as it is still attached to the Mainboard via the Touchpad Cable.** You don't need to disconnect this cable to do most repairs. You can just flip the Input Cover over. If you do want to disconnect it though, make sure to disconnect the Mainboard side using the finger loop over the orange label.

- The bottom right corner of the Input Cover lifts up when the five fasteners are properly unscrewed from the previous step. You should not have to use any excessive force to remove the Input Cover.

- Carefully lift the cover up from the bottom right corner. If you need to, you can use the spudger end of the Framework Screwdriver to lift it as well. Lift the Input Cover off the Mainboard, flip it over (keyboard side down), and place it about halfway on the Bottom Cover.

  ⚠ Be sure not to put too much force on the Touchpad Cable when doing this.

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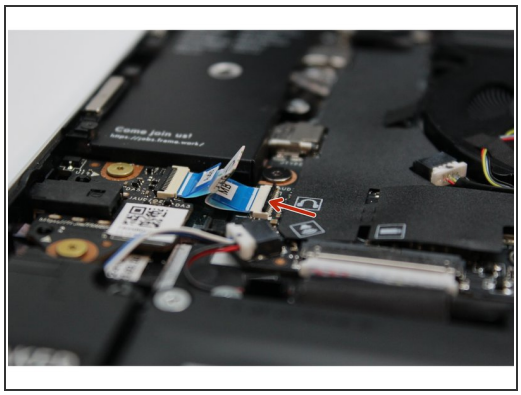
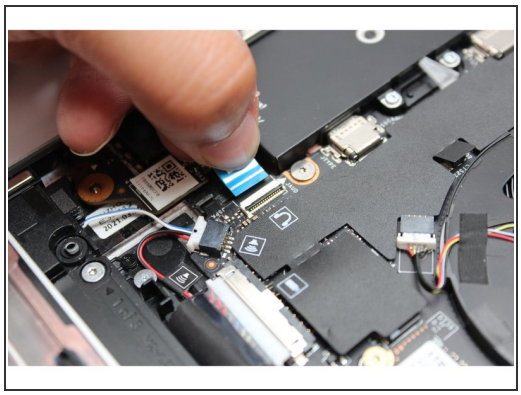
⚠ If the LEDs on the left and right sides of the system are flashing red when you lift off the cover, it means the system is still powered on. Make sure your power cable isn't plugged in and that you have shut down correctly.

ⓘ Note that it may take up to 30 seconds after shutting down for the system to fully power off. Wait until the LEDs stop flashing before proceeding.

⚠ **You should keep the Battery connector plugged in unless you need to replace the Battery, Mainboard, or Speakers. This connector is easy to accidentally damage, so it's better to not handle it.**

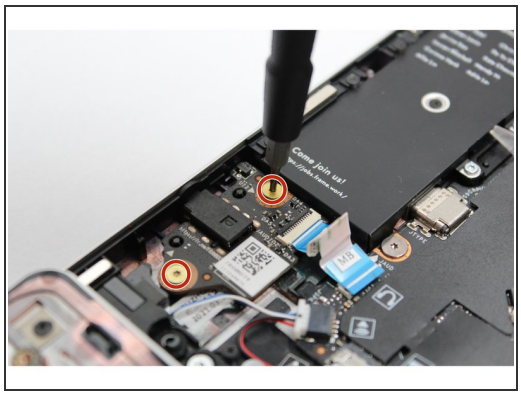
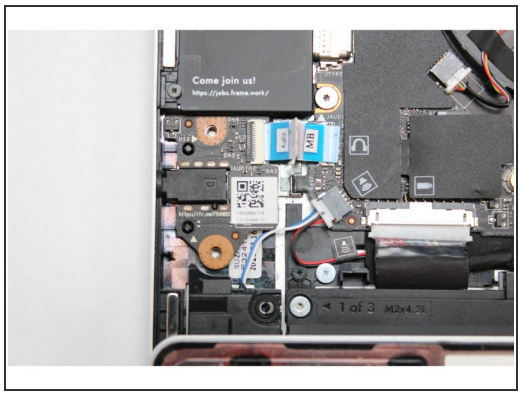
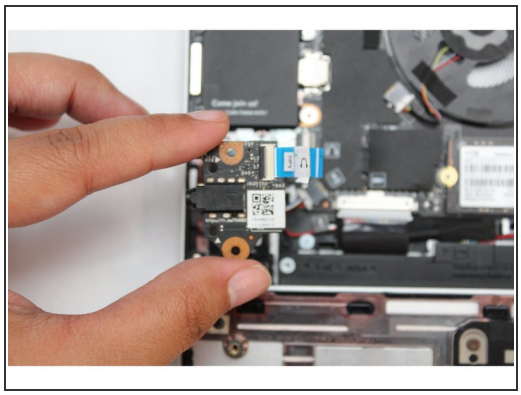
Step 5 — Disconnect the Audio Cable from the Mainboard





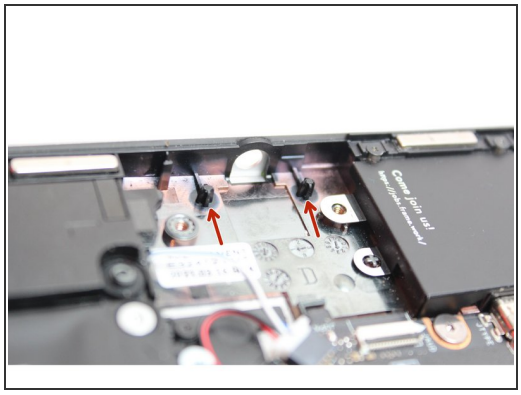
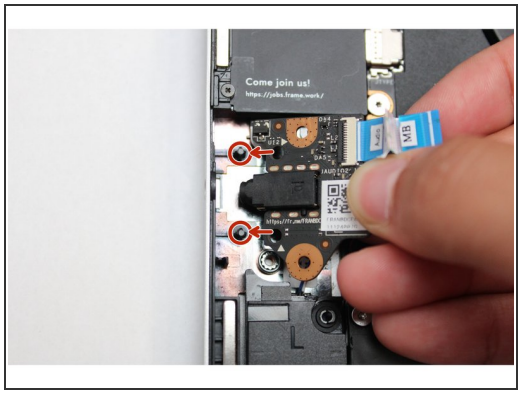
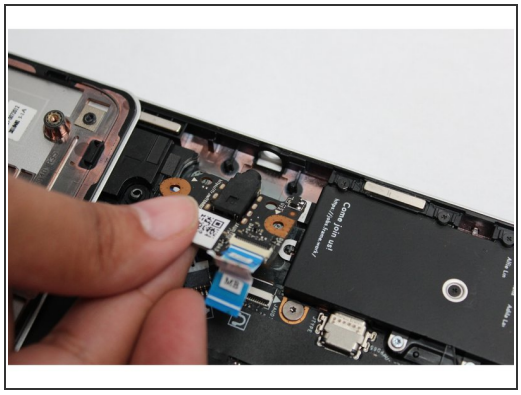
- Using your fingernail or the spudger end of the Framework Screwdriver, flip up the black latch on the connector.
- Slide the cable straight out of the connector.

Step 6 — Remove the fasteners

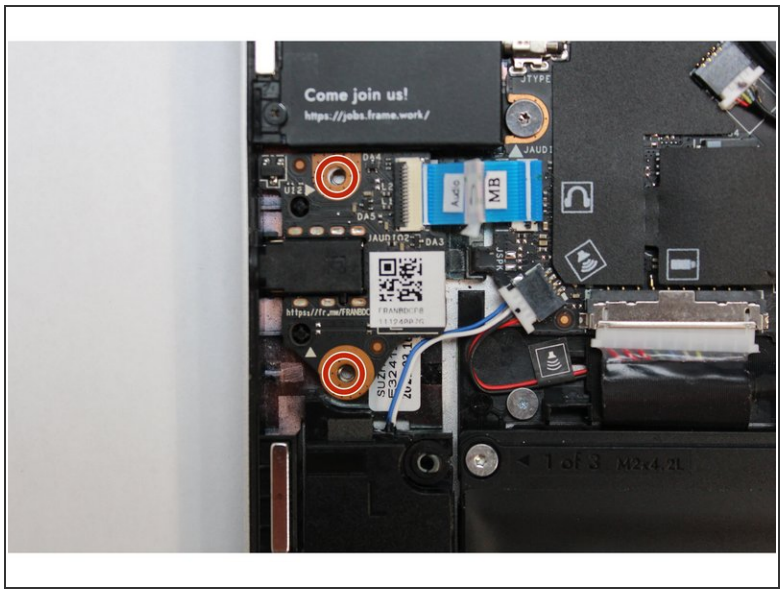
- Using the T5 bit in the Framework Screwdriver, unscrew the two fasteners on the Audio Board.
- Using your finger or the spudger end of the Framework Screwdriver gently lift up the Audio Module from the right-hand side and pull it away from the headphone jack.

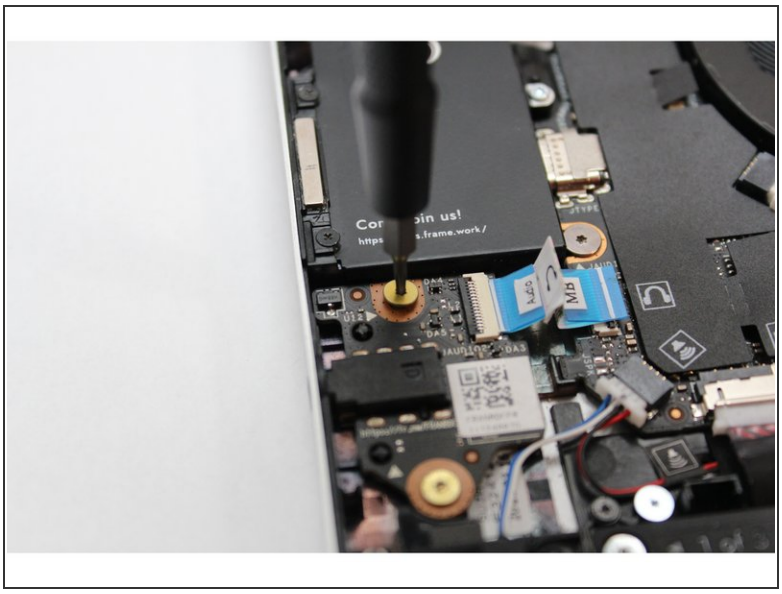
Step 7 — Install the new Audio Board

- Place the Audio Board down by aligning the holes on the Audio Board with the alignment pins on the Bottom Cover and insert the headphone connector through the hole on the left hand side of the Bottom Cover.

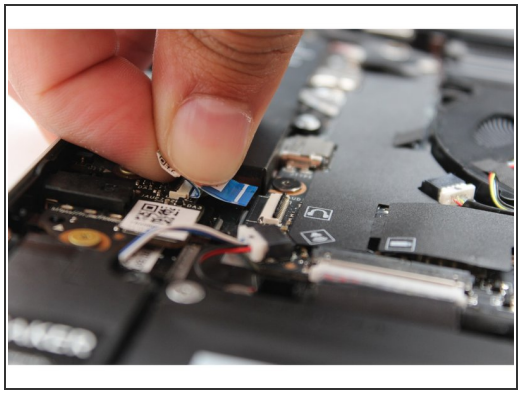
Step 8 — Screw the fasteners into the Audio Board

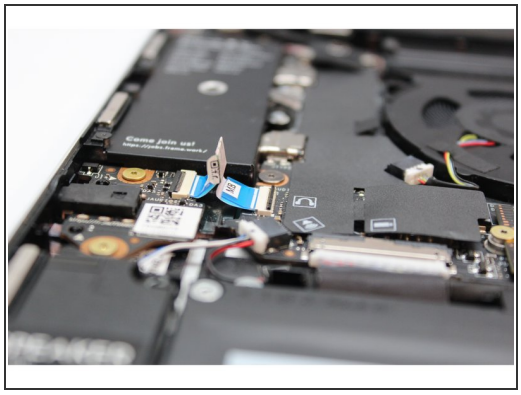


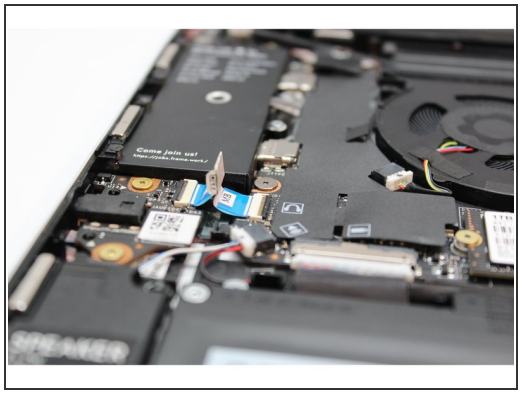


- Using the T5 bit in the Framework Screwdriver screw in the two fasteners.

Step 9 — Connect the Audio Cable

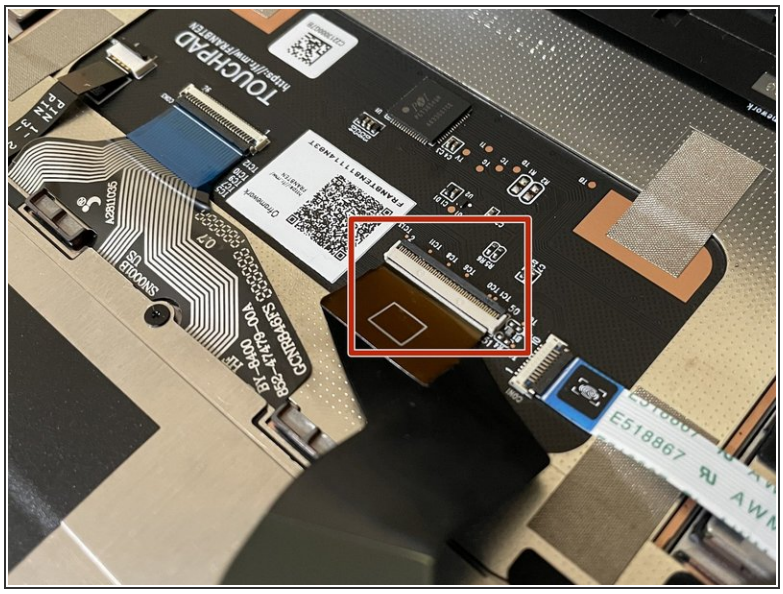


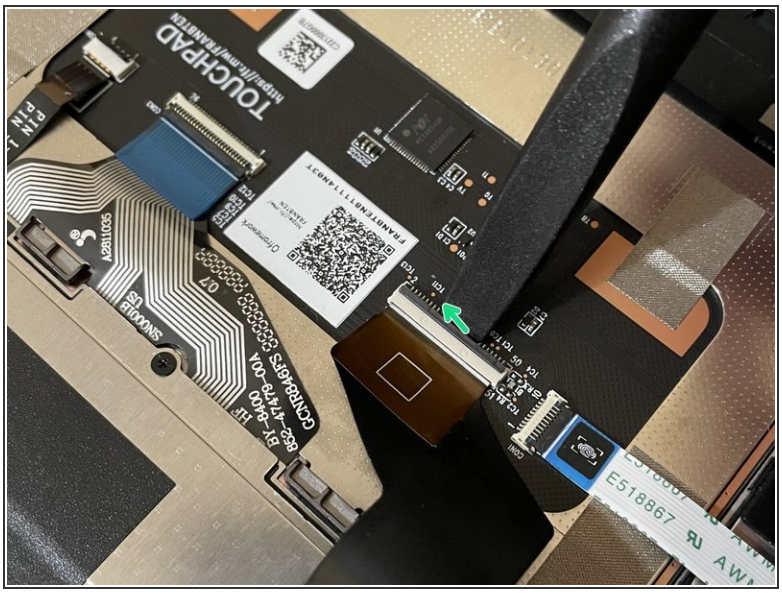




- Insert the Audio Cable back into the Mainboard. Make sure the black latch is flipped up so that you can slide the cable into the connector.
- Slide the cable in until the white line is almost at the edge of the connector.
- Flip the black latch down to secure the cable in place.
- The Audio Board is now installed.

Step 10 — Make sure the Touchpad side of the Touchpad Cable is fully inserted





⚠ Before closing up the laptop, make sure that the Touchpad end of the Touchpad Cable is fully seated in the receptacle.

- The cable should be inserted far enough that the white line almost touches the receptacle.
  - If it is not inserted far enough, you'll need to flip up the black latch on the other side of the connector, slide the cable in further, and then close the black latch again.

Step 11 — Flip the Input Cover into place

- Flip the Input Cover over the Bottom Cover so that the keyboard is facing up and attach it to the Bottom Cover by aligning the top and bottom edges of both covers.
- Tip: The covers are magnetic and should fit into one another easily. If you feel any resistance simply lift the Input Cover up and try again.

Step 12 — Screw the fasteners into the Bottom Cover

- Close the Framework Laptop and turn it upside down to reveal the five fasteners on the Bottom Cover.
- Using the T5 bit in the Framework Screwdriver, screw all 5 fasteners back into the Bottom Cover.

⚠ Be sure to not over-tighten the fasteners.

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- To purchase a Framework Laptop visit the Framework website
- Want to learn more about the Framework Laptop? Take a look at ourblog
- If you have any questions or concerns, feel free to reach out toFramework Support

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