



Battery Replacement on Framework Laptop 12

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INTRODUCTION

Follow this guide to remove and replace the battery in your Framework Laptop 12.

All batteries are consumable items—they'll wear out over recharge cycles and need to be replaced. Thankfully, you can easily replace a worn out battery in your Framework Laptop!

You'll encounter some component terms in this guide:

- The **Input Cover** is the part that contains the Keyboard and Touchpad.



TOOLS:

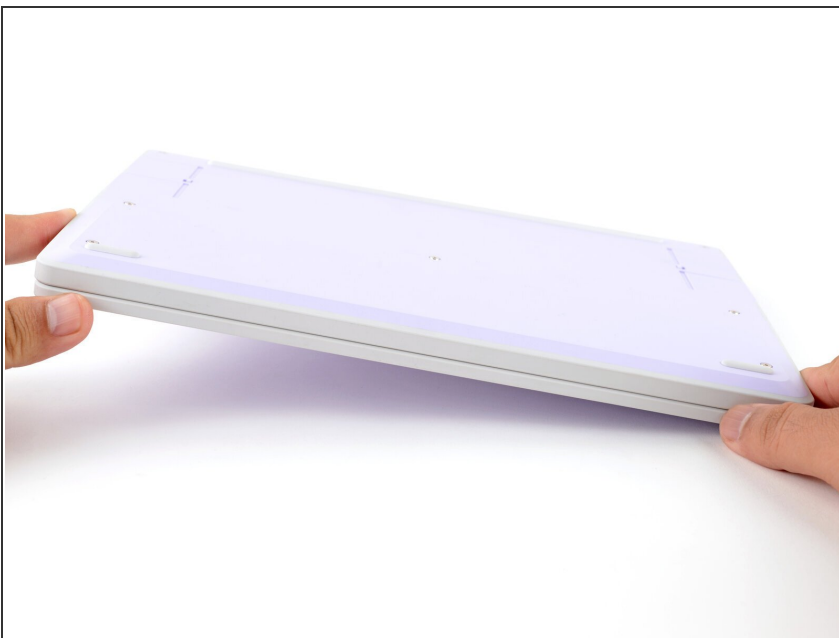
- [Framework Screwdriver](#) (1)
-

Step 1 — Power down your Laptop



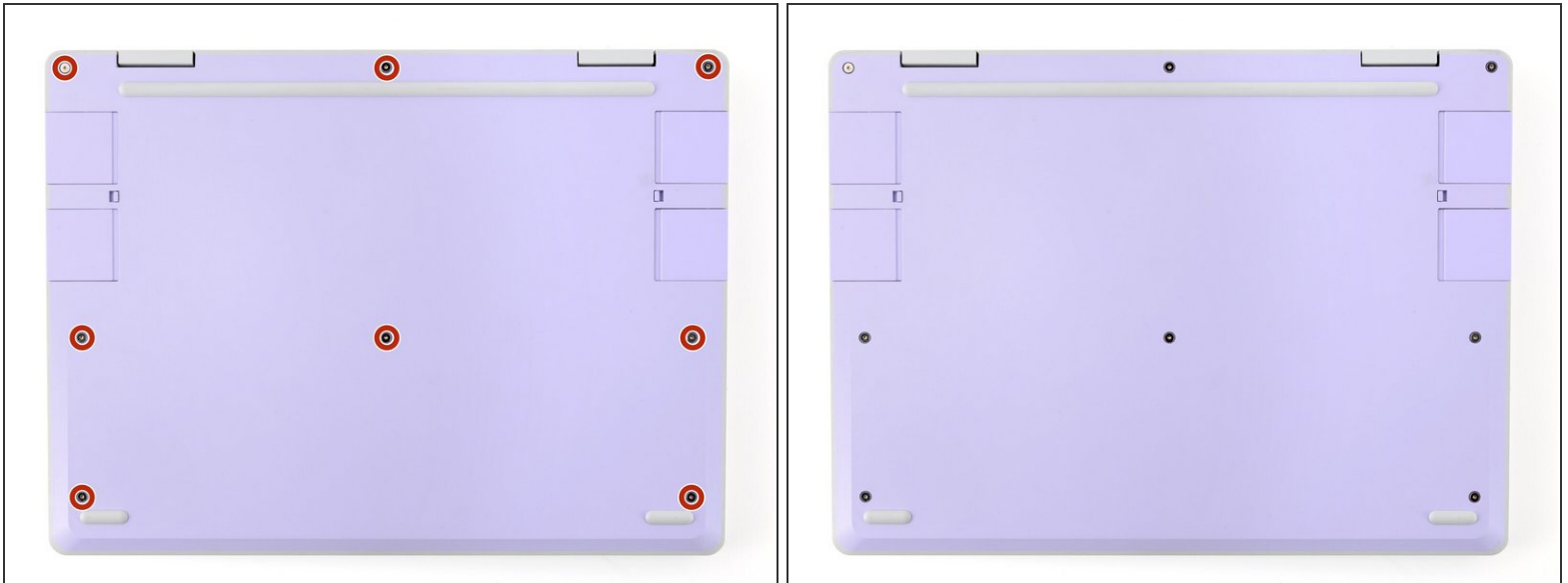
- Before you begin repairs, unplug your Laptop and **shut it down from the operating system**. This ensures that the Laptop isn't in standby/suspend mode.
 - ⓘ The indicator LEDs along the edges should be unlit. The Laptop should be silent.
 - ⓘ If you accidentally turn on the Laptop during repair, hold the power button down for 10 seconds to shut it down.
- Make sure your Framework Screwdriver has the T5 Torx bit (labeled as T-5) facing outwards. If it's not, pull the bit out and flip it.

Step 2 — Set your Laptop down



- Set your Framework Laptop face-down on a clean work surface.

Step 3 — Loosen the bottom screws



- Use your Framework Screwdriver to fully loosen the eight captive T5 Torx screws on the bottom of your Laptop.
 - ① Most screws in your Framework Laptop (including these) are captive—they're designed to stay in place after you loosen them.
 - ① Your Laptop comes with a spare set of screws [in the frame above the battery](#). Be careful—the replacement screws aren't captive.

Step 4 — Flip your Laptop over



- Flip your Laptop over so it's face-up on your work surface.

Step 5 — Open your Laptop



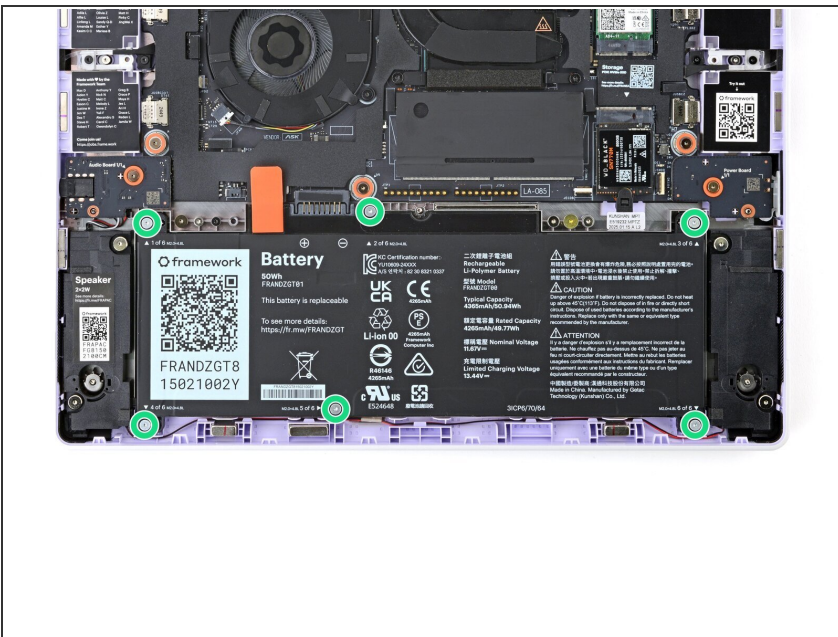
- Open the Laptop lid so that both the screen and the base lie flat on your work surface.

Step 6 — Remove the Input Cover



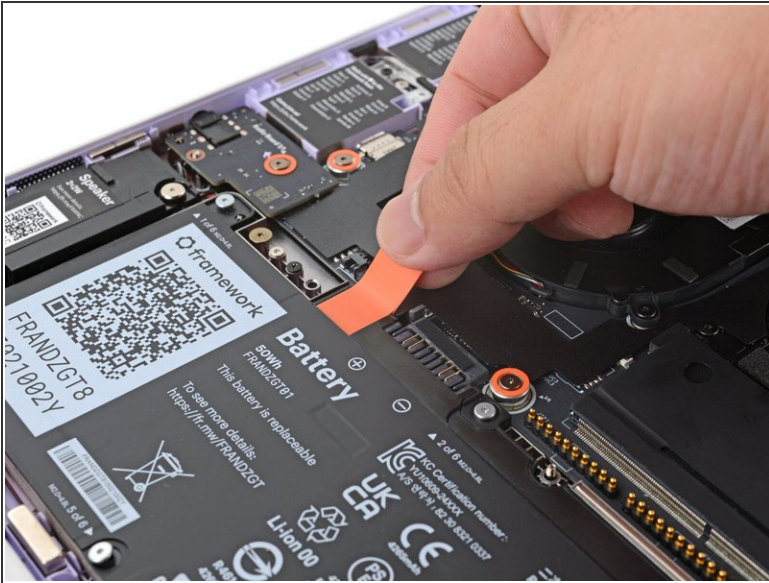
- Use your fingers to grip the Input Cover in the hinge cutouts.
- Lift upwards to swing the Input Cover up from the base of the Laptop.
 - ⓘ There are magnets holding the Input Cover down, so you'll feel some resistance. If it feels like a lot of force is required, check that you've fully loosened all the screws on the bottom of your Laptop.
- Remove the Input Cover.

Step 7 — Loosen the battery screws



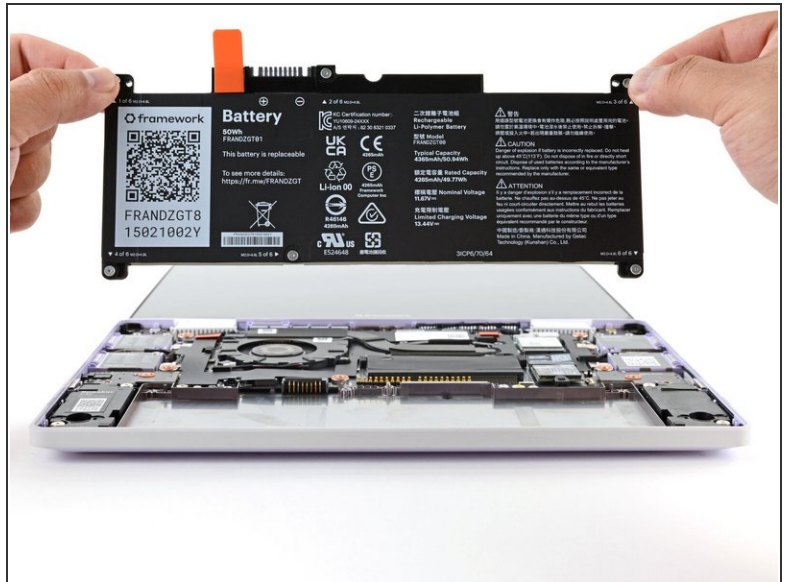
- Use your Framework Screwdriver to loosen the six captive T5 Torx screws securing the battery.

Step 8 — Disconnect the battery



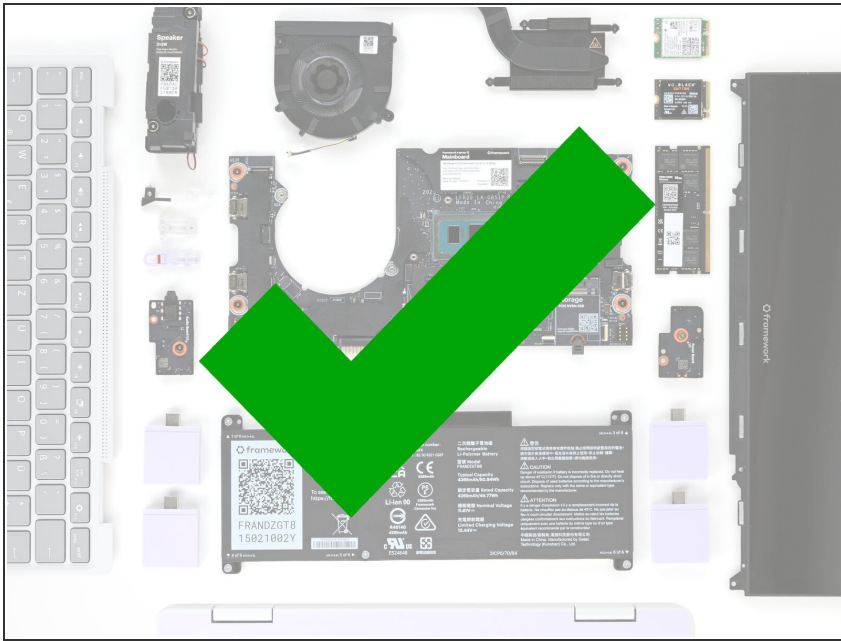
- Grab the orange battery tab with your fingers and lift straight up to disconnect the battery.
 - ① The battery connector can be tight, requiring some force. If it feels like part of the battery won't come up, check that the battery screws are fully loosened.

Step 9 — Remove the Battery



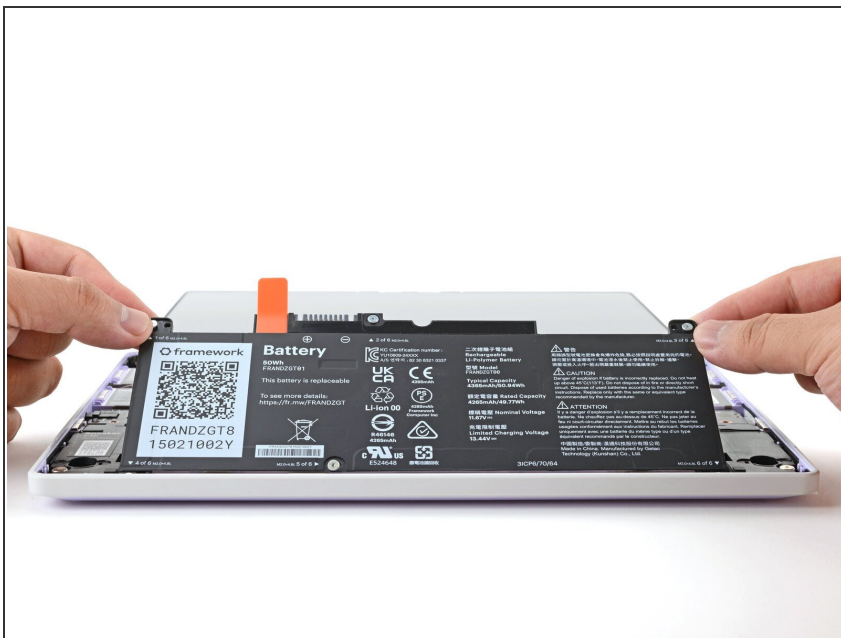
- Lift and remove the battery from the laptop.

Step 10 — Disassembly complete



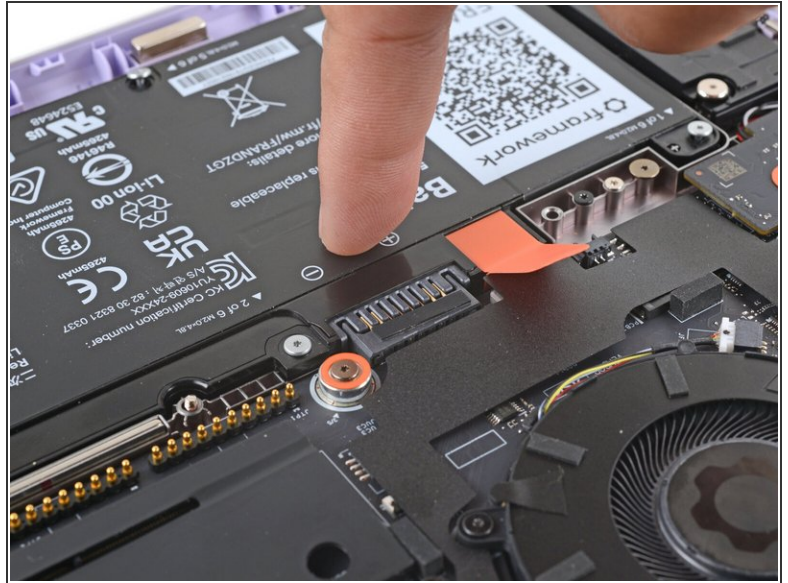
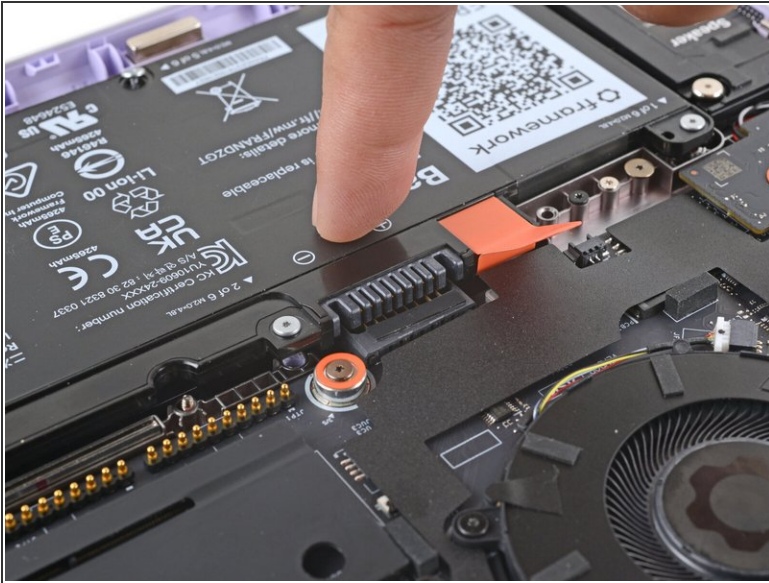
- i** Congratulations on completing disassembly! **The remaining steps will show how to reassemble your Framework Laptop.**

Step 11 — Install the Battery



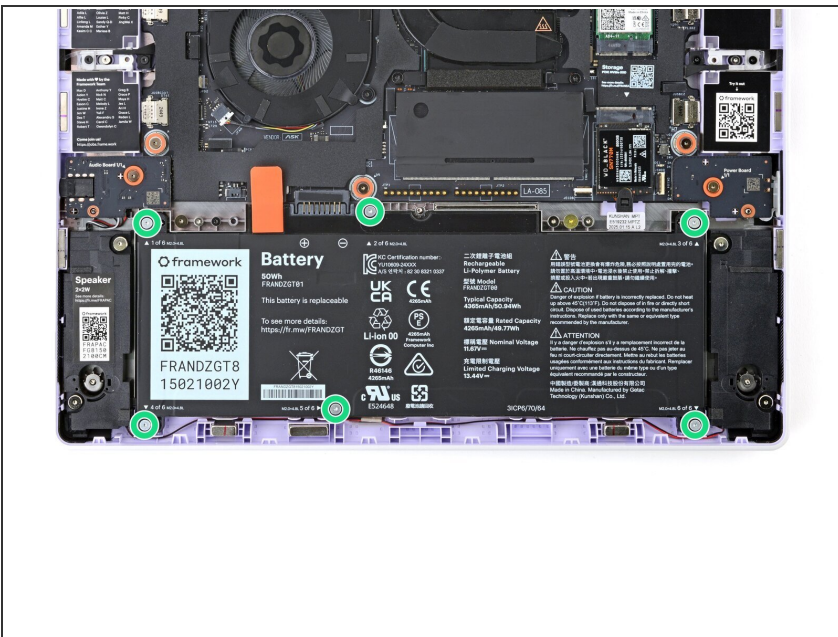
- Lay the battery in its recess in the laptop.

Step 12



- Use your finger to push the battery down near its connector to reconnect it.

Step 13



- Use your Framework Screwdriver to tighten the six captive T5 Torx screws to secure the battery.
- ① Tighten the screws until they're snug. Don't over-tighten them, or you may strip the screws.

Step 14 — Install the Input Cover



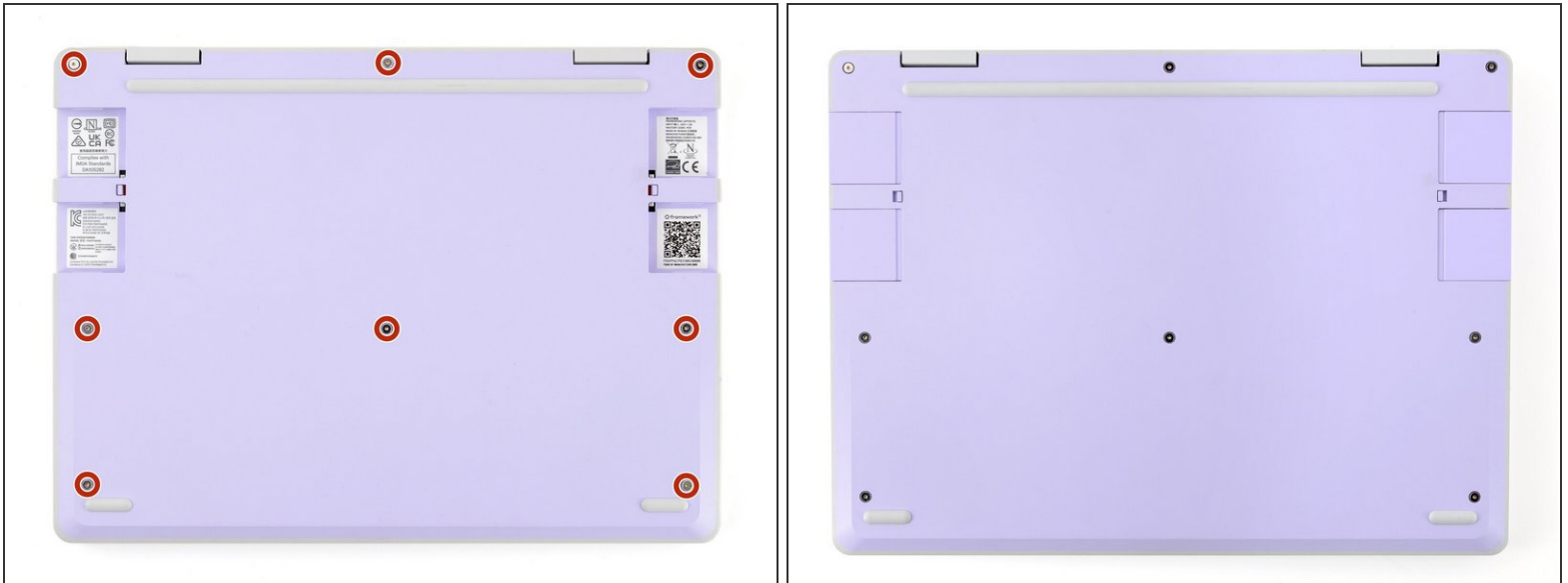
- Angle the bottom edge of the Input Cover towards the base of the Laptop.
- Align and insert the bottom edge of the Input Cover into the base of the Laptop.
 - ⓘ Make sure the [slots along the bottom edge of the Input Cover](#) slide into the tabs in the base.
- Lower the Input Cover's top edge onto the laptop until the magnets snap it in place.
 - ⓘ Make sure the Input Cover sits neatly within the laptop frame and no corners are popping up.

Step 15 — Close and flip your Laptop



- Close the Laptop lid.
- Flip your Laptop face-down on a clean work surface.

Step 16 — Tighten the bottom screws



- Use your Framework Screwdriver to tighten the eight captive T5 Torx screws on the bottom of your Laptop.
 - ⓘ Tighten the screws until they're snug. Don't over-tighten them, or you may strip the screws.

Step 17 — Plug in your laptop



- ⓘ The battery ships in *shipping mode*, so the laptop won't power on until you plug it in first.
- Plug a power supply into any USB-C port on your laptop.

You finished fixing your Framework Laptop!

Don't throw your battery in the trash! [Click here](#) to learn how to dispose of it properly.

If you need help, [contact Framework support](#).