



Microsoft Surface Laptop 5 (13.5-inch) SSD Replacement

Use this guide to remove or replace the SSD in...

Written By: Clay Eickemeyer



INTRODUCTION

Use this guide to remove or replace the SSD in your Microsoft Surface Laptop 5 (13.5-inch).

Removing the SSD [functions as a battery disconnect](#) and should be performed before all major repairs.

If your battery is swollen, [take appropriate precautions](#).

Some photos in this guide are from a different model and may contain slight visual discrepancies, but they won't affect the guide procedure.

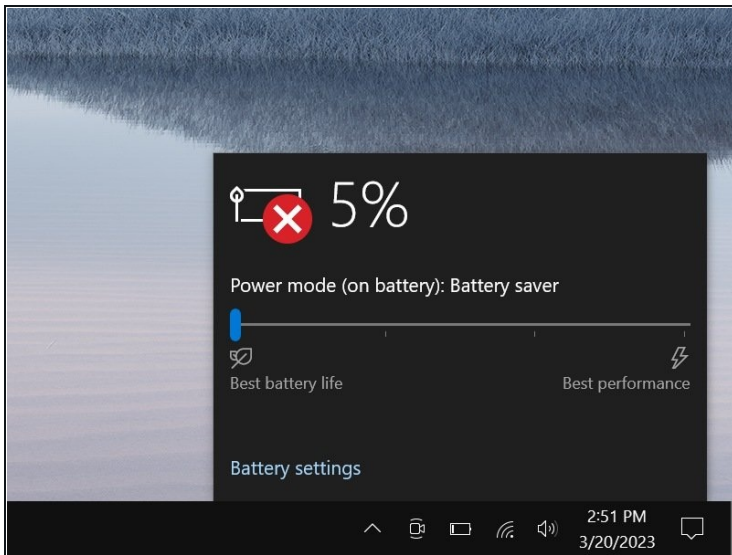
TOOLS:

[Tweezers](#) (1)
[Tesa 61395 Double-Sided Tape](#) (1)
[T5 Torx Screwdriver](#) (1)
[Spudger](#) (1)
[Isopropyl Alcohol \(90% or Greater\)](#) (1)
[Coffee Filters or a lint-free cloth](#) (1)
[Thermal Paste](#) (1)

PARTS:

[Surface Laptop 5 13.5" and 15" SSD - Genuine](#) (1)
[8 mm Rubber Furniture Feet](#) (1)

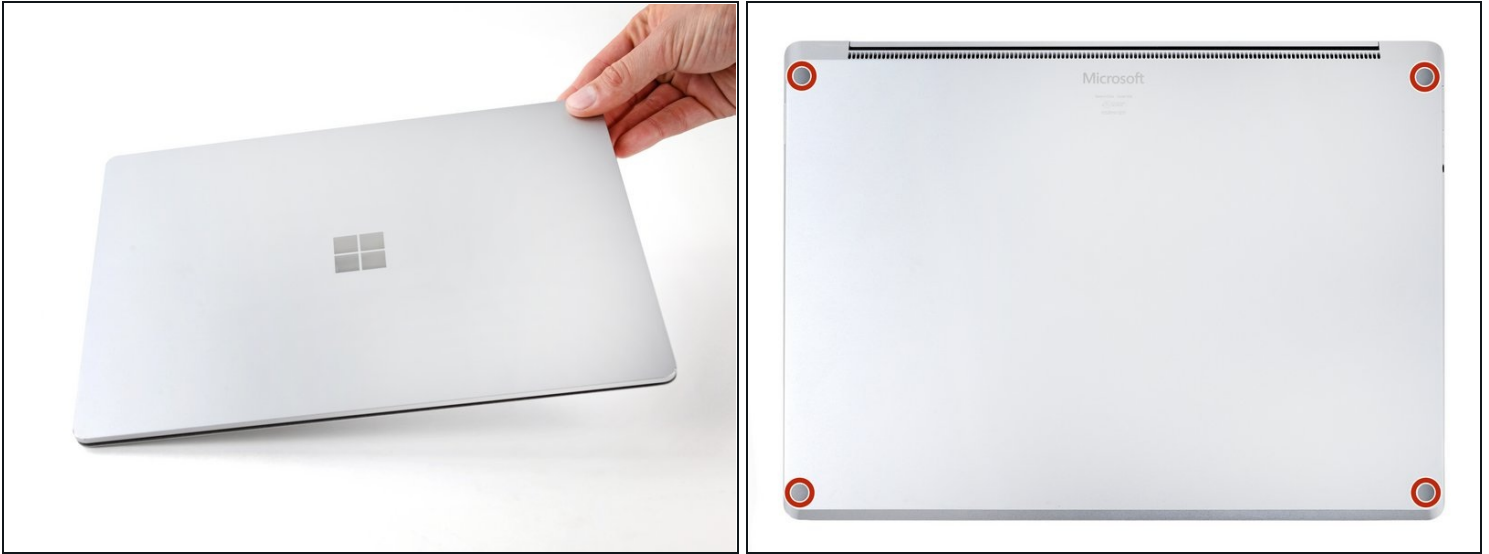
Step 1 — Prepare your laptop for disassembly



⚠️ Allow your laptop's battery to drain below 25% before starting this repair. A charged battery may catch fire if damaged.

- Unplug all cables and fully shut down your laptop.

Step 2 — Flip the laptop over



- Close the screen and lay your laptop down with the rear case facing up to access the four rubber feet.

Step 3 — Feet removal information



- ① Each foot has a recess to help pry it from the laptop:
- The back feet recesses are closest to the back edge of the laptop.
 - The front feet recesses are closest to the front edge of the laptop.

Step 4 — Remove the feet



- Insert one arm of your [tweezers](#) into the recess of one of the feet.
- Twist your tweezers and pry up to separate the adhesive and unclip the foot from the laptop.
⚠ The feet eject very quickly—be careful not to lose them.
- Remove the foot.
- Repeat this process on the remaining feet.

Step 5 — Reassembly information



- ☑ This laptop has two different types of feet. During reassembly, make sure the feet go in their correct recesses.
 - The [rear feet](#) have a single center clip.
 - The [front feet](#) have three clips and can only be reinserted one way.
- ☑ Press the feet into their recesses to secure them to the frame.
 - If the existing feet no longer adhere to the frame, remove the old adhesive and apply a small amount of [Tesa Tape](#) where the old adhesive was.

Step 6



★ If the feet are damaged or worn out, use [8 mm rubber furniture pads](#):

- Peel a pad away from its backing.
- Align the pad over a foot cavity and press down to secure it.

Step 7 — Unfasten the upper case



⚠ These screws strip easily.
Apply constant, downward
force to prevent stripping.

- Use a T5 Torx driver to remove the four 3 mm screws securing the upper case.
- ① Throughout this repair, [keep track of each screw](#) and make sure it goes back exactly where it came from.

Step 8 — Open the screen



- Flip your laptop over and fully open the screen.

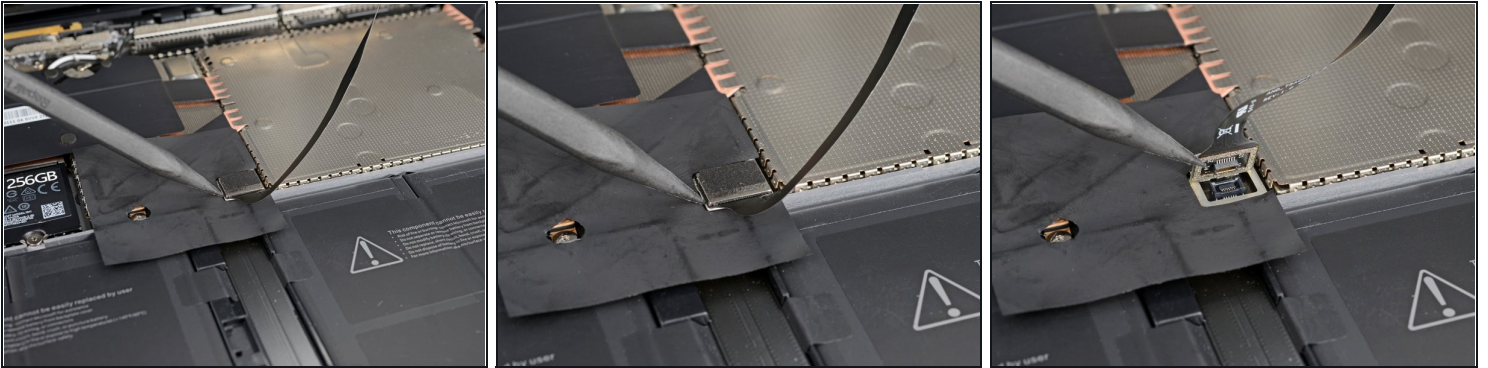
Step 9 — Lift the upper case



 The upper case is secured by magnets.

- Grip the top edge of the upper case above the keyboard and lift straight up to release it.
 **Don't try to completely remove the upper case, as it's still connected to the laptop by a cable.**
- Lift the bottom edge of the upper case up and away from the laptop, taking care to not strain the ribbon cable underneath.
- ☒ During reassembly, lower the upper case onto the lower case until the magnets snap into place and it lays flat.
 **Check that the upper case sits flush around the entire perimeter. Any gaps between the upper and lower case near the screen could damage the screen as it closes.**

Step 10 — Disconnect the keyboard and touchpad cable



- ❗ The keyboard and touchpad cable connects the upper case to the laptop.
- Insert the pointed end of a spudger under one edge of the magnet connector and pry up to disconnect it.
- 🔧 To reconnect the cable, align the magnet connector over its socket with the cable facing the bottom of the laptop. Press down on the connector to secure it.

Step 11 — Remove the upper case



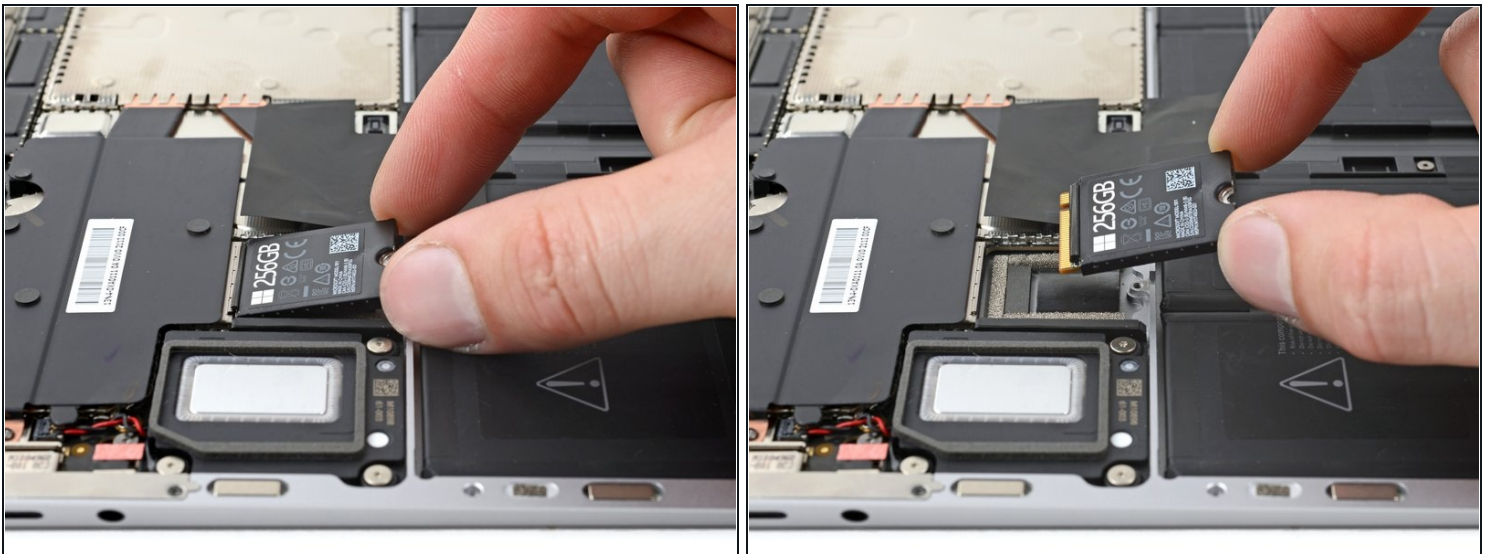
- Remove the upper case and set it keyboard-side down on a clean surface.

Step 12 — Unfasten the SSD



- Use a T5 Torx driver to remove the 2.7 mm screw securing the SSD.
- ① With the screw removed, the SSD pops up at a shallow angle.

Step 13 — Remove the SSD



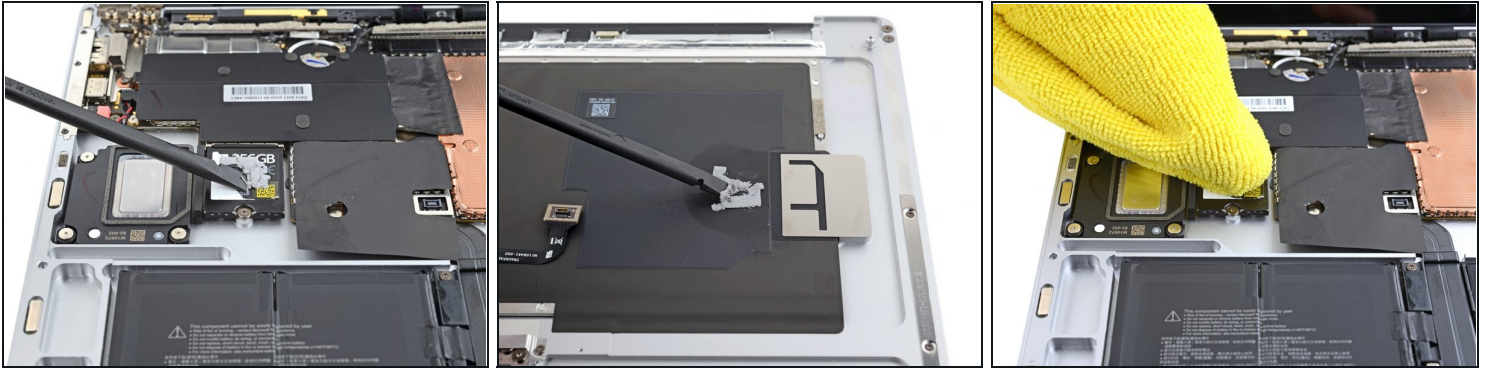
① Removing the SSD also [functions as a battery disconnect](#).

- Pull the SSD out of its socket and remove it.

⚠ Don't pull up at a sharp angle, as this could damage the SSD and its socket.

- ★ During reassembly, insert the SSD at a slight angle.

Step 14 — Reassembly information



ⓘ Your SSD has thermal paste that forms a bond to the upper case.

★ During reassembly:

- Use the flat end of your spudger to scrape away old thermal paste from the top of the SSD and the underside of the upper case.
- Apply a few drops of highly-concentrated isopropyl alcohol (over 90%) to the SSD and upper case. Wipe away the residue using a lint-free or [microfiber cloth](#).
- Replace the thermal pad with one that's the same size as the SSD sticker.
 - ⓘ Alternatively, you can [apply a bead of thermal paste](#) directly to the SSD's label. Use the dot method with a bead slightly larger than the screw head securing the SSD.

To reassemble your device, follow these instructions in reverse order.

Take your e-waste to an [R2 or e-Stewards certified recycler](#).

Repair didn't go as planned? Try some [basic troubleshooting](#), or ask our [Answers community](#) for help.