



Lenovo ThinkPad X1 Carbon 7th Gen SSD Replacement

How to replace the SSD in a Lenovo Thinkpad X1 Carbon 7th Gen.

Written By: Jaxon Haws



INTRODUCTION

Use this guide to replace a full or faulty solid state drive in your Lenovo ThinkPad X1 Carbon 7th Generation laptop.

The SSD is a piece of hardware that stores and retrieves data in your computer. A faulty SSD may cause your laptop to produce irregular noises, continuous crashes, and/or error messages like “file not found” or “Windows detected a hard disk problem.”

Before using this guide, make sure to review the [troubleshooting page](#) to diagnose your laptop’s problem and find the best solution.

Make sure to back up your hard drive before replacing it so you do not lose data while doing the replacement. Make sure to power off your laptop completely and disconnect from any external power source prior to beginning the process.

TOOLS:

- [iFixit Opening Tools](#) (1)
- [Phillips #0 Screwdriver](#) (1)

Step 1 — Back Panel



⚠ You MUST go to BIOS settings (F1 on startup) and disable the built-in battery. Disconnect laptop from power source to avoid electric shocks.

- Flip the laptop over on a flat surface with the back panel facing up.
- Remove five 5mm Phillips #0 screws from the edge of the back panel.
- Insert an opening tool between the back panel and edge. Maneuver the tool around the panel, disconnecting the clips holding the panel in place.

Step 2



- Lift the back panel away from the device, exposing the internals.
- ☒ When reassembling, prioritize the tabs on the side that does not have any screws. This ensures that the tabs do not break.

Step 3 — SSD



- Gently pull back the black plastic flap covering the SSD to reveal the M.2 PCIe slot and mounting screw.
- Remove the 3mm screw securing the SSD to the motherboard with a Phillips #0 screwdriver.

Step 4



- Gently pull the SSD toward the screw to remove from the M.2 PCIe slot.
- ▣ Make sure the SSD pins and M.2 PCIe pin slots are lined up before inserting a new SSD.

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