

INTRODUCTION

If your Lenovo ThinkPad X1 Carbon 7th Generation does not respond when you use the fingerprint scanner, use this repair guide to replace it.

A functional fingerprint scanner allows the user to log into their device or access private information without entering a password or pin. Though it is not required for the laptop to function, it is a feature that provides easy and smooth accessibility to the device.

Make sure to use non-metallic equipment to follow the guide.

TOOLS:

[iFixit Opening Tool](#) (1)
[Phillips #0 Screwdriver](#) (1)

PARTS:

[5F30V25898 - Lenovo Laptop Fingerprint Reader - Genuine](#) (1)

Step 1 — Back cover removal



- Use a Phillips #1 screwdriver to loosen the five captive screws securing the back cover.

Step 2 — Insert an opening pick



- Insert an opening pick at a 45° angle between the back cover and frame near the rear middle screw.
- Pry up on the pick to release the clips securing the back cover to the frame.
 - ⓘ You will hear several clicks while prying up.

Step 3 — Remove the back cover



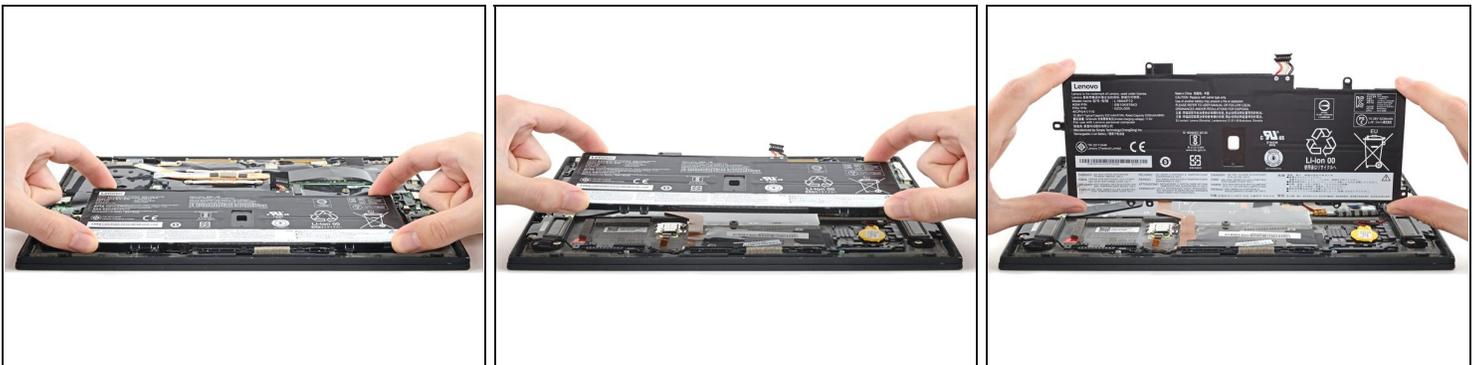
- Lift the back cover up and remove it from the chassis.
 - ⓘ You will hear several clicks while lifting up.
- ☑ During reassembly, this is a good point to power on your laptop and test all functions before sealing it up. Be sure to power your laptop back down before you continue working.

Step 4 — Unfasten the battery



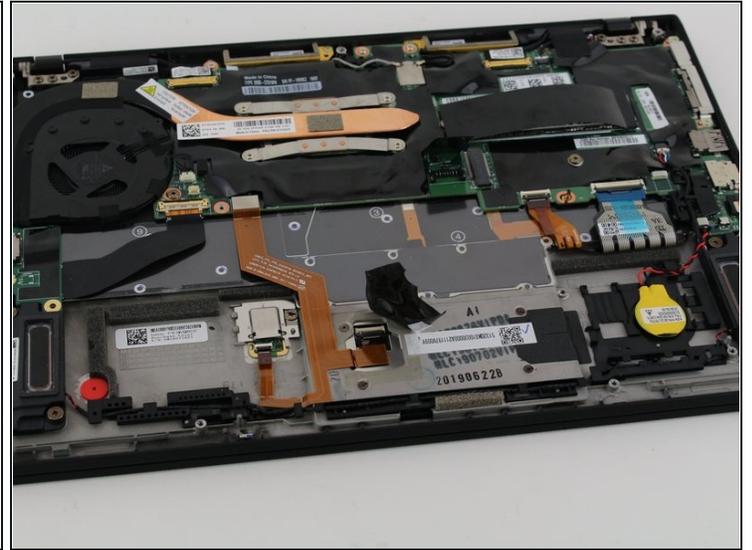
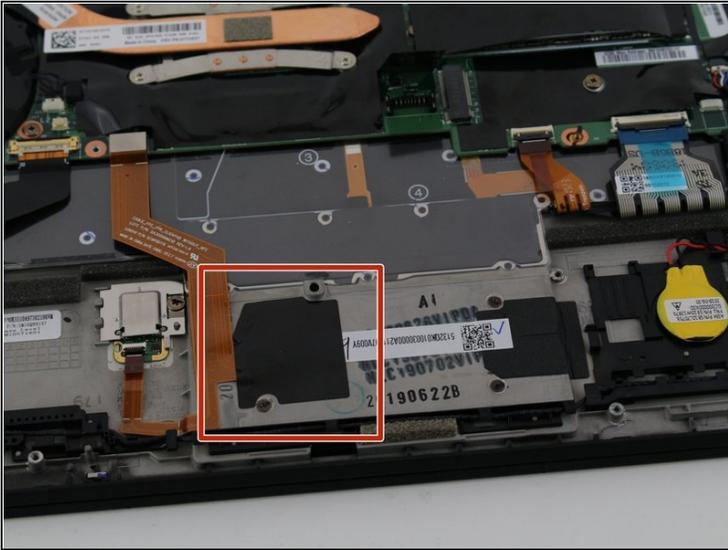
- Use a Phillips #0 screwdriver to remove the six 4.9 mm-long screws securing the battery.

Step 5 — Remove the battery



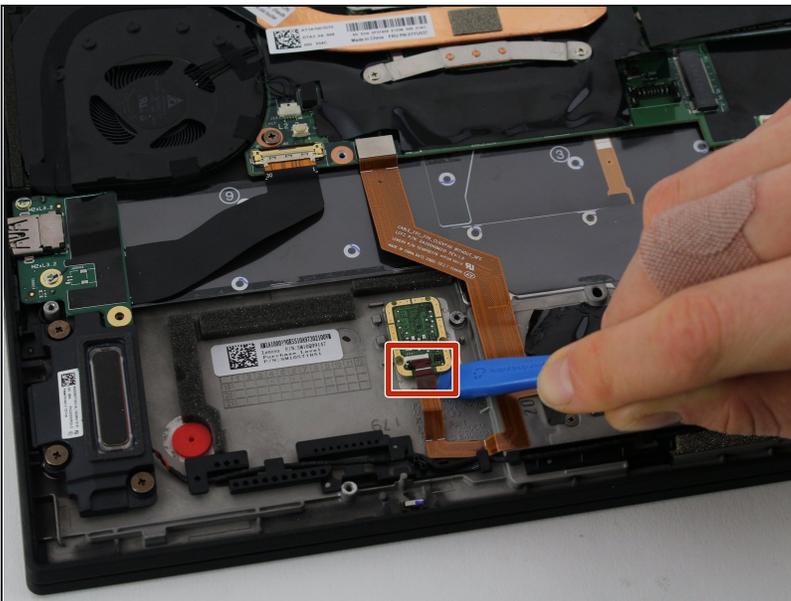
- Lift the battery straight out of its recess and remove it.

Step 6 — Fingerprint Scanner



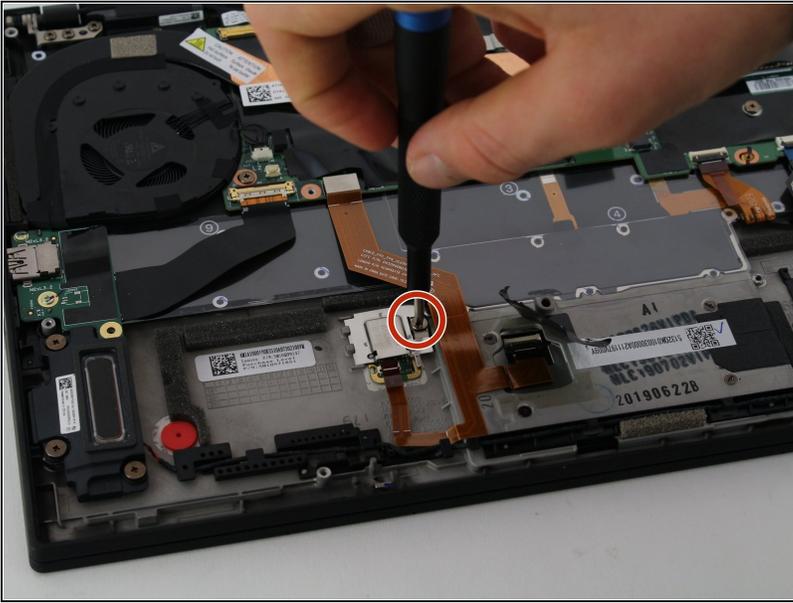
- Peel back the black adhesive tape covering the ribbon cable connecting the trackpad and fingerprint scanner to the motherboard.

Step 7



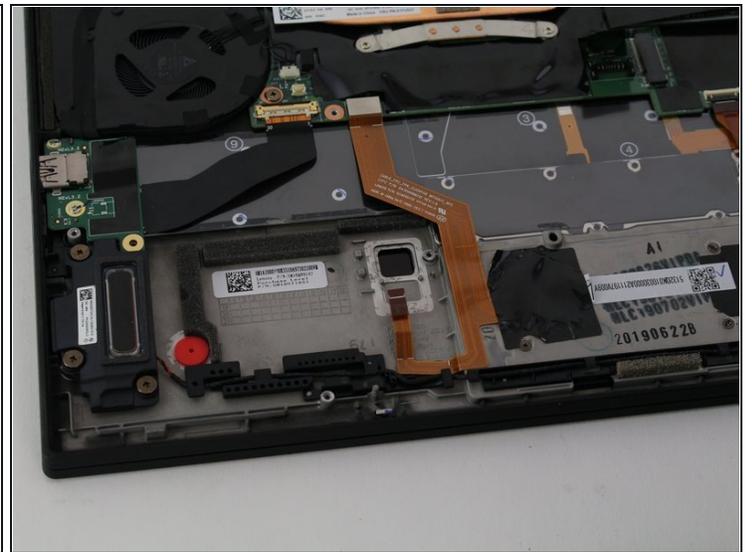
- Unclip the connector ribbon from the fingerprint scanner by lifting upwards on the clip with an opening tool.

Step 8



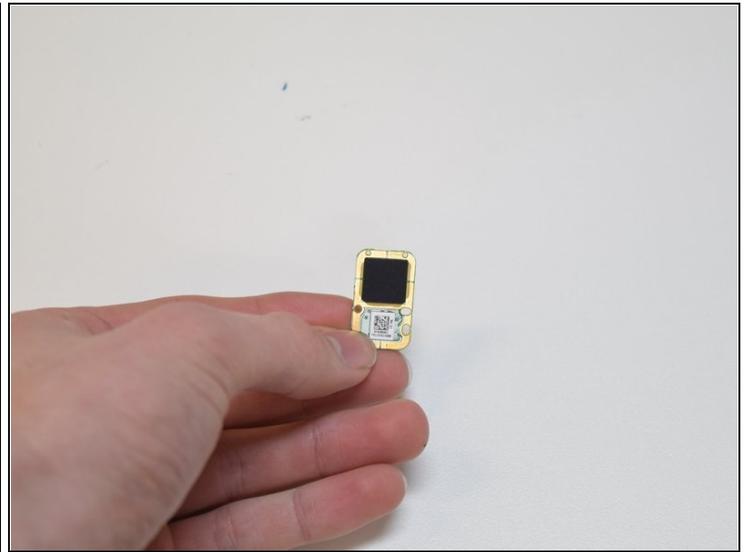
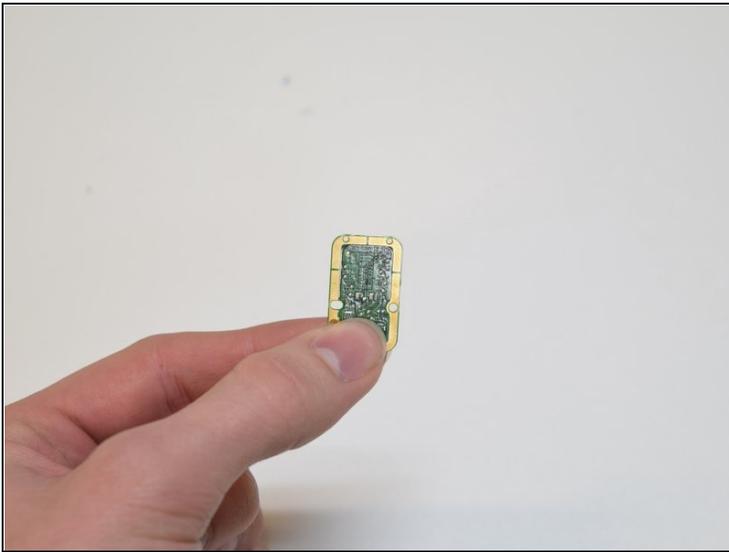
- Remove one 3mm screw from the fingerprint scanner mounting bracket with a Phillips #0 screwdriver.
- Lift the fingerprint scanner mounting bracket upwards to remove it.

Step 9



- Using an opening tool, lift the fingerprint scanner upwards.

Step 10



- Carefully lift the fingerprint scanner to remove from the chassis.

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