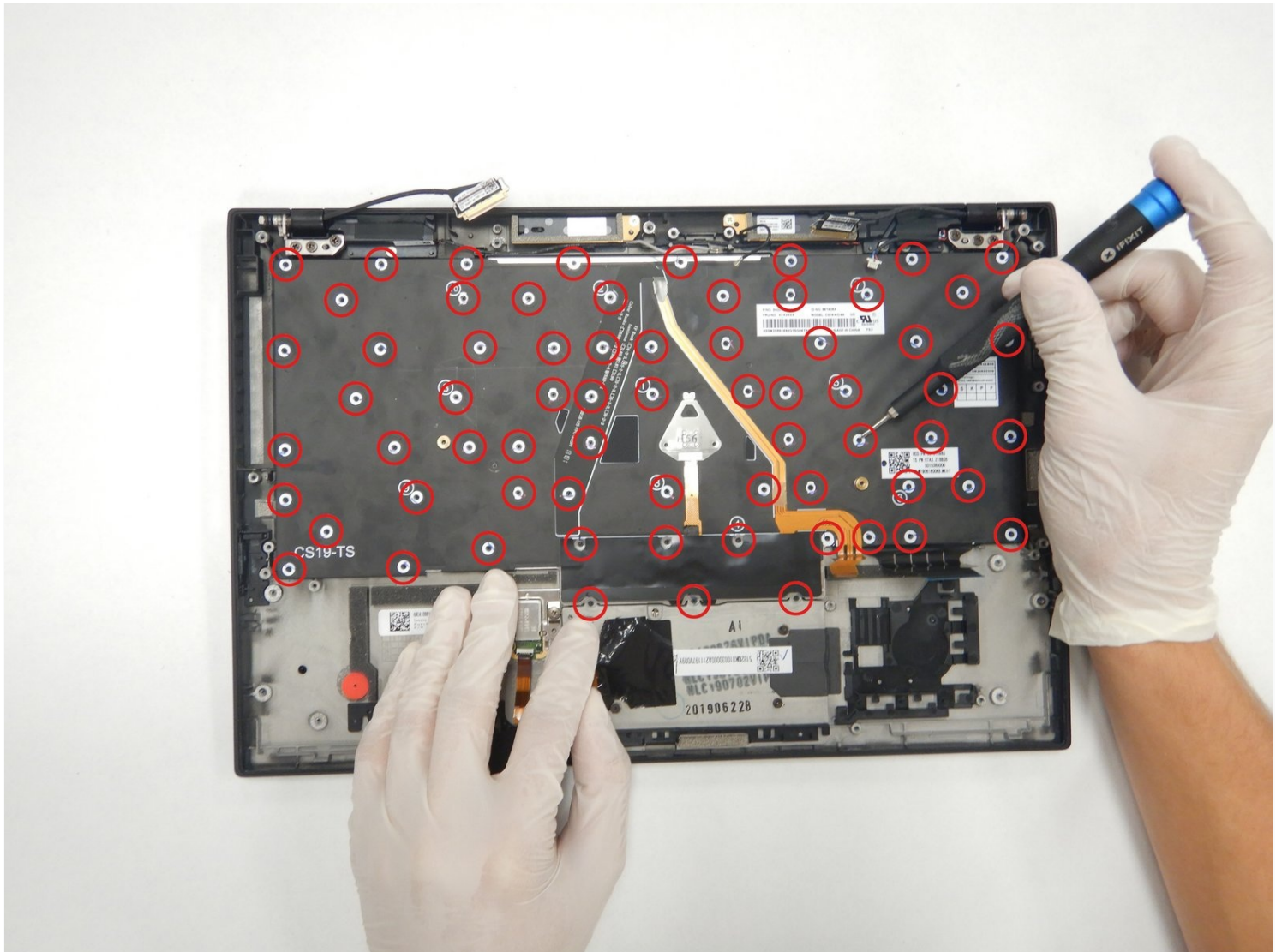




Lenovo ThinkPad X1 Carbon 7th Gen Keyboard Replacement

This guide will show you how to replace the...

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INTRODUCTION

This guide will show you how to replace the keyboard in your Lenovo ThinkPad X1 Carbon 7th Generation laptop. Reasons for failure of your keyboard may include the keyboard becoming unresponsive, dust or particles stuck that must be removed to allow functionality of the keyboard, visible damage to the keyboard, or loosened keys. If you are experiencing any of these issues, a keyboard replacement should restore your laptop to working condition.

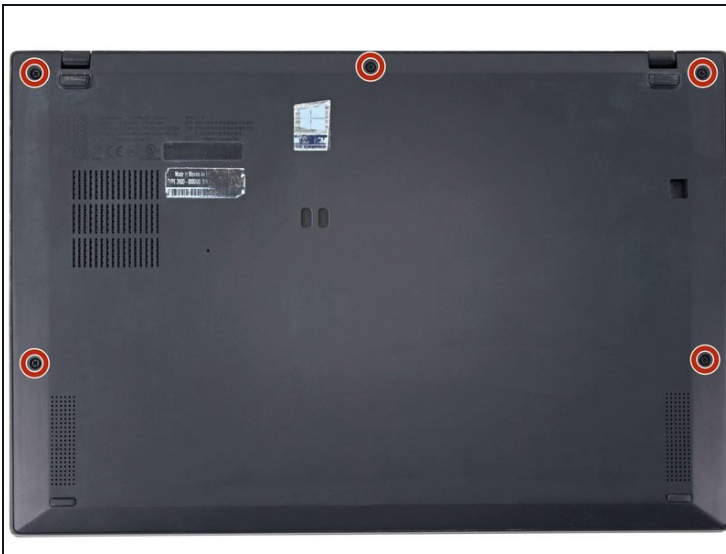
TOOLS:

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

PARTS:

[5M10W85896 - Lenovo Laptop Keyboard - 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



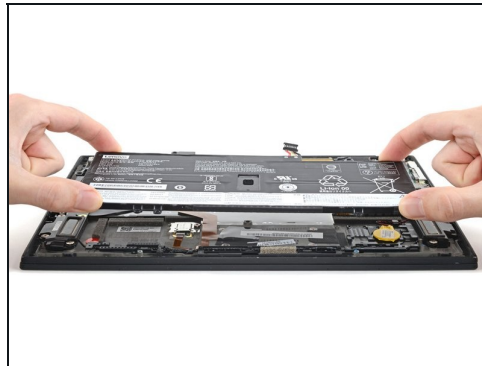
- Lift the back cover up and remove it from the chassis.
 - ⓘ You will hear several clicks while lifting up.
- ☑ During reassembly, this is a good point to power on your laptop and test all functions before sealing it up. Be sure to power your laptop back down before you continue working.

Step 4 — Unfasten the battery



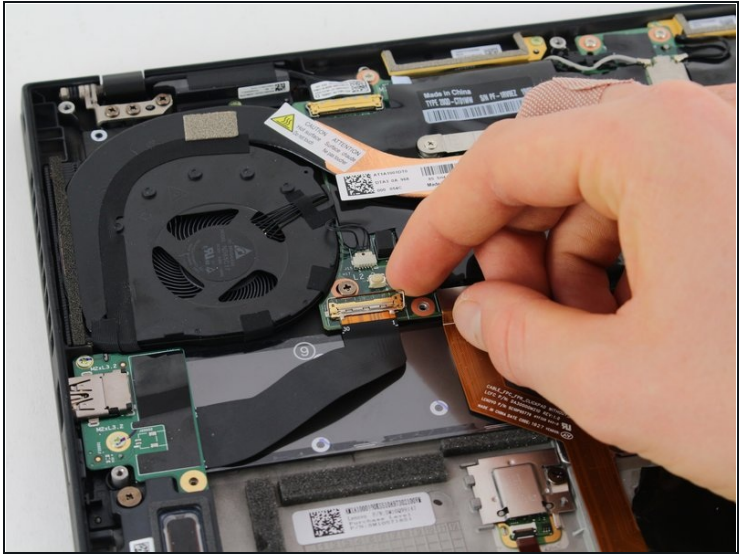
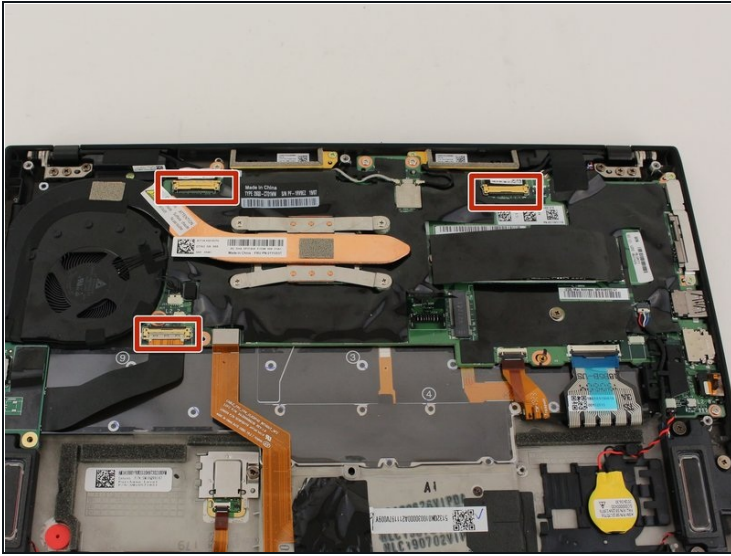
- Use a Phillips #0 screwdriver to remove the six 4.9 mm-long screws securing the battery.

Step 5 — Remove the battery



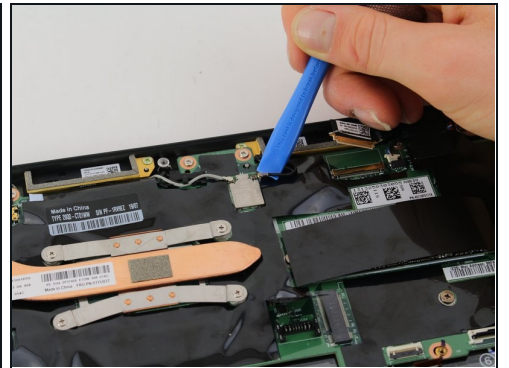
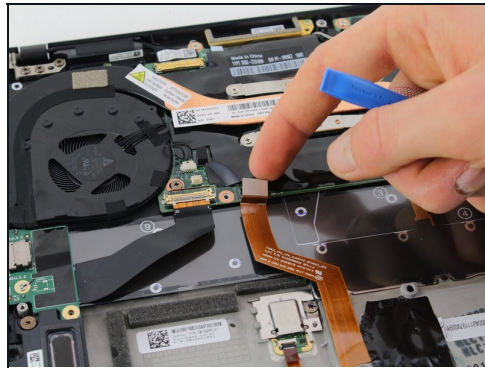
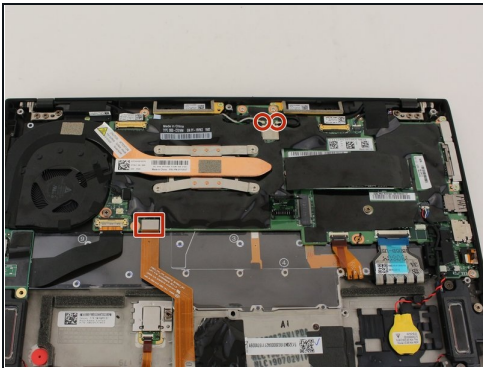
- Lift the battery straight out of its recess and remove it.

Step 6 — Motherboard



- Remove the connectors with bar latches by lifting up on the small bar behind the port and pulling the circuit ribbon away from the port.

Step 7



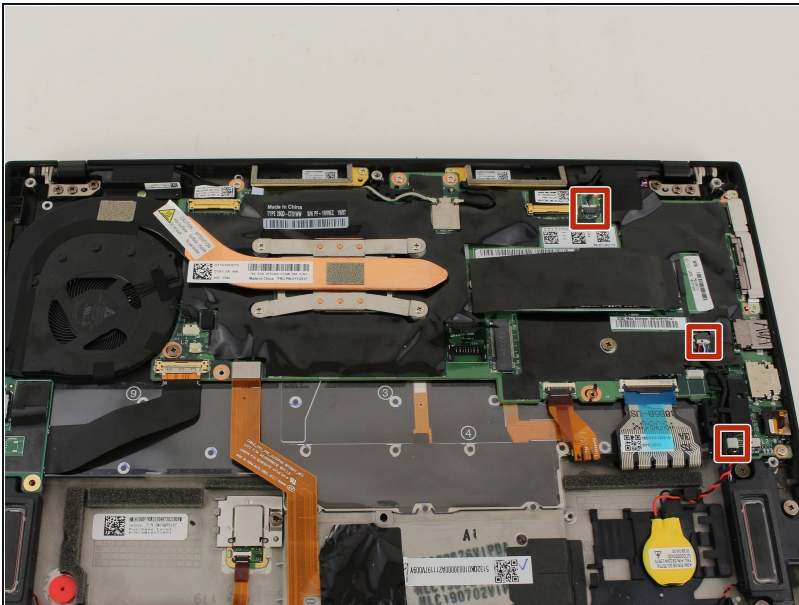
- Remove the snap connectors by lifting straight up until the connection pops out.
- ⓘ Use an opening tool to pry them off if a finger cannot get underneath the connection.

Step 8



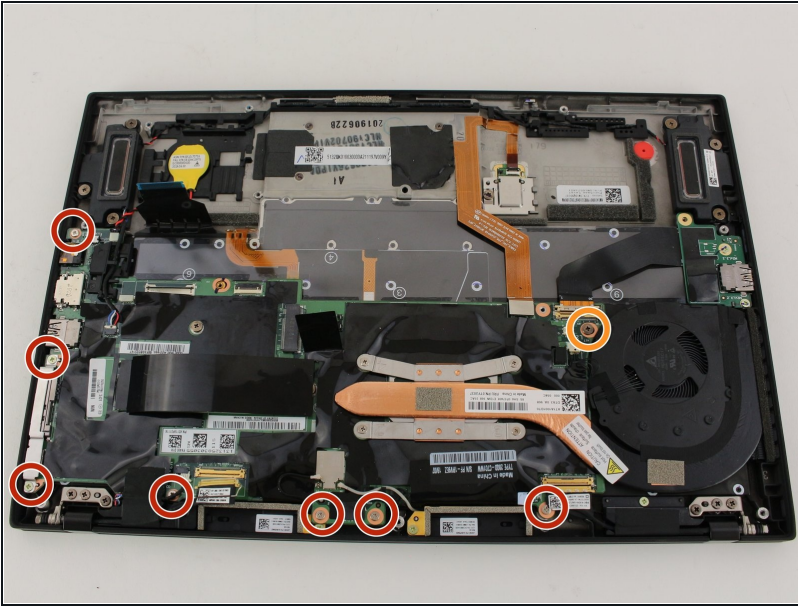
- Remove the latch connections by lifting the latch up, releasing the circuit ribbon.
- ① Use an opening tool to get underneath the latch if a finger cannot.

Step 9



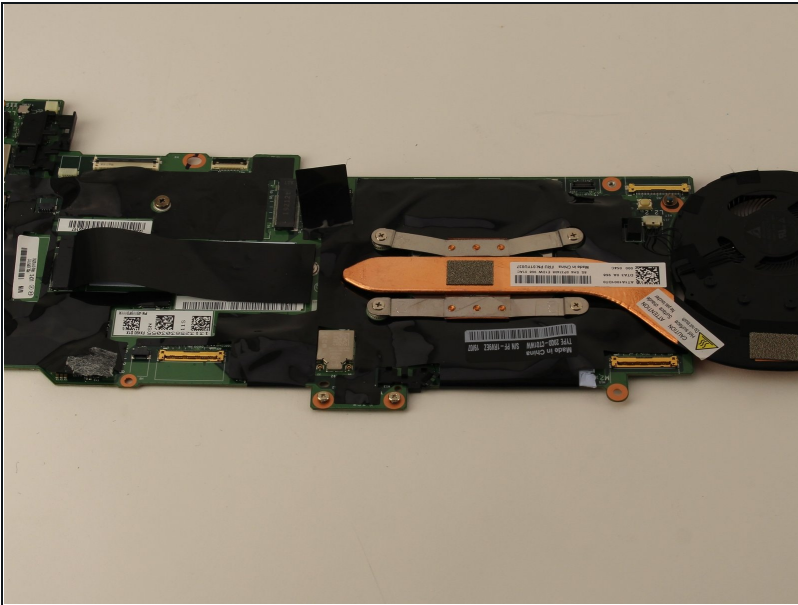
- Remove the insert connections by pulling the connector away from the port.

Step 10



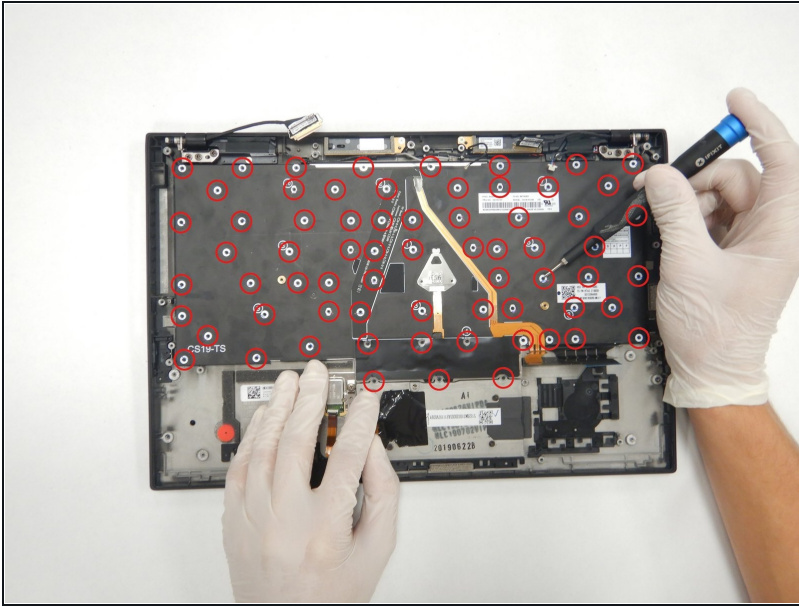
- Remove the seven 4 mm Phillips #0 screws that hold the motherboard in place
- Remove the 3 mm Phillips #0 screw located near the fan.

Step 11



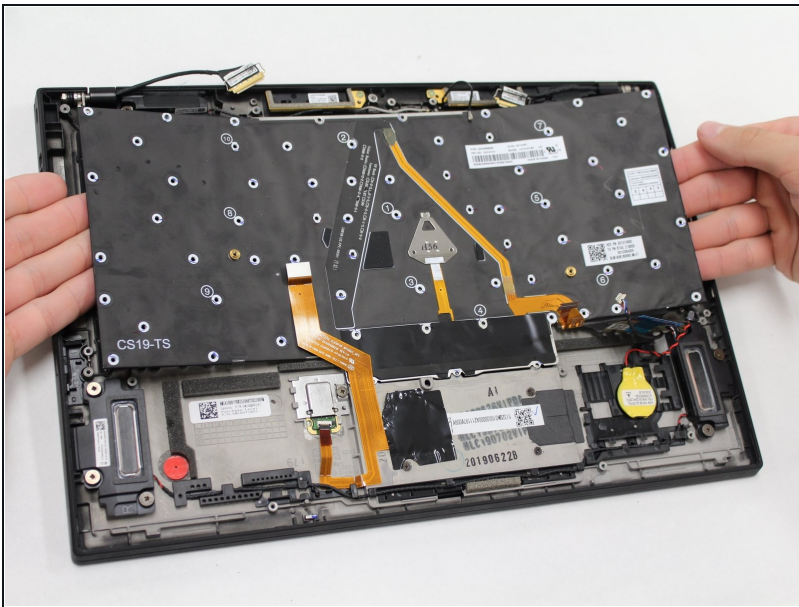
- Lift the motherboard with the fan still connected straight up and out of the device.

Step 12 — Keyboard



- Using a Phillips #00 screwdriver, remove sixty-six 0.5 mm screws from the keyboard.

Step 13



- Lift the keyboard straight up and out of the computer.

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