



# Lenovo ThinkPad X1 Carbon 7th Gen Battery Replacement

This guide will allow you to replace your Lenovo ThinkPad X1 Carbon 7th Gen Battery.

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## INTRODUCTION

Is your Lenovo ThinkPad X1 Carbon 7th Gen (Model number: 20R1000RUS) battery not working the way it used to? Use this guide to replace your battery so you can use your laptop for more hours.

The battery allows for your laptop to work without a power cord. Refer to our [troubleshooting page](#) to determine if your battery has gone bad. If your battery is swollen, [take appropriate precautions](#).

After installation of the battery is completed, [calibrate](#) your new battery for best performance.

## 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.

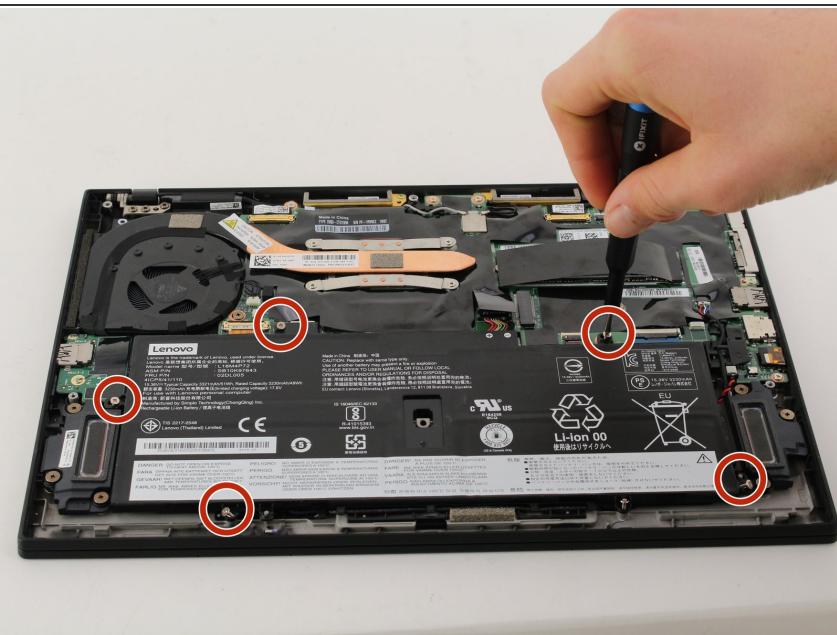
## Step 2



- Lift the back panel away from the device, exposing the internals.

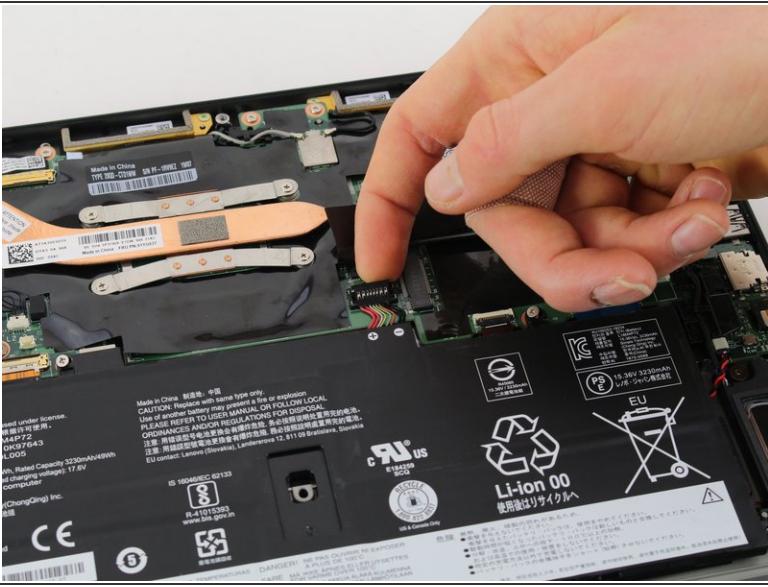
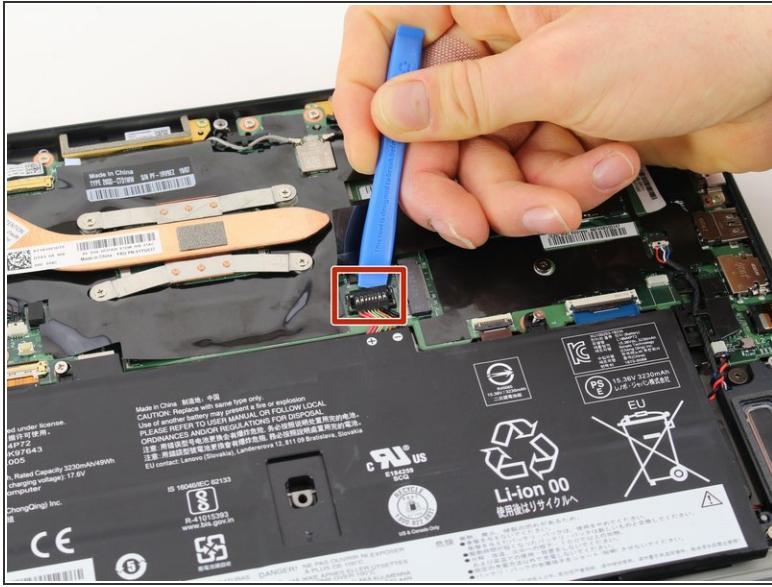
- ★ When reassembling, prioritize the tabs on the side that does not have any screws. This ensures that the tabs do not break.

## Step 3 — Battery



- Remove five 5mm Phillips #0 screws from the edges of the battery.

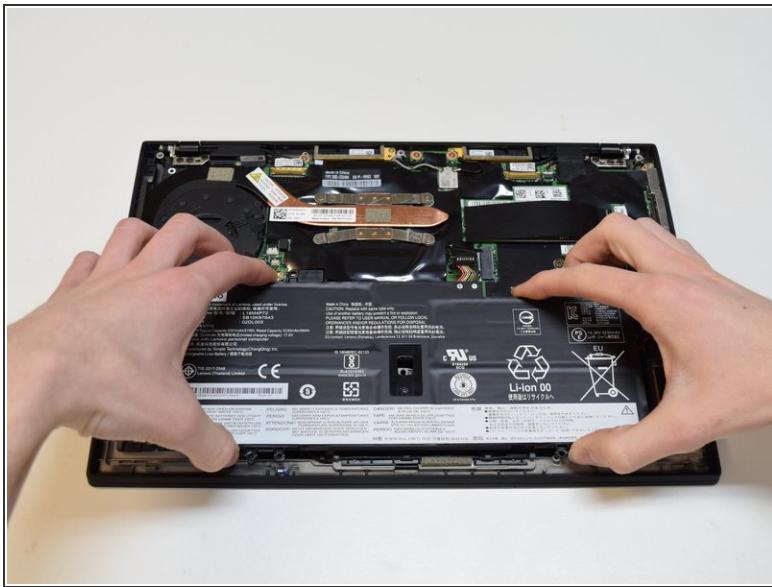
## Step 4



- Remove the connector between the battery and the motherboard by using an opening tool to initially lift the back end of the connector up.

⚠ Avoid metal tweezers to remove the connector as metal to metal contact can damage the device.

## Step 5



- Lift the battery straight up and out of device.

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