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## INTRODUCTION

This guide will cover how to remove and replace the battery in the Lenovo ThinkPad X1 Carbon 6th Gen. This may be necessary if your battery is faulty, or simply just old. Laptop batteries will lose some of their capacity as they are used, and the typical battery only lasts a few years. If you are having trouble with your computer, and believe that the battery is at fault, consult our [troubleshooting page](#) before attempting to replace the battery. Keep in mind that a faulty power adapter may be causing the issues. Before beginning, be sure to power off your laptop and disconnect it from any power source. Use caution when handling the battery and dispose of it properly.



### TOOLS:

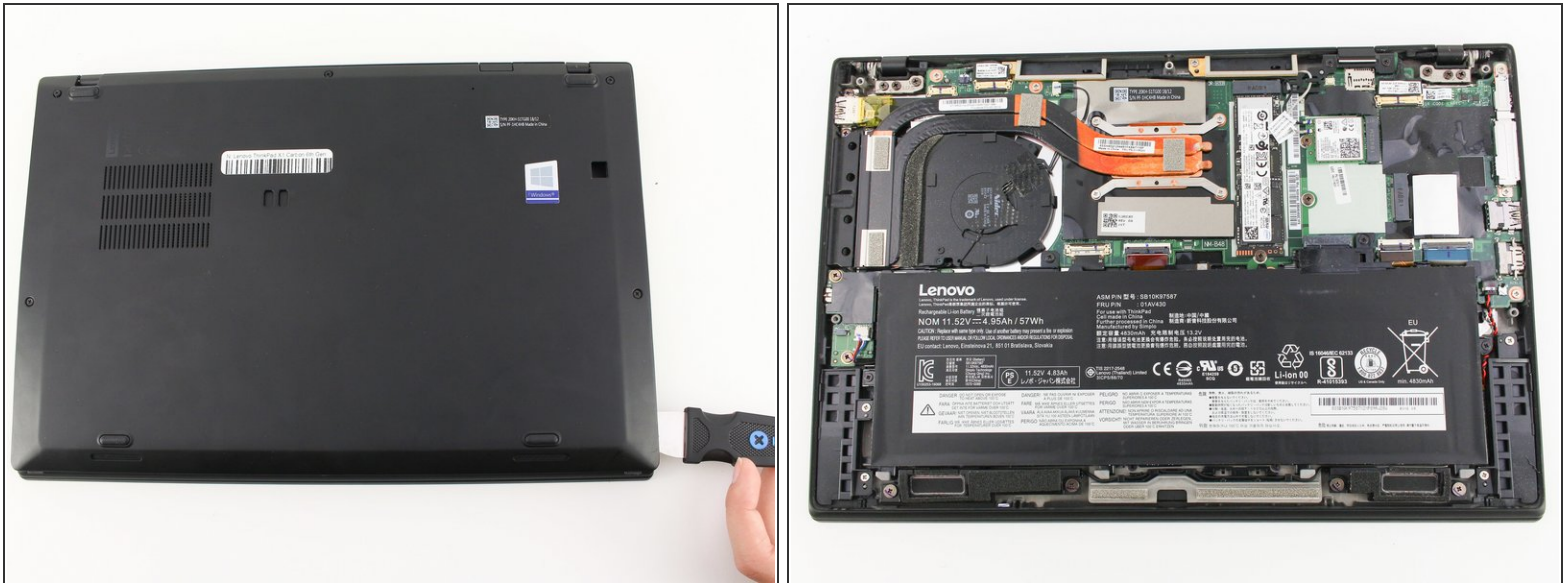
- [Phillips #0 Screwdriver](#) (1)
  - [iFixit Opening Tools](#) (1)
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## Step 1 — Back Cover



- Use a Phillips #0 screwdriver to loosen the five screws that secure the back cover to the laptop.
- ⓘ The screws do not completely come off from the back cover. Loosen until the screws are completely loose.

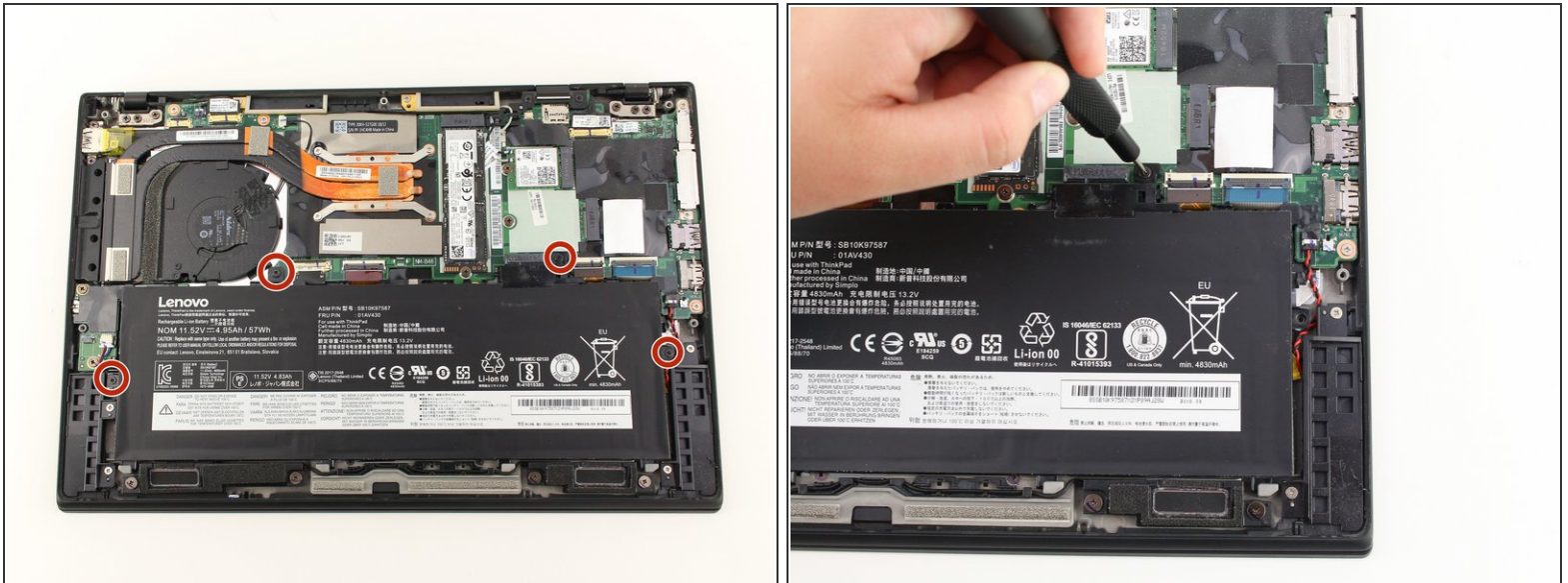
## Step 2



- Use a Jimmy to lift the cover directly up off of the locating pins.
- i** Though a metal opening tool is shown in the image, we recommend using plastic opening tools to minimize any cosmetic damage.
- Once the case is lifted enough using the tool, grab the cover and take it the rest of the way off.
- i** If you encounter resistance when lifting the cover, revisit the screws to see if any of them are still threaded on to the device.



## Step 3 — Battery



- Use the Phillips #0 screwdriver to remove the four 5 mm screws that secure the battery to the laptop frame.

## Step 4



- Take out the battery by lifting it from the bottom edge of the laptop, and then pulling away from the motherboard.

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