



ThinkPad X1 Carbon Fan Replacement

You will learn how to open the ThinkPad X1...

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INTRODUCTION

You will learn how to open the ThinkPad X1 Carbon and replace the CPU Fan

TOOLS:

- [Phillips #0 Screwdriver](#) (1)
 - [Heavy-Duty Spudger](#) (1)
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Step 1 — Loosen Cover Screws



- Loosen the seven cover screws. They will not come out.

Step 2 — Remove Cover



- Use a spudger to pop loose the cover and slide it off.

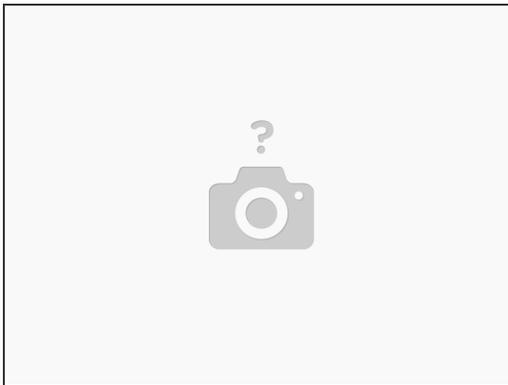
Step 3 — Disconnect Battery



⚠ Only use plastic to remove battery connector

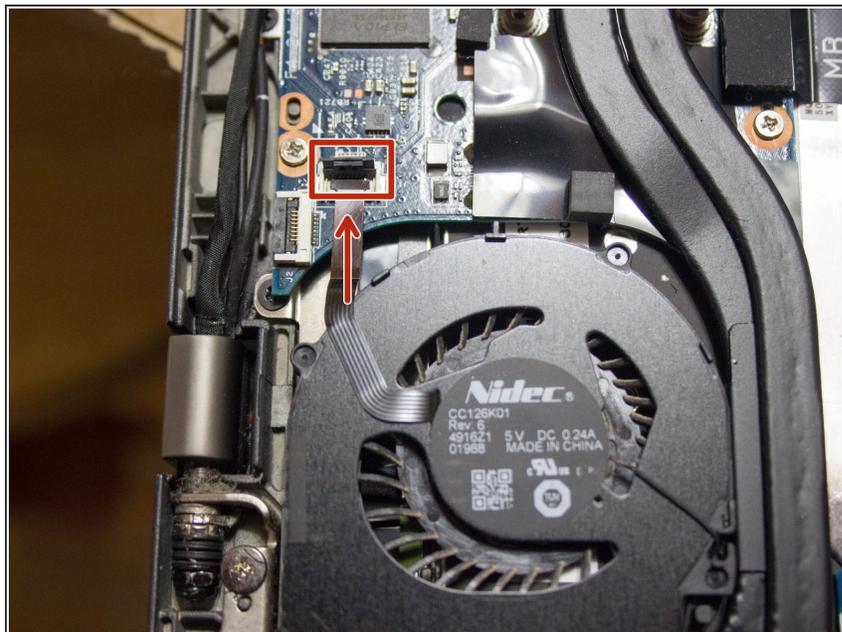
- Gently remove battery connector by pushing with the spudger in the direction of the arrow.
- Remove four screws holding battery in place and remove battery.

Step 4



- The 4 perimeter screws also hold the two audio speakers in place. And there is a 5th screw dead center of the battery. The battery cable is not easy to remove, nor is it easy to re-connect.

Step 5 — Disconnect Fan Cable



- Use your spudger to open the connector in the direction of the arrow. Carefully remove the ribbon cable
- ⓘ These connectors are very delicate. Use care when removing cables.

Step 6 — Remove Fan



- Loosen screws and pull fan up and out of the case.
- ⚠ Be sure to apply heat sink paste when putting fan back on CPU

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