



# ThinkPad X1 Carbon Fan Replacement

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

Written By: Mike



## 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)

## Step 1 — Loosen Cover Screws



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

## Step 2 — Remove Cover



- Use spudger to pop loose cover and slide off.

## Step 3 — Disconnect Battery



 Only use plastic to remove battery connector

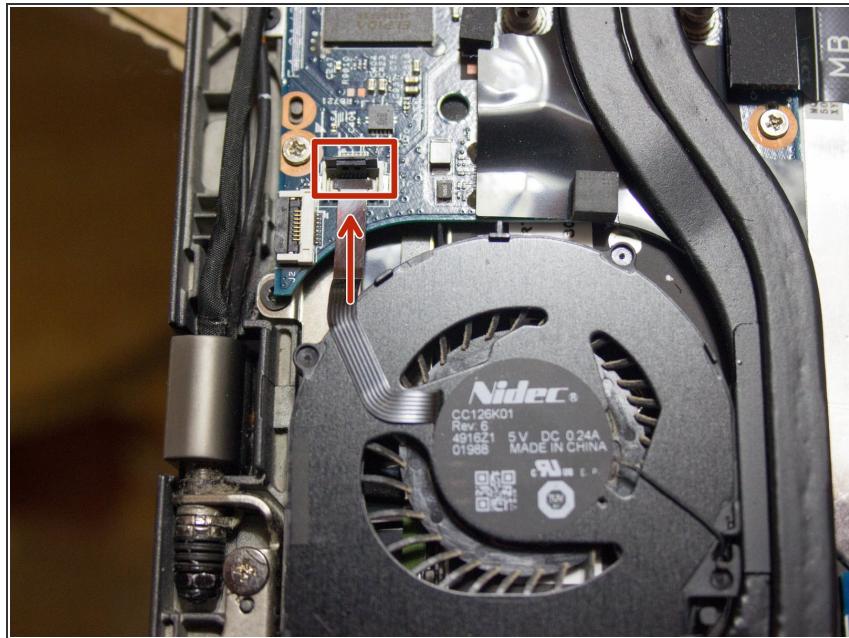
- Gently remove battery connector by pushing with the spudger in the direction of the arrow.
- Remove four screws holding battery in place and remove battery.

## 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, and not 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

- *i* 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.