ThinkPad X1 Carbon 1st Gen Fan Replacement
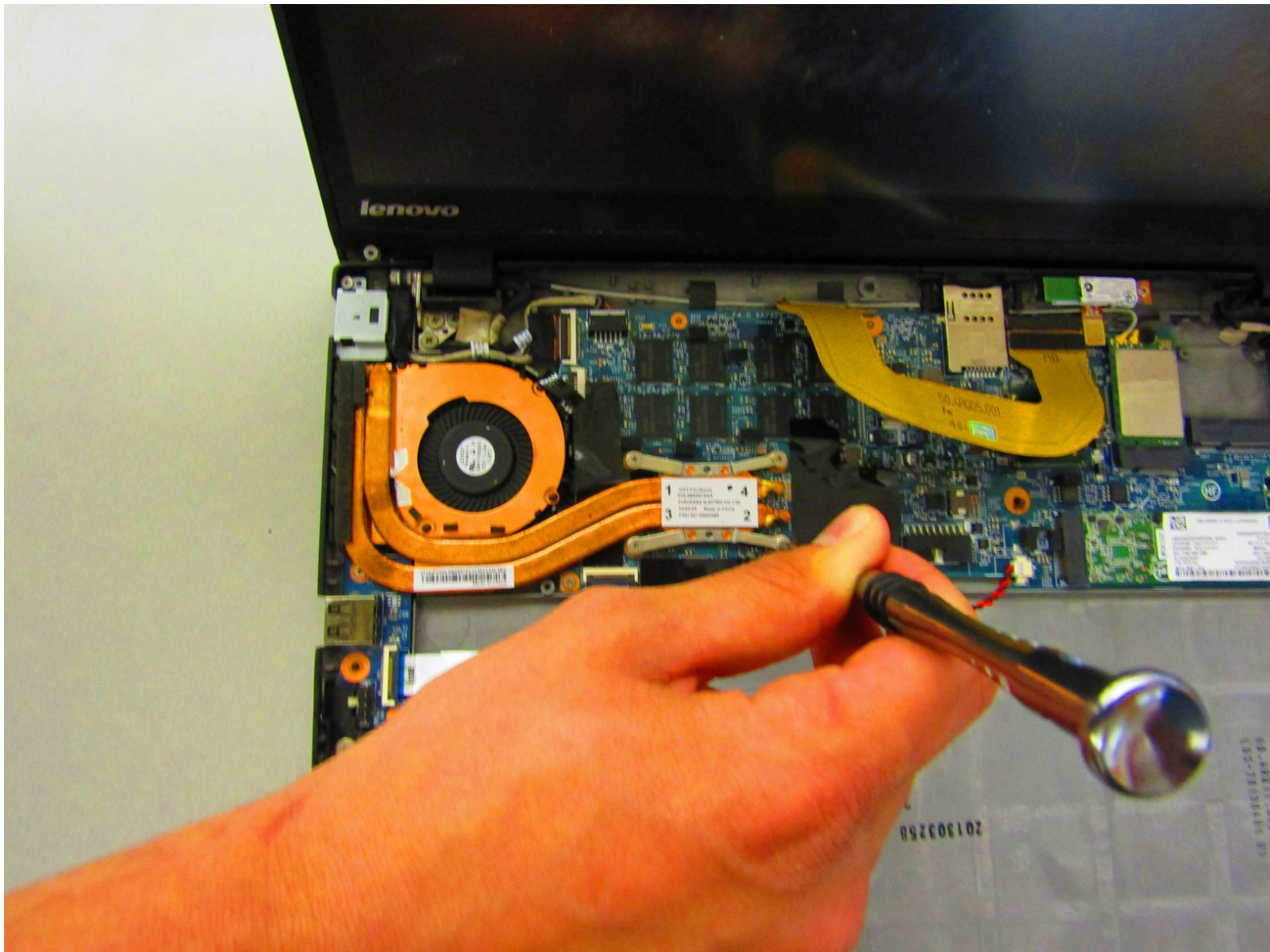
This guide shows how to replace the fan on a 1st Gen Lenovo x1 Carbon.

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🔧 TOOLS:

- [Phillips #00 Screwdriver](#) (1)
- [Phillips #0 Screwdriver](#) (1)
- [iFixit Opening Tool](#) (1)

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Step 1 — Remove rear screws

- Turn the laptop upside down, with the screen hinge away from you. Using the 0 size Phillips screwdriver, remove the 7 screws.
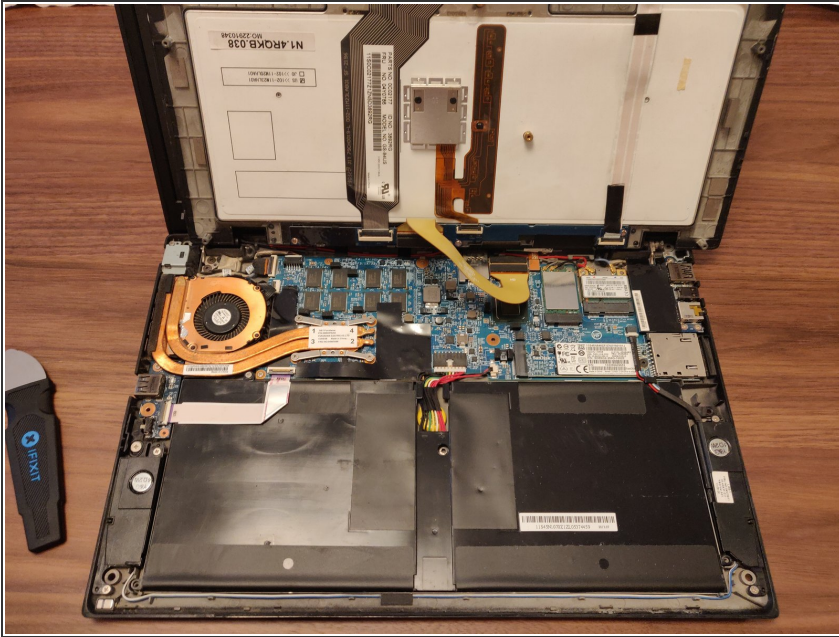
Step 2 — Open keyboard

- Turn the laptop right side up, and open the screen. Slide the plastic the spudger along the edge of the
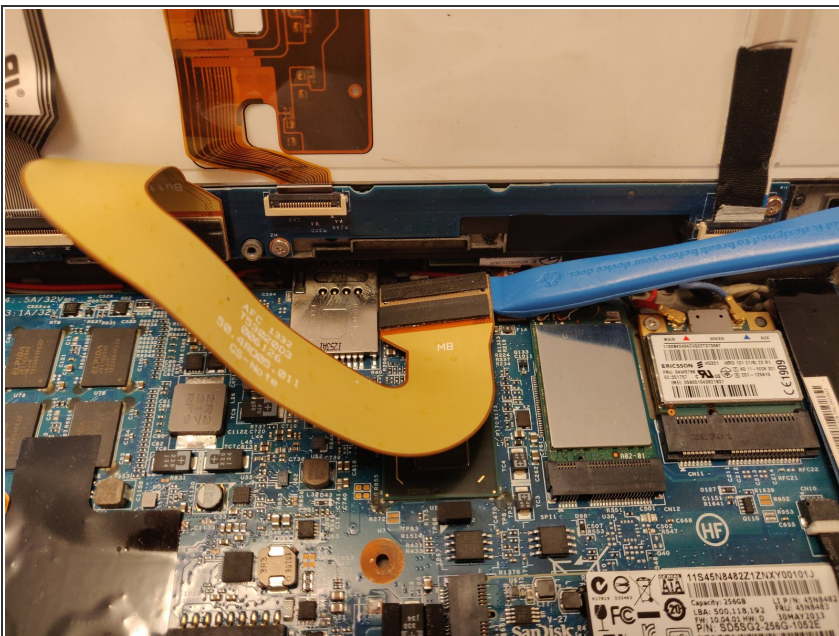
device to separate the keyboard tray. There are 4 catches, two on the top and two on the bottom.
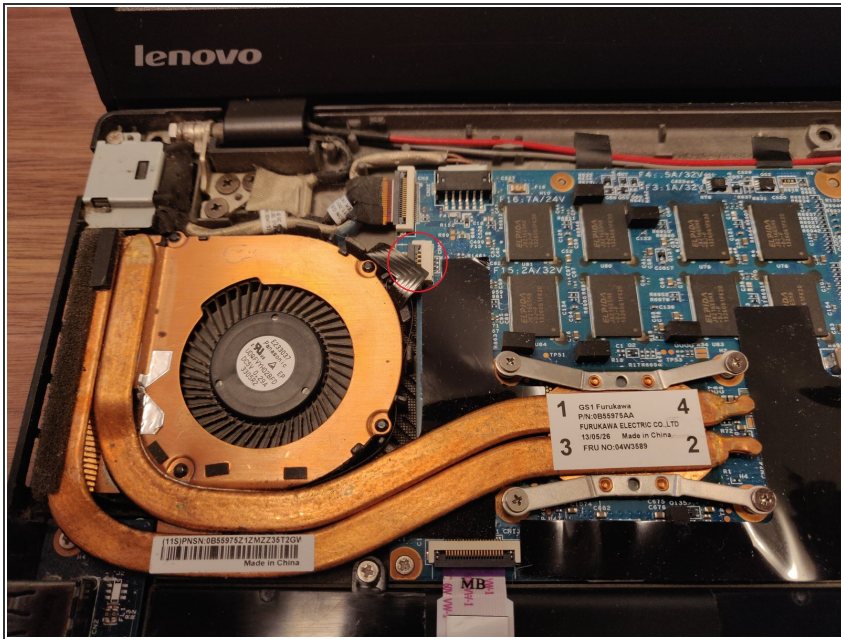
Step 3 — Open keyboard

- Gently lift the keyboard away from you, as you would open the screen. The cable connecting the keyboard to the chassis is at the top. It will want to shift slightly to the right as you open it to account for the cable.
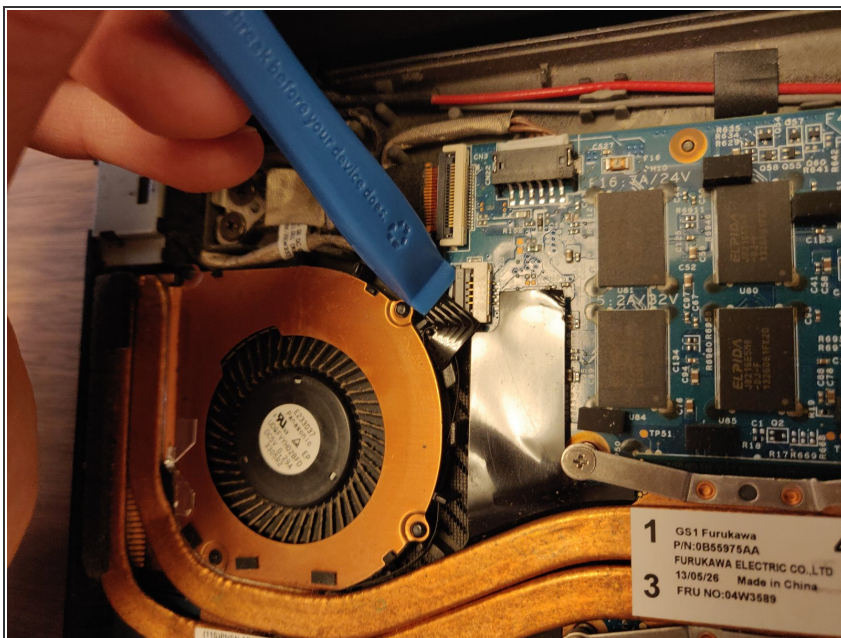
Step 4 — Remove keyboard

- Gently pry away the keyboard connector from the chassis, and set the keyboard aside.

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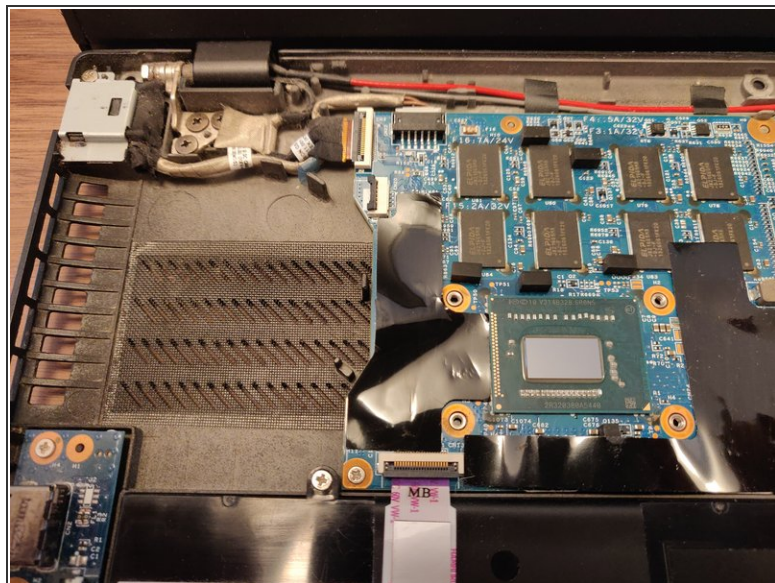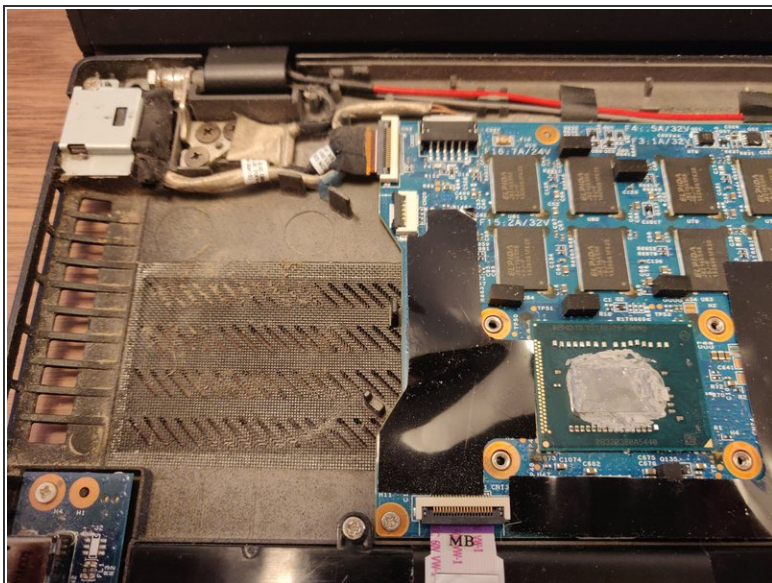www.iFixit.com

Step 5 — Remove CPU fan screws

- Locate the fan on the left side of the exposed device.

- Remove the 4 screws using the 00 size Phillips screwdriver, in the order detailed on the CPU, starting at the top left.

- Next, the CPU fan cable, circled in red...

Step 6 — Remove CPU fan cable

- Gently lift the CPU fan cable socket latch, and pull the cable to the left to remove.

Step 7 — Clean socket, CPU

- Clean the CPU with isopropyl alcohol, and the dust catcher for any debris/dust.

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

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