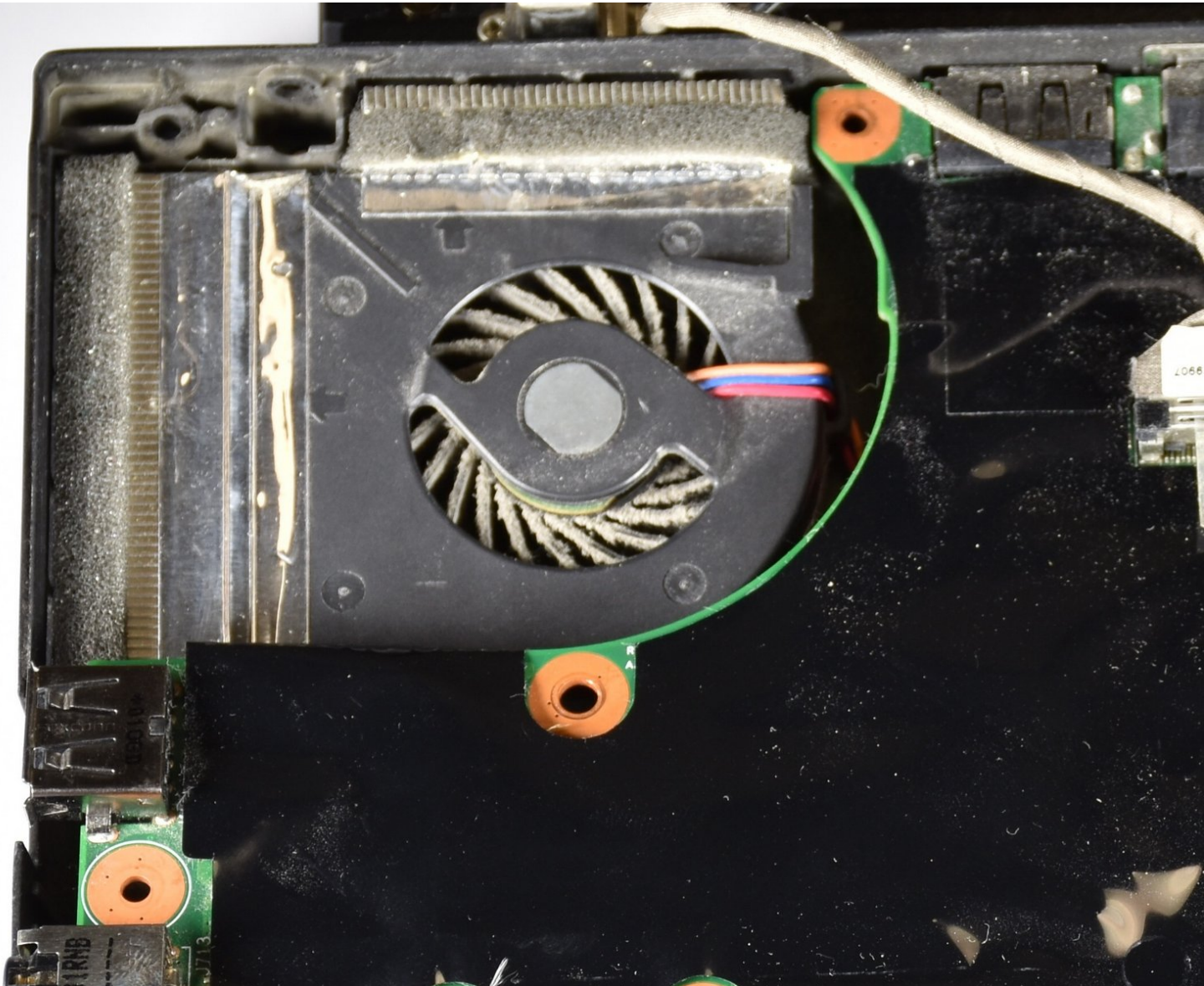




# Lenovo ThinkPad T400s Heatsink & Fan Replacement

Replacing the heatsink and fan for a Lenovo ThinkPad T400s.

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# INTRODUCTION

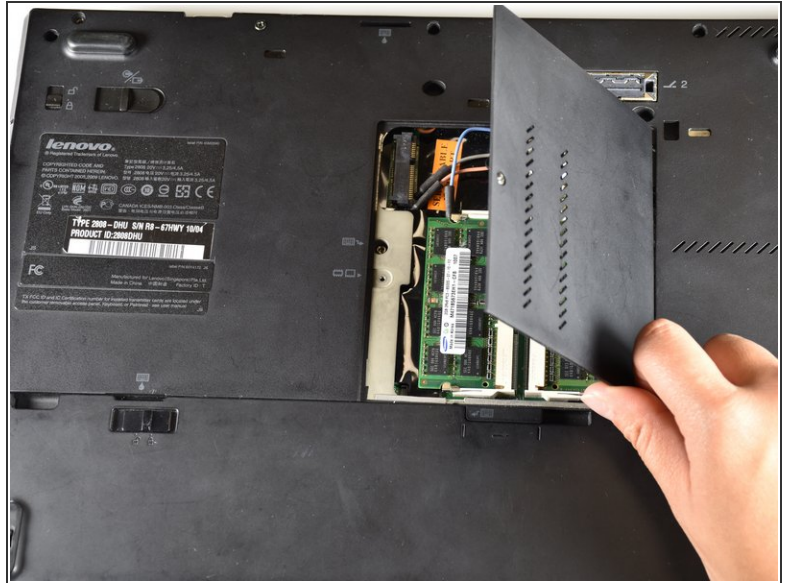
This guide will show you how to replace the heatsink and fan.



## TOOLS:

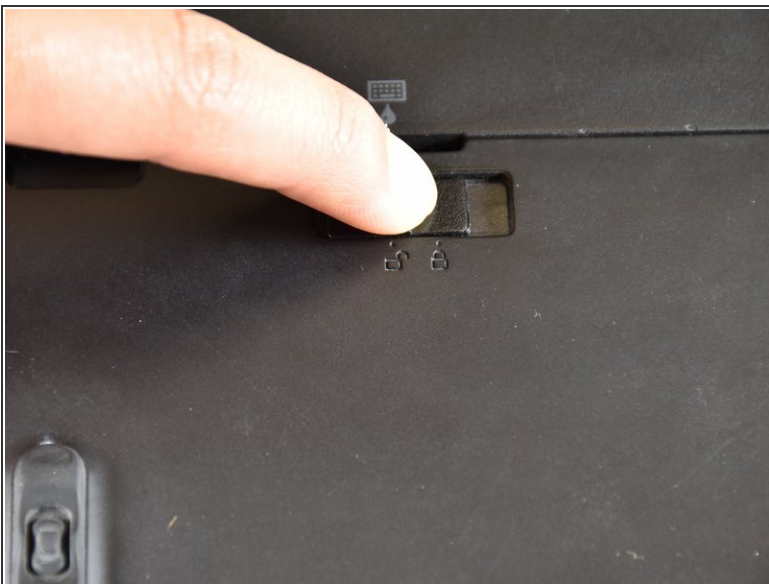
- [Metal Spudger](#) (1)
  - [Phillips #0 Screwdriver](#) (1)
  - [iFixit Opening Tools](#) (1)
  - [Tweezers](#) (1)
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## Step 1 — Keyboard



- Remove the Phillips #0-6mm screw.
- Lift up the back cover to the RAM cards.

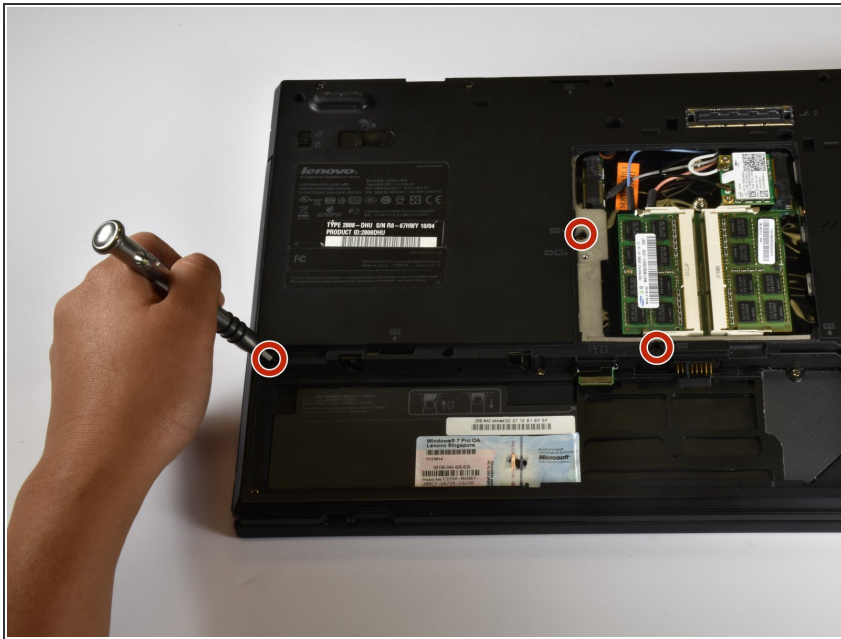
## Step 2



- Pull the lock for the battery to the left to unlock.
- While holding the tab in the unlocked position, remove the battery.



## Step 3



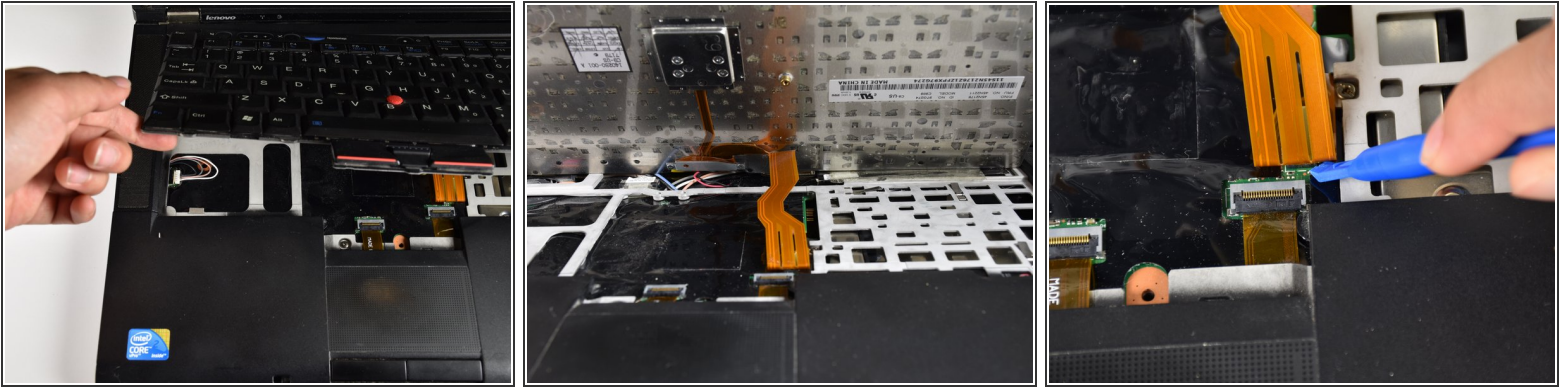
- Remove the three Phillips #0-6mm screws on the back panel.
- ⓘ These screws are marked with a keyboard symbol next to them.

## Step 4



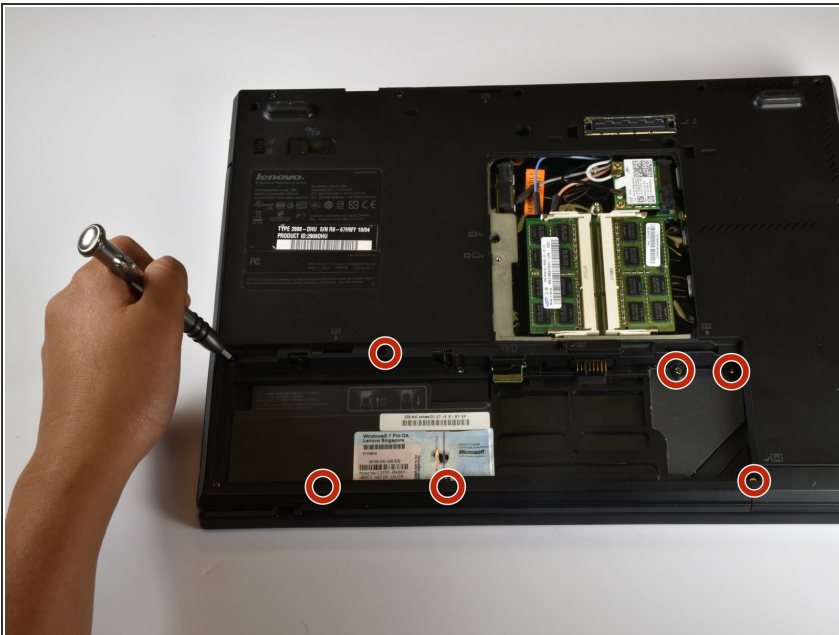
- Turn the computer over and open the lid.
- Wedge the small metal spudger between the palm rest and the keyboard.

## Step 5



- Lift up the keyboard, but be careful not to completely remove.
- ⚠ Don't lift the keyboard too quickly, there is a connector cable you must disconnect first.
- Wedge the small plastic opening tool underneath copper band and tilt back.
- Remove keyboard to replace.

## Step 6 — Heatsink/Fan



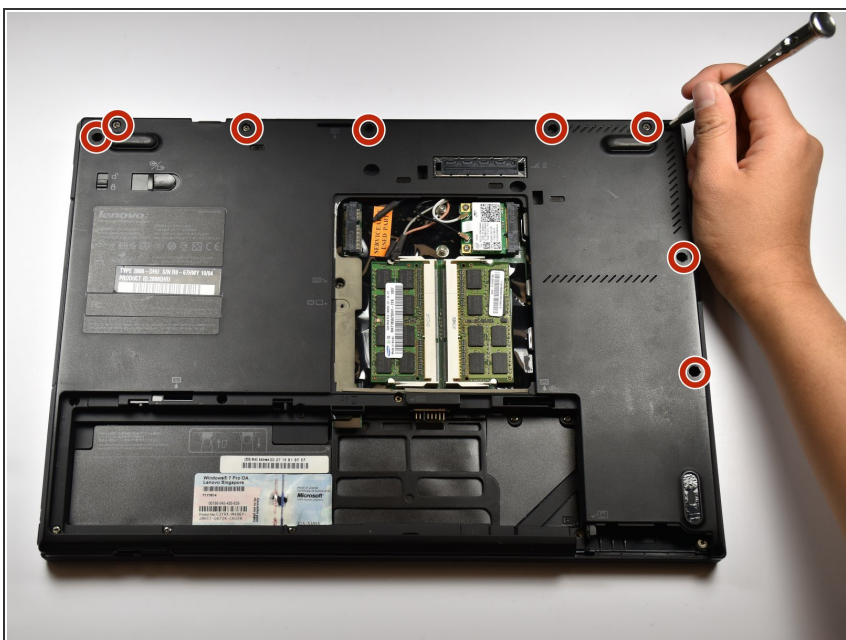
- Remove the 7 Phillips#0-4mm screws.

## Step 7



- Remove the SSD/HDD cover from the lower right corner of the laptop.

## Step 8



- Remove the nine Phillips #0-6mm screws on the back panel.



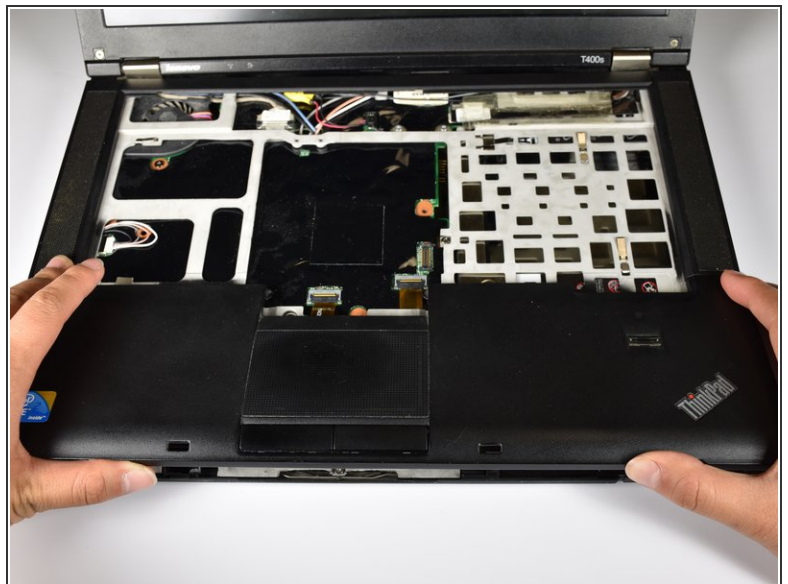
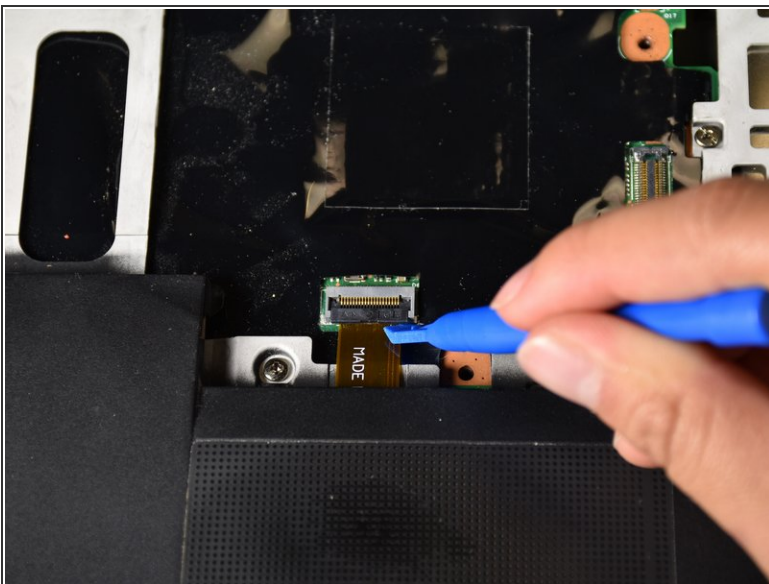
## Step 9



- Pull up on the unlock button while pushing left on the sliding tab.

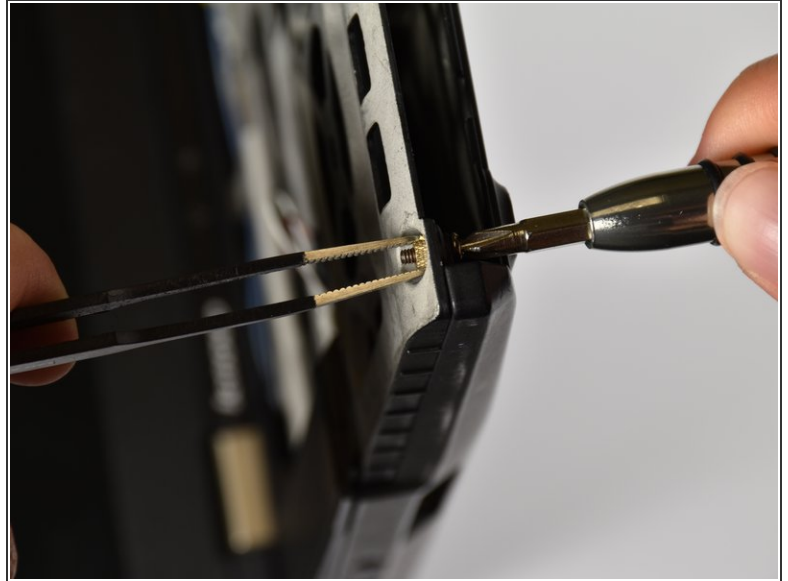
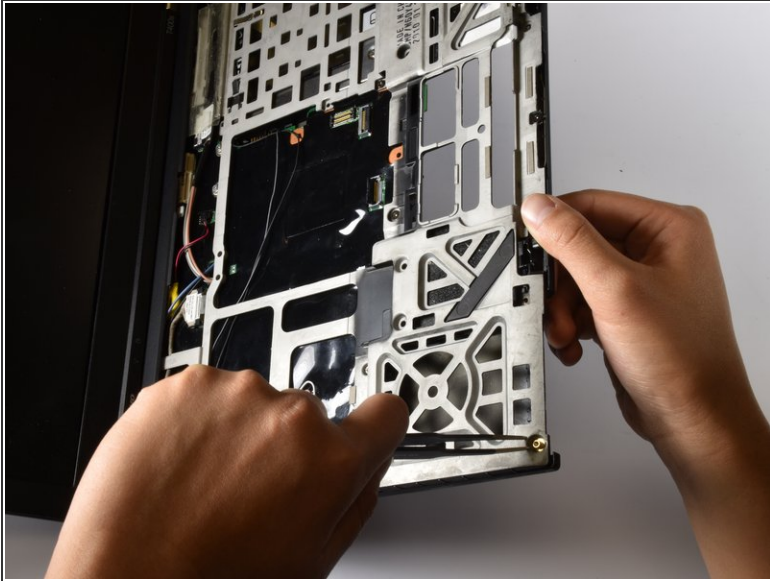
**i** Do not be discouraged if it takes some force.

## Step 10



- Use the plastic opening tool to lift the black tab up and remove the palm rest connection.
- Remove the palm rest by lifting the side nearest to you.

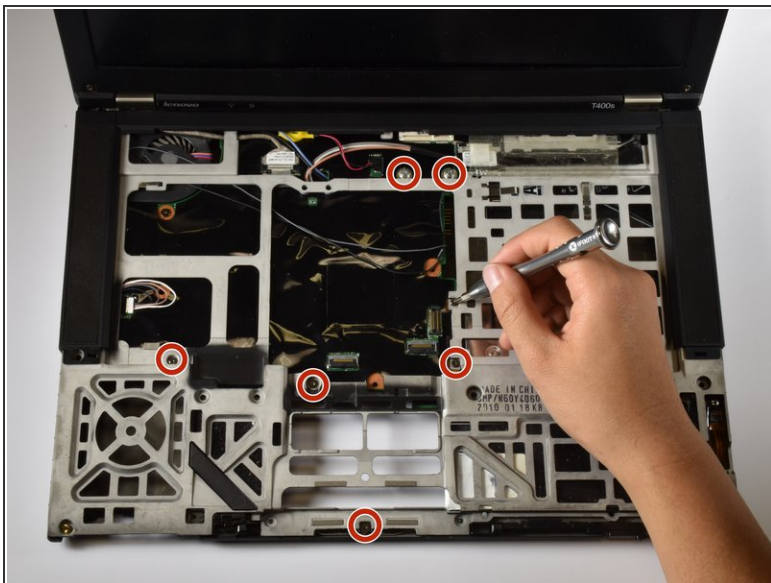
## Step 11



- Rotate the laptop 90 degrees counter-clockwise.
- Remove the safety screw on the bottom corner of the laptop by holding the gold cap in place with the tweezers and unscrewing the Phillips screw with the other hand.



## Step 12



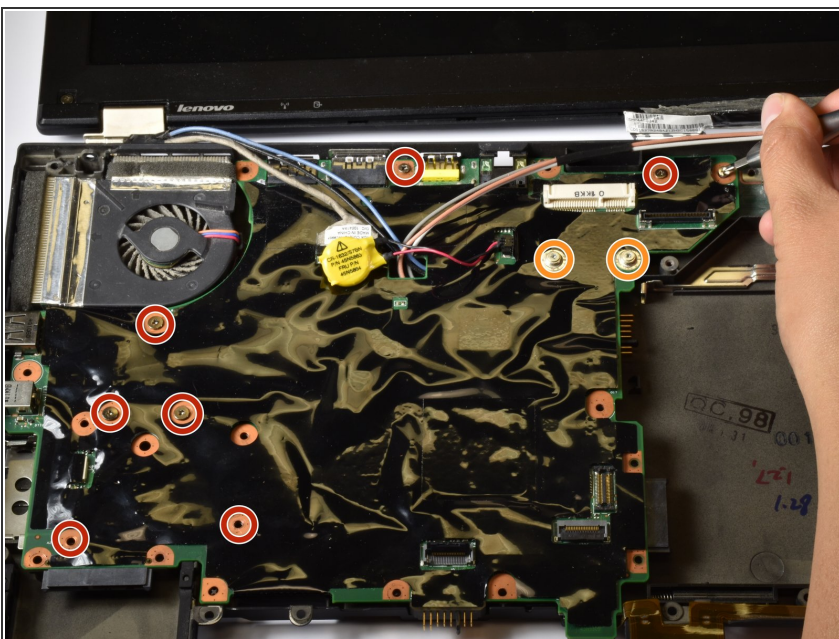
- Flip the computer over and open the lid. Unscrew the seven Phillips#0-4mm screws.
- Lift the frame up by the front and pull towards you to remove.

## Step 13



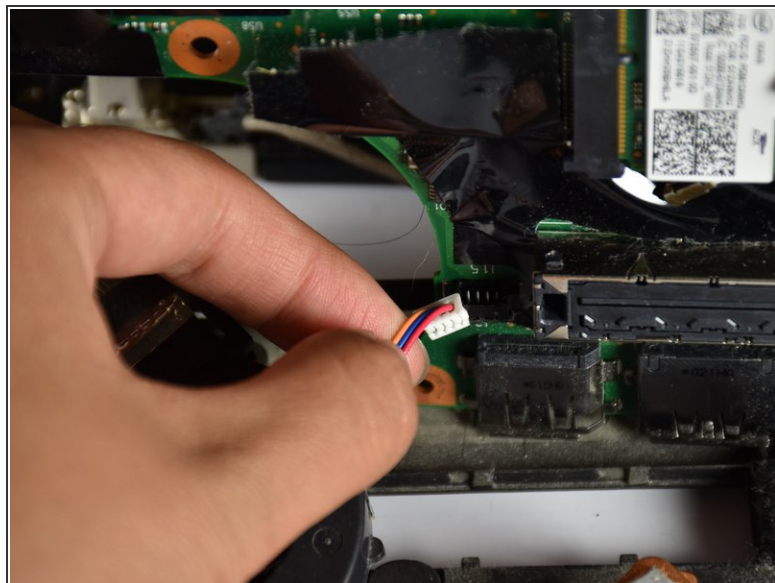
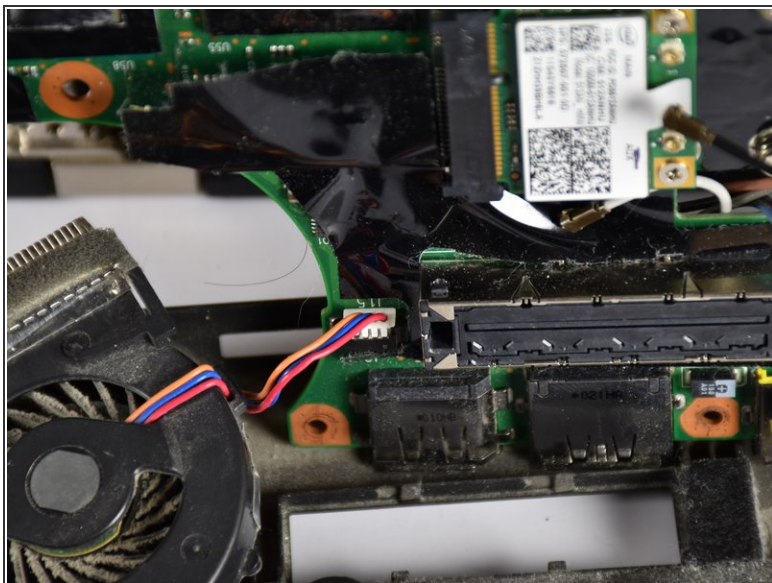
- Remove the two Phillips #0-6.5mm screws from the back side of the laptop to detach the screen.
- Lift the laptop down facing you, and place the screen down flat behind the laptop.
- ⓘ The screen will still be connected to the base by wires.

## Step 14



- Remove the eight Phillips #0-3mm screws.
- Remove the two Phillips #0-6mm screws.
- ⚠ The circuit board will still be attached by the colored wires.

## Step 15



- Tilt up the circuit board to access the heatsink and fan.
- Disconnect the white connector to remove.

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