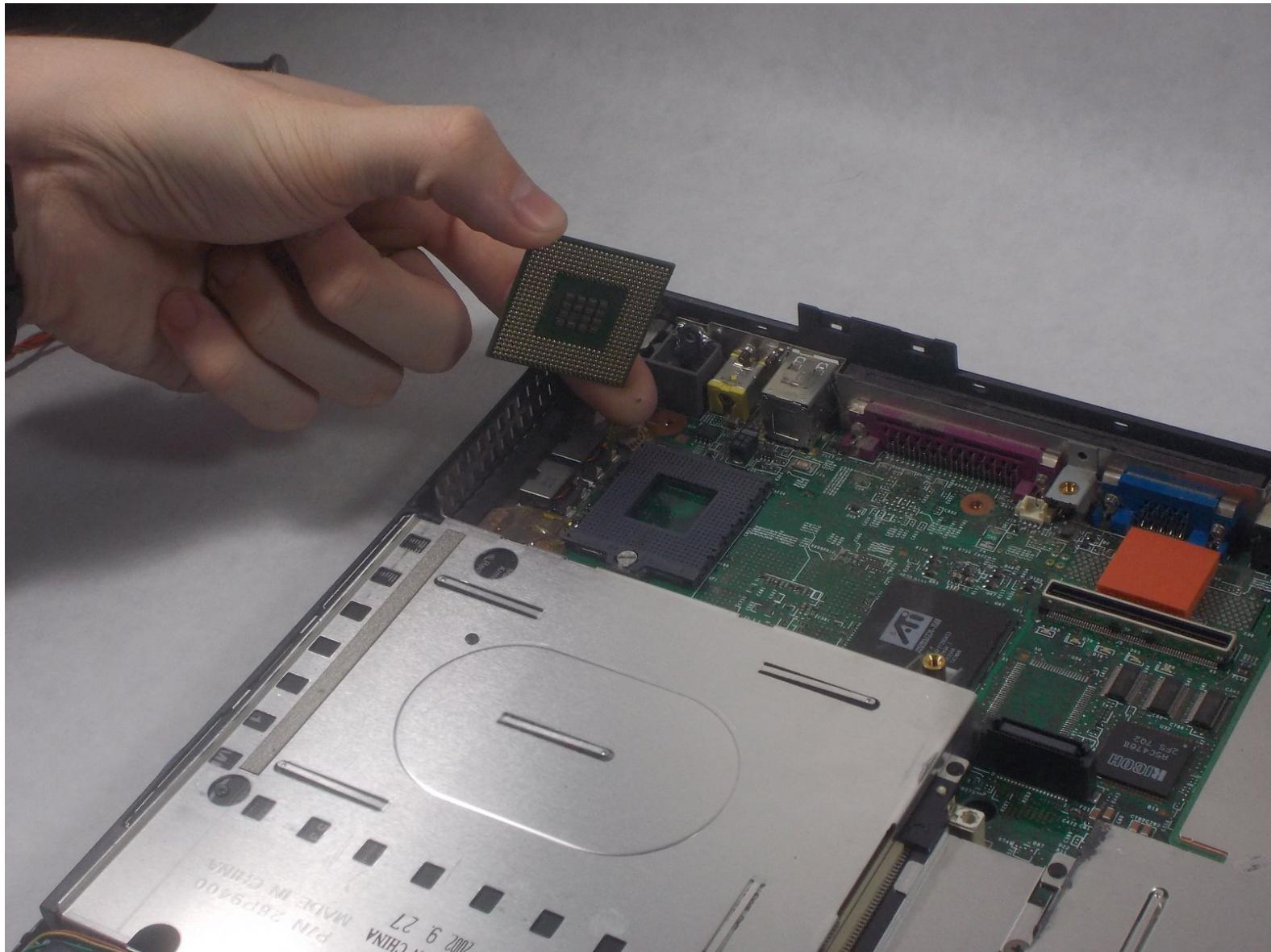




IBM ThinkPad A31 CPU Replacement

Use this guide to replace the CPU on your A31 ThinkPad.

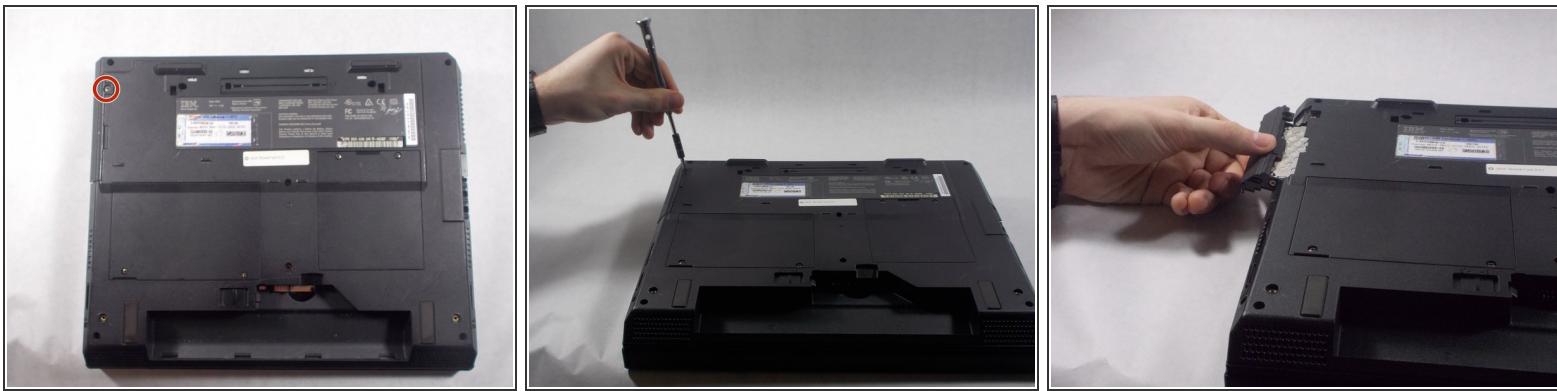
Written By: Thomas Stone



 **TOOLS:**

- [iFixit Opening Tools \(1\)](#)
- [Phillips #1 Screwdriver \(1\)](#)
- [Flathead 3/32" or 2.5 mm Screwdriver \(1\)](#)

Step 1 — Hard Drive



- Remove the 6mm screw
- Pull out the hard drive

 The hard drive might be a little tough to pull out

Step 2 — Keyboard



 The sticker is to keep the warranty on the laptop so once removed the warranty is void

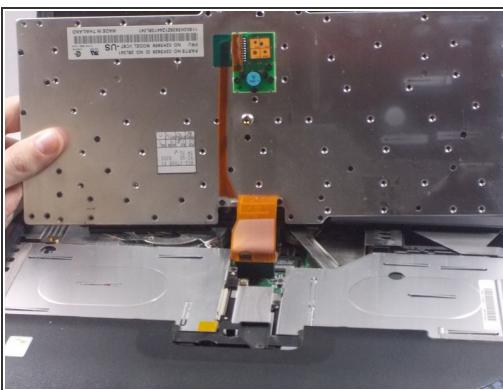
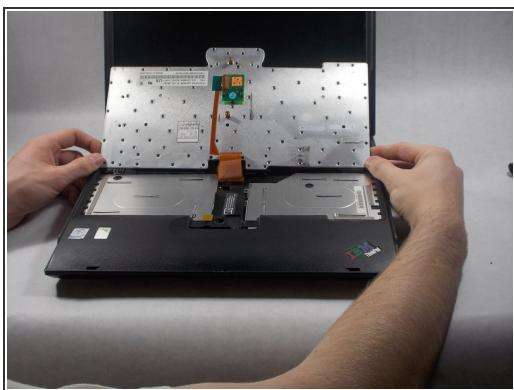
- Peel the sticker and remove the 15mm screw
- Remove all 6 of the 16mm screws

Step 3



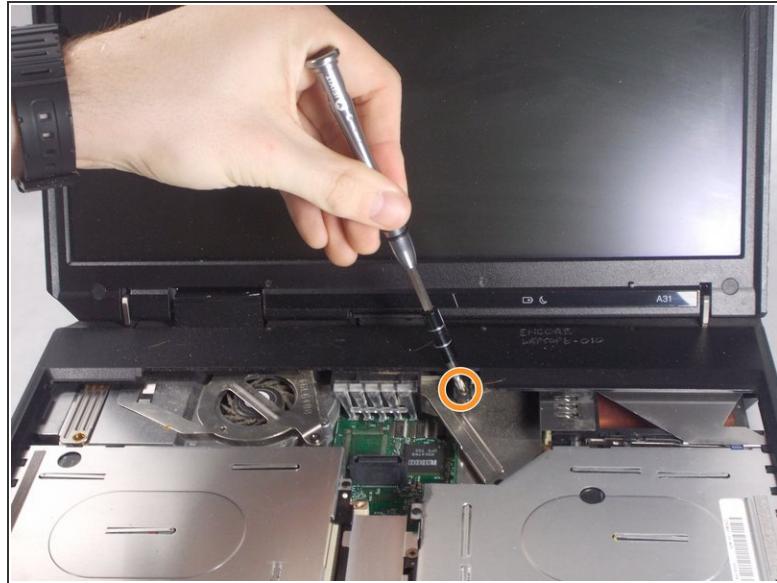
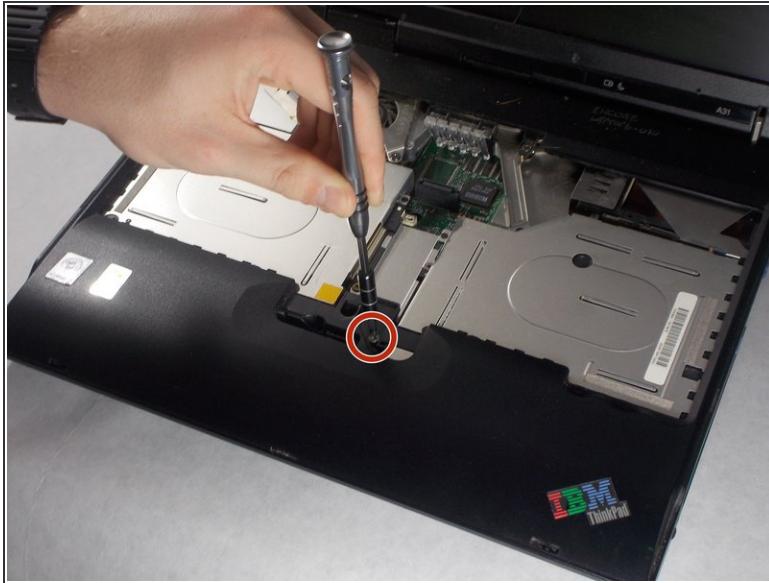
- use a prying tool and insert it on the cracks on the sides of the keyboard and lift gently until you here a click
- repeat this step on all sides of the keyboard until the keyboard is completely detached from the laptop

Step 4



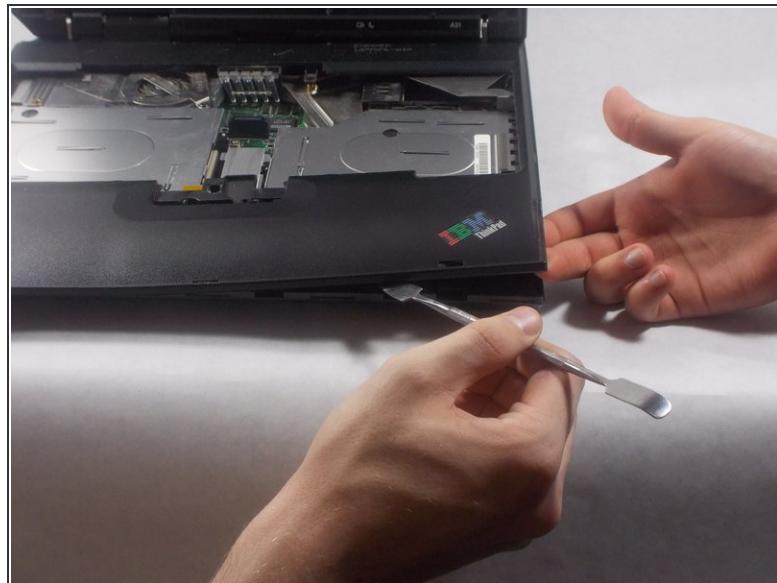
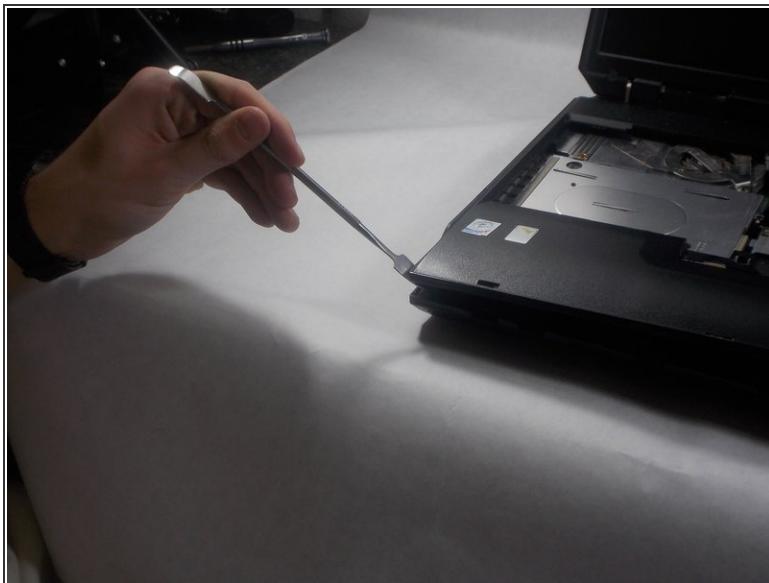
- Lift the keyboard and remove the keyboard ribbon cable from the laptop

Step 5 — Display



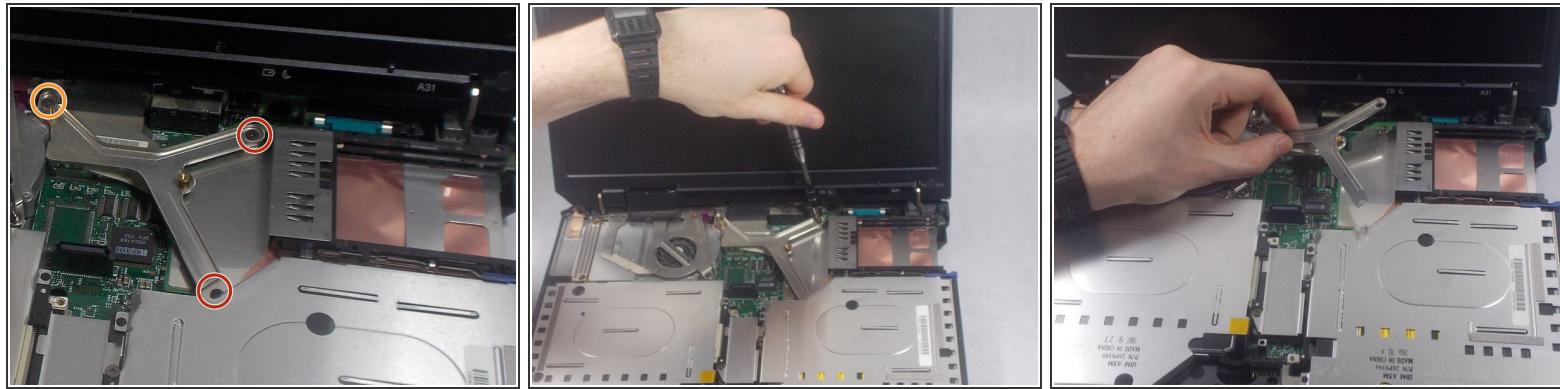
- Remove the one 21mm screw
- Remove the 6mm screw

Step 6



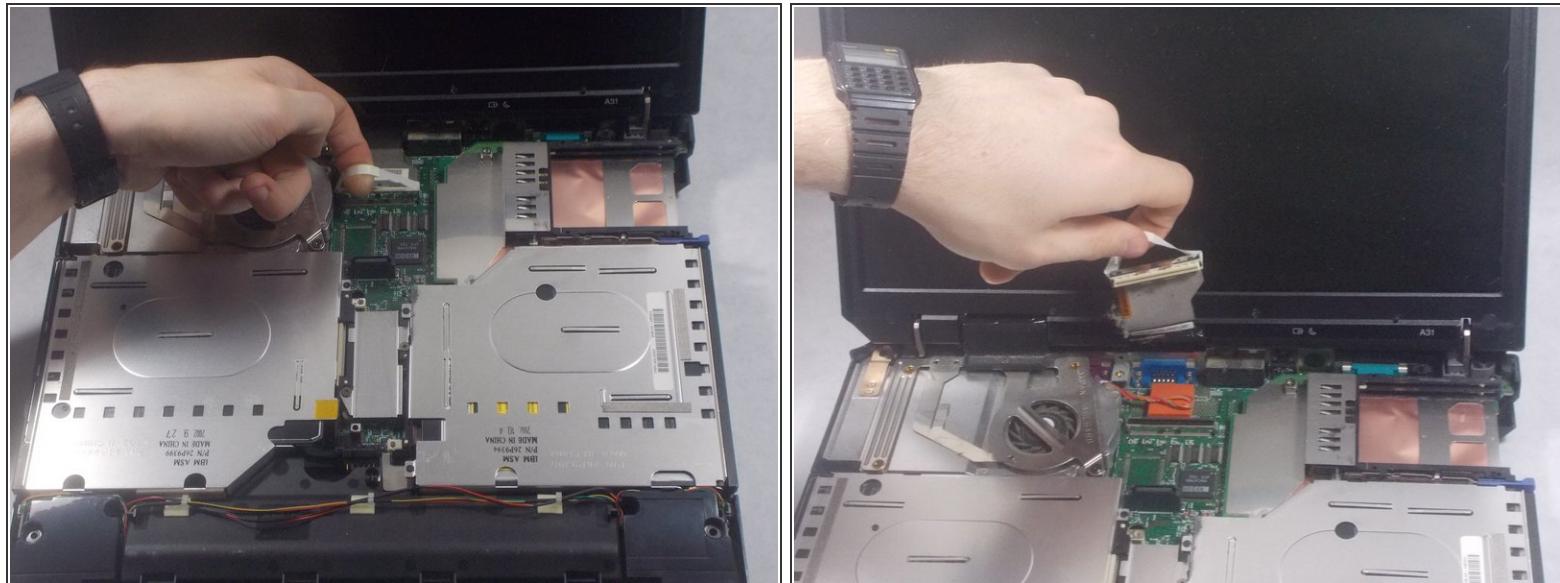
- Take the tool and run it under the black case.

Step 7



- Unscrew the 2 (17mm) screws
- Unscrew the 6mm screw

Step 8



- Gently disconnect the white display ribbon cable

⚠ Pulling on the ribbon cable too hard could result in worse or faulty connection.

Step 9

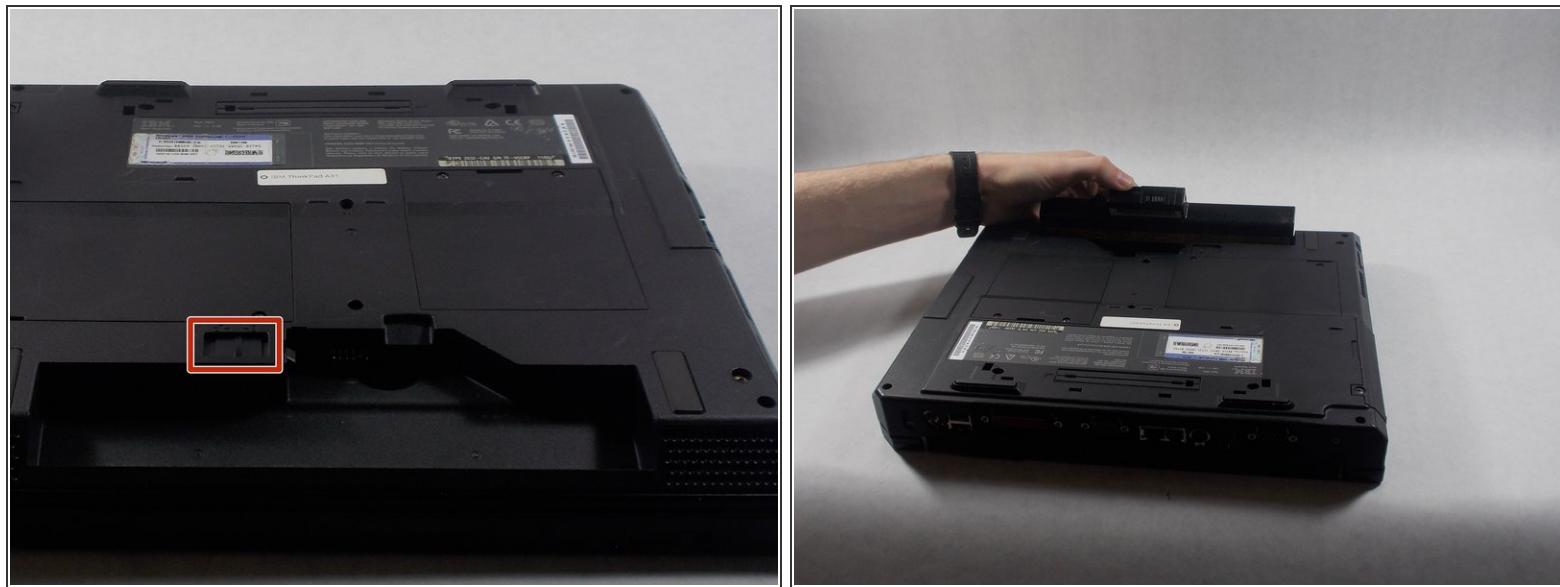


- Unscrew 4 (6mm) screws
- Lift screen straight up



If not lifted straight up the screen could get damaged

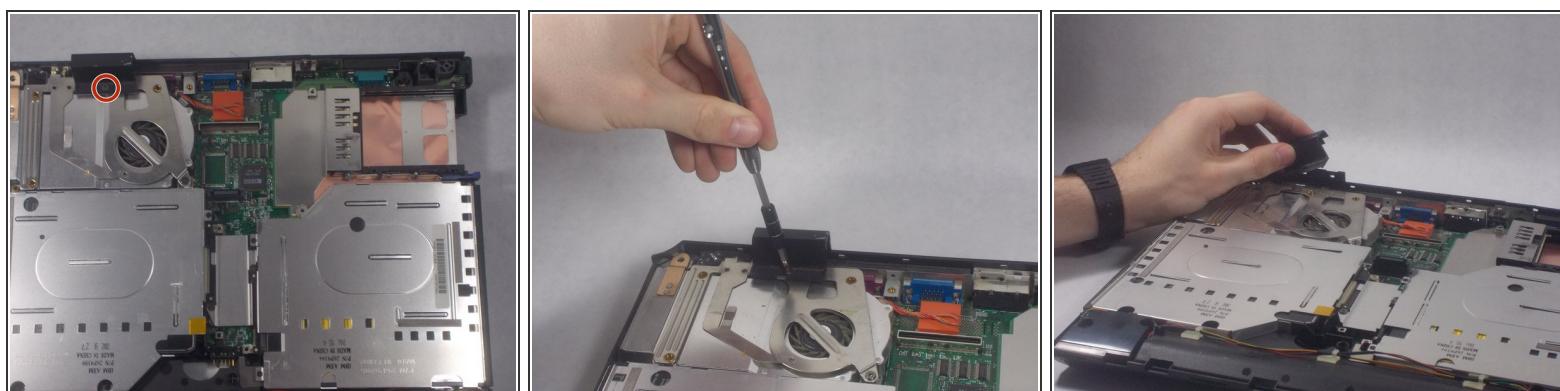
Step 10 — Battery



- Flip the ThinkPad over so that it is upside down.
- Push latch switch to the left.
- Gently lift the battery out and away from the ThinkPad

(i) You have to hold the latch to the left while you remove the battery. Simply pushing once will not unlock the battery

Step 11 — CPU



- Remove the 6mm screw
- Lift the bracket out

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Step 12



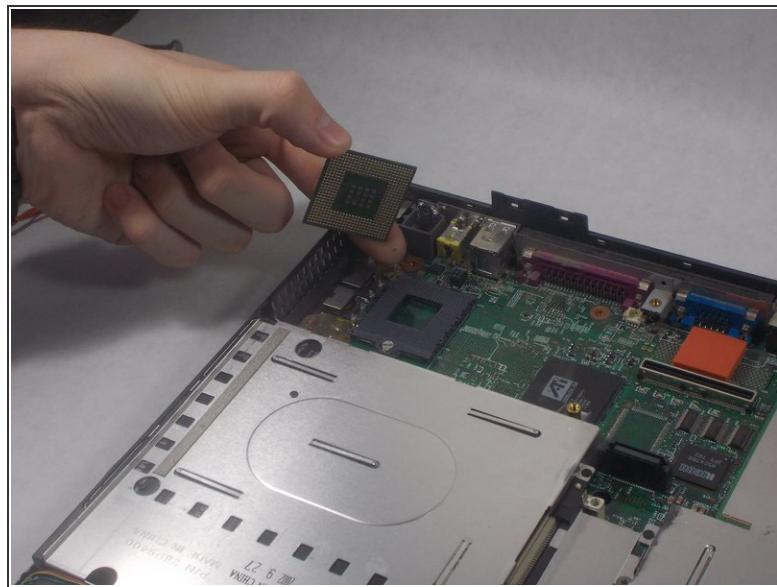
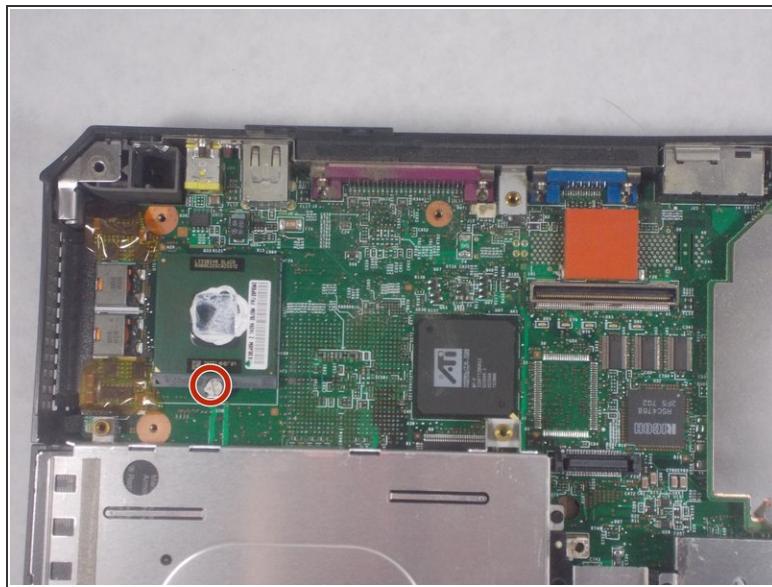
- Remove one 6mm screw
- Remove 3 18mm screws
- Take off the bracket on the CPU fan

Step 13



- Lift the CPU fan
- Pull out the cable attached to the motherboard

Step 14



- Turn the locking screw to unlock with the flat head screwdriver
- Lift the CPU out

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