



Lenovo IdeaPad U430 Touch Motherboard Replacement

Replacing motherboard on the Lenovo Ideapad U430 touch.

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INTRODUCTION

Use this guide to replace a bad motherboard on your Lenovo Ideapad U430 touch.

TOOLS:

- [Phillips #1 Screwdriver](#) (1)
- [iFixit Opening Tools](#) (1)
- [Heavy-Duty Spudger](#) (1)

Step 1 — Bottom Cover



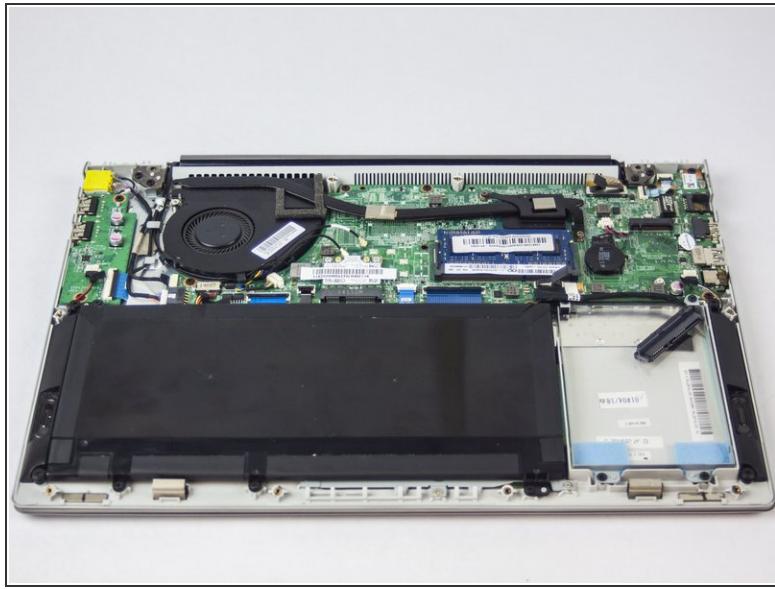
- Power off your computer before you begin.
- Find and remove the 10 Phillips style body screws on the bottom of the laptop case.

Step 2



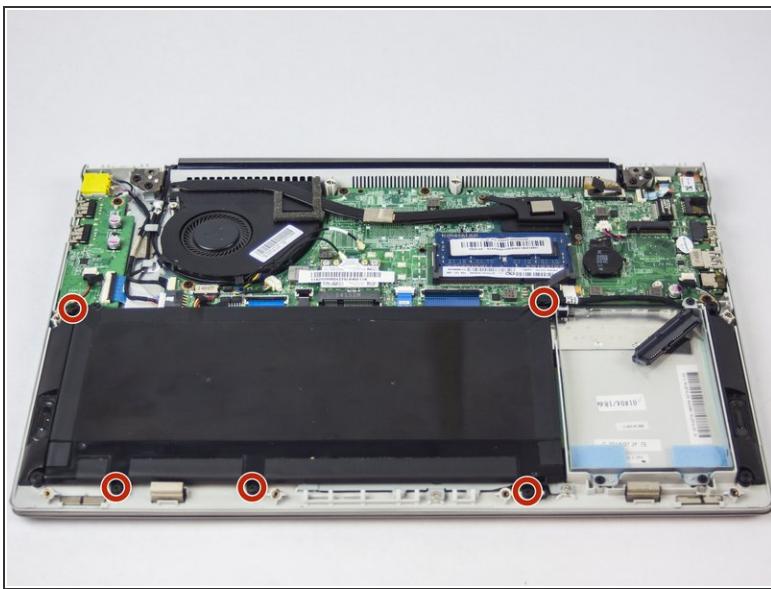
- Remove 2 screws, 1 located on the left hinge cover and one located on the right hinge cover.

Step 3



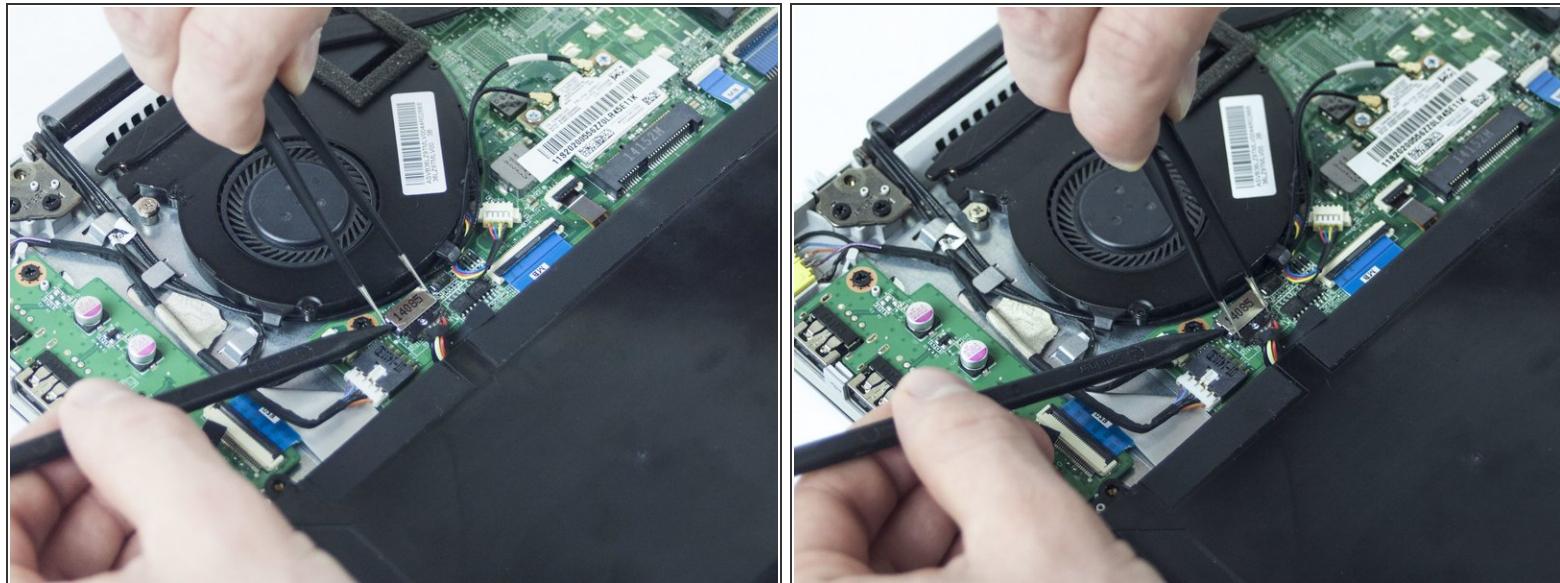
- Starting from the front, use a plastic opening tool to separate the bottom of the case from the body of the laptop.

Step 4 — Battery



- Remove the five 2.8 mm #1 Phillips head screws that hold down the battery pack.

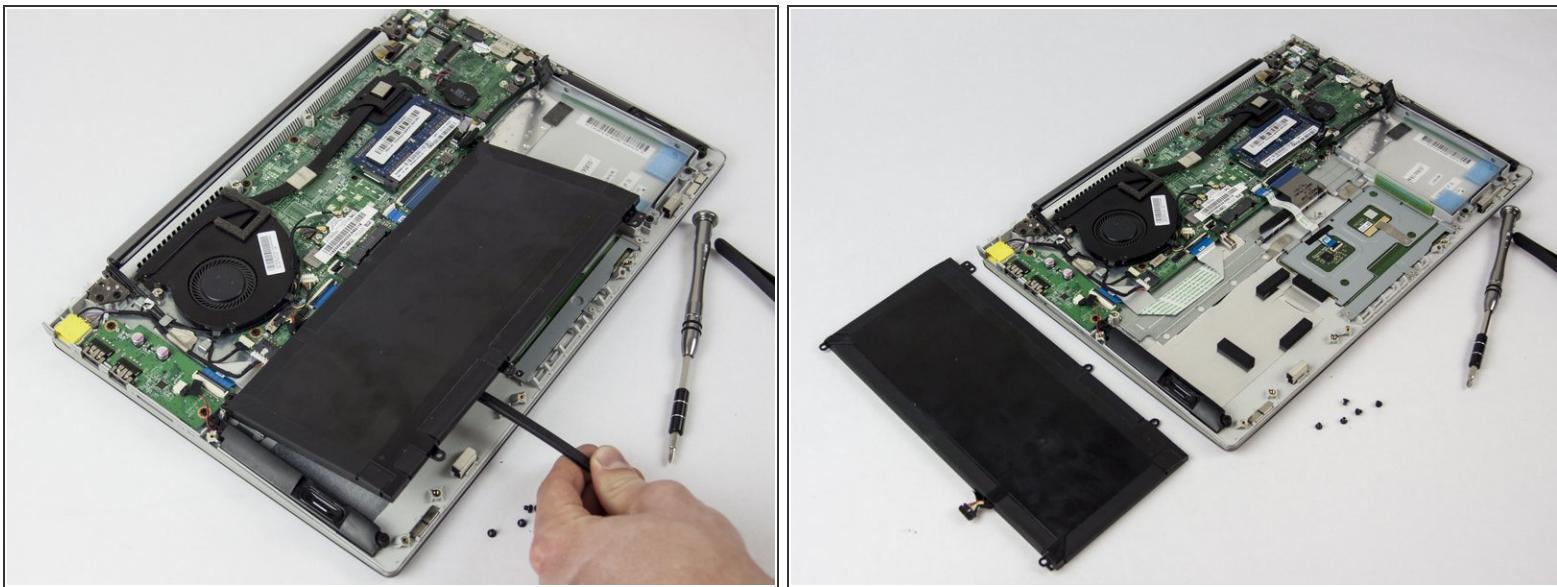
Step 5



- Using a combination of plastic opening tool and spudger, press in on the clips on the sides of the battery connector and push the connector out
- When you get the connector out far enough, grab behind the connector tabs with tweezers and wiggle the connector the rest of the way out.

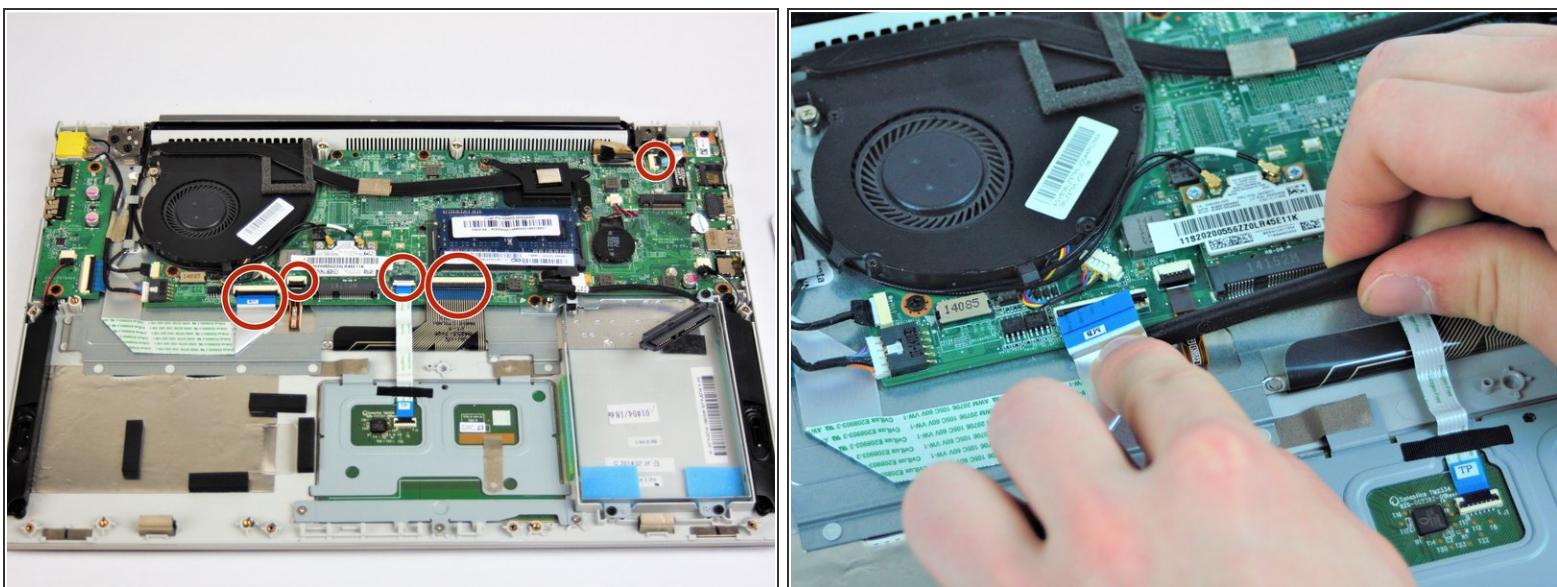
(i) The battery connector is very tight fitting, you may need to use a metal spudger in order to get the connector out far enough.

Step 6



- Once the battery is disconnected, lift up on the front of the battery and remove it from the laptop body.

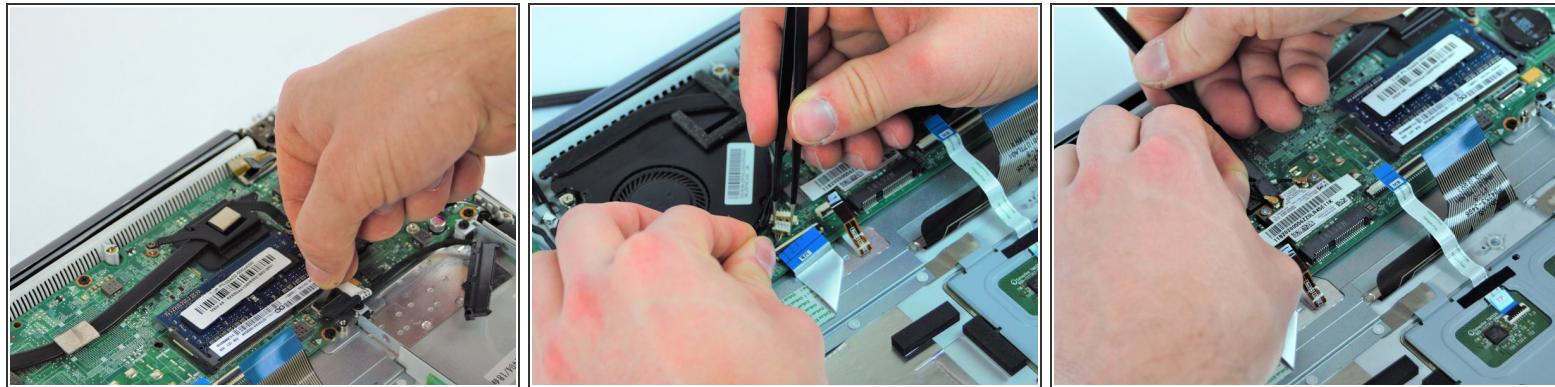
Step 7 — Motherboard



- Disconnect all 5 ZIF ribbon connectors from the motherboard.

(i) To disconnect a ZIF connector, use your fingernail or a plastic spudger to flip the retainer up, and gently pull the ribbon cable out.

Step 8



- Using a plastic spudger, lift up and remove the hard drive and screen flat-topped connectors
- Use the spudger and metal tweezers to remove the two cable connectors and two bundled cable connectors.
- Use the plastic spudger to lift up and remove the two antenna connectors.

Step 9

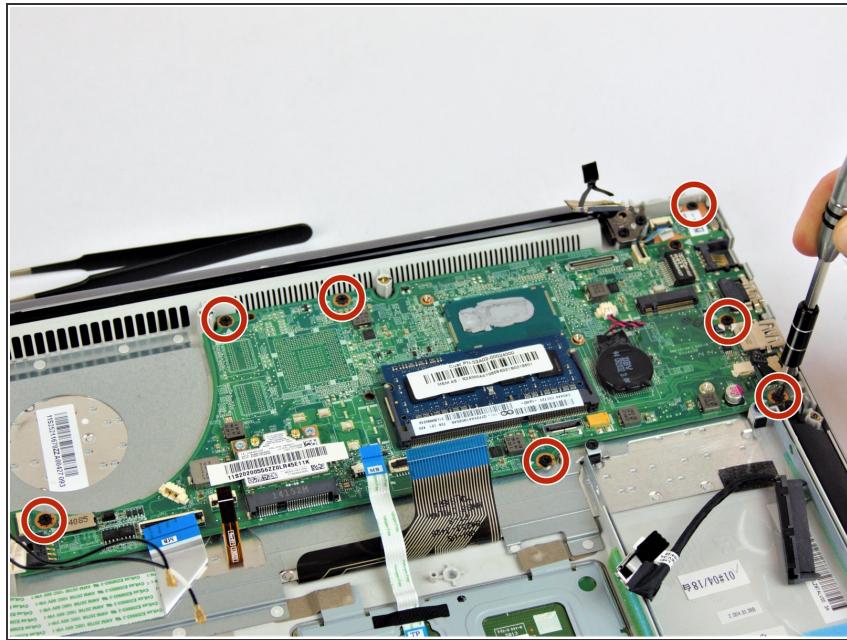


- Unscrew the three 3mm #1 Phillips head screws holding down the cooling assembly and fan.

(i) These screws remain secured with the assembly.

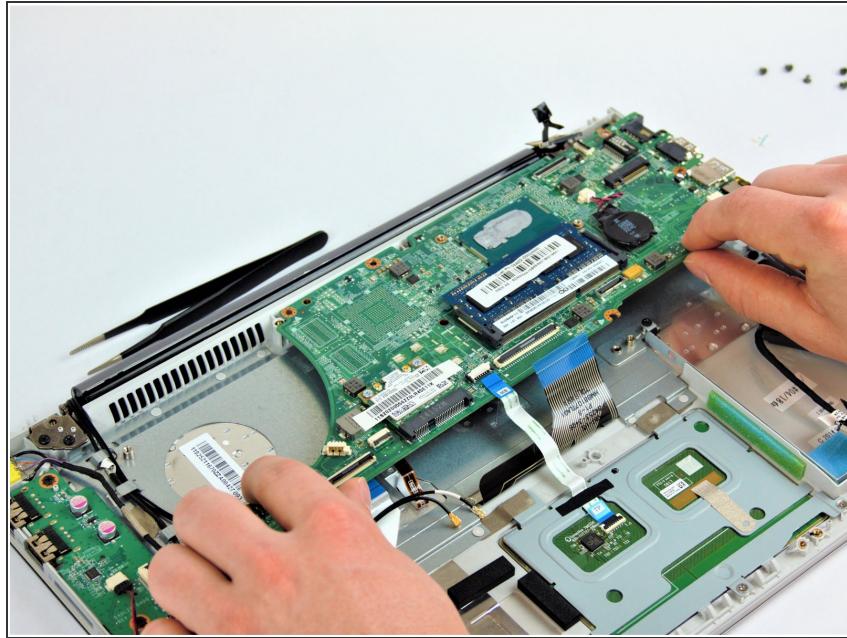
- Remove the cooling assembly from the motherboard.

Step 10



- Unscrew all seven 2.8mm #1 Phillips head screws that secure the motherboard to the laptop.

Step 11



- Lift the motherboard out of the laptop case.

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