



Lenovo IdeaPad U430 Touch Motherboard Replacement

Use this guide to replace a bad motherboard on...

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INTRODUCTION

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

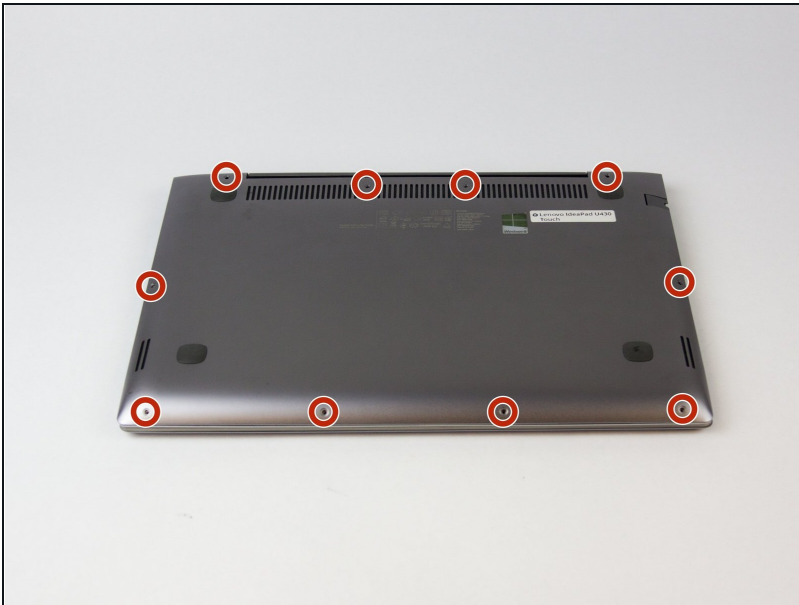
TOOLS:

Phillips #1 Screwdriver (1)

iFixit Opening Tool (1)

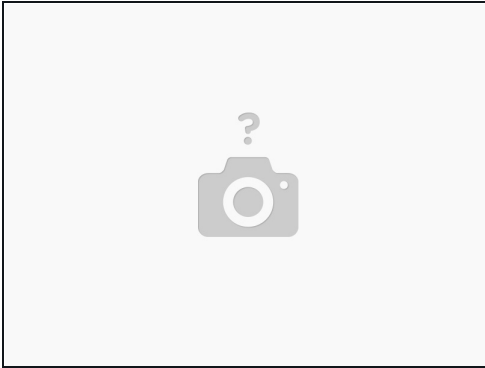
Heavy-Duty Spudger (1)

Step 1 — Bottom Cover



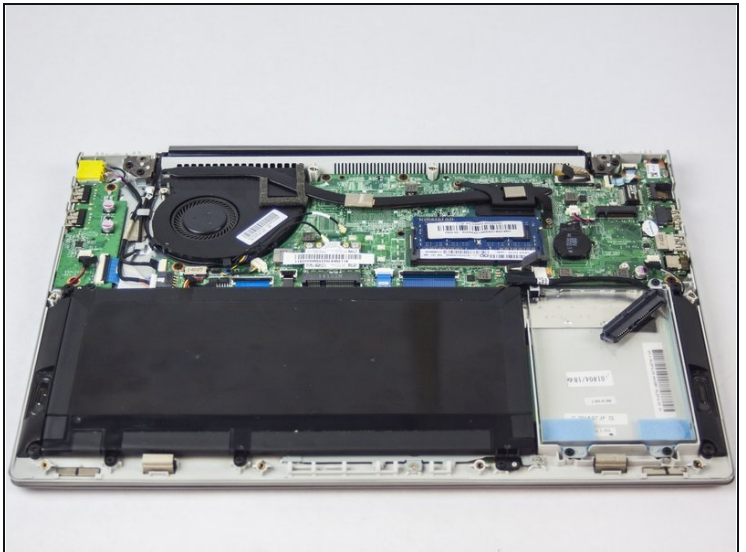
- Power off your computer before you begin.
- Find and remove the 10 Phillips style body screws on the bottom of the laptop case.

Step 2



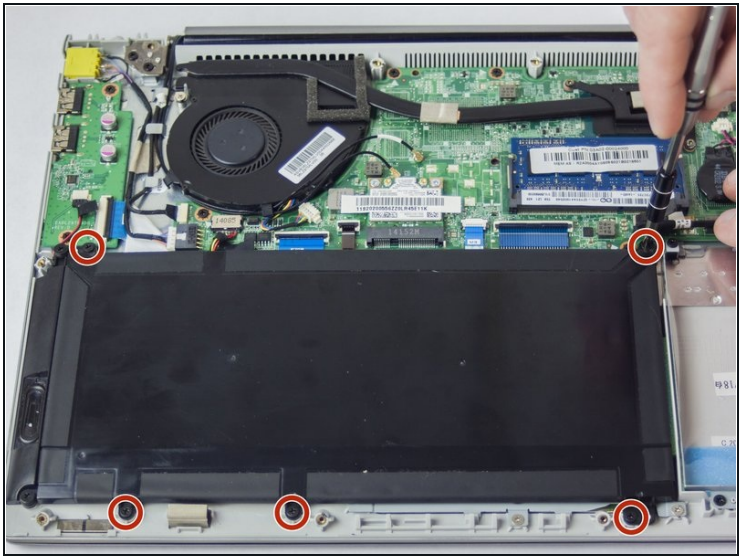
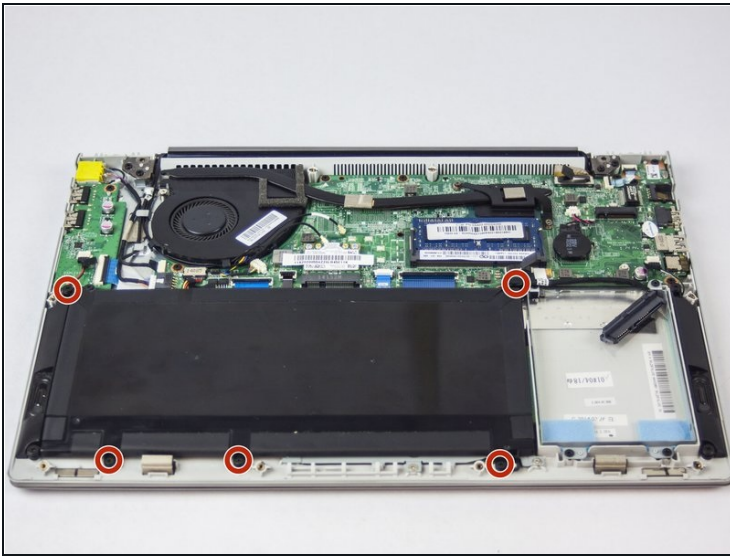
- Remove 2 screws, 1 located on the left hinge cover and one located on the right hinge cover.

Step 3



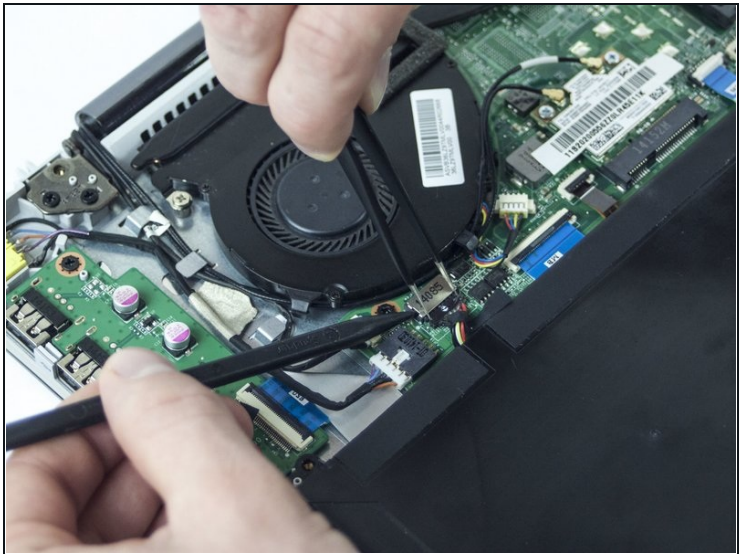
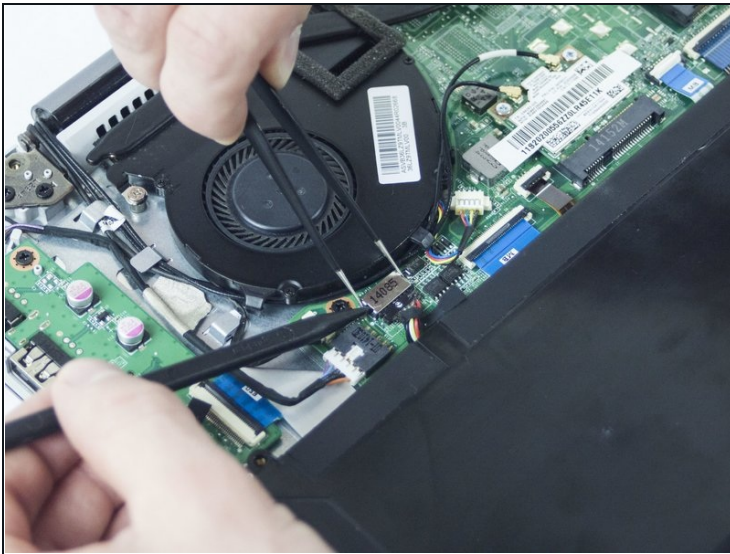
- Starting from the front, use a plastic opening tool to separate the bottom of the case from the body of the laptop.

Step 4 — Battery



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

Step 5



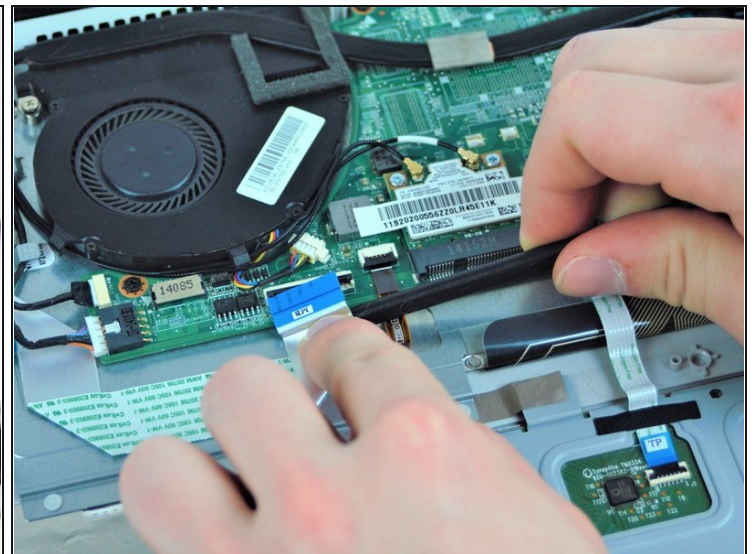
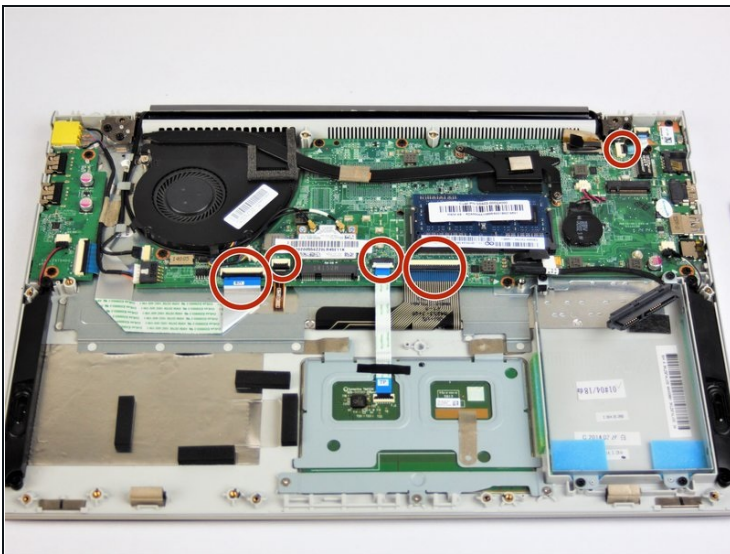
- Using a combination of plastic opening tool and spudger, press in on the clips on the sides of the battery connector and push the connector out
 - When you get the connector out far enough, grab behind the connector tabs with [tweezers](#) and wiggle the connector the rest of the way out.
- ⓘ The battery connector is very tight fitting, you may need to use a metal spudger in order to get the connector out far enough.

Step 6



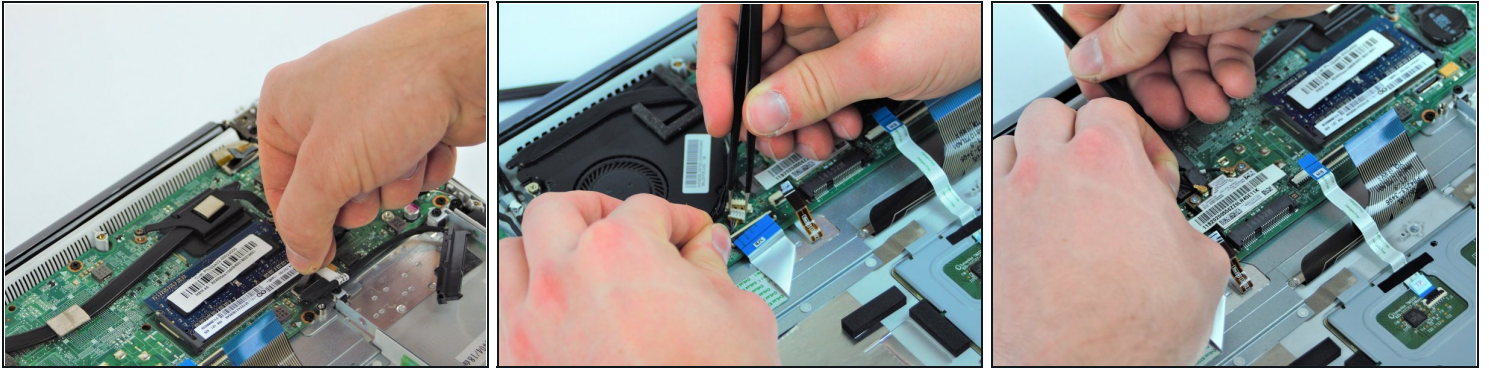
- Once the battery is disconnected, lift up on the front of the battery and remove it from the laptop body.

Step 7 — Motherboard



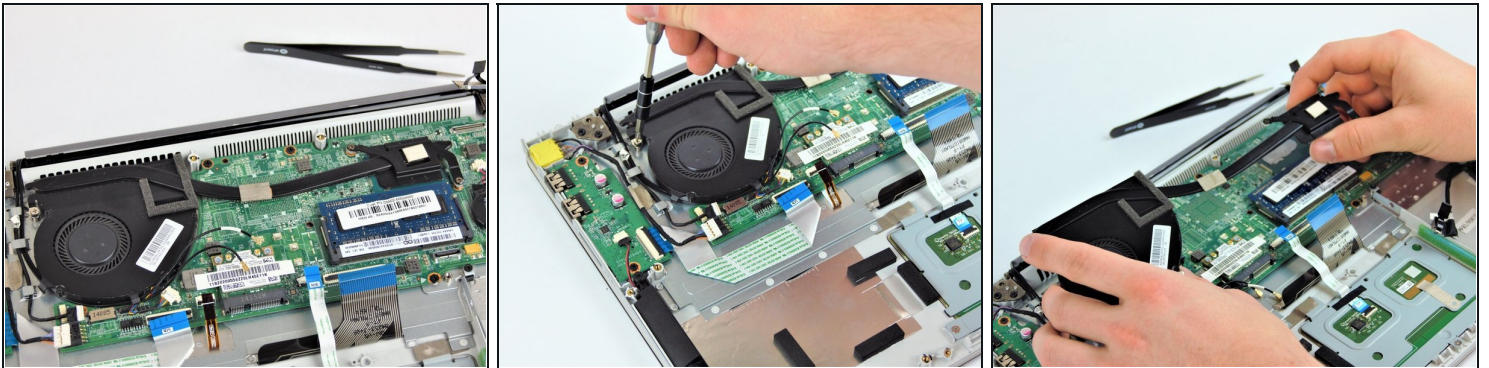
- Disconnect all 5 ZIF ribbon connectors from the motherboard.
- ① To disconnect a ZIF connector, use your fingernail or a plastic spudger to flip the retainer up, and gently pull the ribbon cable out.

Step 8



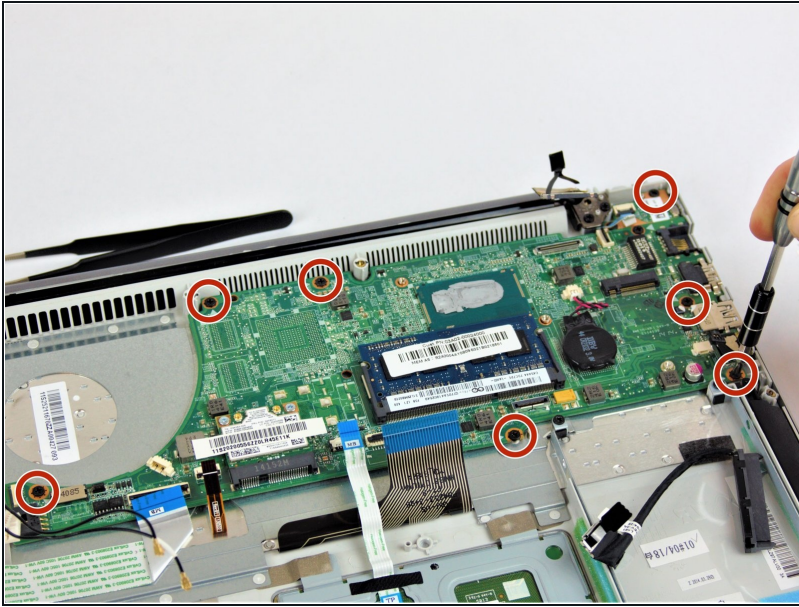
- Using a plastic spudger, lift up and remove the hard drive and screen flat-topped connectors
- Use the spudger and metal [tweezers](#) to remove the two cable connectors and two bundled cable connectors.
- Use the plastic spudger to lift up and remove the two antenna connectors.

Step 9



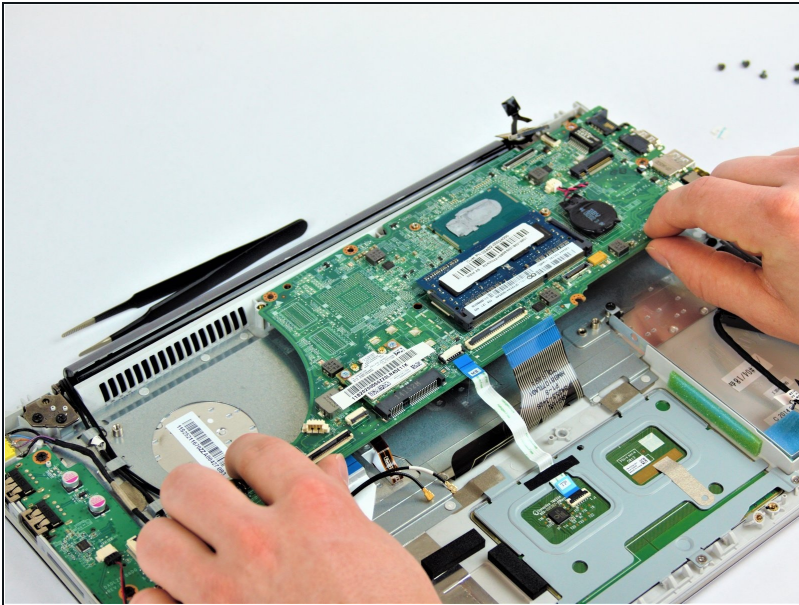
- Unscrew the three 3mm #1 Phillips head screws holding down the cooling assembly and fan.
- ① These screws remain secured with the assembly.
- Remove the cooling assembly from the motherboard.

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.