



Lenovo IdeaPad Flex 5-1570 Motherboard Replacement

This guide is for replacing a Lenovo IdeaPad Flex 5-1570 motherboard.

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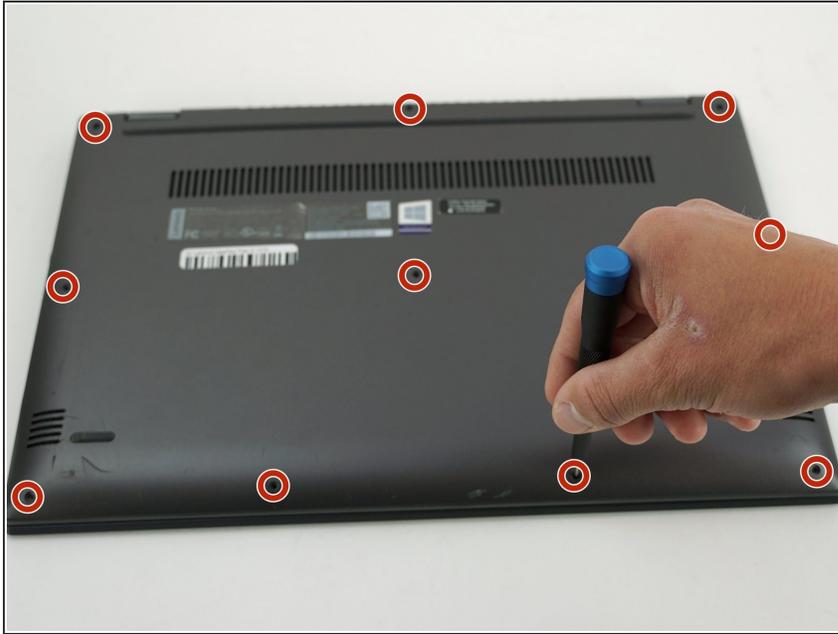
INTRODUCTION

A laptop's most vital component is its motherboard. If your Lenovo IdeaPad Flex 5-1570 starts to experience major issues such as not being able to turn on or starts to smoke/spark this is most likely due to a malfunctioning motherboard. Replacing the motherboard is a task that requires extreme care as it is attached to many other components that you need to remove in advance and if you're not careful you may also damage the computer further. It is critical that when you attempt to replace the motherboard the computer is turned off. Prior to assuming the problem is the motherboard, look at the troubleshooting page for this device to identify that the motherboard is the damaged component. This guide will teach you how to replace a motherboard in the event that it is malfunctioning.

TOOLS:

- [Nylon Tipped Tweezers](#) (1)
 - [Soldering Iron](#) (1)
 - [Solder](#) (1)
 - [Phillips #00 Screwdriver](#) (1)
 - [iFixit Opening Tools](#) (1)
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Step 1 — Back Panel



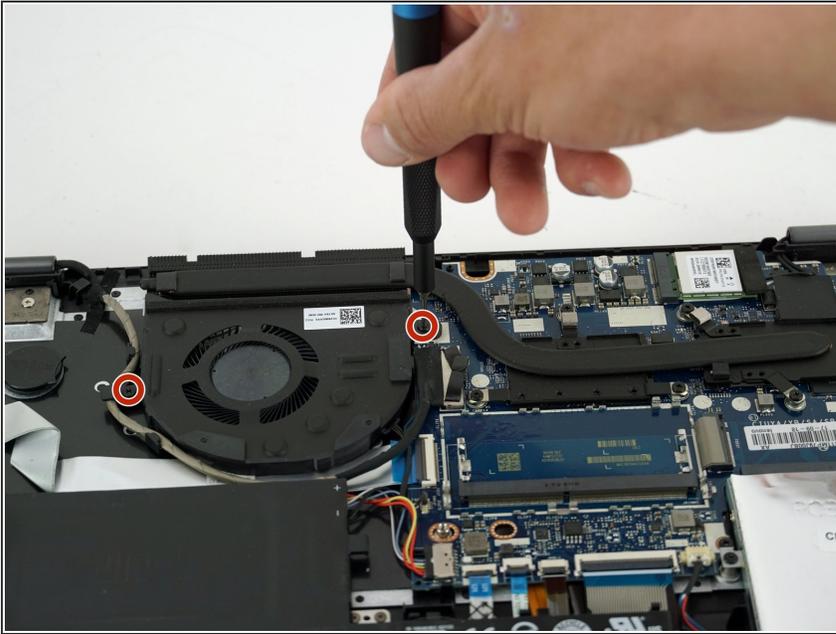
- Remove the ten 5 mm Phillips #00 screws that are holding the back panel on.

Step 2



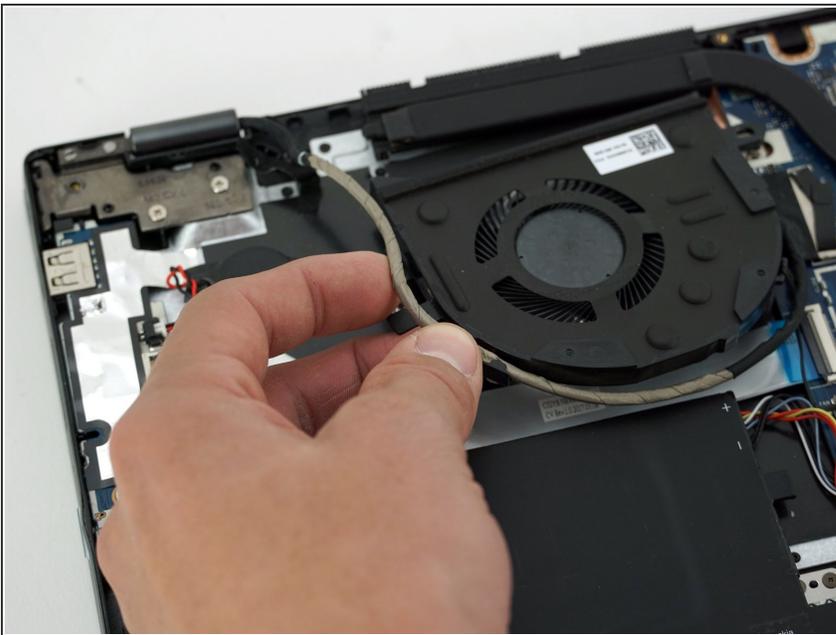
- Gently use the plastic opening tool around the edges of the laptop to pry up the back panel.

Step 3 — Fan



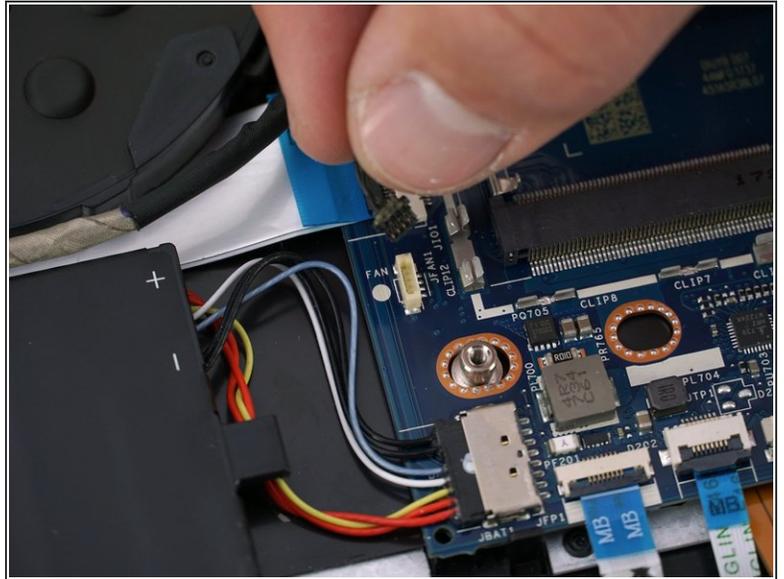
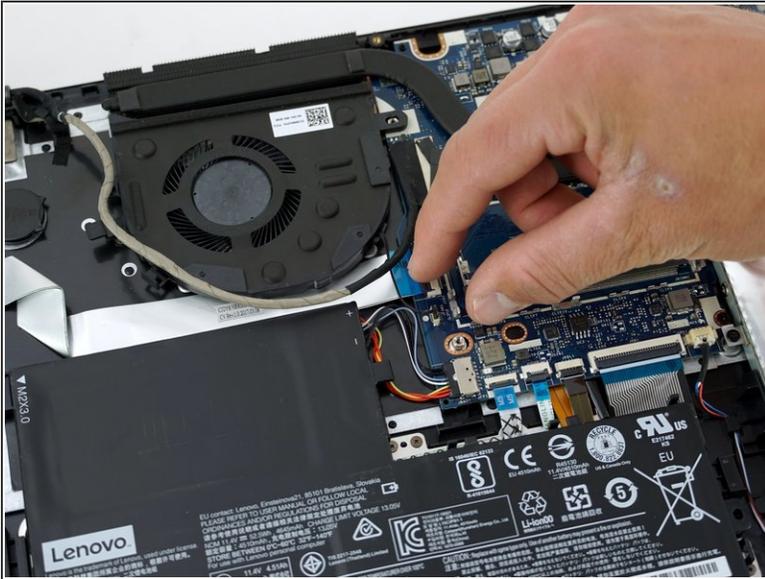
- Remove the two 5 mm Phillips #00 screws that secure the fan in place.

Step 4



- Using your hands, remove the wire that is wrapped around the base of the fan.

Step 5



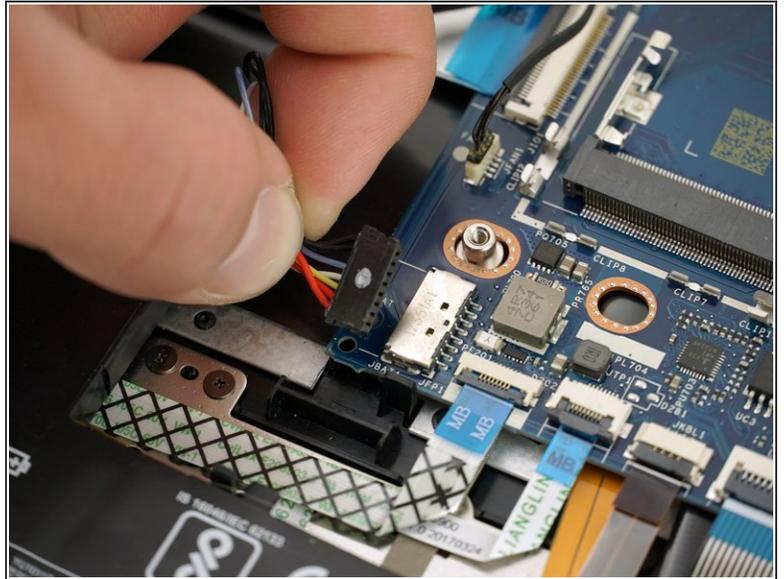
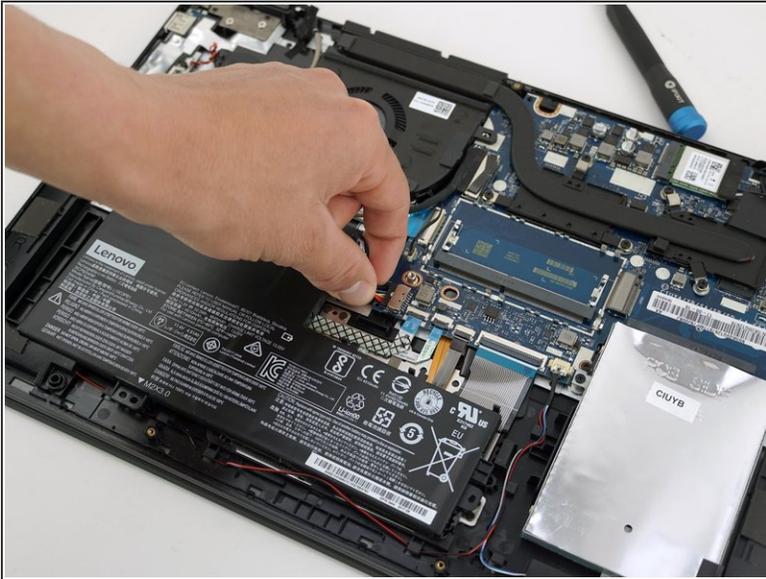
- Disconnect the wire holding the fan and the motherboard together.

Step 6 — Battery



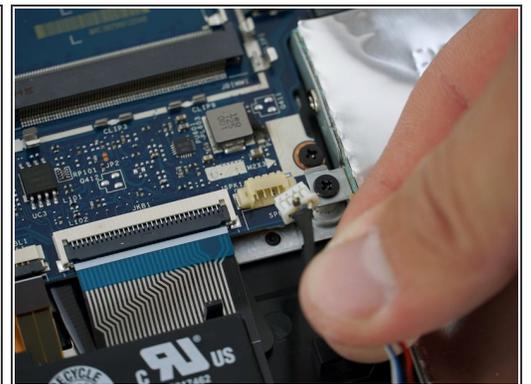
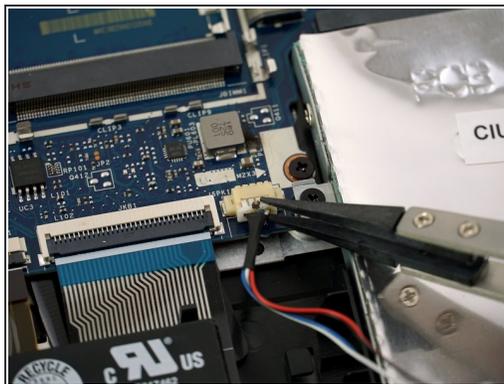
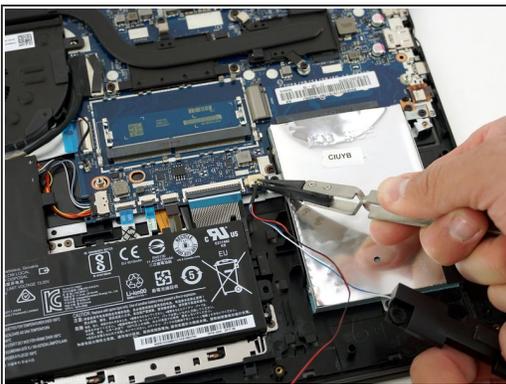
- Remove the two 5 mm Phillips #00 screws that secure the battery in place.

Step 7



- Using your hands, disconnect the wires connecting the battery to the motherboard.

Step 8 — Speakers



- Using the iFixit nylon tipped tweezers, disconnect the wire that connects the speakers to the motherboard.

Step 9



- Using your hands, gently pull the speaker up and out of the device.

Step 10



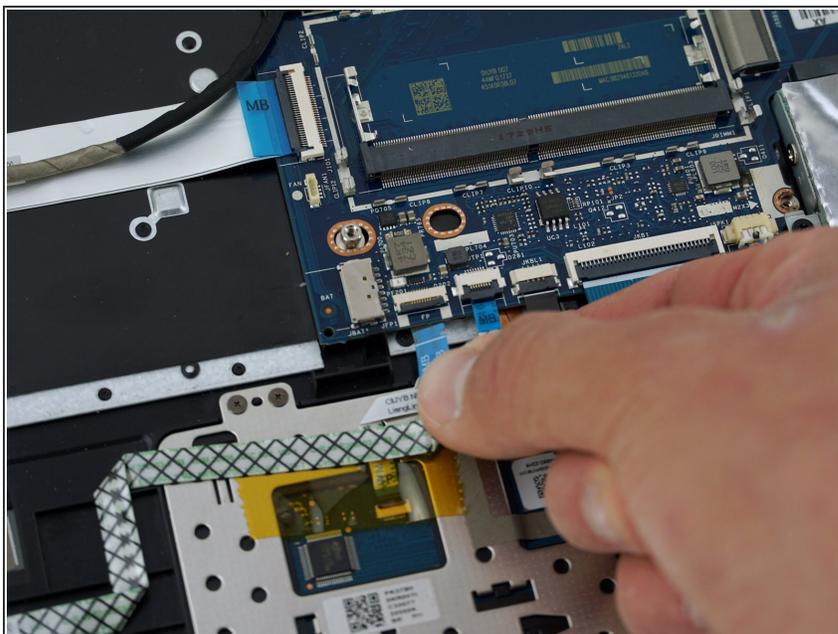
- Repeat the two previous steps for the other speaker.

Step 11 — Motherboard



- Remove the three 5 mm Phillips #00 screws securing the motherboard.

Step 12



- Unlock the connectors of the flat cables.
- Lift up the connector locking tab and pull out the cable.

Step 13



- Remove the motherboard.

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