



# Lenovo Thinkpad Helix Motherboard Replacement

If you're having issues with your CPU, RAM, or your device just crashed, then motherboard replacement is the way to go.

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## INTRODUCTION

This guide will help you replace a motherboard step by step. From beginning to end this guide will take you from beginner to expert in easy efficient fashion.

### **TOOLS:**

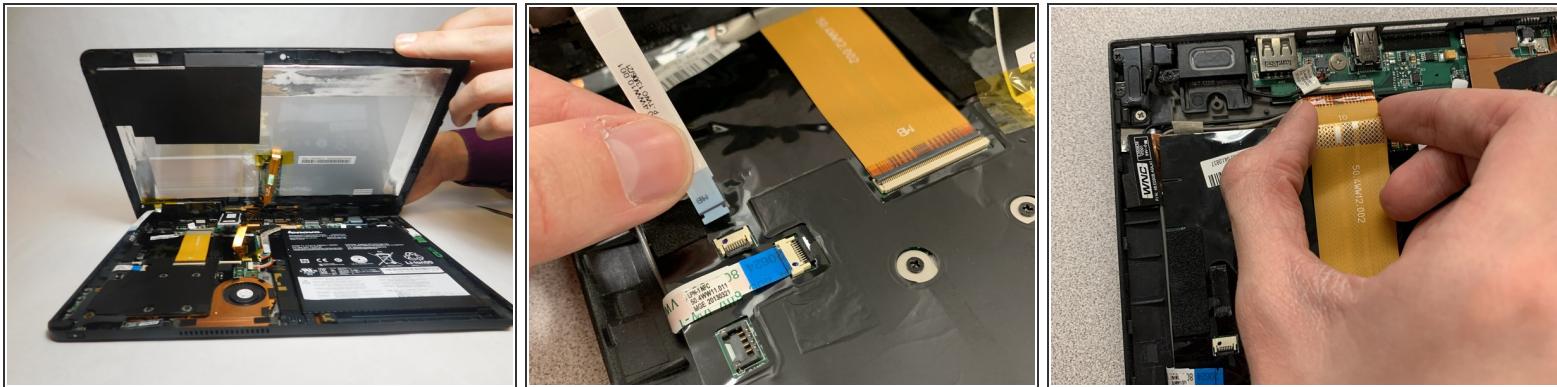
- [iFixit Opening Tools](#) (1)
- [Phillips #00 Screwdriver](#) (1)

## Step 1 — Screen



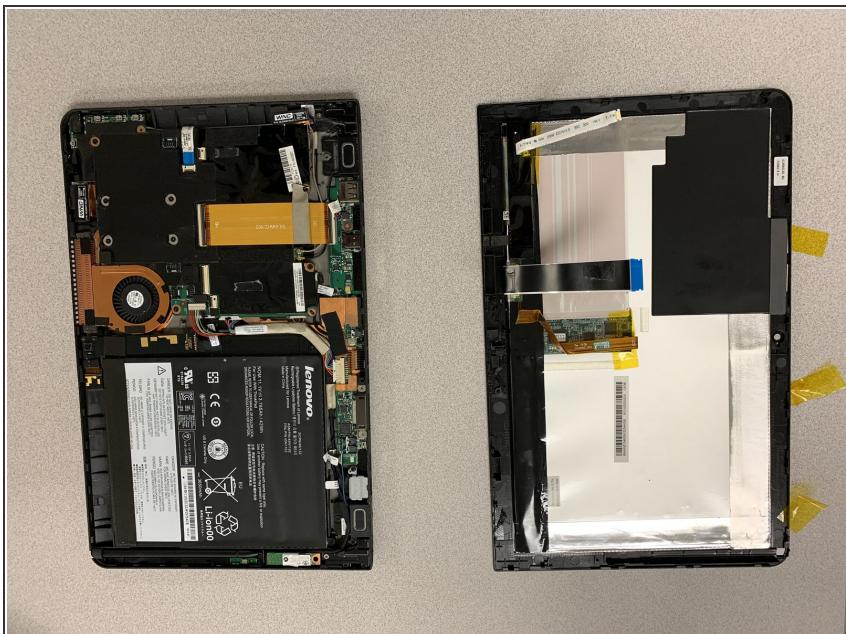
- Using a plastic opening tool or opening pick, gently pry the screen off.
- ⚠ If possible, use plastic tools to pry the screen, as the metal tool as shown in the image can potentially damage your device.
- ⓘ You will need to use a little bit of force to pry it open. There is little indent that goes around the tablet. You will insert your tool between this indent and pry it open.
- Once you're able to lift a little bit of the screen away from the tablet, work your way around until screen is separated from tablet. Stop for step two.

## Step 2



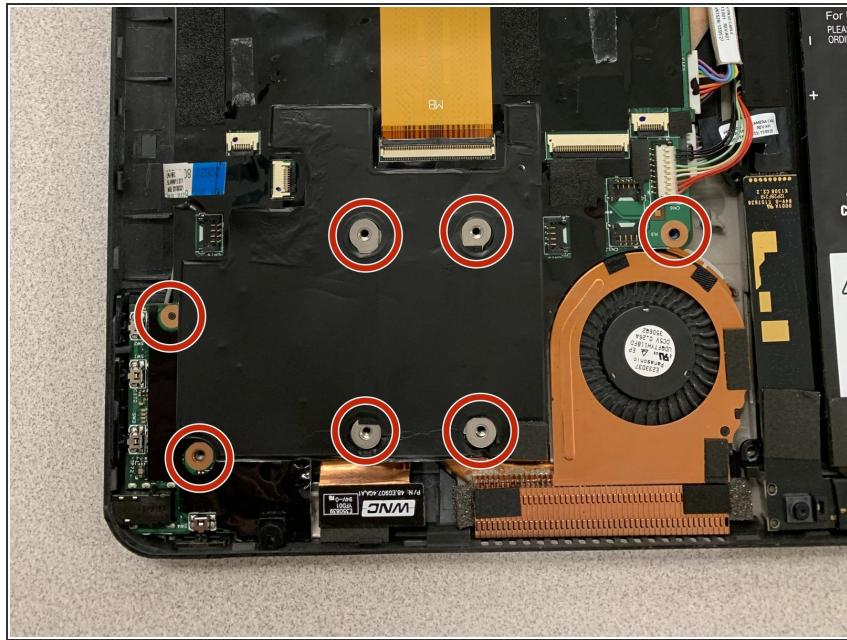
- Lift the screen up slowly.
- Once separated, you can not fully take it off due to some cable connections.
- Open the clips of the ZIF connectors and gently grab the cable to pull it out.

## Step 3



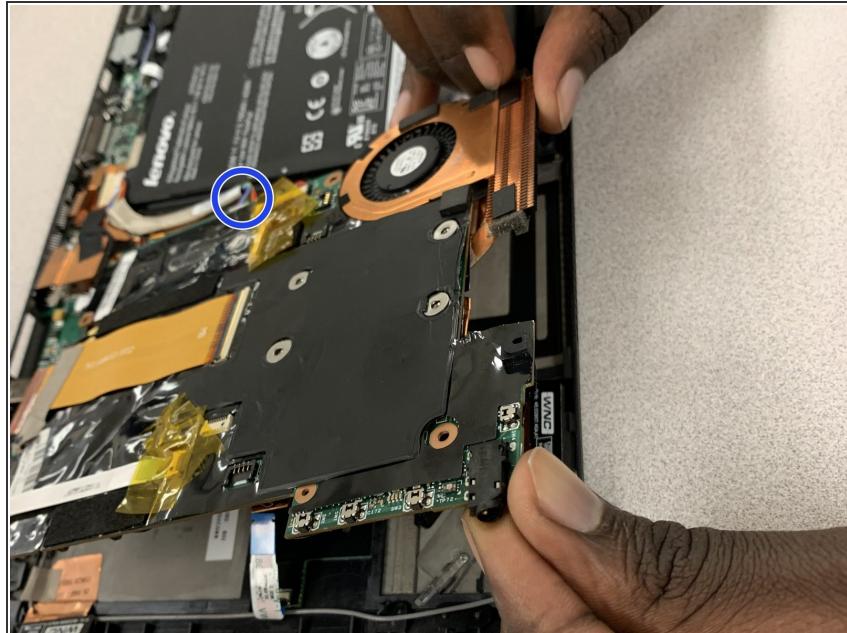
- Once the cables are disconnected, remove the screen.

## Step 4 — Motherboard



- Remove the seven, 3mm, Phillips #00 screws attaching motherboard to the back cover.

## Step 5



- Remove the white clips, then gently pull out both the motherboard and fan.

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