



Lenovo Y410P Motherboard Replacement

This guide covers the steps required to replace the motherboard. It includes disassembly of the laptop case and removal of the motherboard.

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INTRODUCTION

Motherboard replacement can be necessary if the motherboard is damaged or malfunctioning. Be careful during replacement, as many of the components are fragile. Be sure to use proper tools to avoid damaging any screws or other components.

TOOLS:

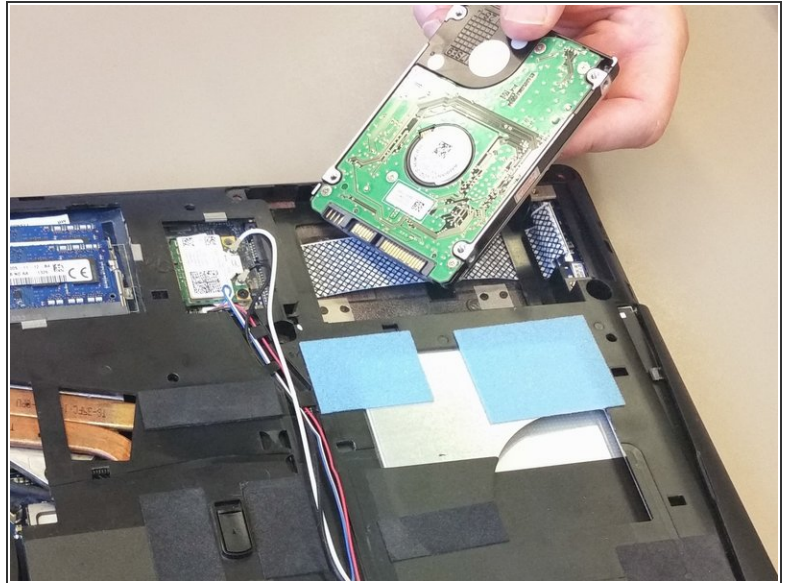
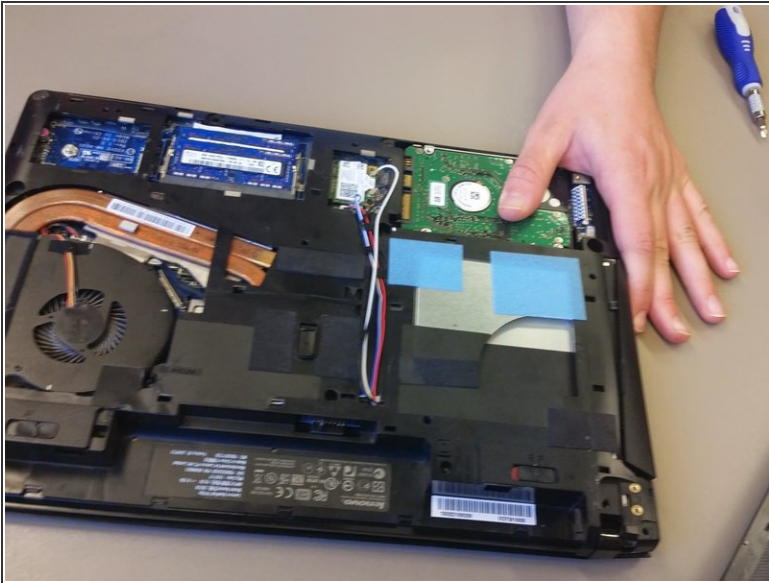
- [Phillips #0 Screwdriver](#) (1)
 - [iFixit Opening Tools](#) (1)
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Step 1 — Removal of Bottom Panel



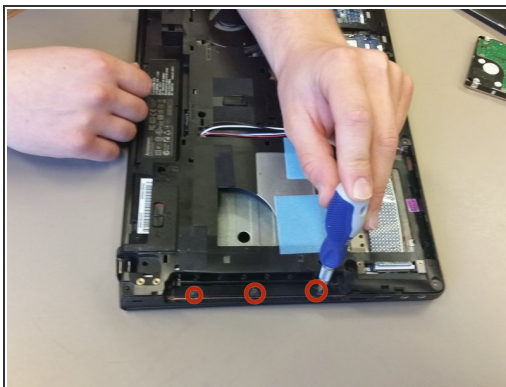
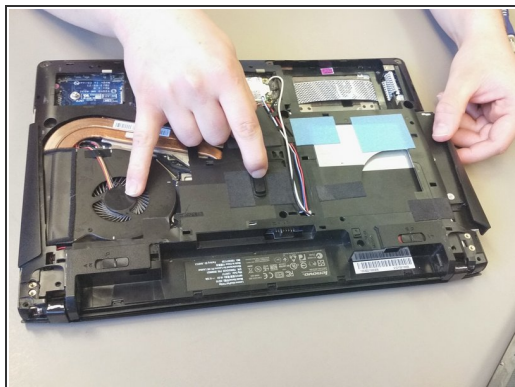
- Remove eight M2.5 x 8mm Phillips head screws, using a Phillips #0 screwdriver, in the specified locations.
- Lift the bottom cover off and set it aside.

Step 2 — Removal of Hard Drive



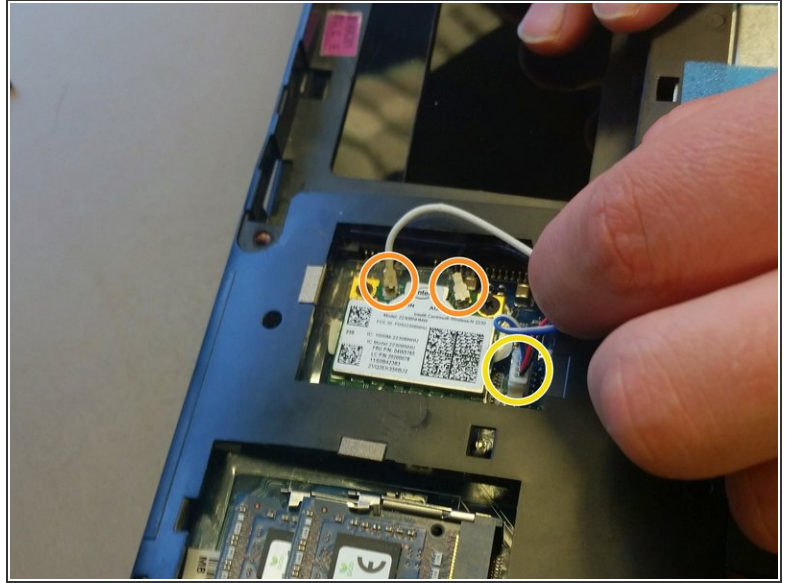
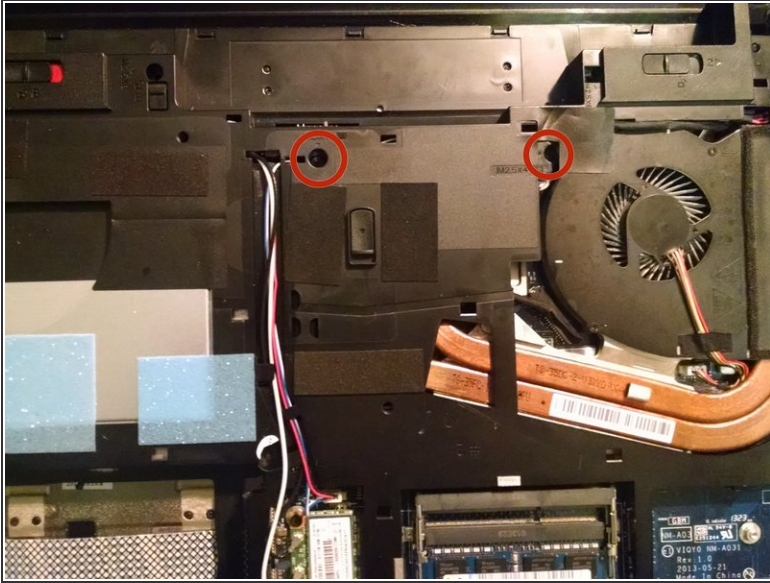
- Remove the two M2.5x4mm screws using a Phillips #0 screwdriver.
 - Slide the hard drive out of the casing.
- ⚠ Be careful when handling the hard drive; rough impacts may cause data loss.

Step 3 — Remove Optical Drive



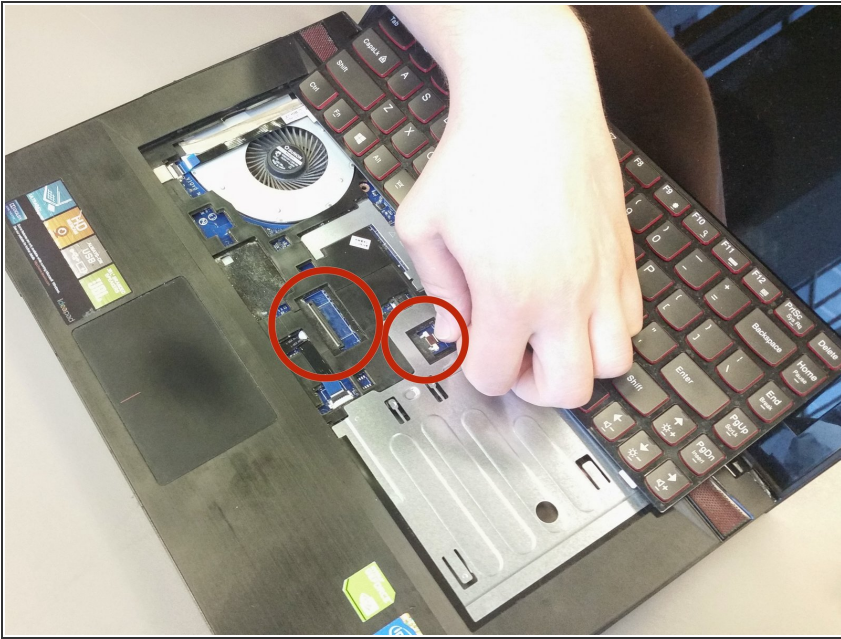
- With the laptop's bottom facing up, pull the optical drive release lever back and pull the optical drive out.
- Unscrew the three M2x3mm Phillips head screws shown.
- At the front edge of the laptop, empty the SD card holder by pressing on the card. This will allow for further disassembly in later steps.

Step 4 — Remove Keyboard and Cables



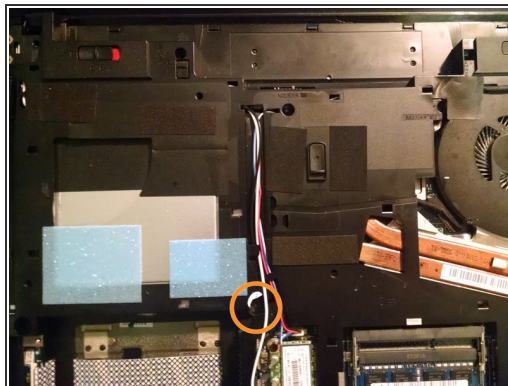
- Remove the two M2.5 x 6mm screws using a Phillips #00 screwdriver.
- Disconnect the two WiFi antenna cables.
- Disconnect the sound connector.

Step 5



- Open the laptop hinge. Tip the laptop onto its side, and use the back end of the screwdriver to push the keyboard out from the optical drive area.
- Turn the laptop right side up and pry the keyboard up slowly, until it is clear of the case.
- ⚠ Be careful of the ribbon cable when removing the keyboard. The ribbon is still attached.
- Detach the ribbon cables by opening the specified latches.

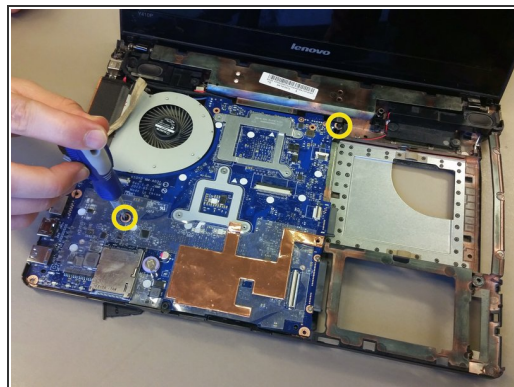
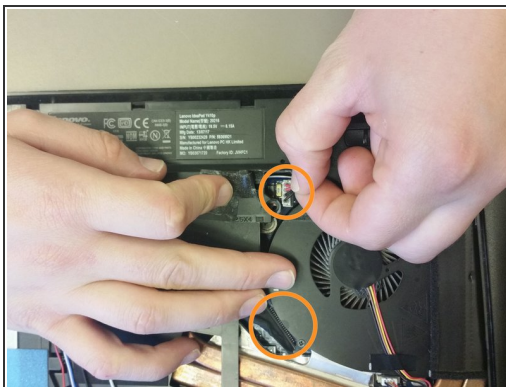
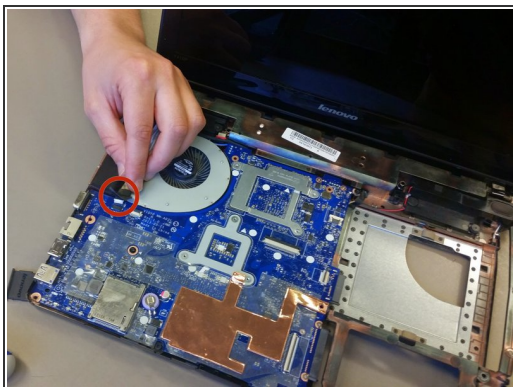
Step 6 — Removal of Palm Rest



- Detach the ribbon cables by opening the specified latches.
- Turn the laptop upside down and remove the M2.5x8mm screw with Phillips #0 screwdriver.
- Turn the laptop on its side and pry the bottom from the top.
- ⚠ Only partially remove the palm rest; there is still a ribbon cable attached underneath it.
- Remove the ribbon cable by opening its respective latch.

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Step 7 — Removal of Motherboard



- Remove the specified cable on top of the motherboard.
- Flip the laptop over, and remove the specified cables.
- Remove the two M2.5x4mm screws with a Phillips #0 screwdriver
- Remove the motherboard with hands.

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