



Lenovo IdeaPad Y500 Motherboard Replacement

Use this guide in order to replace the motherboard in the Lenovo IdeaPad Y500.

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INTRODUCTION

This guide is to be used to remove your motherboard from your IdeaPad Y500.



TOOLS:

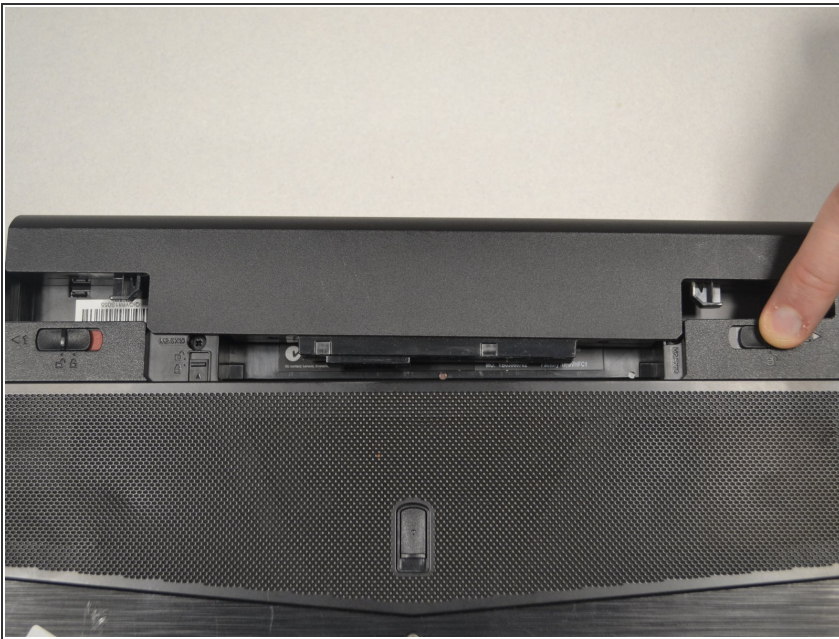
- [Phillips #1 Screwdriver](#) (1)
 - [Spudger](#) (1)
-

Step 1 — Battery



- Slide the lock on the right side until you hear a click. Once you hear a click , you should see the color red.

Step 2



- ⓘ Unlike the first lock, this lock is spring loaded and must be held in place when used.
- Slide the lock to the left (in the direction of the arrow below the lock) and hold in place.

Step 3



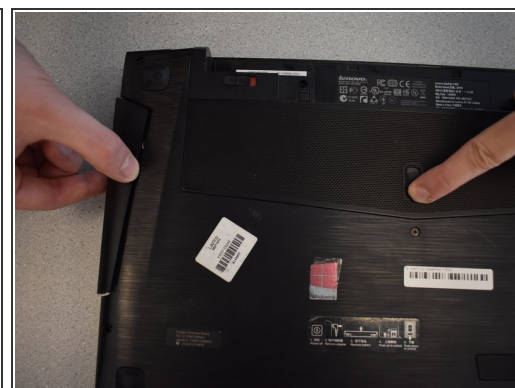
- Gently pull battery away from the computer while holding open the lock.

Step 4 — Keyboard



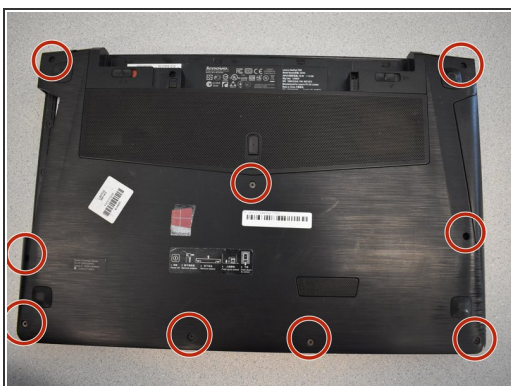
- Unlock the battery latch by pulling it up.
- It should reveal red underneath when it's unlocked.

Step 5



- Push the latch down and then hold in position.
- Pull the optical drive out.

Step 6



- Remove nine screws with a Phillips #1 screwdriver.

Step 7



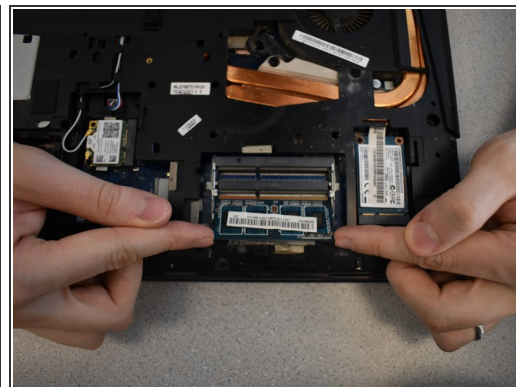
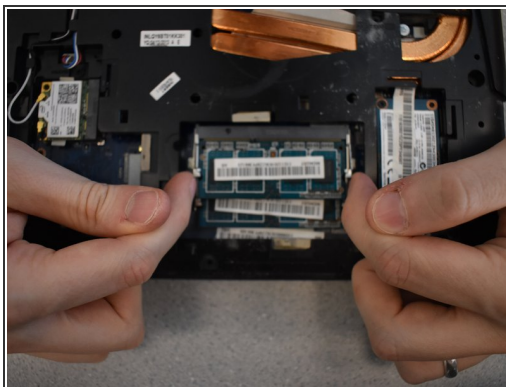
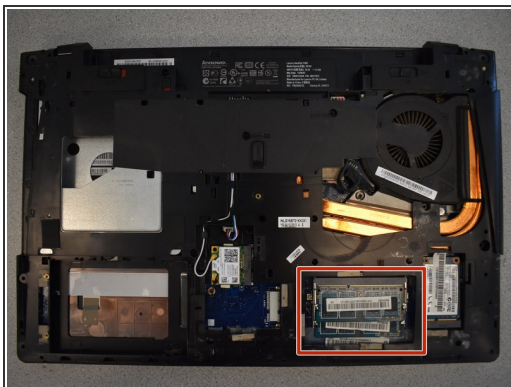
- Pull up on the loosened cover to remove.
- Remove two screws with a Phillips #1 screwdriver.

Step 8



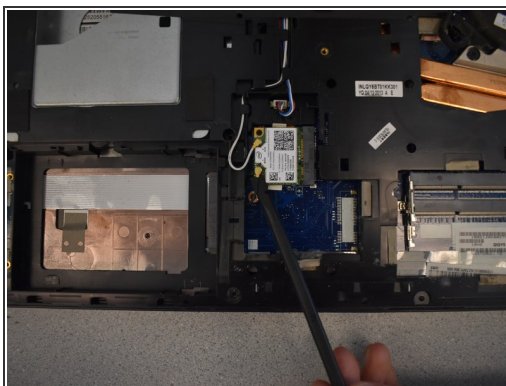
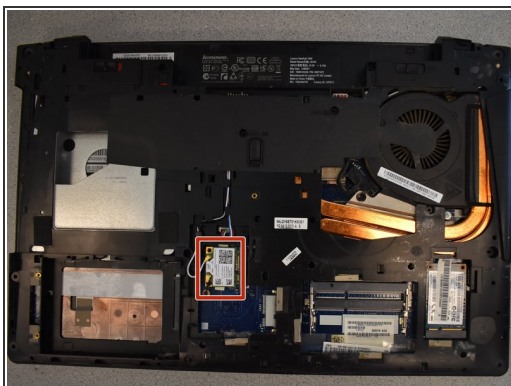
- Pull the tab straight to the left until part releases.
- Lift up the part to remove completely.

Step 9



- To release the DIMM, pull the tabs on either side away from each other simultaneously.
- The DIMM will pop out on its own.

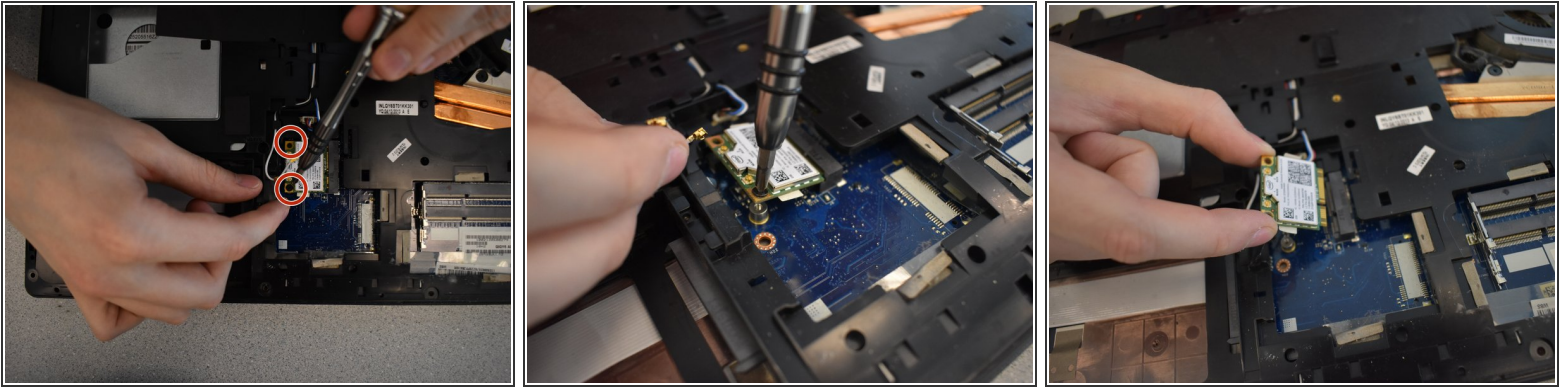
Step 10



- To disconnect the Wi-Fi cables, use a spudger to gently push up under them.

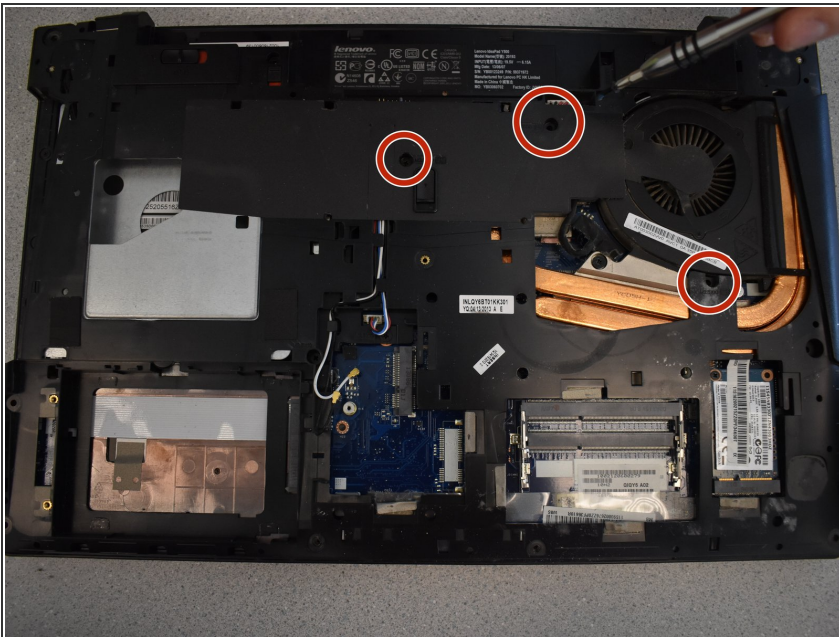
⚠ Wi-Fi cables are delicate.

Step 11



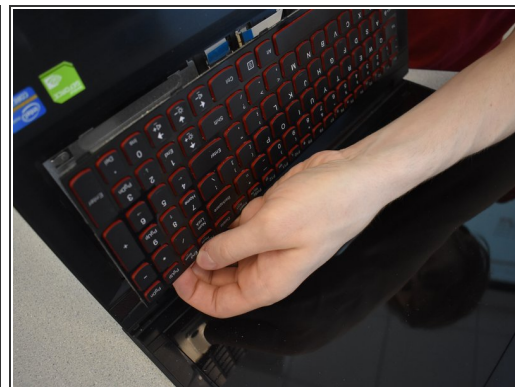
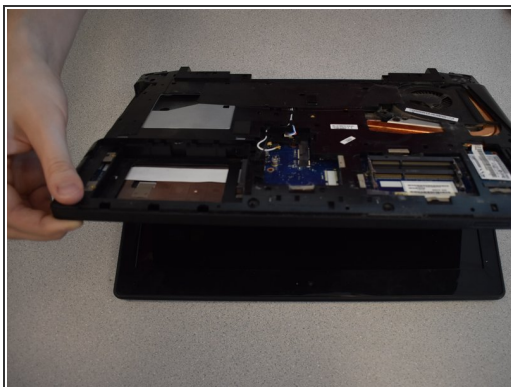
- Using a Phillips #1 screwdriver, remove the two screws.
- Once screws are out, the card will just pop out.

Step 12



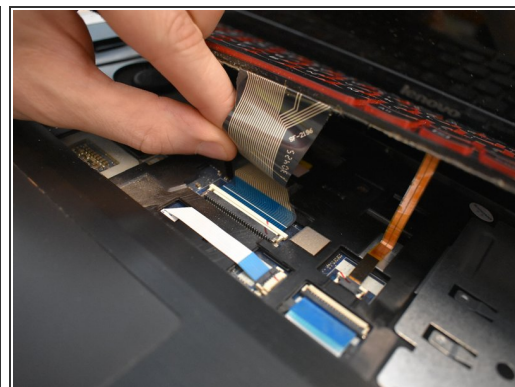
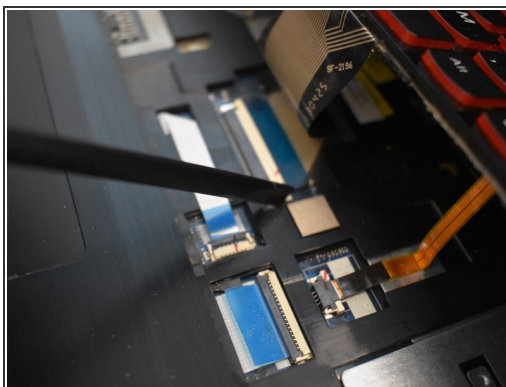
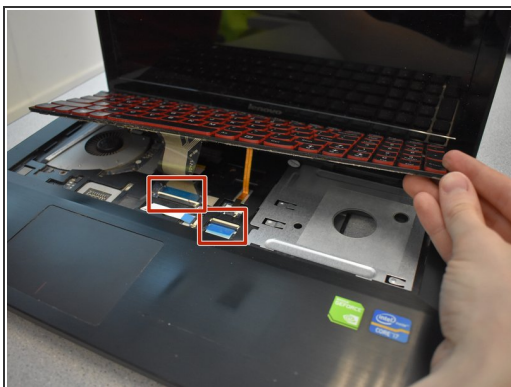
- Remove three screws using a Phillips #1 screwdriver.

Step 13



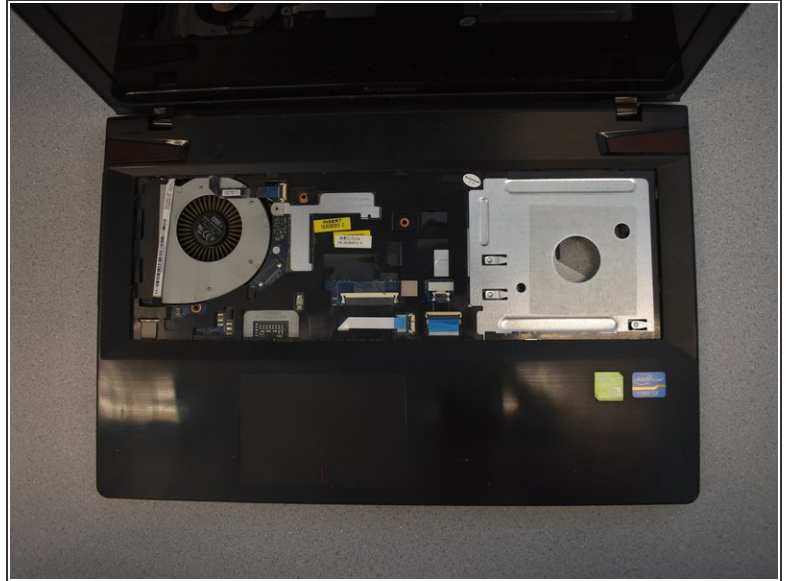
- With the laptop upside down, open slightly.
 - To remove the keyboard, push the back of the keyboard forward with your thumb while pulling away from the laptop on the other side.
- ⚠ You will not be able to pull the keyboard completely away. The cables are still connected to the laptop.

Step 14



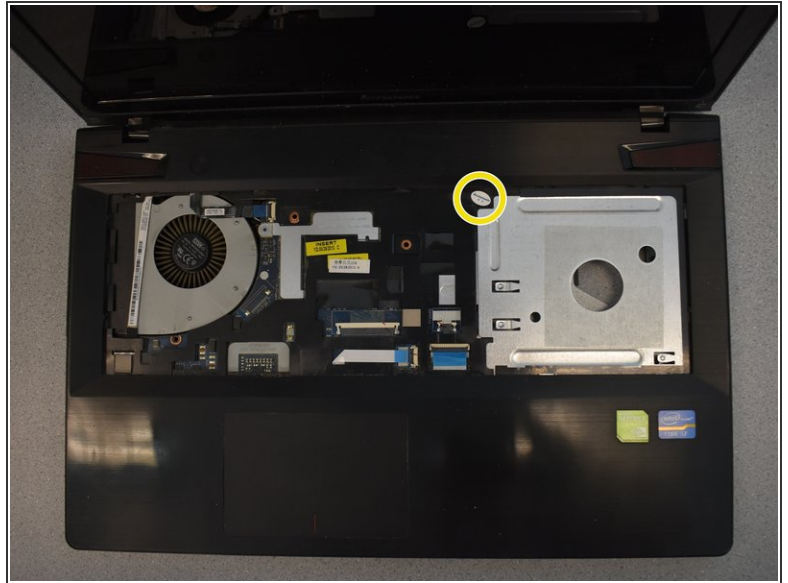
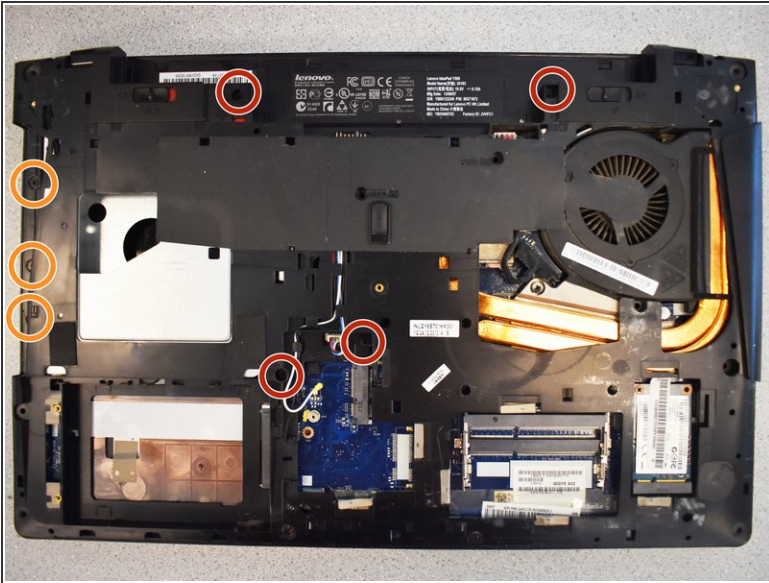
- To release the cables, use the spudger to push both ends on the side of the cable.
- Gently pull the cables up to disconnect.

Step 15



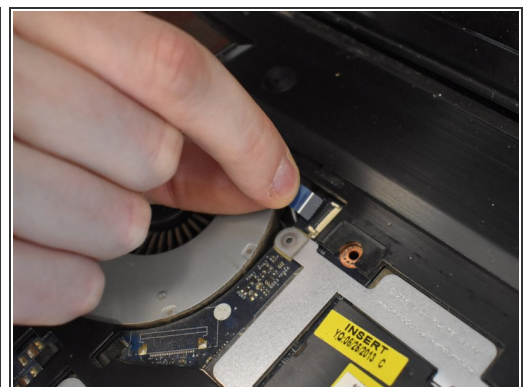
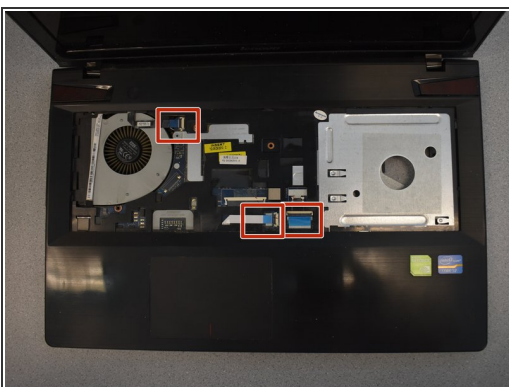
- Pull the keyboard up and away from the laptop to remove it.

Step 16 — Touchpad



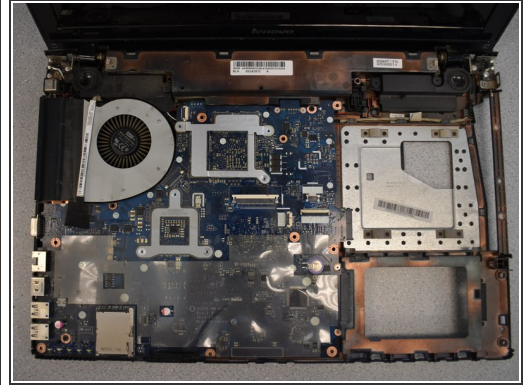
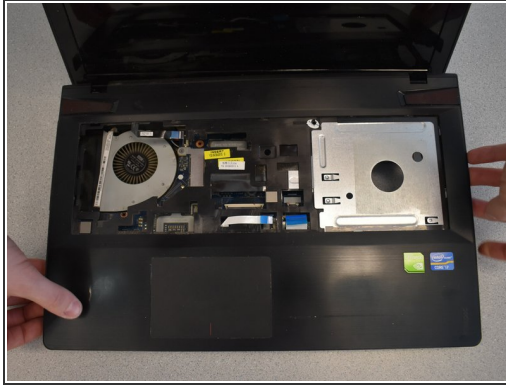
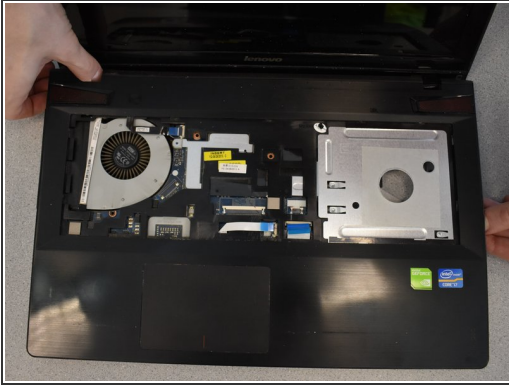
- Remove a total of 8 screws.
- Red circles are m2.5 x 10 mm flathead screws.
- Orange circles m2 x 3mm flathead screws.
- Yellow circle is m2.5 x 4mm flathead screw.

Step 17



- Flip up black tabs at the ends of each cable.
- With fingers, gently remove the cables underneath from their ports.

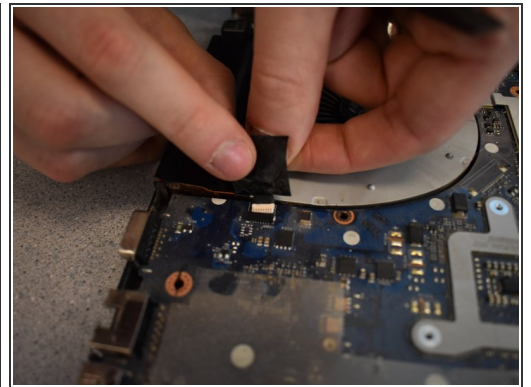
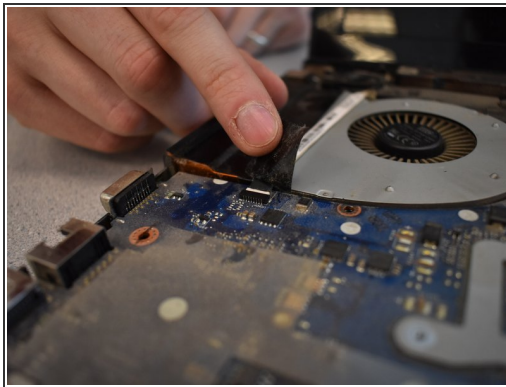
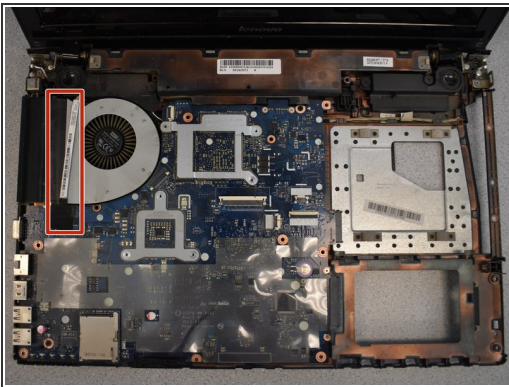
Step 18



- By unlatching the sides and pulling up, remove the top case from the device.

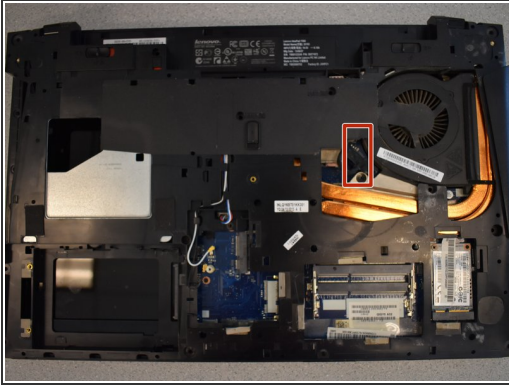
 Casing is fragile, be careful not to twist when pulling up.

Step 19 — Motherboard



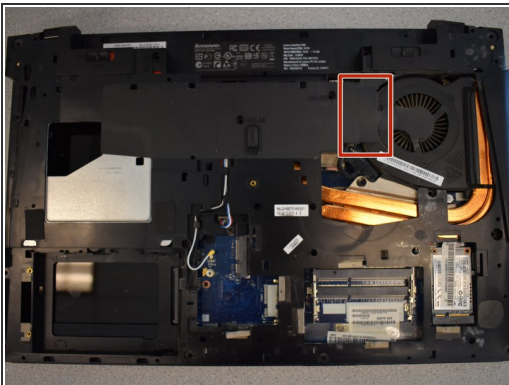
- Peel up the black tab and remove the tape completely.
 - Remove the cable revealed underneath while pulling up the tape.
-  When reassembled, you will have to stick the tape back down in its original location in order to reinsert the cable.

Step 20



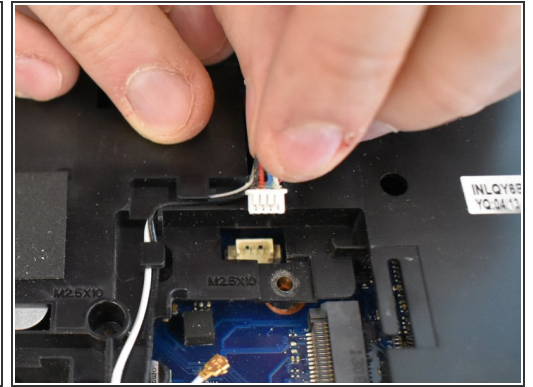
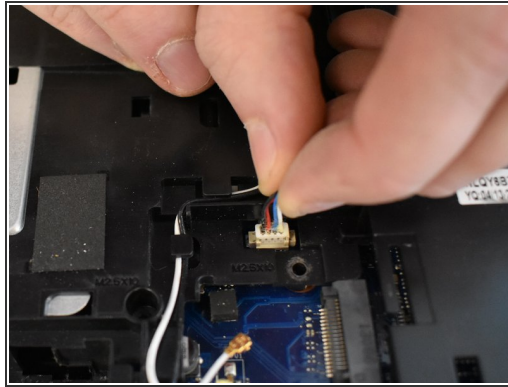
- Flip the laptop back over.
- Gently pull the cable free by pulling up.

Step 21



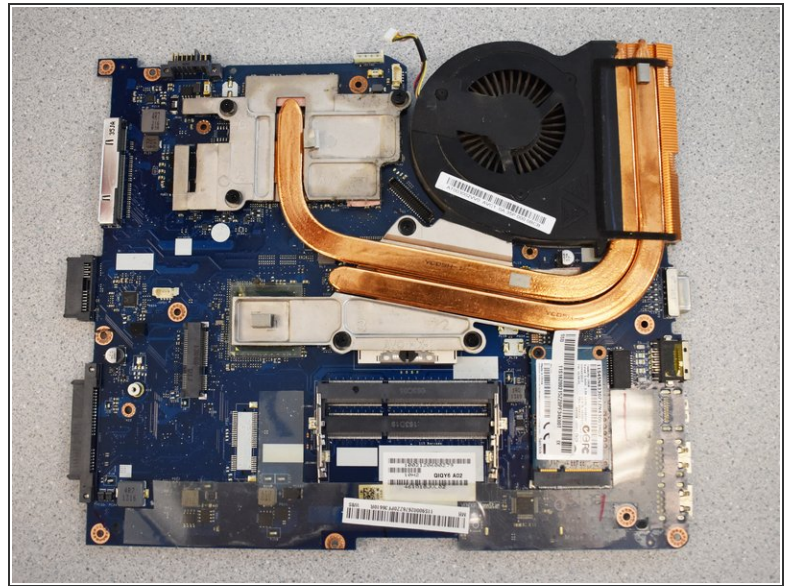
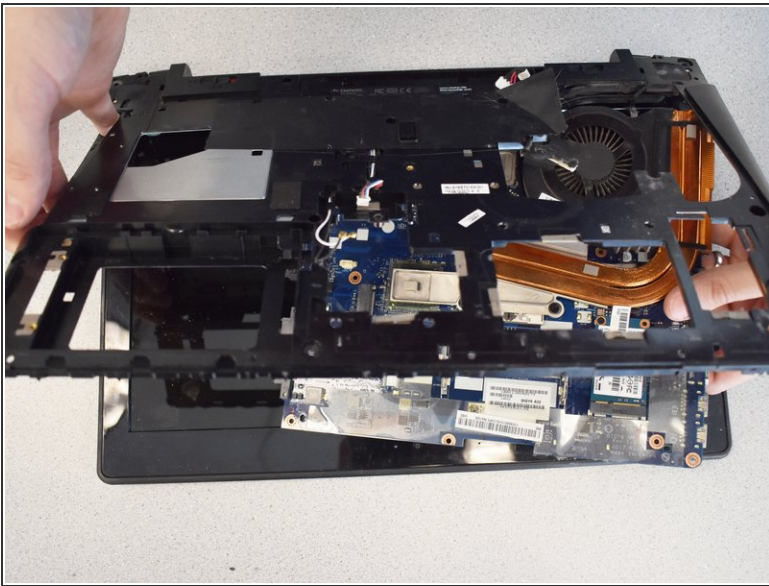
- Peel back the black tape.
 - Gently pull out both cables revealed underneath from their sockets.
- ✦ When reassembling, you will have to paste the tape back over the cables again.

Step 22



- By gently pulling up, remove the final cable.

Step 23



- Pull motherboard down, away from the case, while lifting the base of the case up.

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