



Lenovo IdeaPad P400 Touch RAM Replacement

This guide will show you how to remove and replace the RAM (memory) on your Lenovo IdeaPad P400 Touch laptop.

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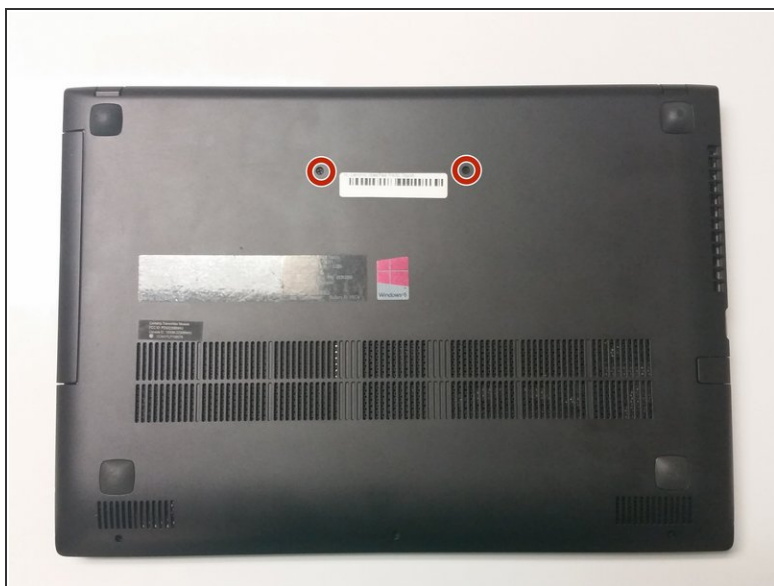
INTRODUCTION

Removing the RAM is a simple process. Be sure that you follow the steps to remove or disconnect the battery and keep the laptop unpowered to avoid damaging the electronics inside.

TOOLS:

- [Phillips #1 Screwdriver](#) (1)
 - [Spudger](#) (1)
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Step 1 — Keyboard



- Remove the two 14mm Phillips #1 screws that attach the keyboard to the underside of the laptop.

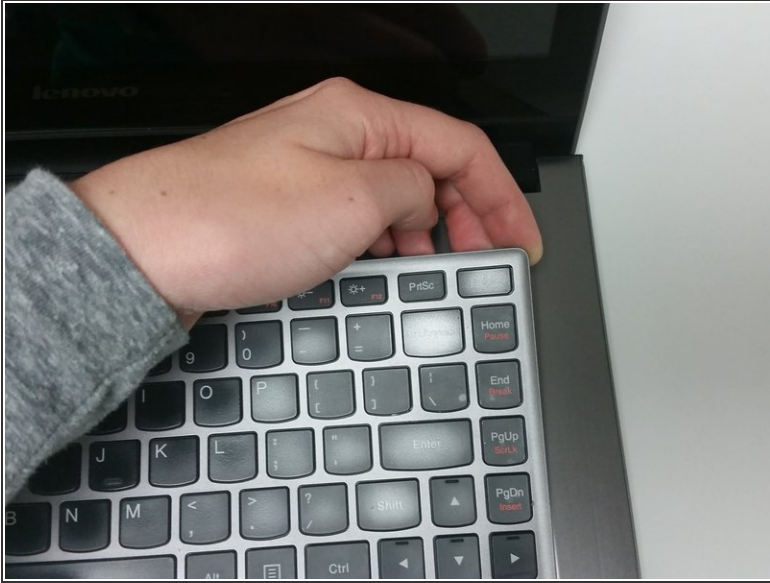
 Use a Phillips #1 screwdriver.

Step 2



- Flip the laptop over and open it as you would to use it.

Step 3



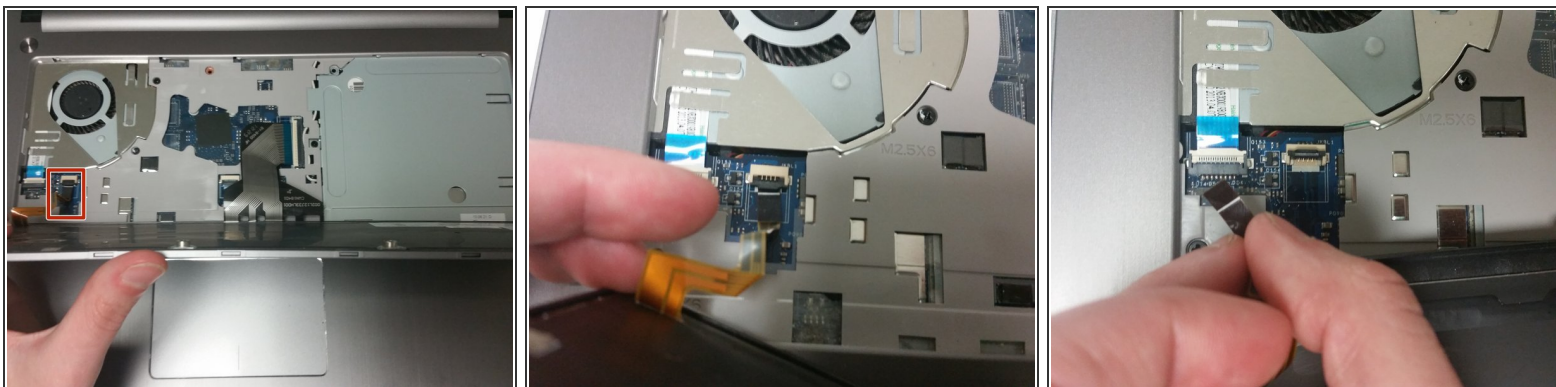
- Using your hands, lift the top corner of the keyboard, and keep lifting until the keyboard pops out. You will hear clicks as you do this.
- ⓘ If necessary, use the plastic spudger to pry up the corner and then lift the keyboard out with your hands.
- ⚠ Do not lift the keyboard out entirely. It will still be connected to the laptop. Only lift it enough so that it is unseated as shown in the second picture.

Step 4



- Lift the top of the keyboard and flip the keyboard face down so that you can access the connectors underneath it.
 - Using your fingers, unplug the large connector that connects the keyboard to the center of the laptop by sliding the end of the strip out of the socket.
- i** You may need to flip the white plastic bar up with a fingernail to be able to remove the strip.

Step 5



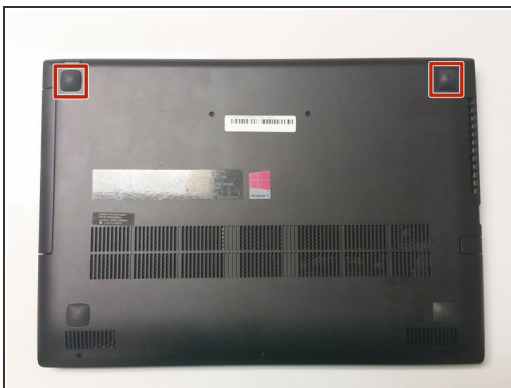
- Using your fingers, unplug the second, smaller connector, located at the lower left hand side of the keyboard by sliding the strip out of the socket.
- i** You may need to flip the white plastic bar up with your fingernail to remove the connector.

Step 6 — Battery



- Flip the laptop so that the bottom faces up.
- You will first need to remove three 7mm Phillips #1 screws from the bottom of the laptop.

Step 7



- Using a spudger, remove the back two feet of the laptop.
- ⓘ You may need to use a metal spudger if you cannot remove them with a plastic one.

Step 8



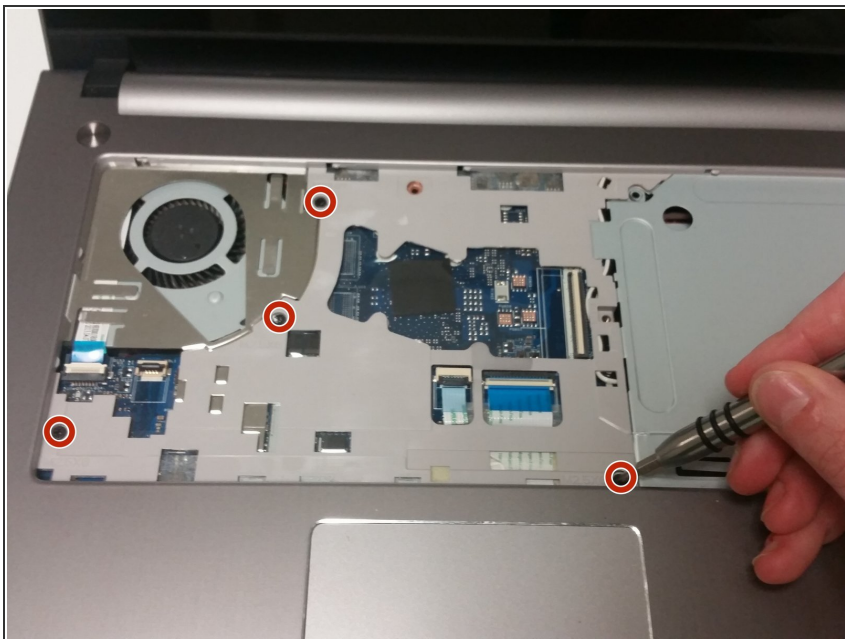
- Remove the 7mm Phillips #1 screw beneath where the foot was. Do this for both sides.

Step 9



- Flip the laptop over and open it.
- Remove the 3mm Phillips #1 screw holding the disc drive in place.
- Remove the disc drive by sliding it out.

Step 10



- Remove four 7mm Phillips #1 interior screws.

Step 11



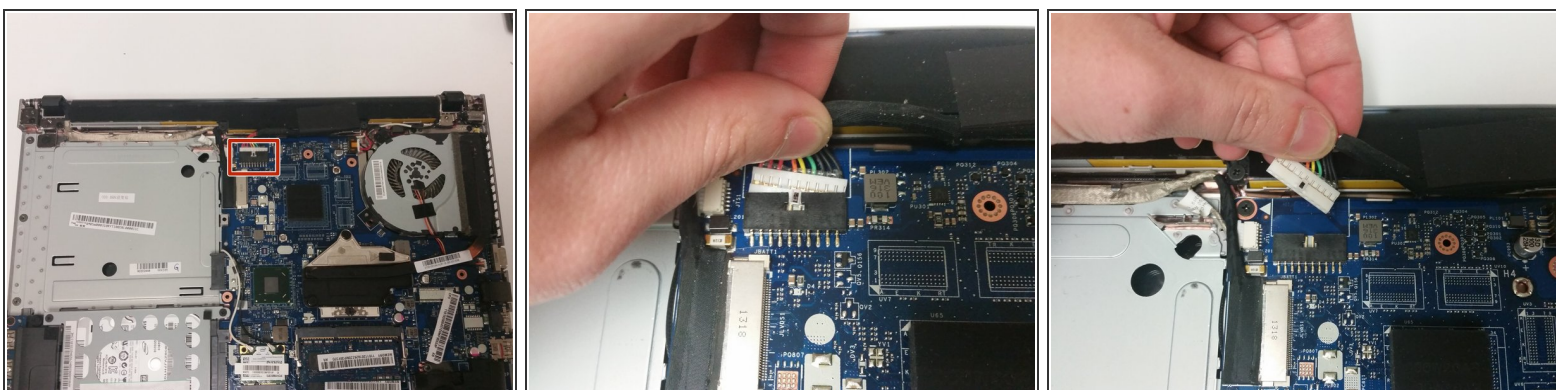
- Close the laptop lid and flip it over.
- Remove three 3mm Phillips #1 screws from beneath where the disc drive was located.

Step 12



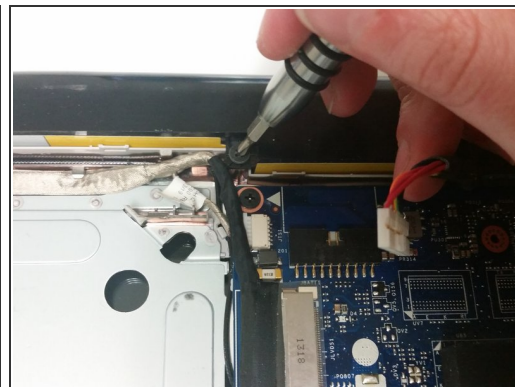
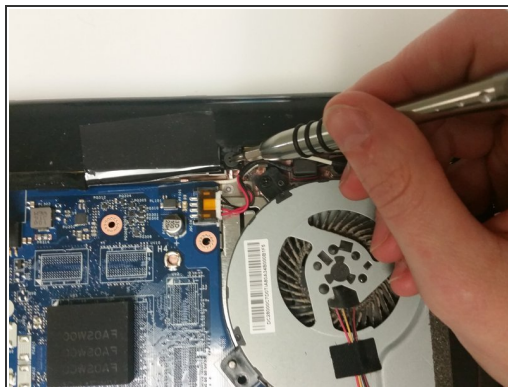
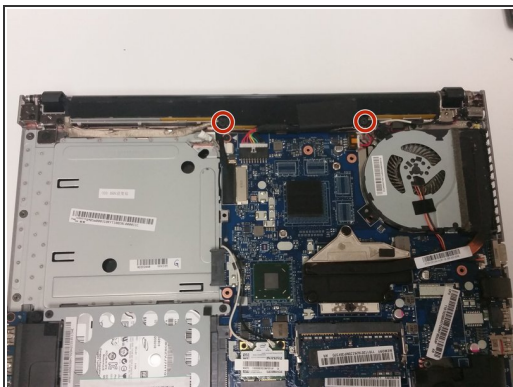
- Using a plastic spudger, pry open the laptop case starting near the disc drive.
 - Continue prying open the case by using the spudger to open it in new areas.
 - Once there is enough space to allow you to grip the case, use your hands to finish removing it.
- i** It may be difficult at first. If the plastic spudger does not work, you can try using a metal one. Using a hand to pull the case open while prying may help as well.

Step 13



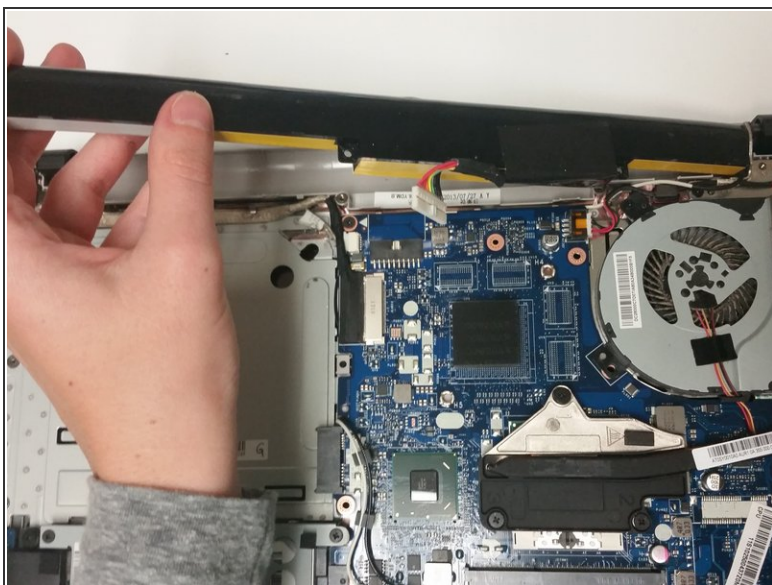
- Using your fingers, unplug the battery from the laptop by taking the plug out of its socket.

Step 14



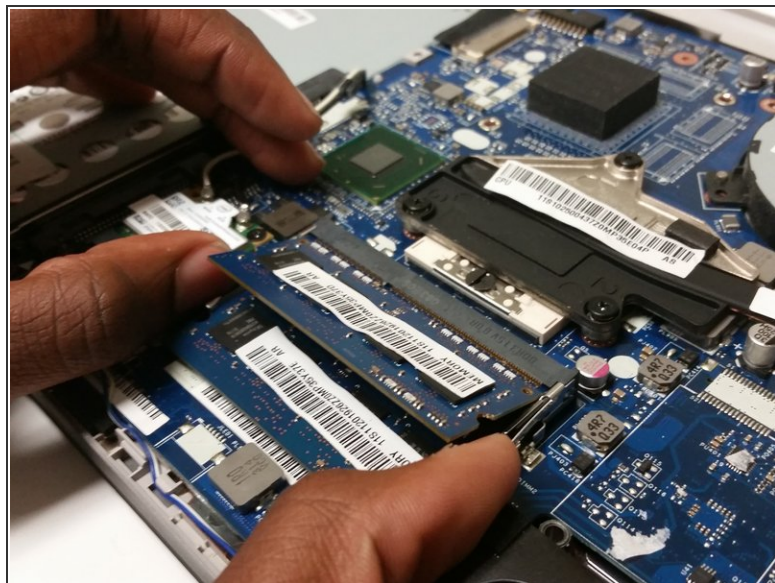
- Unscrew the battery from the laptop by removing two 3mm Phillips #1 screws.

Step 15



- Using your hand, remove the battery from the laptop by lifting one side and then pulling it out of its slot.

Step 16 — RAM



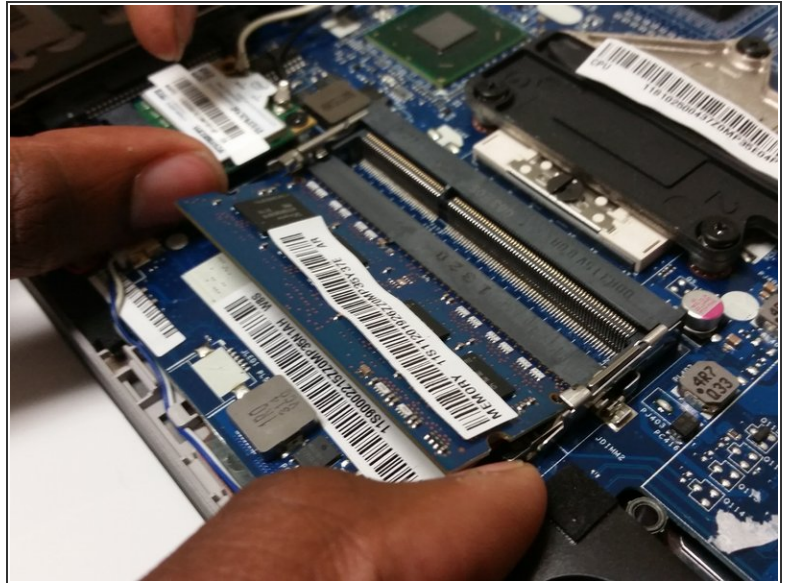
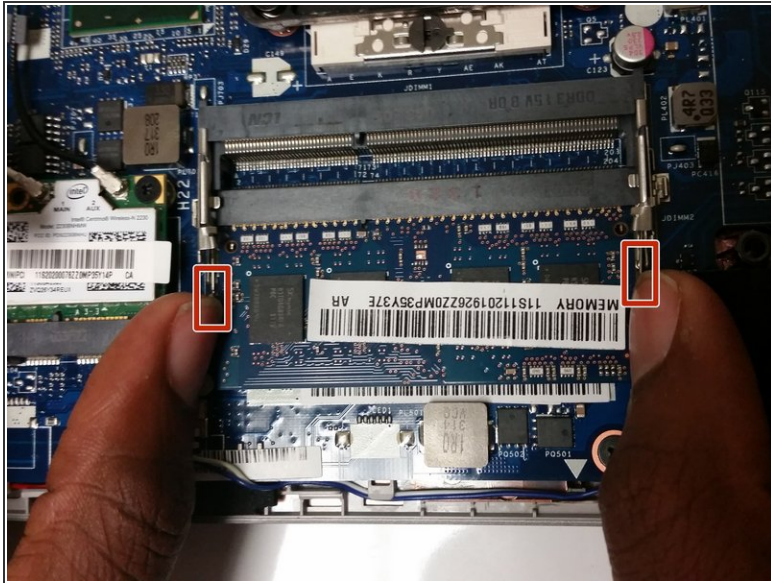
- Pull outward on both clips on the sides of the top RAM to release it.
- The RAM will pop up slightly if you have pulled the clips out properly.

Step 17



- Remove the top RAM from its slot by sliding it out.

Step 18



- Pull outward on both clips on the sides of the bottom RAM to release it.
- The RAM will pop up slightly if you have pulled the clips out properly.

Step 19



- Remove the bottom RAM from its slot by sliding it out.

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