



# Lenovo Ideapad 320-15ABR Fan Replacement

This guide will provide assistant and a step by step process in how to replace the fan in your Lenovo laptop.

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# INTRODUCTION

If you are experiencing troubles with your fan and it needs to be replaced you can locate it inside the laptop.



## TOOLS:

- [Magnetic Project Mat](#) (1)
- [Phillips #1 Screwdriver](#) (1)
- [iFixit Opening Tool](#) (1)



## PARTS:

- [Lenovo 5F10N82225 Fan](#) (1)

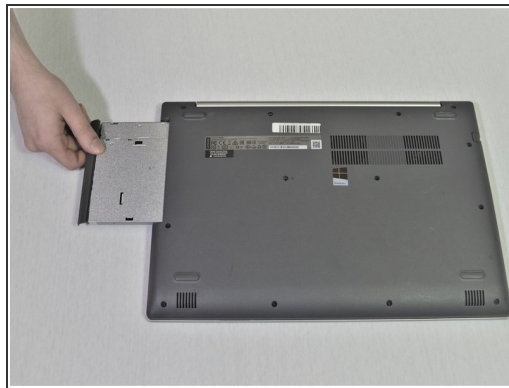
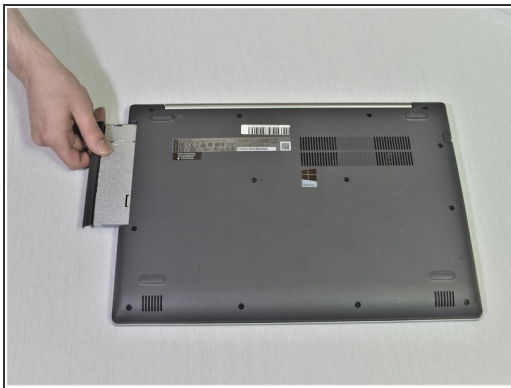
## Step 1 — Back Panel



**⚠** Before you proceed, make sure your computer is turned off and is not connected to any power source.

- Remove the single 7 mm Phillips #1 screw securing the optical drive.
- i** Be sure to store the screws carefully as they are easy to lose. A magnetic project mat is recommended

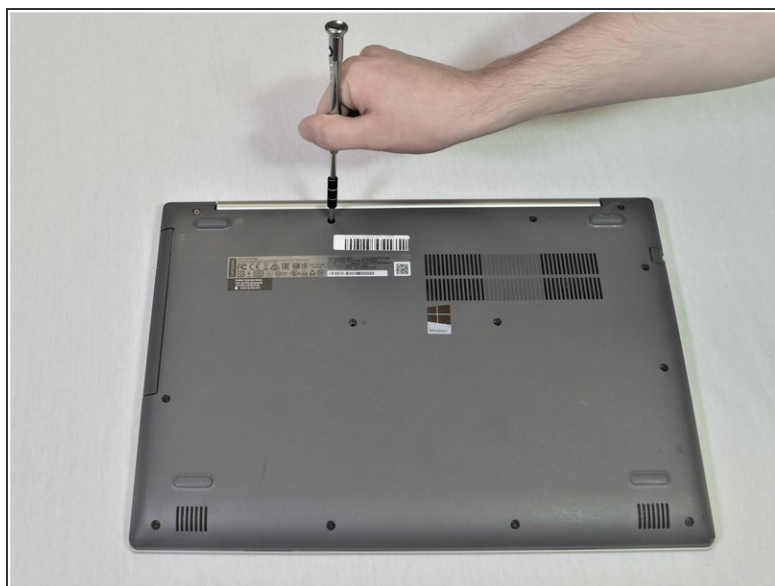
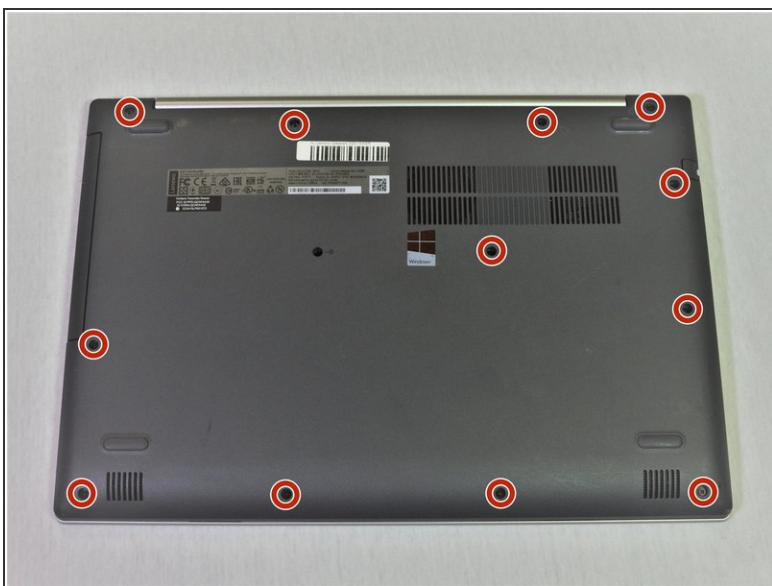
## Step 2



- Carefully remove the optical drive bracket by pulling the bezel away from the laptop.

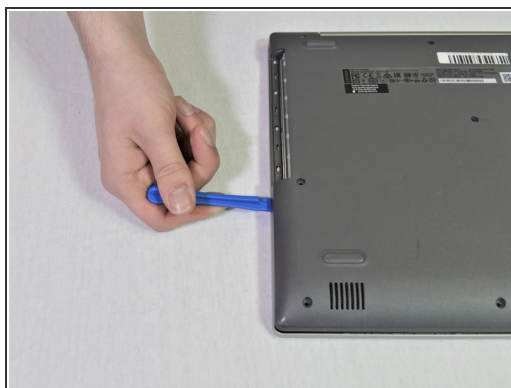
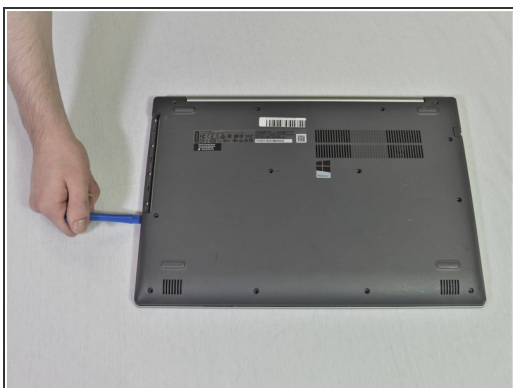


### Step 3



- Using the Phillips #1 screwdriver, remove the twelve screws around the back panel from the laptop.

### Step 4



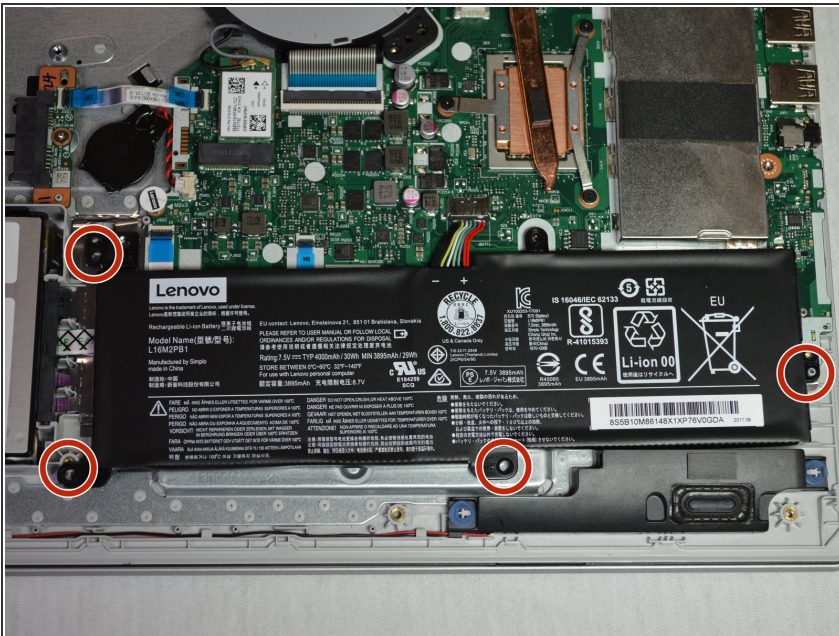
- Use an opening tool to pry out the back cover.

## Step 5



- Remove the back panel by pulling it up and away from the laptop.

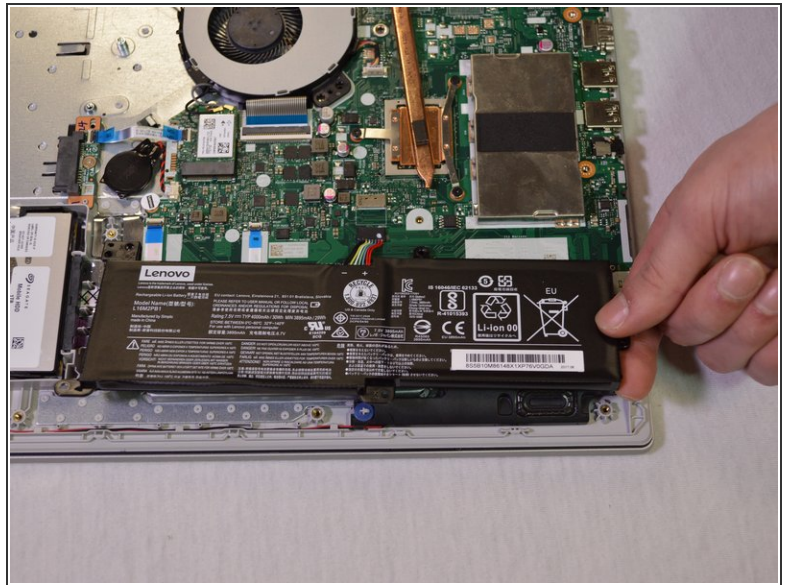
## Step 6 — Battery



- Remove the four 6mm screws using the Phillips #1 screwdriver.



## Step 7



- Disconnect the battery connector by pulling toward the battery parallel to the motherboard.

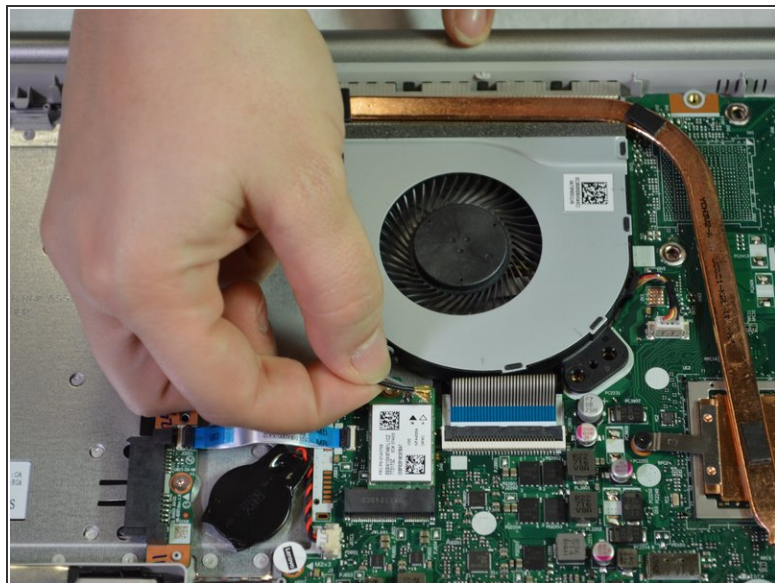
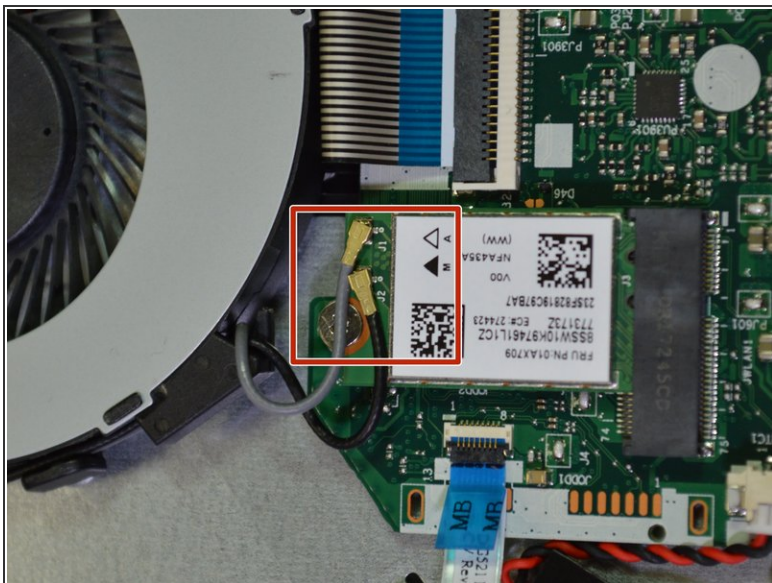
## Step 8



- Remove the battery.

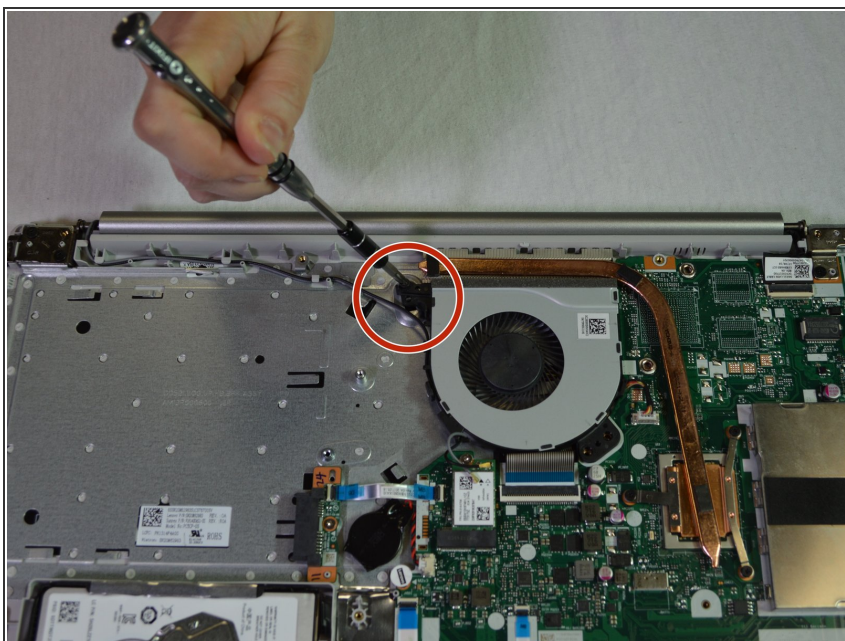


## Step 9 — Fan



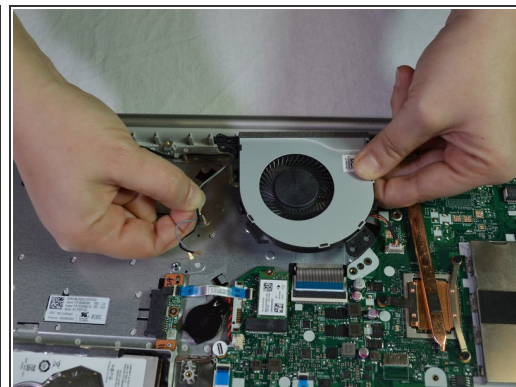
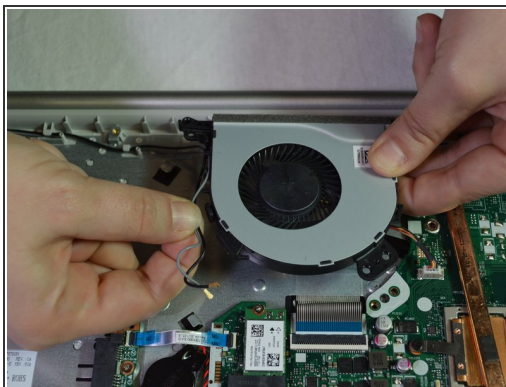
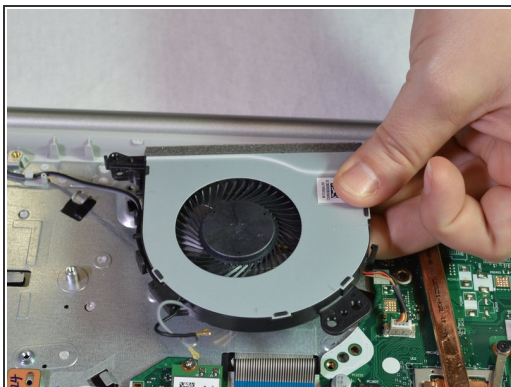
- Disconnect black and grey wires by simply giving them a light tug.

## Step 10



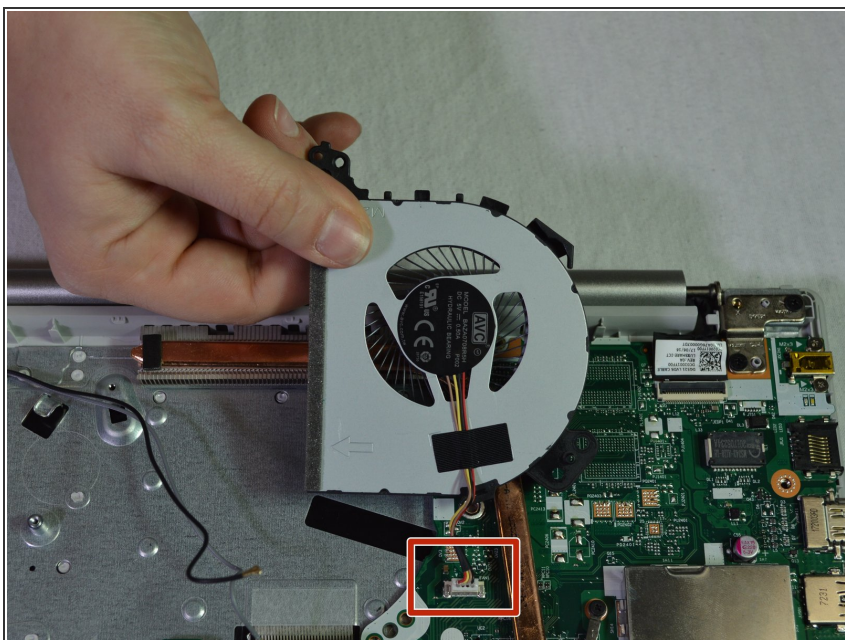
- Remove the 6mm Phillips #1 screw connecting the fan to the laptop.

## Step 11



- Lift the fan slightly and straight upward and unwind the black and grey wires from the fan.

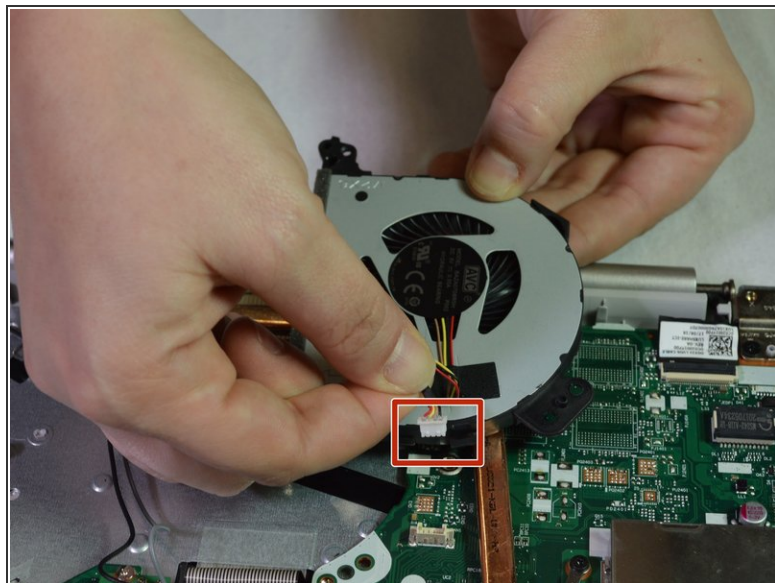
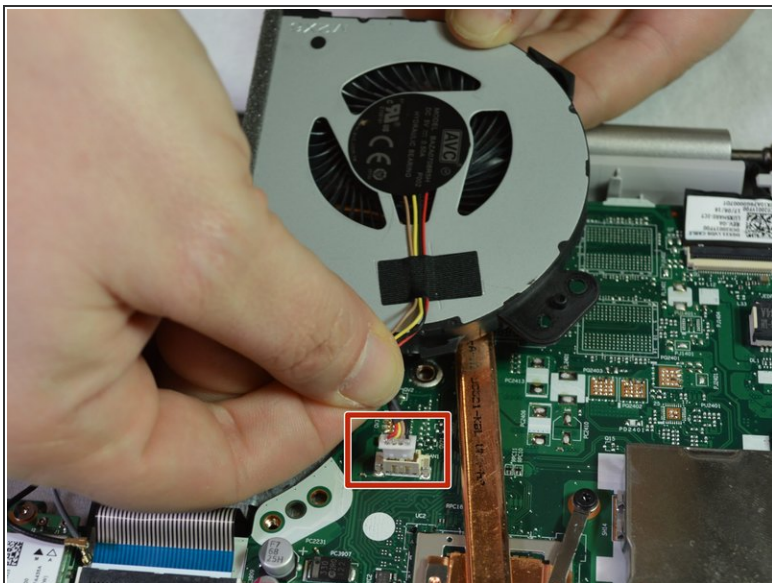
## Step 12



- Identify the red, black, yellow, and brown wire coming from the back of the fan connecting to the motherboard with a white connector piece.

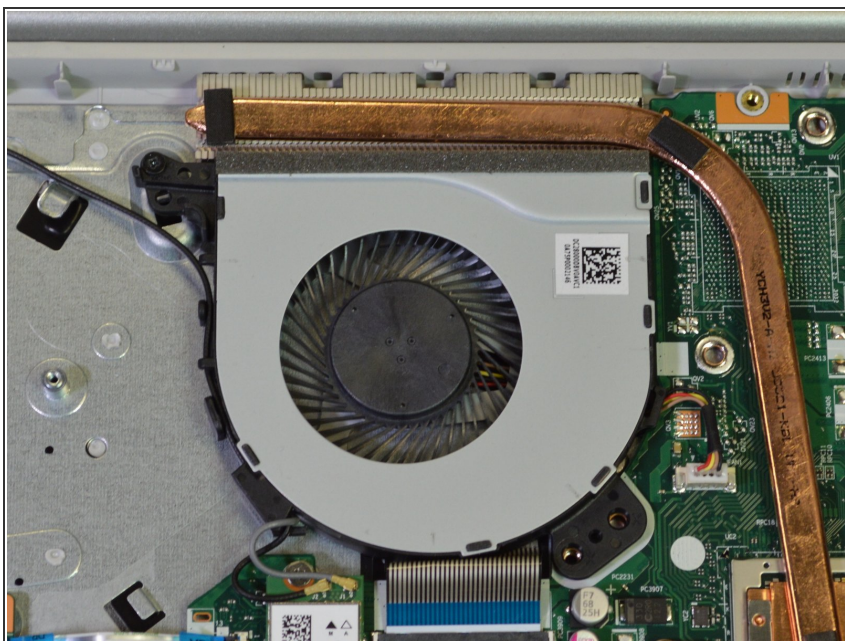


## Step 13



- Slowly pull and wiggle the white connector piece until it comes loose from the laptop.

## Step 14



- Replace the new fan.

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