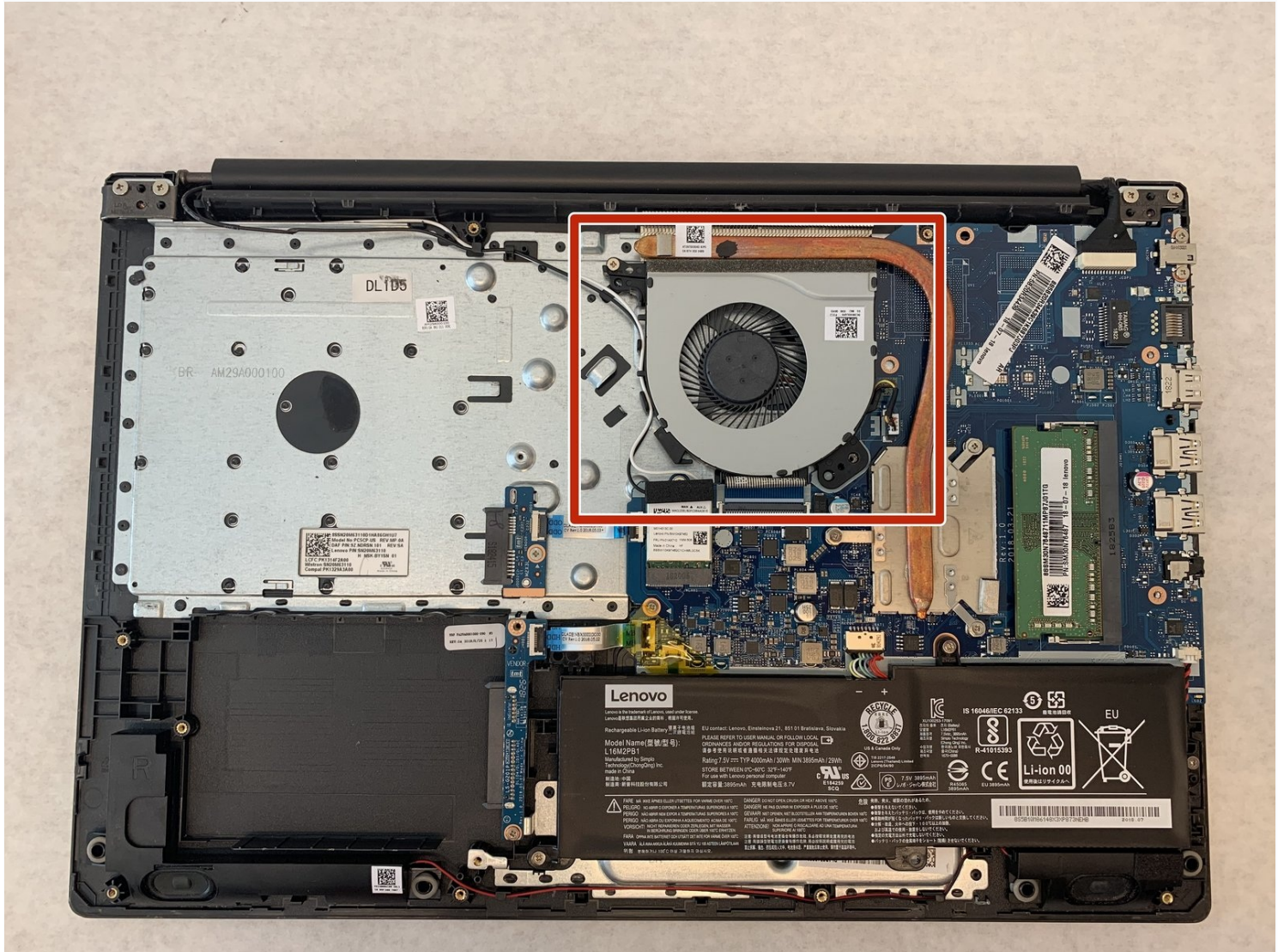# Lenovo IdeaPad 130-15AST Cooling Fan Replacement

Use this guide to remove the Internal Cooling...

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# INTRODUCTION

Use this guide to remove the Internal Cooling Fan from the Lenovo IdeaPad 130-15AST. The cooling fan is essential to maintaining stable temperatures for the internal hardware. If the fan fails, the computer overheats causing issues with internal hardware and performance of the computer. Reference the Troubleshooting Page to confirm that the cooling fan has failed. Follow the steps in the Replacement Guide carefully to remove the cooling fan safely and efficiently

### 🔧 TOOLS:

Jimmy (1)
Phillips #00 Screwdriver (1)
Prying and Opening Tool Assortment (1)
iFixit Opening Tool (1)
Phillips #0 Screwdriver (1)

### ⚙ PARTS:

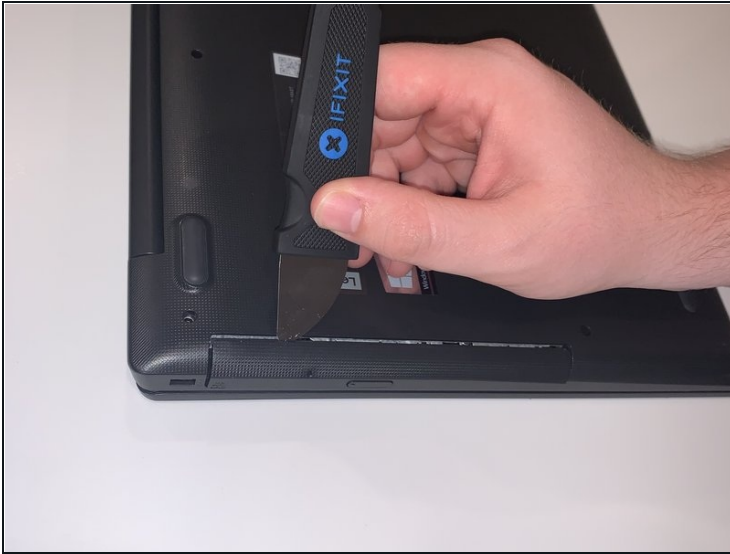Lenovo V145 and IdeaPad 130 Fan (1)

## Step 1 — DVD/CD Optical Drive



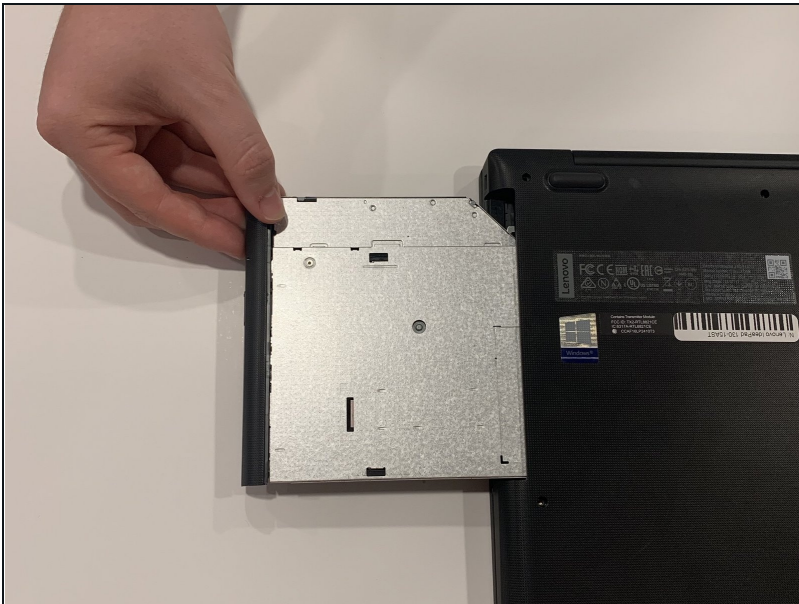⚠ Verify that the DVD/CD Tray is free of DVD's and CD's.

● Using a Phillips #00 screwdriver, remove one of the 6.0mm screws.

## Step 2
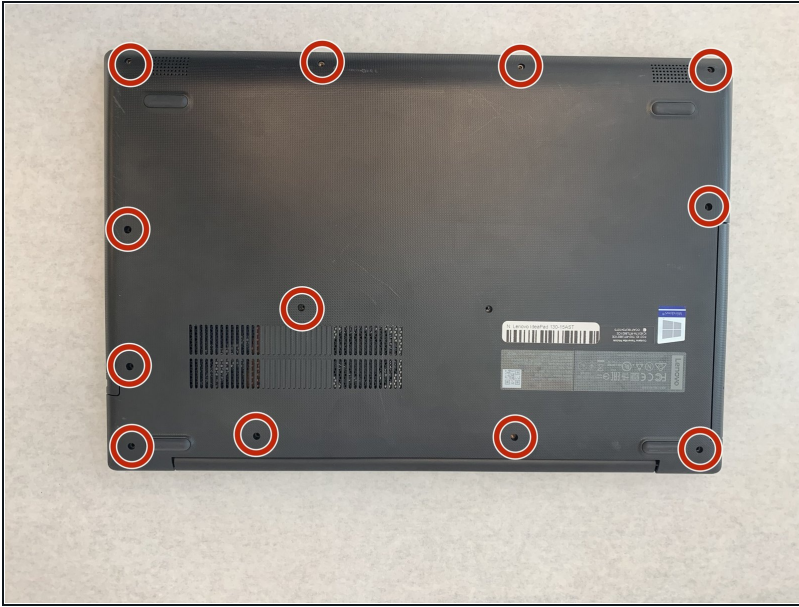


- Using the Jimmy Tool, gently pry the DVD/CD Drive away from the case of the laptop.

## Step 3



- Gently slide the DVD/CD Drive out of the laptop.

## Step 4 — Cooling Fan



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

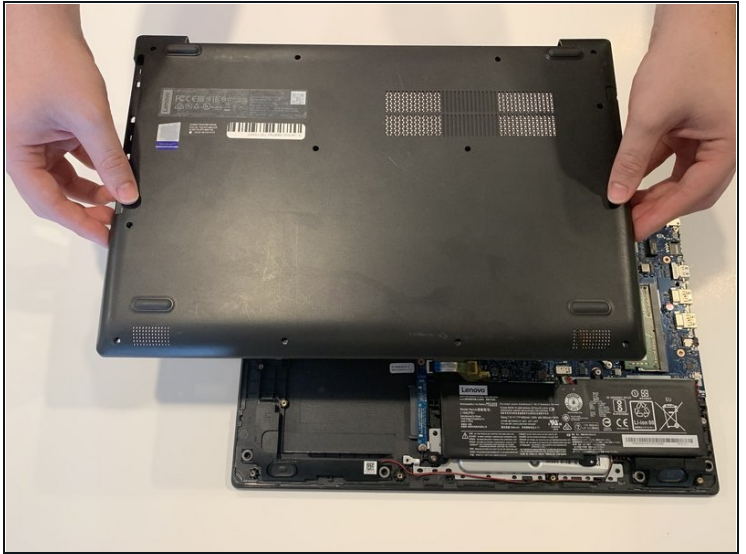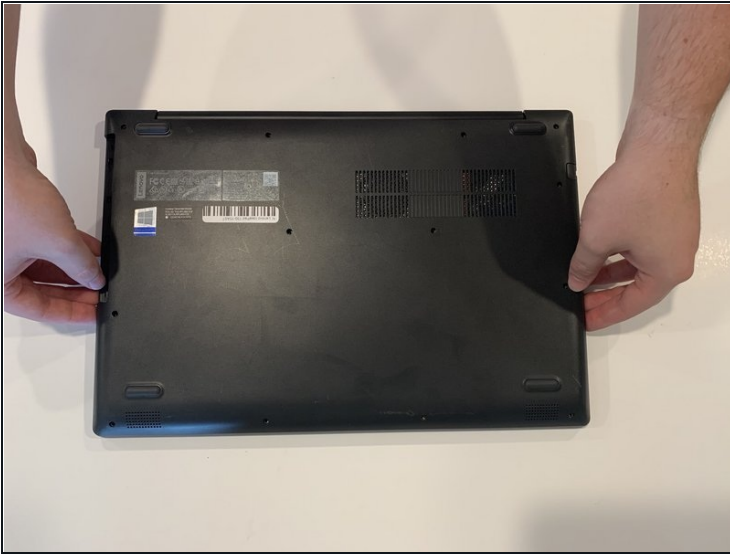- Using a Phillips #1 screwdriver, remove 12 6mm screws.

## Step 5



⚠ Do not try to completely remove this case without ensuring the entire case is free of connection points as this could crack or damage the case.
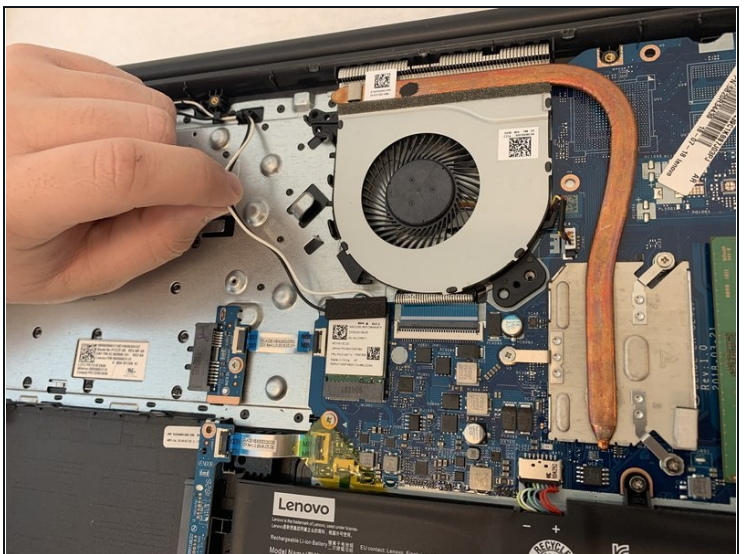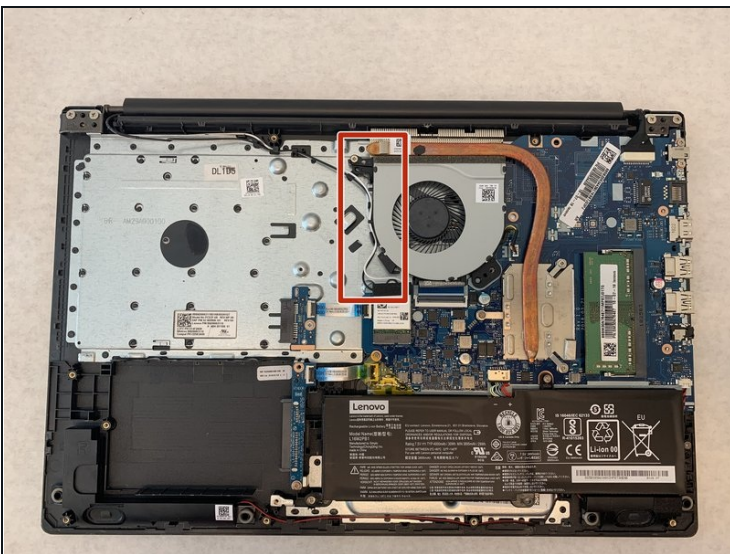
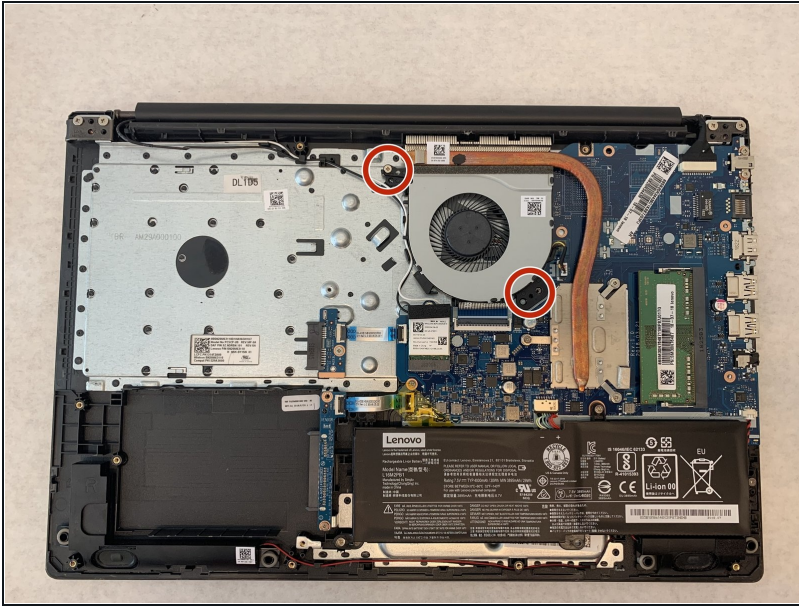- Use a thin, flat edge to gently break the seal of the case.

## Step 6



ⓘ Make sure that the back panel is completely free from the laptop.

● Grab the sides of the back panel of the laptop with two hands. Then separate the panel from the laptop by lifting up. Place the panel aside from the laptop.
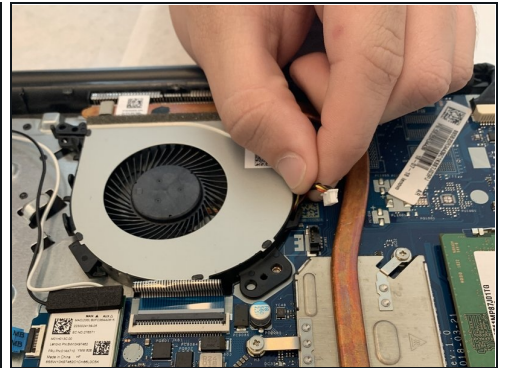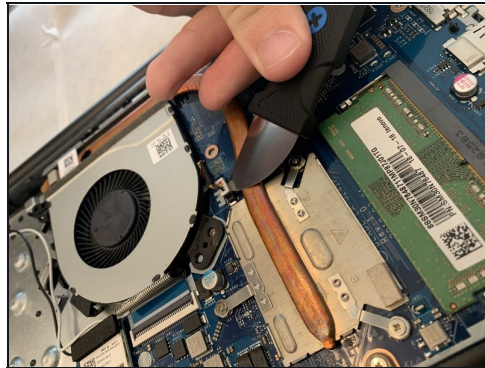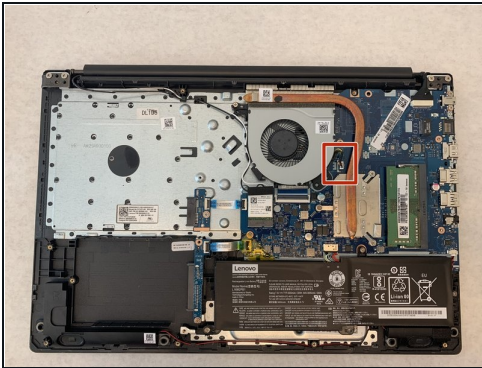
## Step 7



● Gently move the wires wrapped around the fan that run along the left side of the cooling fan.

ⓘ These wires are not connected directly to the fan and should not be removed but simply displaced from their original location.

## Step 8



- Using the Phillips #0 screwdriver, to remove two 4.00mm screws.
  - ⓘ You will need to save these screws, as a replacement cooling fan does not come with extra screws.

## Step 9



- Gently use a prying tool to disconnect the cooling fan from the motherboard.

- After disconnecting the cooling fan, remove the fan from the laptop.

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