



# Asus K55VD Fan Replacement

Replacing a computer's fan will likely improve the cooling ability of the device.

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## INTRODUCTION

If a computer's fan is faulty, there will likely be overheating error messages occurring. If overheating does occur, the CPU could be damaged.


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### TOOLS:

- [Fingers](#) (1)
  - [Phillips #0 Screwdriver](#) (1)
  - [iFixit Opening Tools](#) (1)
  - [Mako Driver Kit - 64 Precision Bits](#) (1)
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## Step 1 — Battery



 Power off the device completely

- Flip the device over to its back cover.
- Use the switches to release the battery from its adapter.

## Step 2 — Hard Drive



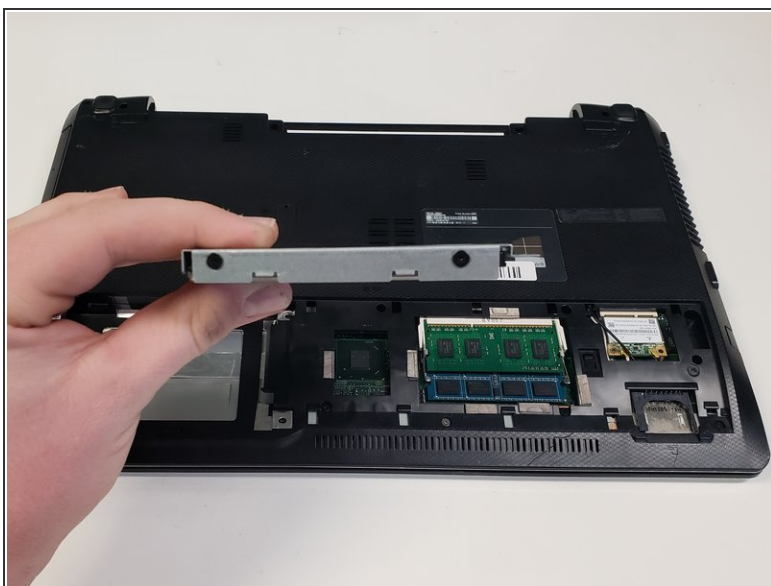
- Use a Phillips #0 screwdriver to remove the two 1.5 mm screws in the smaller portion of the bottom cover.
- After removing the screws, remove the smaller cover.

### Step 3



- Use a Phillips #0 screwdriver to remove the 1.5 mm screws that hold down the hard drive.

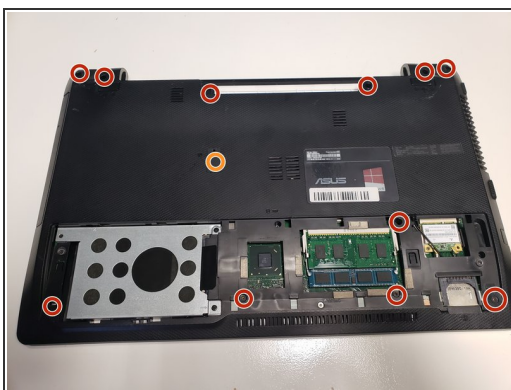
### Step 4



- Remove the hard drive from the slot.
- Remove the hard drive from its shell.

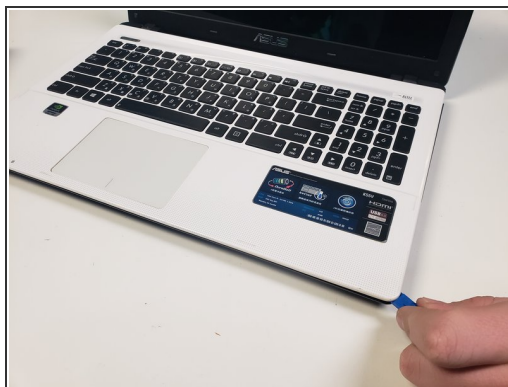
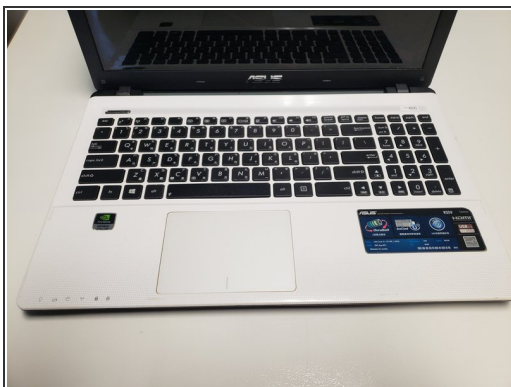


## Step 5 — Fan



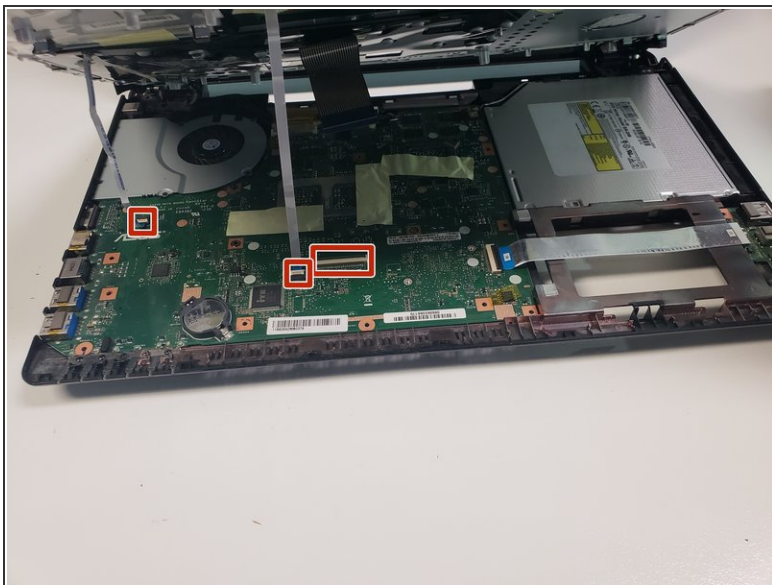
- Remove all 12 screws from the bottom cover with a Phillips #0 screwdriver.
- ❗ The four screws nearest the display hinges are longer.
- The single screw in the middle of the bottom cover is shorter than the rest.

## Step 6



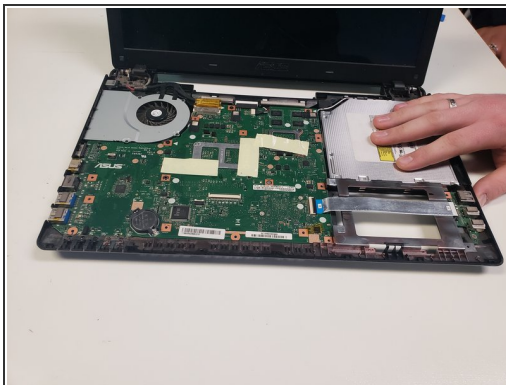
- After the screws are removed, Orientate the device so that the keyboard is shown.
- Using the Plastic Pry tool separate the keyboard panel from the rest of the laptop.

## Step 7



- Before the keyboard panel can be fully removed, detach the three cords that connect to the keyboard.
- Lift up on the black tab and the cord will fall out.

## Step 8



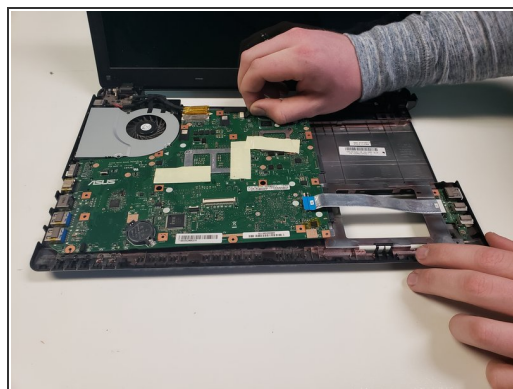
- Remove the optical drive by sliding it outward.

## Step 9



- Now remove the two wires shown by pulling away from the motherboard.

## Step 10

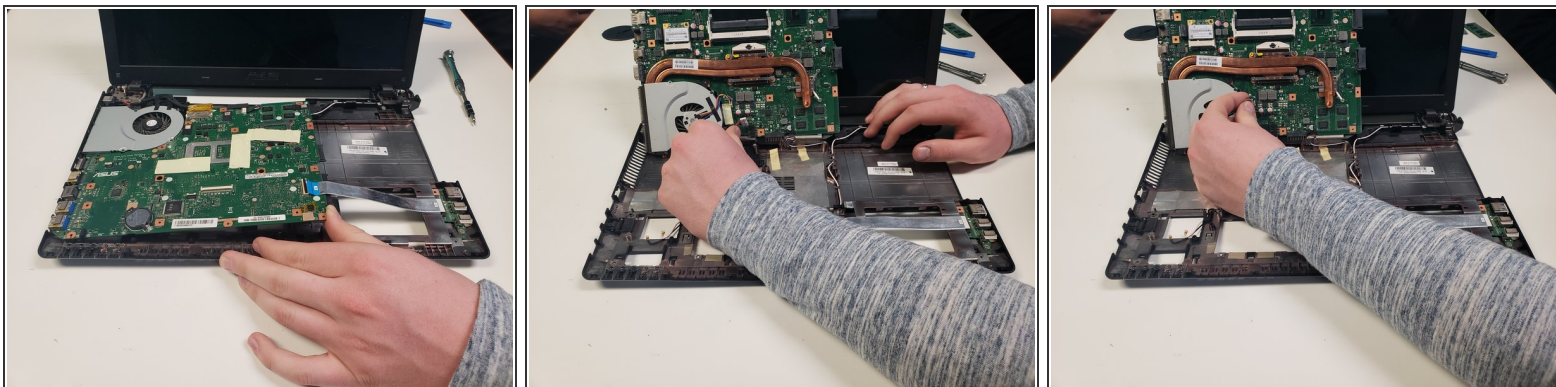


- Remove the three screws holding the motherboard and fan in place using the Phillips #0 bit.

⚠ The top left screw shown in the first picture is easily broken

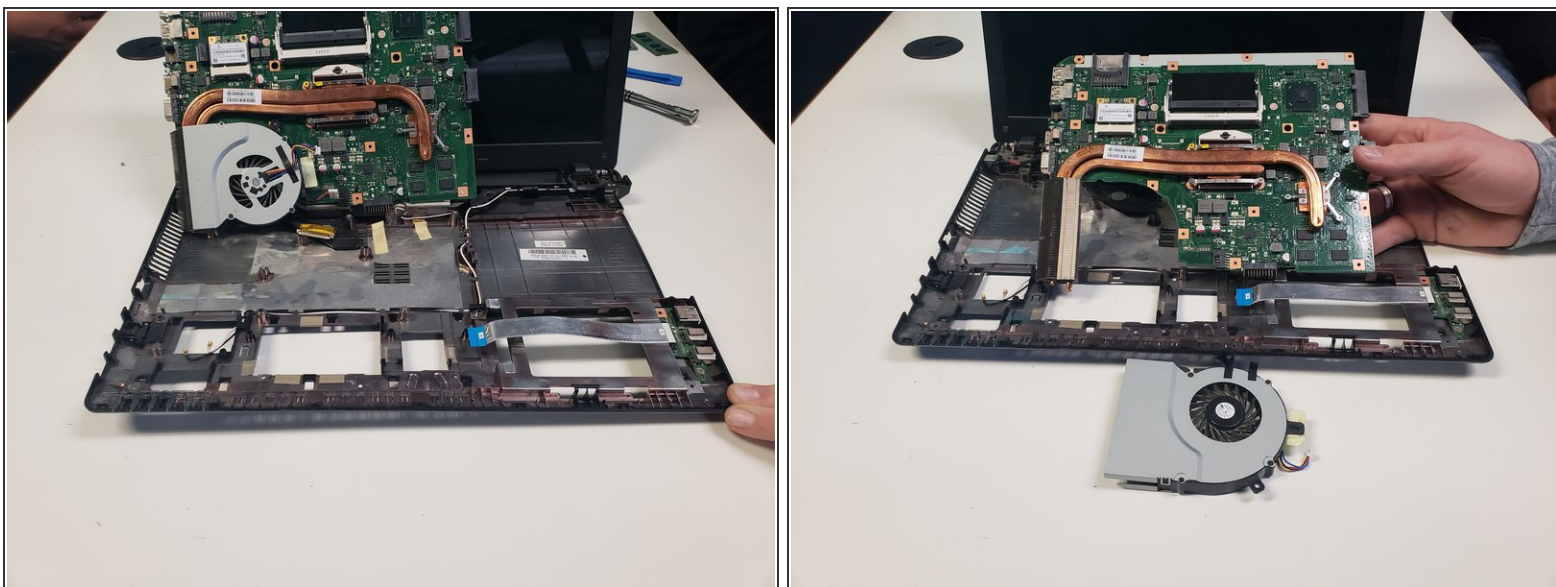


## Step 11



- lift up on the entire motherboard and unplug the bottom wires connected to the fan.

## Step 12



- After all cords have been removed, the fan can be removed as well.

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