



Asus K55VD Fan Replacement

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

Written By: Charter Mitchell



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.

TOOLS:

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

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



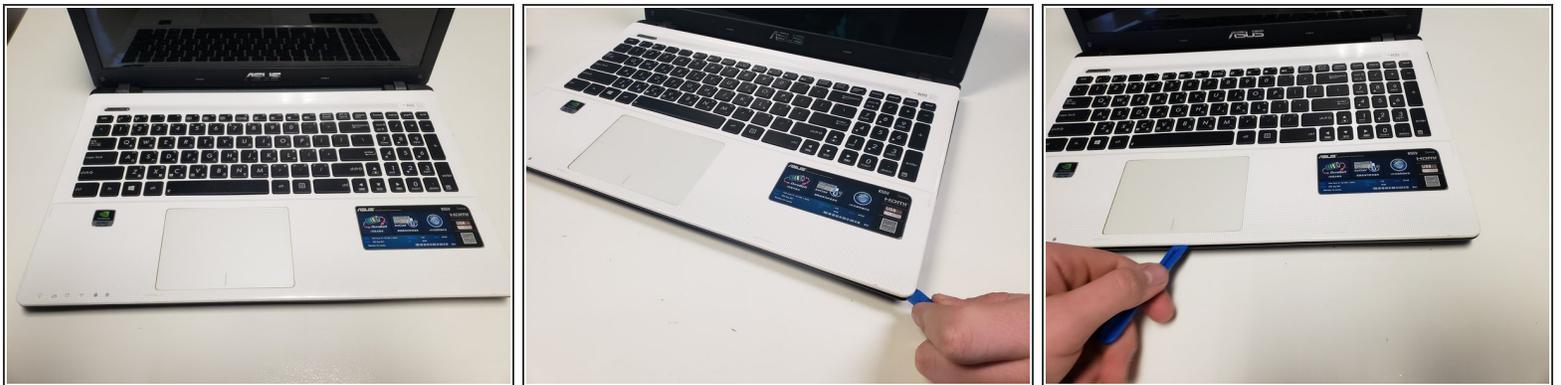
- Remove the hard drive from the slot.
- Remove the hard drive from its shell.

Step 5 — Fan



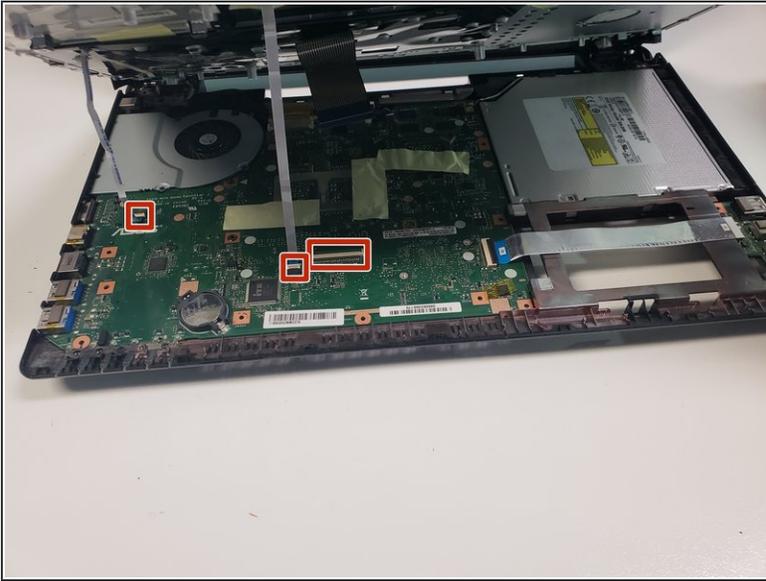
- Remove all 12 screws from the bottom cover with a Phillips #0 screwdriver.
- ⓘ The four screws nearest the display hinges are longer.
- The single screw in the middle of the bottom cover is shorter than the rest.

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.

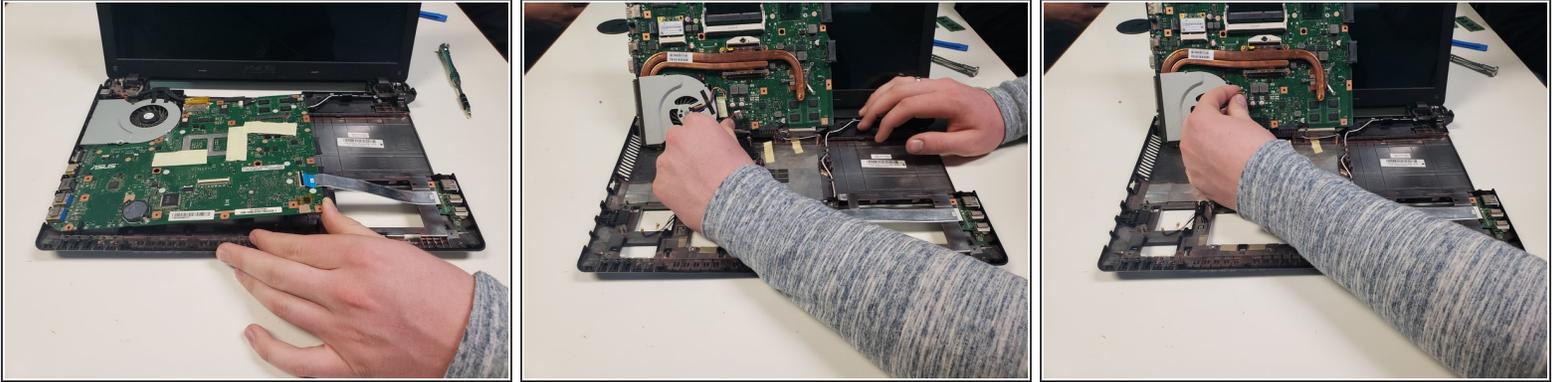
Step 10



- 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.