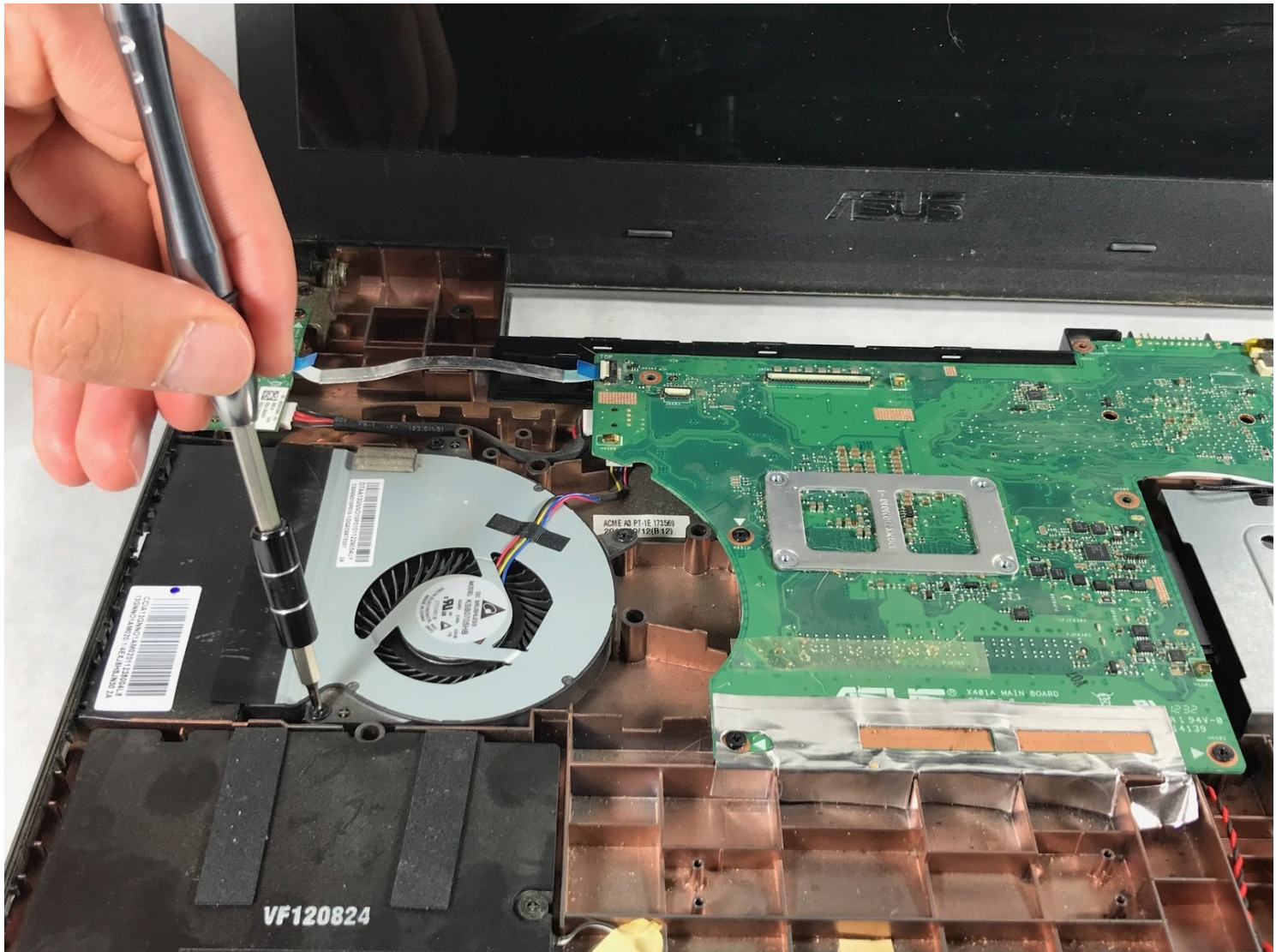




Asus X501A-RH31 Fan Replacement

This guide will explain how to locate and...

Written By: Christopher



INTRODUCTION

This guide will explain how to locate and replace the fan inside of the Asus X501A-RH31 laptop. This replacement guide will fix the cooling aspect of the computer.

TOOLS:

[iFixit Opening Tool](#) (1)

[Tweezers](#) (1)

[Phillips #00 Screwdriver](#) (1)

[Spudger](#) (1)

Step 1 — Battery



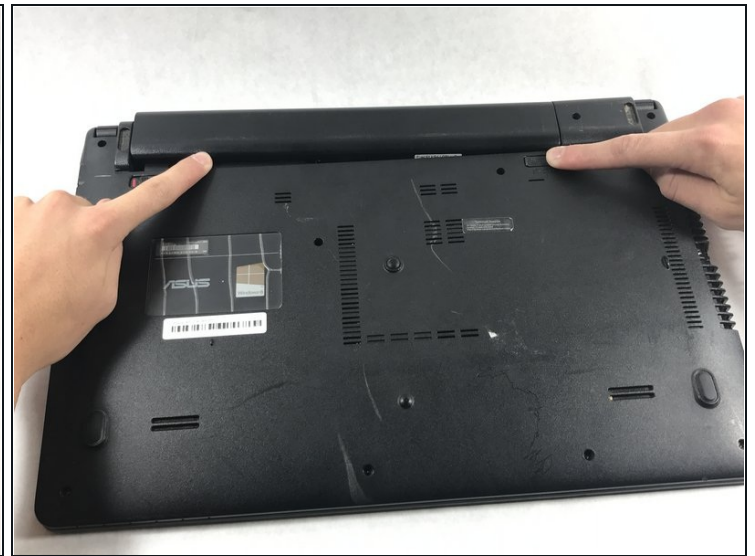
- Turn the laptop over so that the back is facing upwards.

Step 2



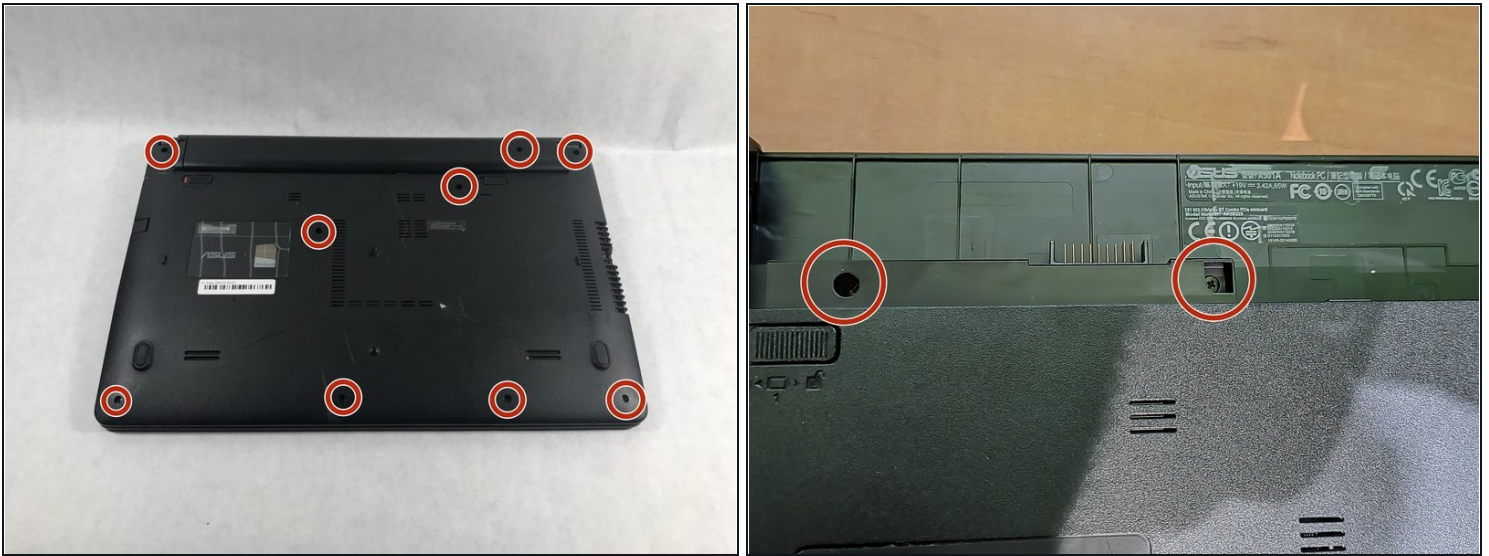
- To unlock the left tab, make sure the tab on the left has red showing.

Step 3



- To unlock the right tab, push the right slider to the left with one hand.
- Push the battery out with the other hand.

Step 4 — Keyboard



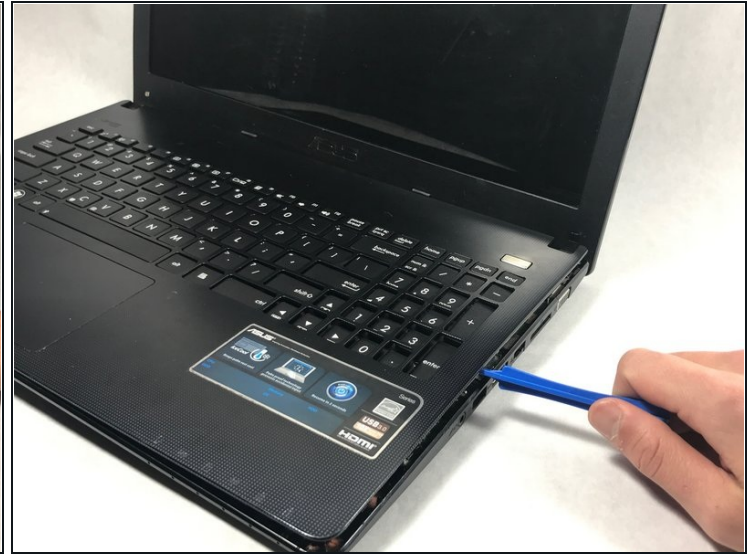
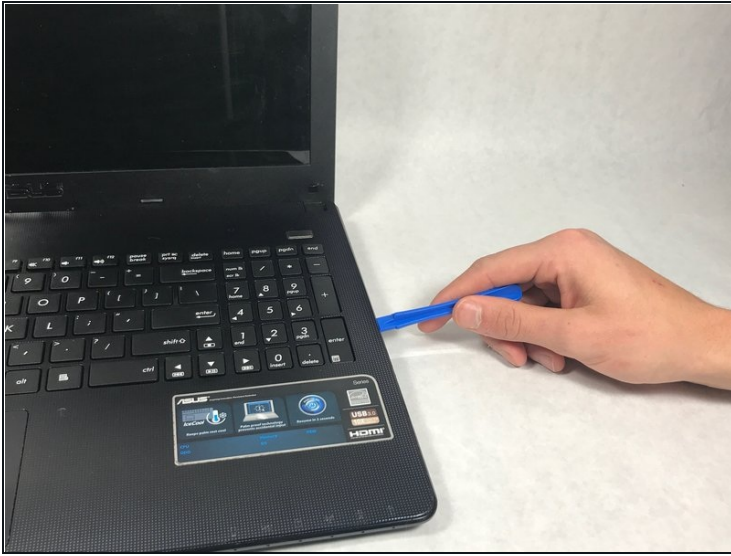
- Using the Phillips #00 screwdriver unscrew all nine screws from the bottom of the laptop, as well as the additional two screws inside the battery compartment.
- ① Nine of the screws are 5 mm long, 4.5 mm in diameter, while two screws closest to the hinges are 7 mm long.

Step 5



- Turn the laptop over and open the top so the keyboard is facing you.

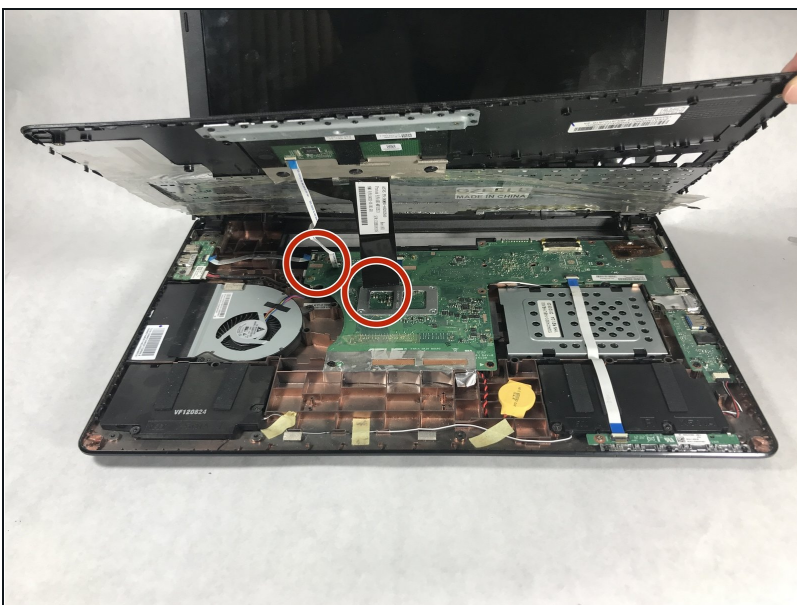
Step 6



- Pry off the keyboard cover on the edge using the plastic opening tool.
- Start from one side. Once it is loose, carry out the same procedure on the front and other side.

⚠ Only do little sections at a time as the keyboard may break if you attempt to take the whole thing off from a single point.

Step 7




- Slowly lift the keyboard upward, but do not remove completely.
- Remove the two data cables that attach the keyboard to the motherboard.

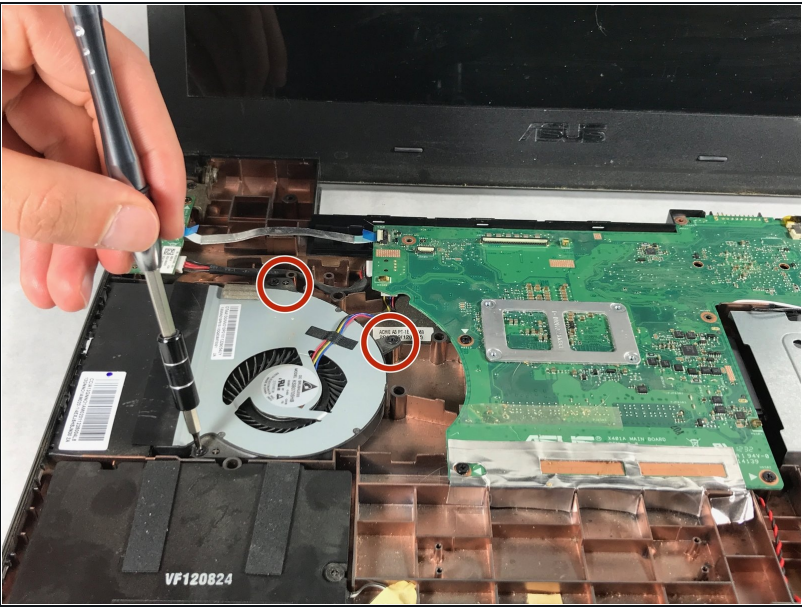
Step 8



- Use [tweezers](#) to pull the white plastic piece up that is attached to the data cable.
- Repeat this process for the big black cable as well.

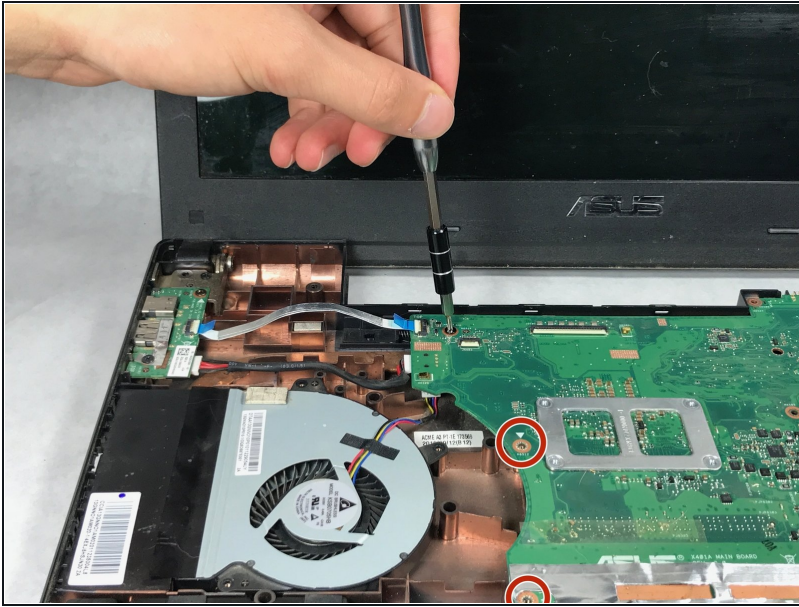
 Use caution when unlatching the data cables from the motherboard. The cables are extremely delicate and can break.

Step 9 — Fan



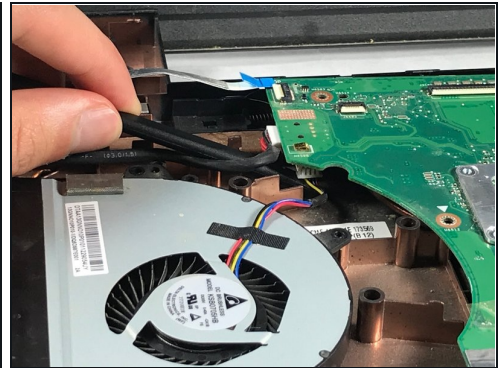
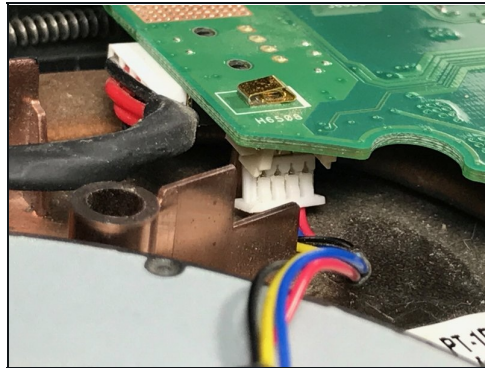
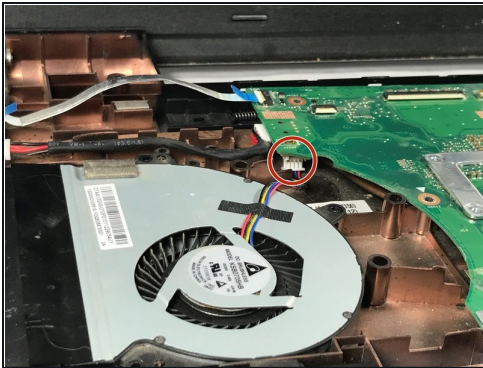
- Unscrew the three screws using the Phillips #00 screwdriver.
- ① The three screws are 5 mm in length, 4.2 mm in diameter.

Step 10



- Unscrew the three screws on the left hand side of the big motherboard.
- This will loosen the motherboard, which will allow for better access to the cables in the next step.
- ① The three screws are 5 mm in length, 4.2 mm in diameter and Phillips head screws.

Step 11



- Remove the connector cable attached to the bottom of the motherboard.
- Take the black plastic spudger and press down on the lower half of the white plastic piece to remove the connector cable.

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