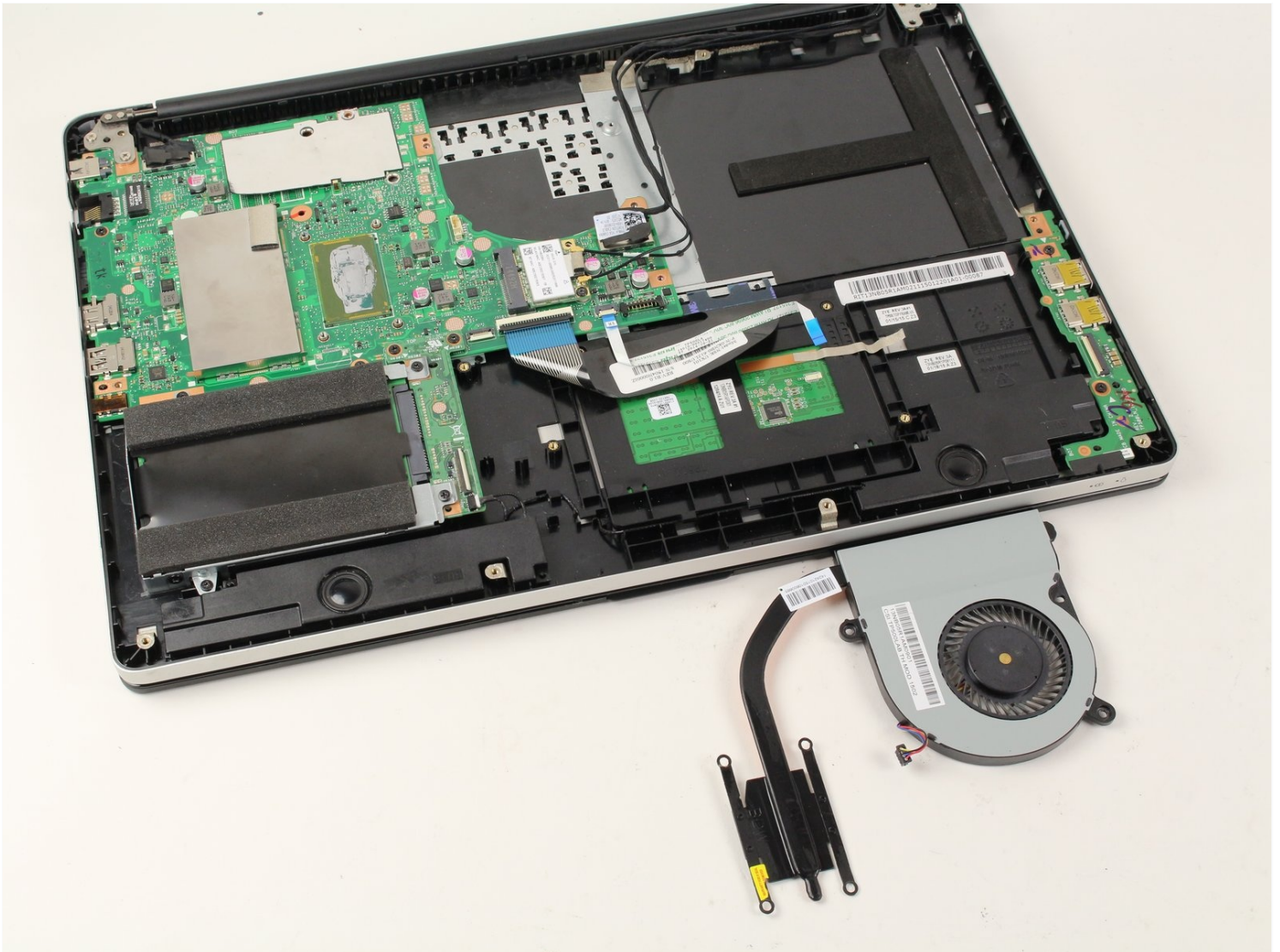# ASUS Transformer Book Flip TP500LA Fan Replacement

The fan is responsible for self cooling the...

Written By: Solomon Dovinh

INTRODUCTION

The fan is responsible for self cooling the computer during operation. Without a working fan, your computer is prone to overheating and continually shutting down. This guide will help you replace your faulty or broken fan in your ASUS Transformer Book Flip TP500LA.

🔧 TOOLS:

Phillips #0 Screwdriver (1)
Heavy-Duty Spudger (1)
iFixit Opening Tool (1)
Tweezers (1)

Step 1 — Back Case

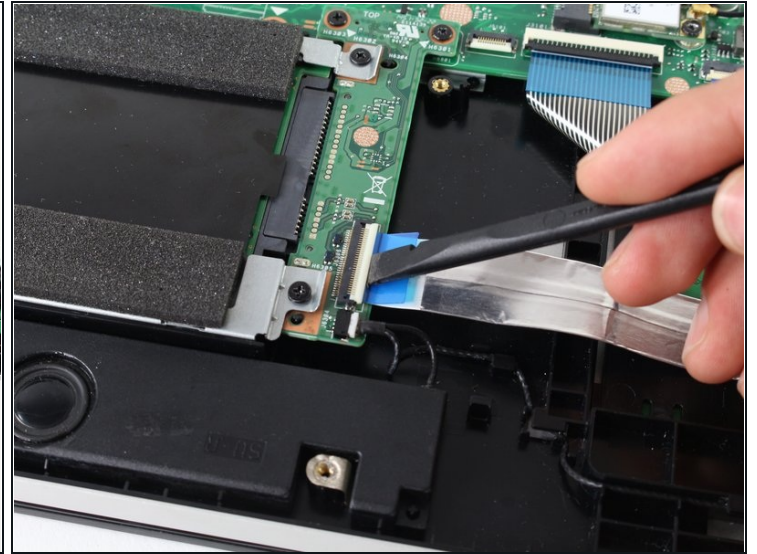- Remove the ten 10 mm Phillips #0 screws found on the computer's back case.

Step 2

- Slide a heavy-duty spudger between the back case and the computer.

- Slowly work around the edges to undo the clips to fully separate the back case from the computer.
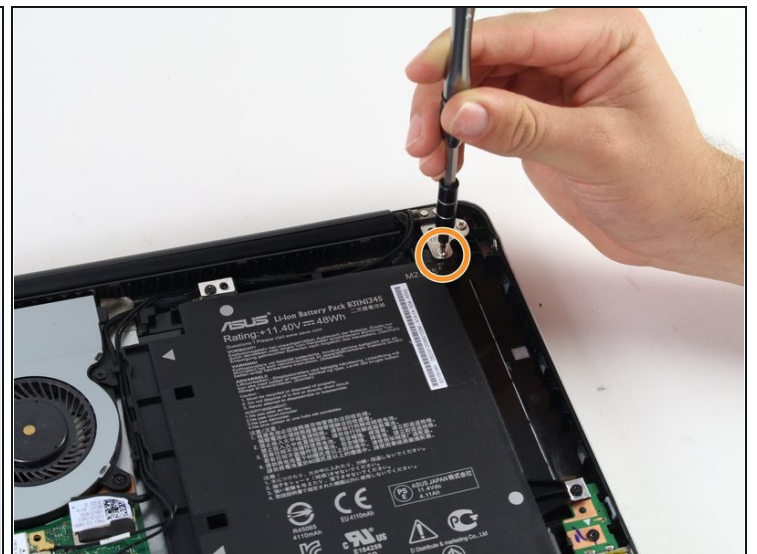
- Gently lift off the back case.
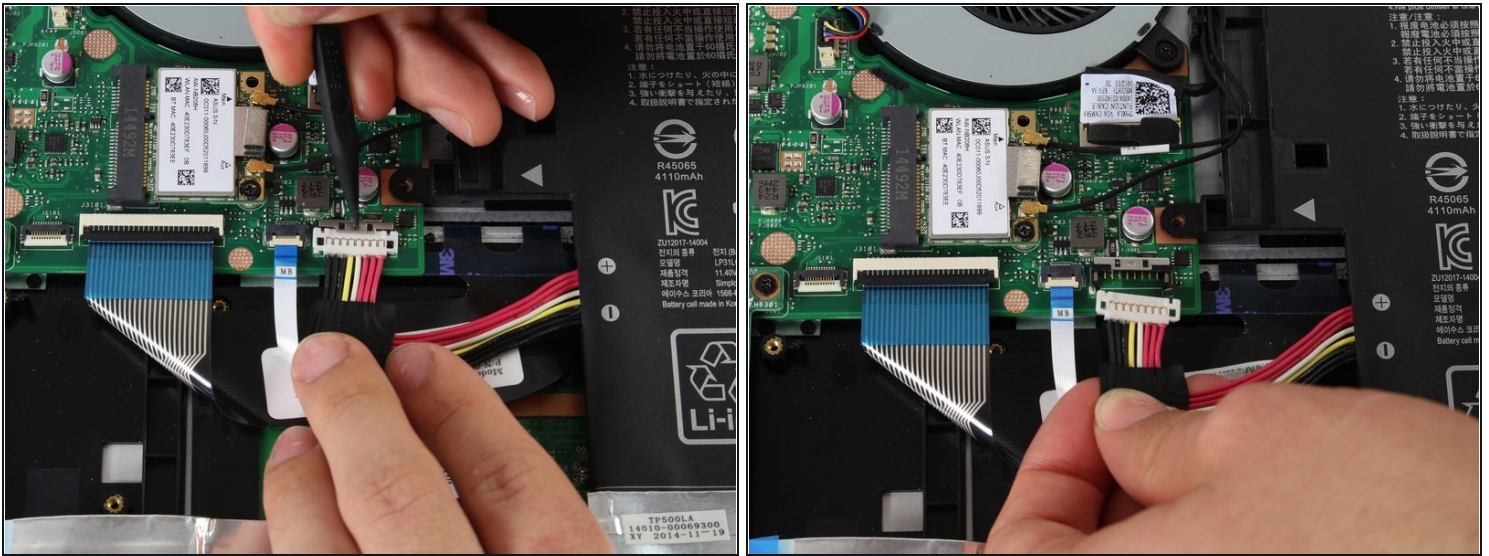
Step 3 — Battery

- Slide a heavy-duty spudger into the ZIF connector and gently flip up the retaining flap to open the connector.

- Pull the blue tab to remove the ribbon.

Step 4

- Remove the three 5 mm Phillips #0 screws.

- Remove the single 6 mm Phillips #0 screw.

Step 5

- Use the heavy-duty spudger to pry the white 8-pin connector away from the motherboard.

- Gently pull the connector away from the motherboard.

⚠ The black 8-pin connector on the motherboard is very fragile, so be careful when removing the white 8-pin connector.
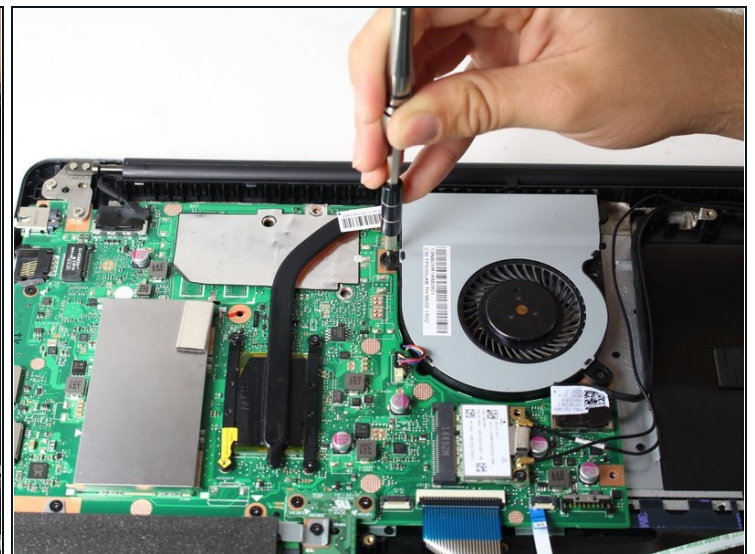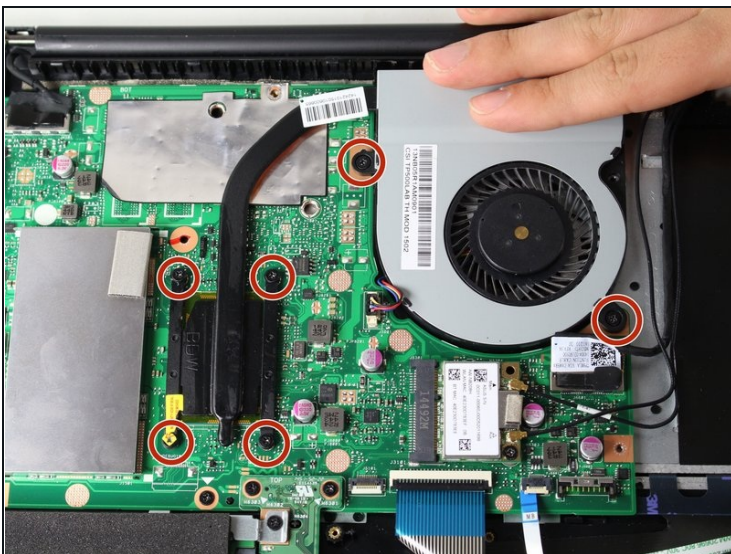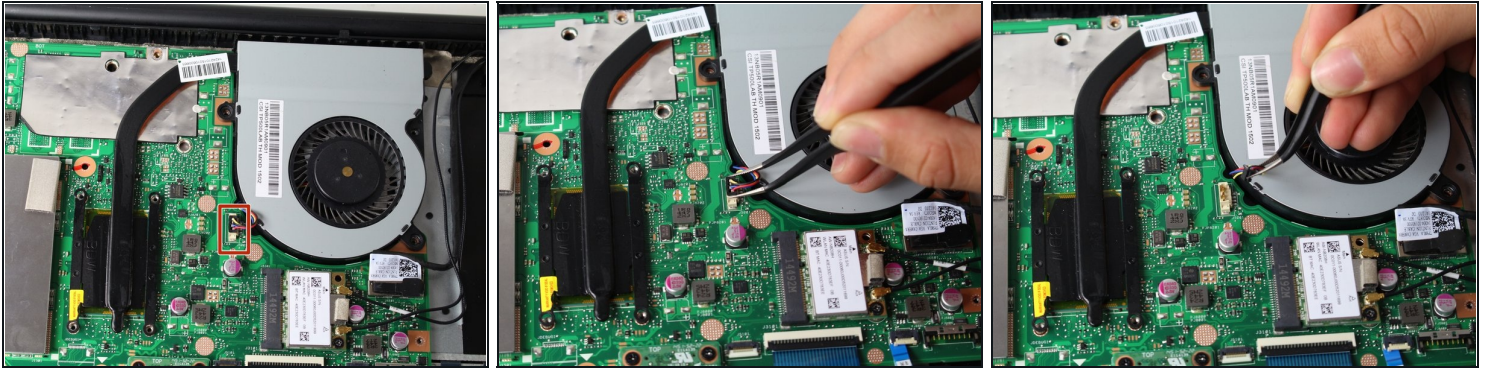
Step 6

- Use the blue plastic opening tool to loosen and remove the three black wires from the battery.

- Slide the battery out from the computer to remove.
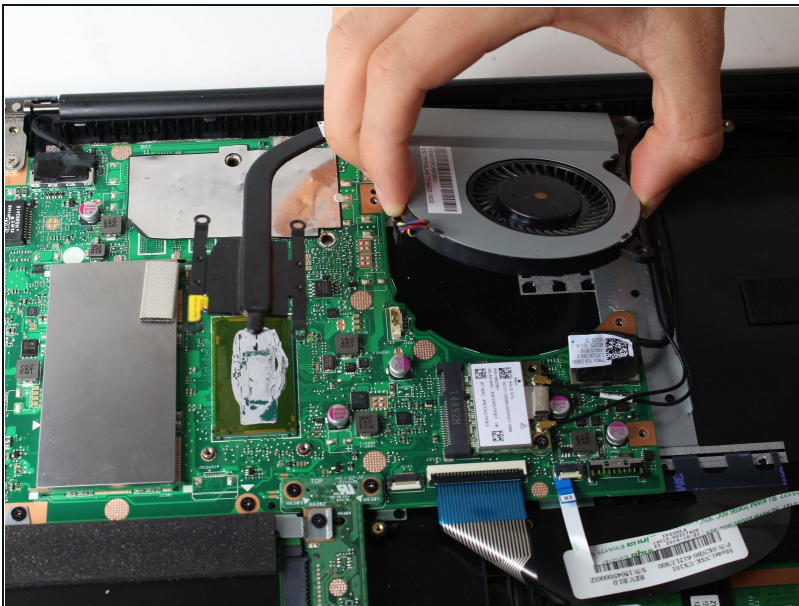
Step 7 — Fan

- Unscrew the six 5 mm Phillips #0 screws.

Step 8

- Grasp the top of the 3-pin connector with [tweezers](#).

- Wiggle the connector until it loosens itself from the motherboard.

- Gently lift the connector from the motherboard attachment.

Step 9

- Carefully lift the fan off the motherboard.

- ⚠ Attached to the fan is thermal pasting that needs to be reapplied when attaching the fan back to the motherboard. Follow this [guide to reapply thermal pasting correctly.](#)

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