



# Toshiba Satellite M305D-S4829 Fan Replacement

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 **TOOLS:**

- [Phillips #0 Screwdriver \(1\)](#)
- [iFixit Opening Tools \(1\)](#)
- [Tweezers \(1\)](#)

## Step 1 — Battery



- Unlatch the battery by pushing outward on both latches.

## Step 2



- Slide battery out.

## Step 3 — Keyboard



- Remove the five "F2" screws with a Phillips #0 screwdriver.

## Step 4



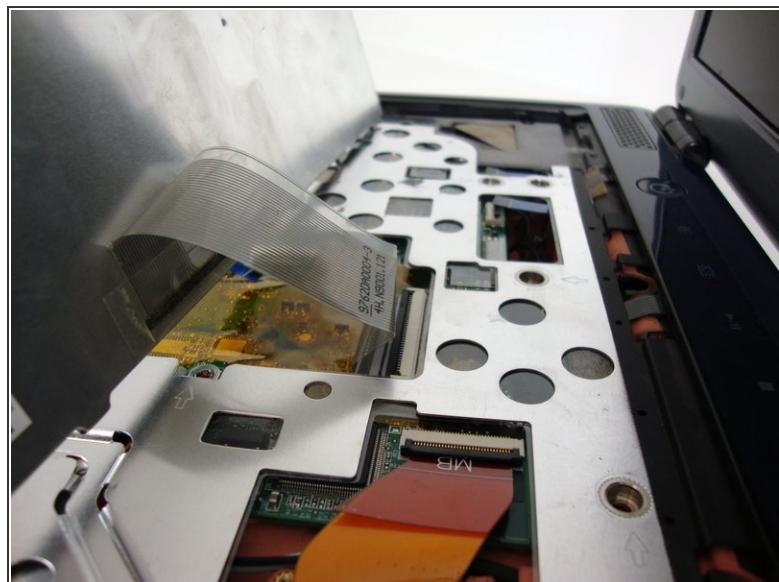
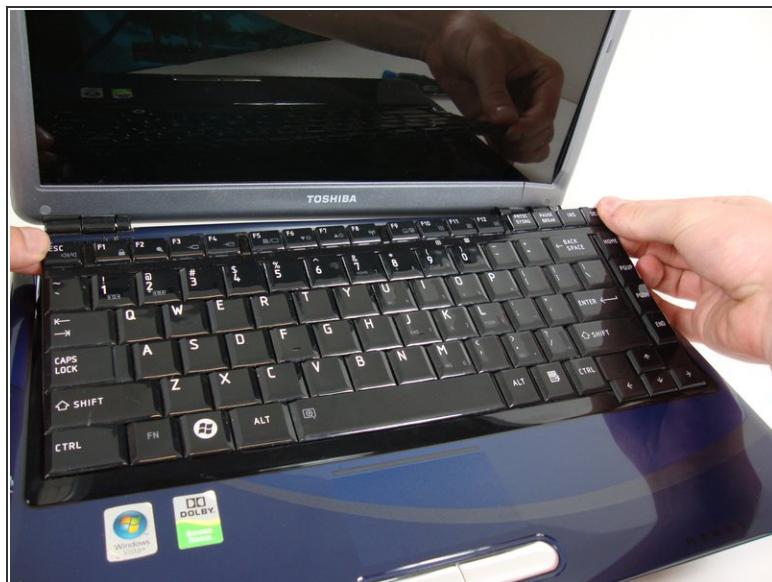
- Insert the plastic opening tool above the F1 key.
- Apply upward pressure until the black plastic strip snaps off. The entire strip will easily come off from left to right.

## Step 5



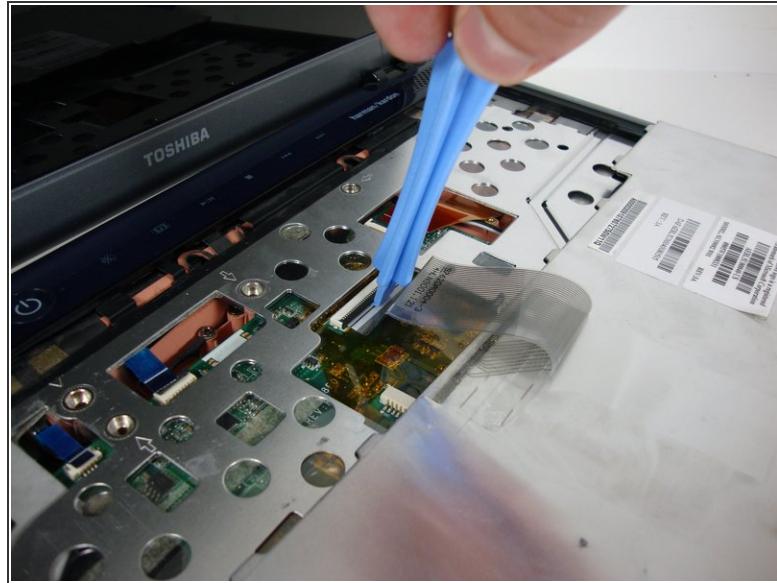
- Find the screws above the F1 and INS keys.
- Unscrew both screws with a Phillips #0 screwdriver.

## Step 6



- Slowly lift the top edge of the keyboard out with your fingers.
- The ribbon cable located on the back of the keyboard will become accessible.

## Step 7



- Locate the black ribbon cable flap.
- Detach flap with plastic opening tool. The ribbon cable will become free.

## Step 8



- Your keyboard has now been successfully removed.

## Step 9 — CD/DVD Drive



- Remove the back panel by removing the three labeled screws with a Phillips #0 screwdriver.

## Step 10



- Locate and remove the circled screw with a Phillips #0 screwdriver.

## Step 11



- Use the plastic opening tool to pry the CD/DVD drive out of the frame.

## Step 12



- Gently remove the CD/DVD drive from the laptop body.

## Step 13 — Motherboard



- Remove the circled screws with Phillips #0 screwdriver.

## Step 14



- Remove these screws from the underside of the laptop with Phillips #0 screwdriver.

## Step 15



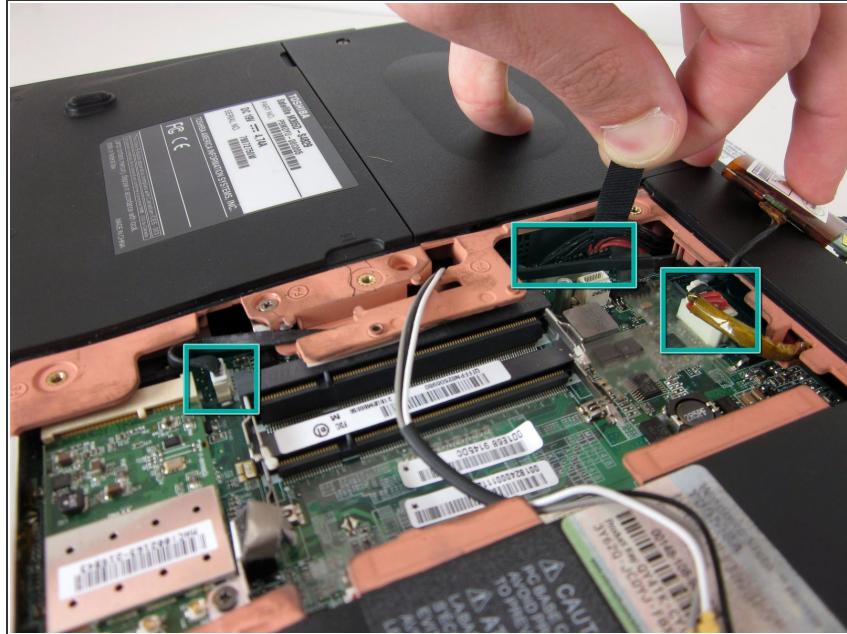
- Disconnect the three circled antennas by lightly pulling upward with your fingers. They should detach easily.
- Note: Yours may only have two (2) antennas. Pay attention to the Orientation of the Aluminum bracket with the pads for reinstallation.

## Step 16



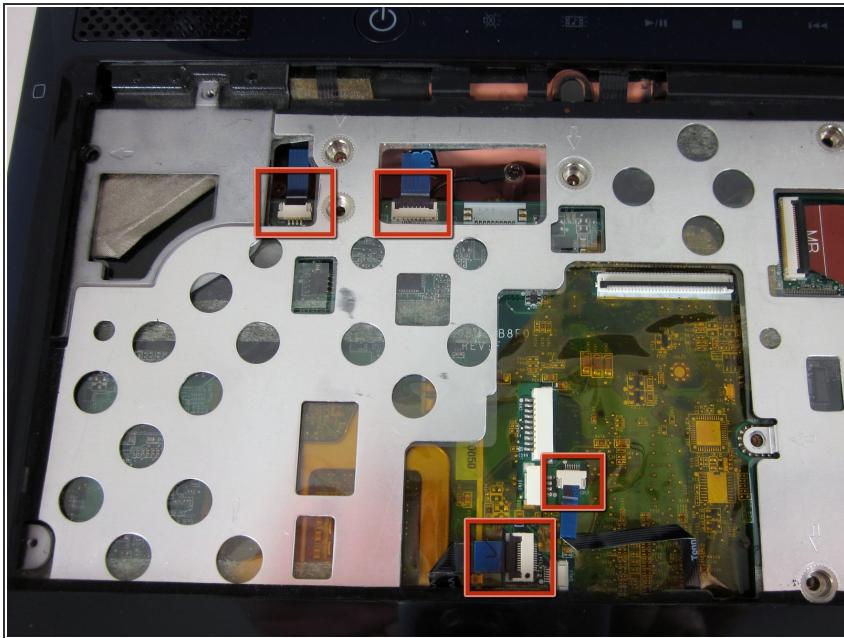
- Remove the circled screw with a Phillips #0 screwdriver.

## Step 17



- Detach the 3 marked cables by pulling them out with your fingers as shown.
- *i* This may require some force. They do not come out easily.

## Step 18



- Detach the four blue ribbon cables carefully with tweezers. Some of the ribbons may require a flap to be raised because it secures the ribbon in.

## Step 19



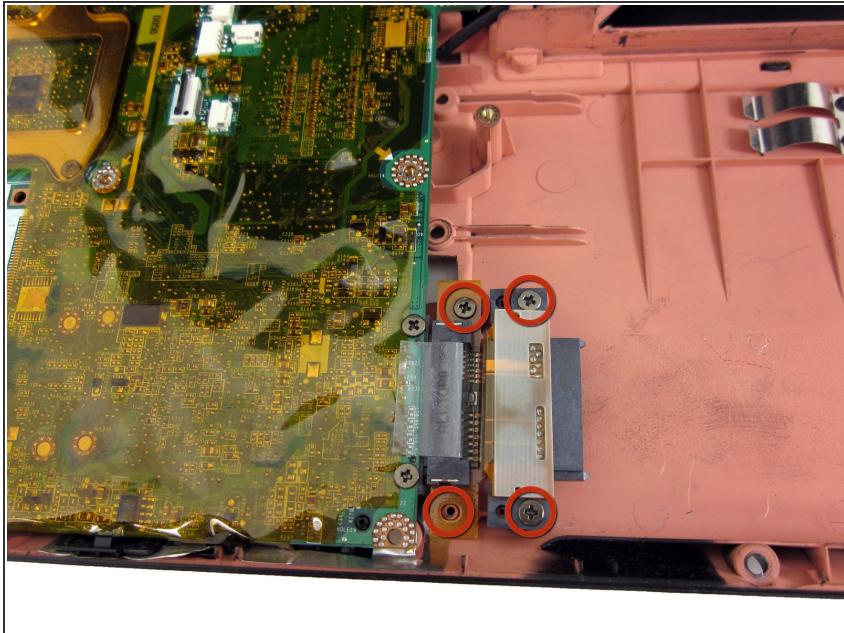
- Remove the top plastic cover by lifting upward from the bottom left-hand corner as shown. The cover will come off easily.

## Step 20



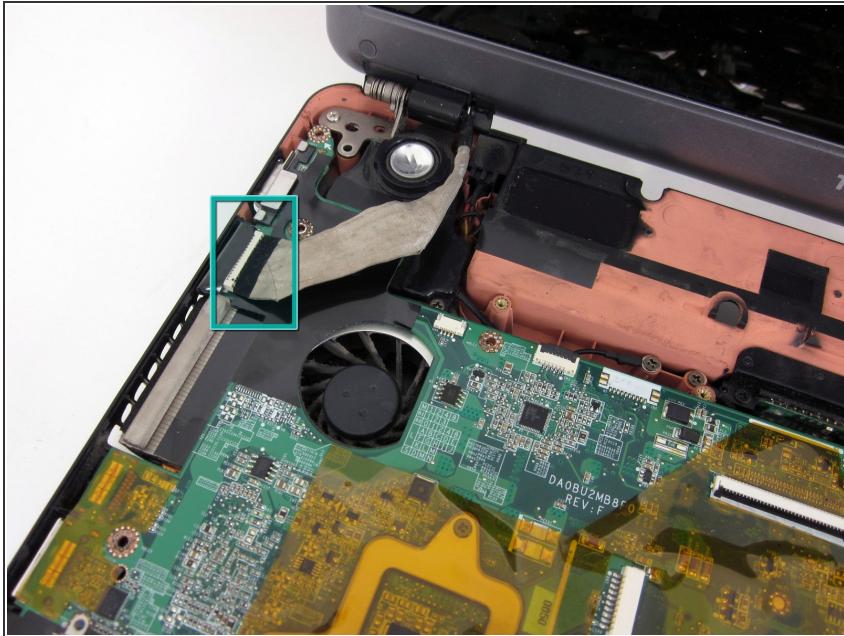
- Remove the circled motherboard screws with a Phillips #0 screwdriver.
- Disconnect this ribbon cable.

## Step 21



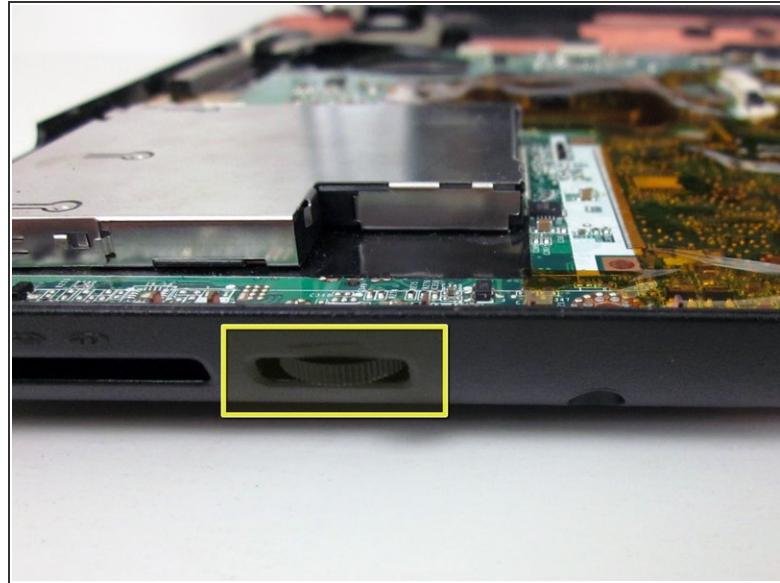
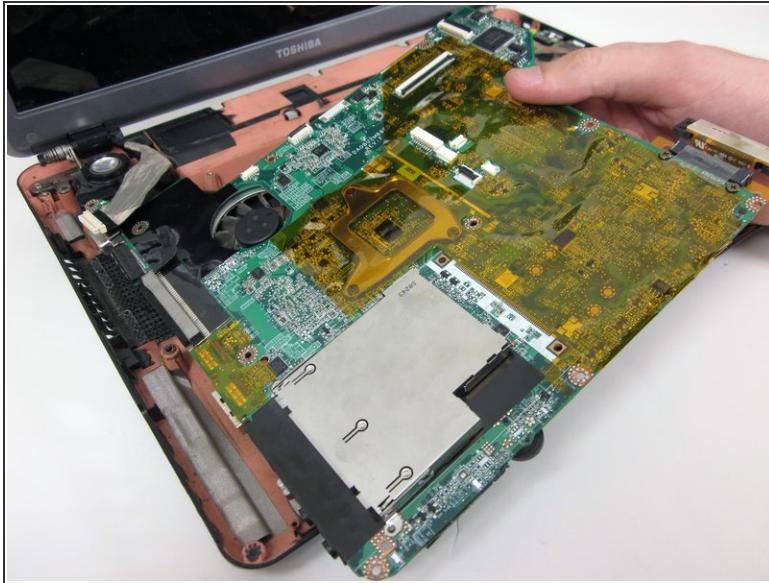
- Remove these screws with a Phillips #0 screwdriver.

## Step 22



- Detach the display cable by gently pulling it out with your fingers.

## Step 23



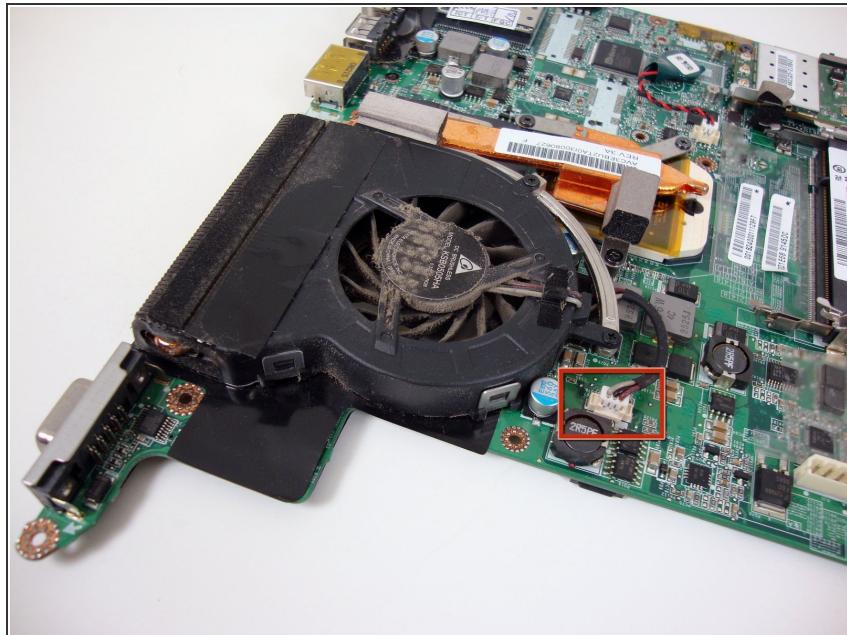
- Remove the motherboard from the left side by gently lifting the left side upward.
- (i)* The boxed volume control may snag on the laptop frame when pulling the motherboard out.

## Step 24



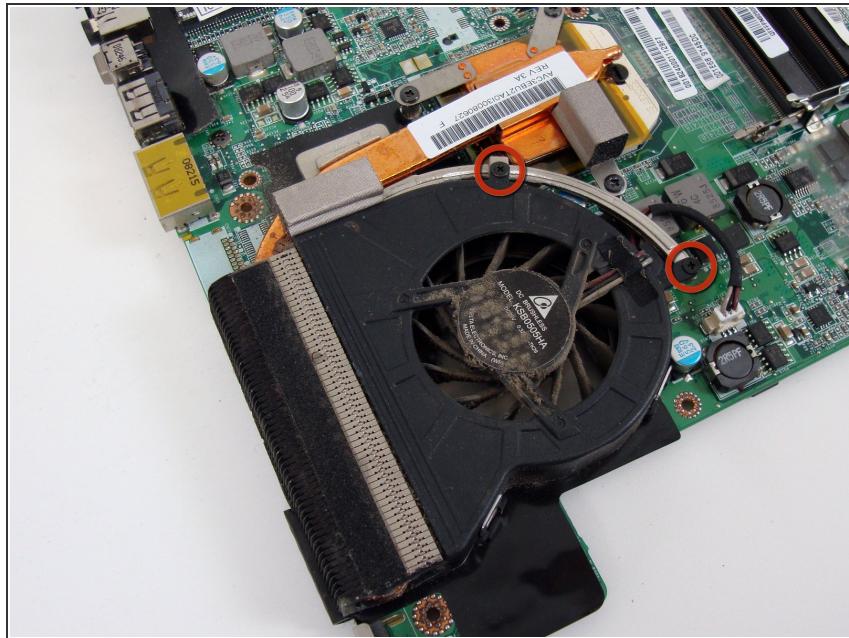
- The motherboard has now been removed from laptop.

## Step 25 — Fan



- Detach the fan power cord by pulling it out with your fingers.
- Carefully lift up the tape on the fan by peeling the right edge to the left. It can remain attached to the heatsink but should be removed from the fan.

## Step 26



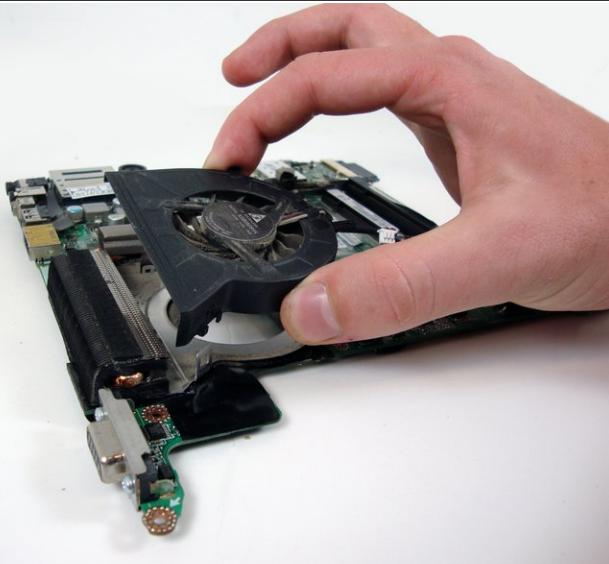
- Remove the circled screws with a Phillips #0 screwdriver.

## Step 27



- Locate the 3 circled clips holding the fan to the motherboard.
- Pry each clip outward while applying upward force on the fan as shown.

## Step 28



- Carefully pull out the fan.
- Note: replacing the fan is highly recommended
- Optionally you may clean the fan with Air + Q-Tips. To remove the blade turn the fan over and gently pull the fan blade from the housing.

**!** If the fan is no longer operational, it may be possible to temporarily repair it by removing the fan blade and put a small amount of WD-40 on the pinion shaft hole the fan rotates in. A toothpick is a good applicator. Do NOT contaminate the motor area with any of the dust/grime that has accumulated.

**★** Insert the fan blade and move the blades with your finger. It should spin freely and cog to a stop. Again this is a temporary fix!

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