Radeon RX 580 Video Card Fan Replacement

The replacement of the fan system on a Radeon RTX 580 series GPU.

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## INTRODUCTION

This guide demonstrates replacing a GPU fan in a RADEON RX580 graphics card. If you begin to notice one of the fans have stopped functioning completely, then this is an essential repair to complete. Get ready to use a small amount of physical force for some parts of this guide.

### TOOLS:
- Phillips #1 Screwdriver (1)

### PARTS:
- RX580 fan (1)
**Step 1 — Fans**

- Lay down the case so that the power button is on the far top right corner and is facing your right.
- Remove the top panel by pushing its ridgeline away from you and sliding it off of the case.
- Remove the side panel facing you by pushing its ridgeline away from you and lifting it off of the case.

**Step 2**

- To disconnect the GPU cable, use your thumb and index finger to unlatch the hooking device and pull the cable away.
Step 3

- Gently and carefully press down on the release mechanism on the PCIE slot of the graphics card.

- You should hear a click which will indicate proper release from the motherboard (in this case a Tomahawk B450).

- Do not touch the motherboard with your hands or any other device. It may result in a short.

Step 4

- Remove the graphics card from the motherboard by applying back pressure to the card.

- Use both hands in this process as the card can be quite heavy.

- Be sure to set the graphics card on a non-static surface, such as a wooden table.
Step 5

- Remove the six 1.8 mm screws holding both fans in place by using a Phillips #1 screwdriver in-between the fan blades as the screws are located behind the fans.

⚠️ Try not to touch the heat sink with your screwdriver as it may cause substantial damage to the system.
Step 6

- Remove the fans by applying back pressure.
- Unplug the individual fans from the graphics card.

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