



COOLING FAN DISASSEMBLY AND REPLACEMENT FOR XFX R7(9)280, 290, 390

Tools required:

- Standard Phillips head screwdriver
- Mini Philips screwdriver
- CPU/GPU thermal paste
- Lint-free micro fiber cloth (for cleaning off)
- 2mm Cable Zip Ties x 2

Optional:

- Flush cable cutters (for removing old zip ties)
- Isopropyl Alcohol (helps clean off any existing dried-out thermal paste)
- 1" regular paintbrush (helps clean any residual dust after removing the original fan assembly)
- Air blower (canned or electric air compressor)

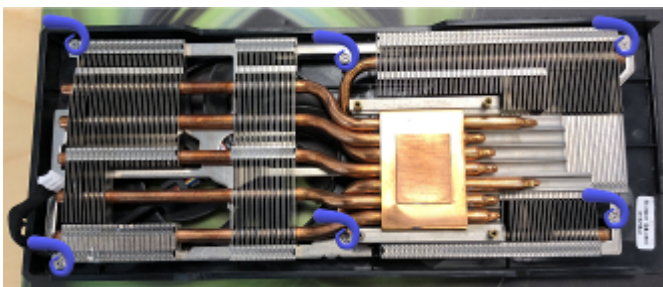


Preparation:

Remove your video card from the system and if possible use a flat static-free surface, such as a wooden desk or use cardboard to protect the table/desk surface.

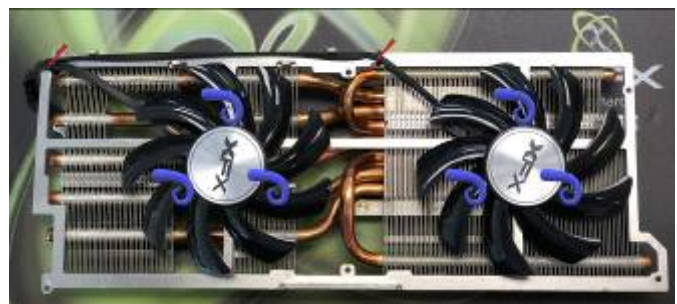
Removing old fans:

1. Remove the 4 screws holding the shroud from GPU body.



2. Remove the 6 screws holding the shroud from front panel housing.

3. Cut and remove two zip ties that hold the fan's power wires to the frame, then unscrew 6 screws that attach the fan to the shroud frame.



- Clean up and blow away all the dirty and dust from the shroud.
- Attach the right side fan first, if possible use a new zip tie to hold the wire down, **pull the wire straight** so the wire will not rub on the fan as its spinning.



- Attach the left fan to shroud frame next. Adjust the wire so it is routed to properly as shown below. Also make sure the wire is straight as mentioned in step 5 to preventing scratching of spinning fan.



7. Attach the shroud back to the fan cover with the 6 screws that were removed in step 2
8. Apply the thermal paste to the heat plate.
9. Attach the heat shroud back to GPU body. Reinstall the screws in the following order: 1, 3, 2, 4 so the pressure is evenly spread out on the heat plate to GPU.
10. Install the unit back to your system, and give it a test run. Let the GPU warm up for 20-30 minutes. Once done, remove the unit from your system and double check all the screws on unit are still secured properly.
11. Re-install the unit back to your system and you should be good to go, monitor temperatures as needed.

If you have any further questions, please contact us.

Thank you,

XFX Technical Support