

# 1 KOOLANCE VID-AR597 Installation Guide v 1.0

NOTE: The video card should be removed from the computer chassis in order to install this cooling device.

**CAUTION:** Removal of the original heat sink may void your manufacturer's hardware warranty. Please consult the manufacturer if unsure, and keep all original parts in case of a return/RMA.

Most cards using the VID-series blocks are disassembled the same way, although heat sink assemblies of any given model can vary.



The screws on the bottom side should be removed first. There should be about 18 of these on the video card, plus 2 on the side of the L-bracket.



Example: HD 5970 Disassembly Screws



(Side L-Bracket)

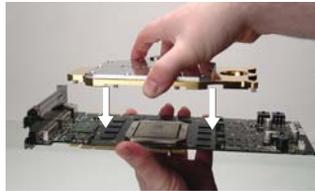


The heat sink and fan can now be **carefully** removed. Original thermal paste may present additional resistance while removing the heat sink.

Unplug the heat sink fan wire. Remove the original RAM thermal transfer material, and wipe any residual thermal material from the main GPU chipset.



Place the cut heat transfer pads on each area cooled by the Koolance liquid block, as determined by the thermal pad diagram.

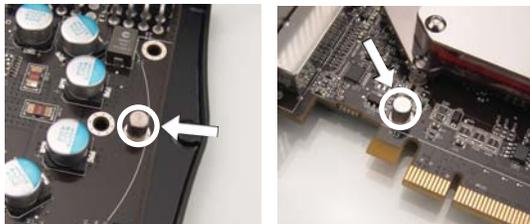


Place the Koolance water block onto the video card.



Use the Koolance or original screws (whichever fits best) on the reverse side of the card. Utilize the original video card screws for the rear GPU "cross bracket".

2 thumb nuts are supplied to take the place of empty screw hole positions on the top of the video card.



Thermal Paste Area

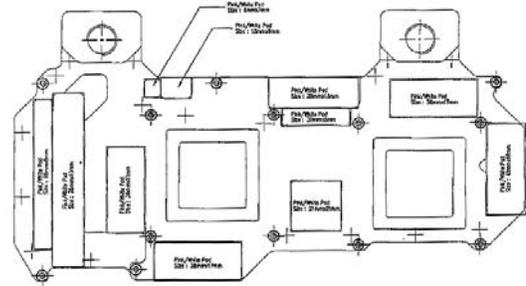
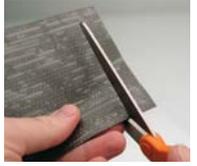
Thermal paste is only required on the main GPU(s). The other areas will utilize the included heat transfer pads.

Spread thermal compound on the GPU thinly and evenly using the included paste packet, or a piece of thick paper (such as a business card). Thermal paste should not be placed on the surrounding metal support frame or small surface soldered components.

Gray thermal pads have plastic film on *both sides* that must be removed before application. White/Pink thermal pads only have plastic film on *one side* (white) that must be removed. Do this after cutting the proper shapes.



A separate thermal pad diagram (like the one shown below) is included with this video block. Use that diagram to determine the proper sizes, type (color), and location of thermal padding needed for this product. Shapes need to be cut to the approximate size.



VID-AR597



Two G1/4 "caps" are included with the VID coolers which can be placed opposite the desired nozzle locations.

Koolance VID coolers include redundant G1/4 threading on both sides. This means the input/output nozzles can be placed on either side of the cooler.

## Connecting VID Coolers in SLI or CrossFire

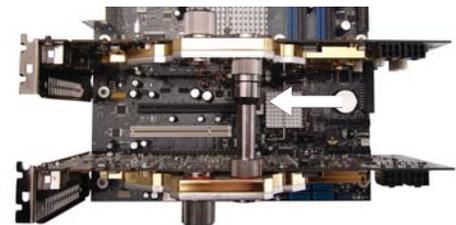
When connecting multiple VID coolers in series, Koolance offers an optional direct-connect nozzle. This minimizes liquid routing while avoiding potential conflicts with hardware in between the video cards.

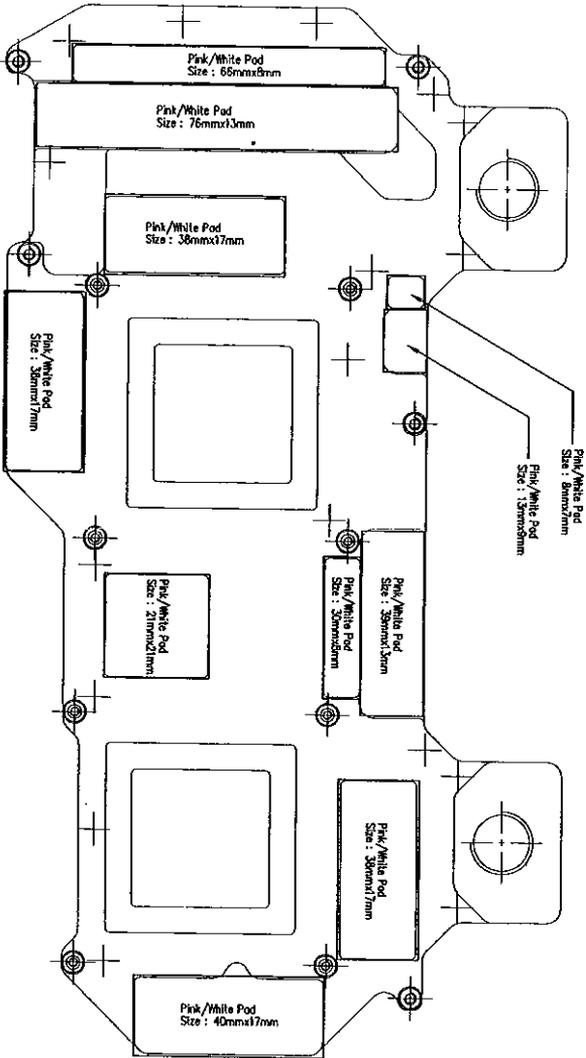


Optional Three-Four Slot Dual Video Connector (Koolance CNT-VDA34)



Optional Two Slot Dual Video Connector (Koolance CNT-VDA2)





VID-AR597