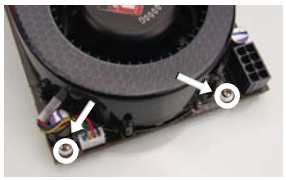
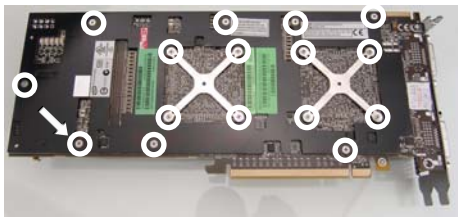
1 KOOLANCE VID-487X2 Installation Guide v 1.0

NOTE: The video card should be removed from the chassis in order to install this cooling device. Most cards using the VID-series blocks are disassembled the same way, although heat sink assemblies of any given model can vary.

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

All heat sink assembly screws should be removed. There should be 16 of these on the back of the video card (including the cross brackets). There are an additional 5 screws on the top and side L-bracket.


(Top Rear)


HD 4870 X2 Disassembly Screws (Back Side)


(Top Front)


(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.

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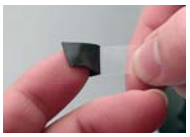
Thermal Paste Area

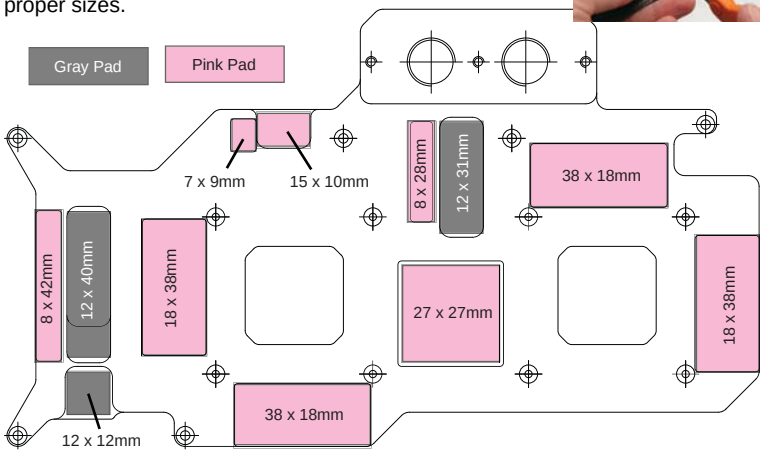
Thermal paste is only required on the main GPU(s). The other areas will utilize the included heat transfer pads.

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.

Two different sets of heat transfer pads are included, and each set has a different thickness. The thermal pad sheet should be cut into pieces required for your video block contact areas. Please use the below diagram to determine the proper sizes.



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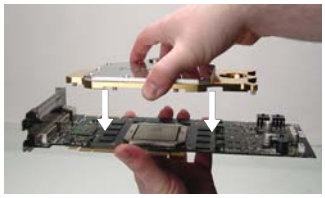
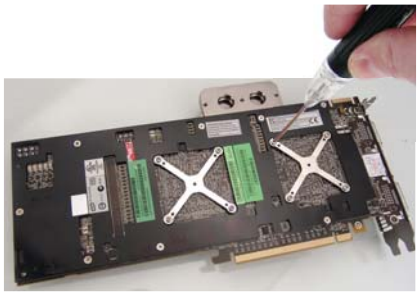
Place heat transfer pads on each additional area cooled by the Koolance liquid block, as determined by the previous diagram.



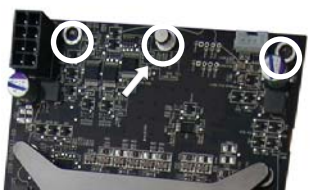
Place the Koolance block over the video card.

Using the Koolance-supplied screws and plastic insulating washers, tighten each screw on the reverse side of the card. Utilize the original video card screws for the rear GPU "cross brackets".


Koolance-Supplied Screw and Insulating Washer



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



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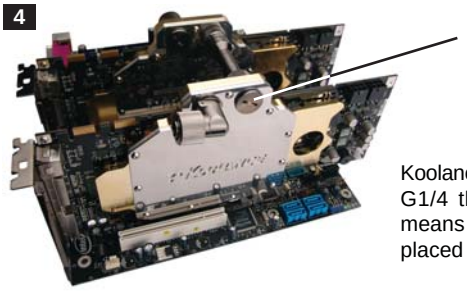

Two G1/4 "caps" are included with the VID coolers which can be placed opposite the desired nozzle locations.

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 Four Slot Dual Video Connector (Koolance CNT-VD4)


Optional Three Slot Dual Video Connector (Koolance CNT-VD3)


Optional Two Slot Dual Video Connector (Koolance CNT-VD2)

Optional Four Slot Dual Video Connector (Koolance CNT-VD4)