

1 **KOOLANCE** VID-290 Installation Guide v 1.1

NOTE: The VID-290 is designed for **ATI Radeon HD 2900 XT** cards. The video card should be removed from the chassis in order to install this cooling device.



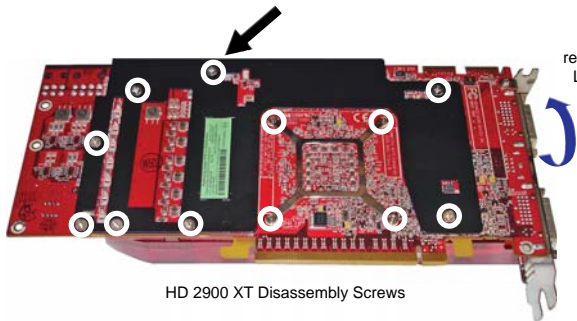
CAUTION: Removal of the original heat sink may void your manufacturer's hardware warranty. Please consult the manufacturer if unsure, and keep all original parts in case of a return/RMA.



Most cards using the VID-290 are disassembled the same way, although heat sink assemblies of any given model can vary.



The rear GPU retention bracket and backplate screws should be removed first (on the video card's bottom side). There should be about 12 of these on the video card. There may also be heat sink mounting screws on the side of the L-bracket.



Also
remove side
L-bracket
screws.

HD 2900 XT Disassembly Screws

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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.



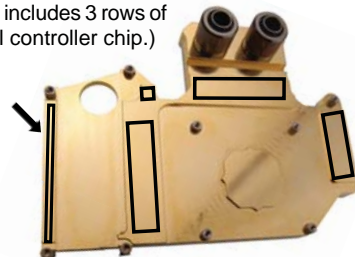
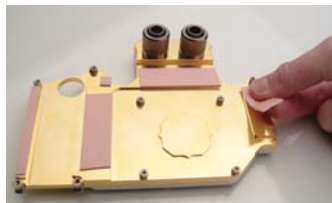
Thermal paste is only required on the main GPU. The other areas will utilize the included heat transfer pads.

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 is not required on the surrounding metal support frame.



Two sets of heat transfer pads are included, each with a different thickness. The set allowing for best contact at the GPU/chipset area should be used (check thermal paste distribution after mounting). Transfer pads have plastic film on *one or both sides* that must be removed before application.

Place the heat transfer pads on each additional area of the Koolance water block detailed below. (This includes 3 rows of memory, 1 power/VReg area, and 1 small controller chip.)

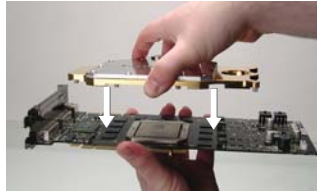


HD 2900 XT Thermal Pad Areas

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Place the Koolance block over the video card and tighten each screw on the reverse side of the card.

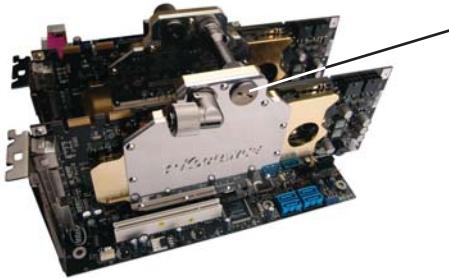


The Koolance VID-290 cooler is mounted using the original video card's heat sink screws, retention bracket, and back plate.



NOTE: Not all original screws will be needed to mount the water block.

The Koolance VID-290 cool includes redundant G1/4 threading on both sides. This means the input/output nozzles can be placed on either side of the cooler.

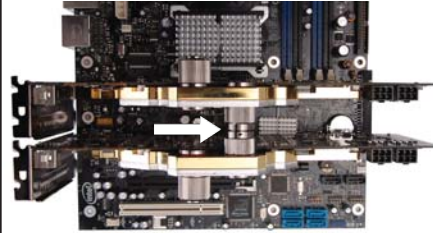


Two G1/4 "caps" are included with Koolance VID-series coolers which can be placed opposite the desired nozzle locations.

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Connecting VID-290 Coolers in CrossFire

When connecting VID-290 coolers in series (such as in CrossFire), Koolance offers an optional direct-connect nozzle. This minimizes liquid routing while avoiding potential conflicts with hardware in between the video cards.



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

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

