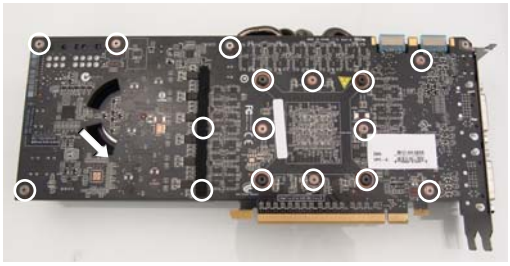
1 KOOLANCE VID-NX470, VID-NX480 Installation Guide v 1.0

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 15-16 of these on the back of the video card. There are an additional 2 screws on the rear L-bracket. Also check below stickers and pads.



GTX 480 Disassembly Screws (Top) and GTX 470 (Bottom)

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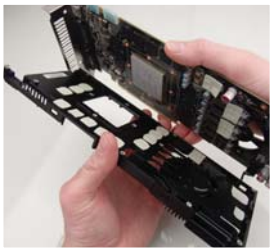
There are a small number of locking tabs around the edges of the plastic fan enclosure. Carefully depress these with a large flat screw driver to free the outer half of the fan enclosure.



Carefully remove the GPU heat sink, followed by the card heat sink. Original thermal paste may present resistance during removal.

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 Area

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).

Two different sets of heat transfer pads are included. Each set has a different thickness, and one should be chosen that offers best contact with your video card.

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.

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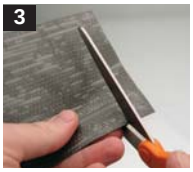
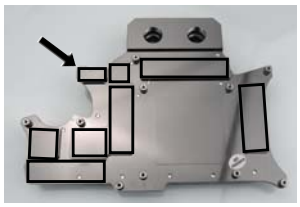
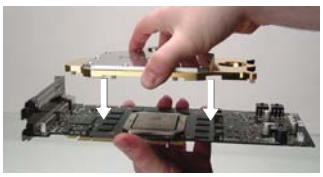


The thermal pad sheet should be cut into pieces required for your video block contact areas. Please use the diagram included with your water block to determine the approximate sizes that will be needed.

Basically, any area of the video card in contact with the original heat sink will need new heat transfer material. Place heat transfer pads on the corresponding areas of the Koolance water block.



Place the Koolance block onto the video card so the mounting screws will align.



(VID-NX480 Only) The included LED cable can be connected to the GTX 480 fan header.

Slide each LED light into the small receptacles in the edge of the acrylic water block body. A small drop of hot glue can help hold each LED in place.

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Using the Koolance-supplied screws and plastic insulating washers, tighten each screw on the reverse side of the card.

Koolance-Supplied Screw and Insulating Washer

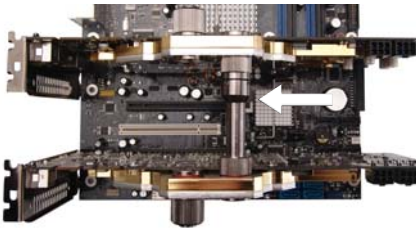
Two G1/4 "plugs" are included with the VID coolers which can be placed opposite the desired nozzle locations.

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.

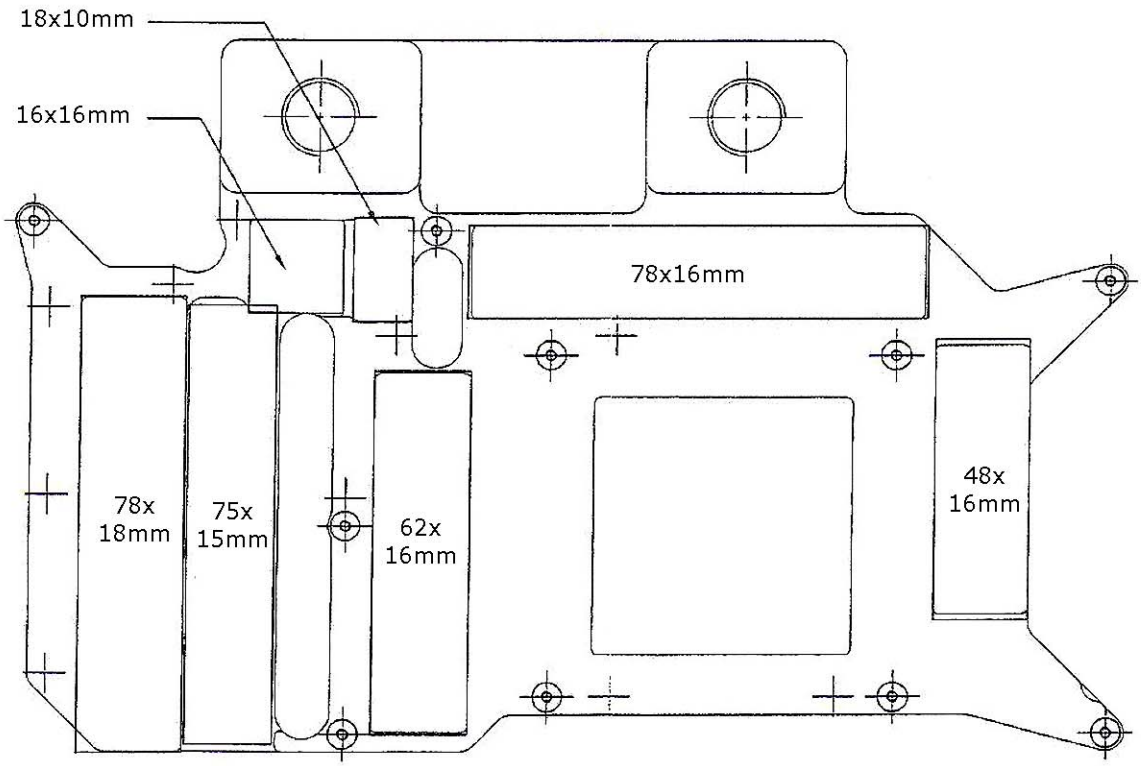
Connecting VID Coolers in SLI or CrossFire

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 Two-Three Slot (CNT-VDA34) and One Slot (CNT-VDA2) Video Connectors



Koolance VID-NX480



Koolance VID-NX470