

# 1 KOOLANCE VID-NX295 Installation Guide v 1.0

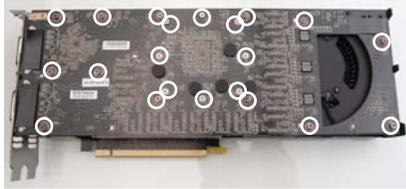
NOTE: The video card should be removed from the chassis in order to install this cooling device.

**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. Installation of water cooling products is done at the user's own risk.

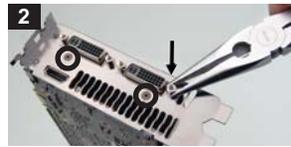
The initial screws holding the video card enclosure together should be removed first. There should be about 6 of these on the bottom and top edges of the video card.



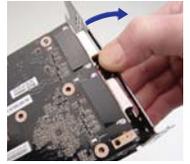
Gently pry apart the front half of the enclosure.



Remove all front and back mounting screws from both video boards. There should be about 21 screws on each side.



Unscrew all four DVI port hex nuts on the rear L-bracket. There are also 2 additional screws here to remove.



Gently bend the rear metal L-bracket just enough to free the front video board's DVI ports. The L-bracket can remain screwed to the opposite board during this process.

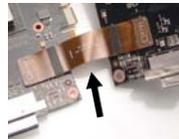
The heat sink and fan can now be **carefully** removed from both video boards. Original thermal paste may present additional resistance while removing the heat sink.



Removing the front side video board



Removing the back side video board

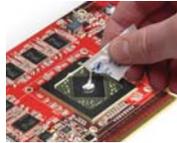


Both data ribbons should remain connected to both video boards. If either comes loose during disassembly, reconnect the ribbon to the appropriate plug.

Unplug the heat sink fan wire. Remove the original memory and VReg thermal pad material, and wipe any residual paste from the main GPU chipsets. Do this for both video boards.

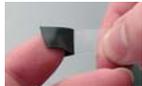


Thermal paste is only required on the two main GPU's. The other areas will utilize the included heat transfer pads.



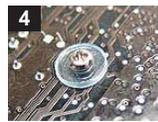
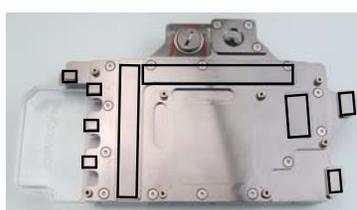
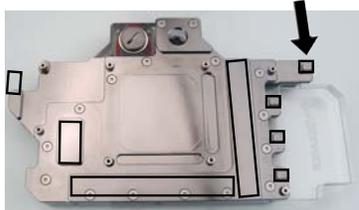
Spread thermal compound on the GPU thinly and evenly using the included paste packet, or a piece of thick paper (such as a business card). Thermal paste should not be placed on the surrounding metal support frame or any small surface soldered components.

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. The thermal pad sheet must be cut into pieces required for your video block contact areas (shown below).



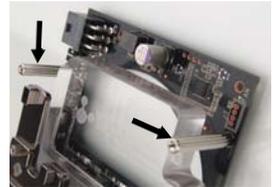
Thermal pads may have plastic film on *one or both sides* that must be removed before application.

Place heat transfer pads to cover each additional area cooled by the Koolance liquid block. This includes memory rows and power/VReg areas on both video boards. Thermal pads can be cut to accommodate different shapes.

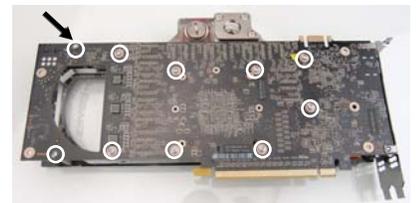


During reassembly, use the Koolance-supplied screws and plastic insulating washers on the top and bottom boards.

Place the two included metal support posts between video boards during reassembly, which take the place of the original plastic posts. These are attached using the Koolance-provided screws and washers.



Attach the Koolance water block to the rear video board (the one with the L-bracket). Only 10 screws are required per side, including those holding both metal support posts (see right image).



Lay the remaining front video board over the water block, and tighten with screws. The same 10 screw positions are used on the front video board.

Replace the DVI port hex nuts and both screws.



Koolance's water block includes a small strip of blue LED lights. This can optionally be installed to illuminate the water block.

For power, connect this LED strip to the video card's original fan plug. Then slide each LED light into the small receptacles in the bottom of the acrylic water block body. A small drop of hot glue can help hold each LED in place.