

1 **KOOLANCE** VID-400-L06 Installation Guide v 1.0

NOTE: The VID-400-L06 is designed for **GeForce 7950GX2** cards. The video card should be removed from the chassis in order to install this cooling device.



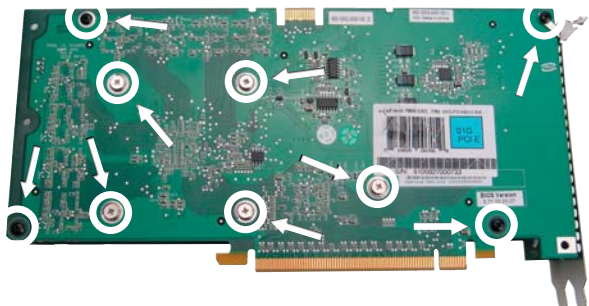
CAUTION: Removal of the original heat sink may void your manufacturer's hardware warranty. Please consult the manufacturer if unsure, and keep all original parts in case of a return/RMA.



Most cards using the VID-400 are disassembled the same way, although screw holes and heat sink assemblies of any given model can vary.

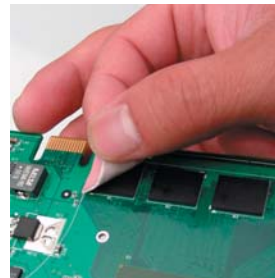


The mounting screws on the bottom side should be removed first. There may be 9 or more of these on your video card.



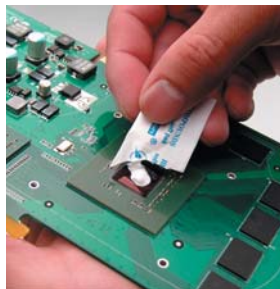
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Carefully separate the two video circuit boards. The metal L-bracket and video interconnect must be paid attention to during this process to avoid card damage.



The remaining heat sink can now be removed via its mounting screws. (Unplug the fans for both video boards.)

Finally, remove all video RAM thermal material.



Thermal paste will be required on both GPU chipsets, all 16 RAM modules, and the PCI-Express controller chip (on the main board) after removing both original heat sinks.

Apply a small amount to each chip, taking care to *coat only the raised center core*. The low outer portion of the chipsets do not require thermal paste.

Spread the thermal compound thinly and evenly to cover each chip using the paste packet, or a piece of thick paper (such as a business card).



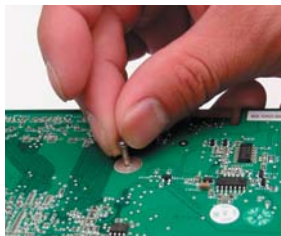
This must be done for both video boards.

3

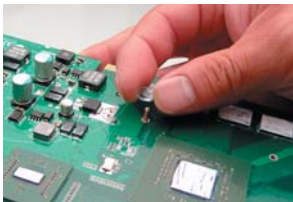
Remove all hardware nuts, washers, and metal posts from the Koolance VID-400 coolers.

Perform the following process for 9 total mounting pegs on both video boards:

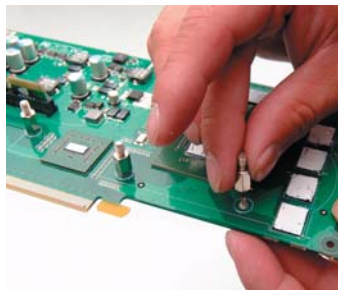
1. Insert a mounting screw into the back side of the video board using an original heat sink mounting hole.



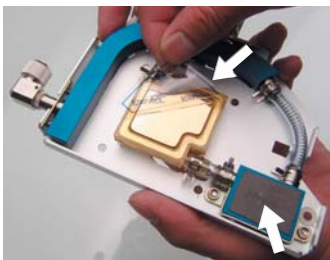
2. On the front of the card, place a plastic insulating washer over the mounting screw.



3. Above the washer, hand-tighten a metal mounting post to the screw.

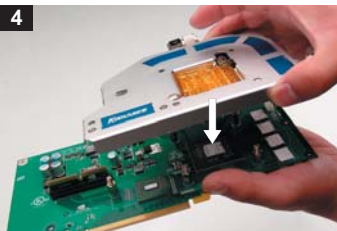


These steps are done for all 9 mounting pegs (5 on one video board, 4 on the other).



Remove the protective film from the bottom of both chipset coolers, and the PCI-Express controller chip (on the main cooler only).

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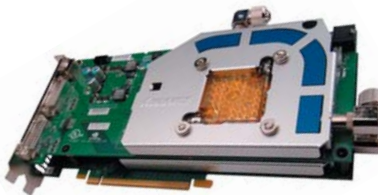


Mount both Koolance coolers to their respective video boards.

Hand-tighten the mounting nuts firmly to all 9 metal posts on both boards.



Lastly, recombine the 7950GX2 video boards by performing the original disassembly steps in reverse.



NOTE: Video card RAM chips are not perfectly flat with one another. To make sure your cooler is making the best contact possible for your card, remove the cooler and examine the distribution of thermal paste.

A missing or inadequate "spot" might be corrected by further tightening a top mounting nut (gradually), or applying more thermal paste to the chip.

