

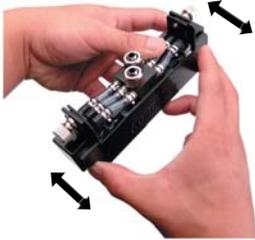
1 **KOOLANCE** RAM-30 Installation Guide v 1.0



CAUTION - Koolance Hydra-Pak™ Coolers are puncture *resistant*, but not puncture *proof*. To avoid rupturing your Hydra-Pak™ Cooler, it is recommended to carefully cover any excessively sharp areas (for example, solder points) on your hardware with small pieces of foam or electrical tape.

3rd-party liquid cooling products are not generally supported by hardware manufacturers. Installing a Koolance liquid cooling product is ultimately done at the user's own risk.

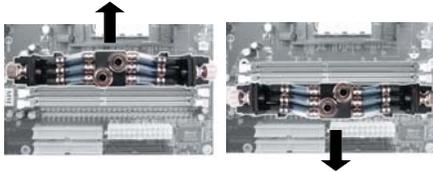
The RAM-30 will cool one or two DIMM memory sticks. When cooling two, the sticks must be in adjacent slots because the cooler will not expand any wider.



The RAM-30 features width adjustment, which allows adequate contact pressure for the memory modules once installed.

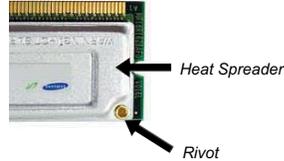
Before installation, the cooler should be extended to its maximum size. To do this, loosen both thumb screws and slide apart the moveable outer plate.

By design, the RAM-30 cooler is not symmetrical. The top hoses lean toward one side, which should face away from the opposite memory banks when installed. This provides room for additional memory sticks, or a second RAM-30 liquid cooler.



The RAM-30's mounting direction should face away from the opposite memory banks.

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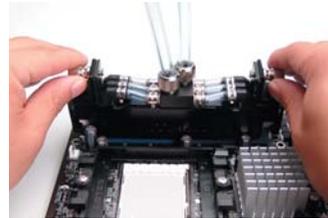
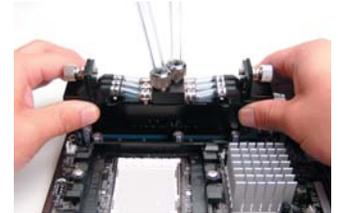
Your computer memory may come with a heat spreader. If these are riveted, do not attempt to remove them. Most will still fit within the cooler. However, if the heat spreader uses clips (and can be removed without damaging the memory), then you may do so.

When the RAM-30 liquid cooler is installed, each DIMM memory stick should rest between two sheets of the Hydra-Pak (not between the Hydra-Pak and the outer plate).



The mounting brackets on both ends of the RAM-30 cooler fit below the hinged DIMM latches.

With the RAM-30 cooler properly placed over the memory, gently squeeze together the outer plates.



Tighten both RAM-30 thumb screws to hold the cooler and outer plates to the memory banks.