

1 KOOLANCE HD-60 Installation Guide v 1.0



CAUTION: Use of 3rd-party cooling products may void your manufacturer's hardware warranty. Please consult the manufacturer if unsure, and keep all original parts in case of a return/RMA.



CAUTION: An encapsulate bi-pack can be used once per drive model. Koolance recommends formatting and installing software onto a new hard drive to verify a drive defect before installing the water block. Additional thermal encapsulate is available from www.koolance.com.

About Thermal Encapsulate

Once mixed, the dual-pack of thermal encapsulate material will serve as the heat transfer pad between your hard drive and cooling block.

The material can be peeled-off after it has fully dried (about 5 days later). Most hard drives may be used while the encapsulate is drying.

For easier removal of the thermal encapsulate, Koolance recommends first covering the hard drive's bottom side with thin plastic wrap. This should be left in place during cooling block installation and use.



3 Applying Thermal Encapsulate

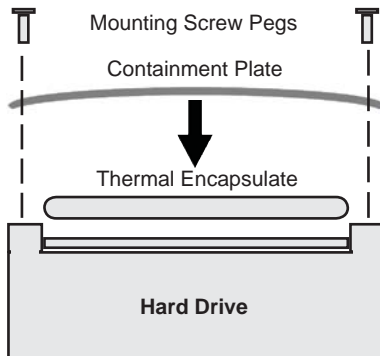
Using the mixing utensil, apply the encapsulate to the largest heat-producing components: the spindle motor and primary circuit chips on the bottom side of the drive.



Mounting the Containment Plate and Cooler



Use the included screw pegs to mount the containment plate over the encapsulate on the bottom side of the hard drive. This will enable easy removal or swapping of the hard drive from the cooling block.



2 Mixing Thermal Encapsulate



Fold the dual-pack of encapsulate in half, and cut a corner across, so that both compounds can be squeezed-out together.

Compress the pack over a sheet of paper until the contents are empty.



Using a spoon or mixing utensil, stir the encapsulate like paint until it is one complete solid color.



CAUTION: Some hard drives have "breather ports" on their bottom sides. These areas should be given clearance when applying thermal encapsulate to avoid sealing them. Alternatively, a small channel could be cut sideways into dried encapsulate to allow outside air to reach this hole.



If present, make sure to keep hard drive breather ports clear of thermal encapsulate.

4

There is a simple latching mechanism on the rear side of the HD cooler to hold drives in place.

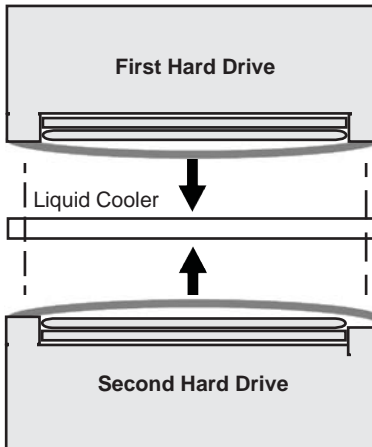


Rotate this latch horizontally in the appropriate direction to remove a drive individually.



Rotate this latch in a vertical position to lock both sides of the cooling assembly (prior to chassis installation).

Hard drives mount to the cooling block by sliding their four screw pegs into the locking grooves.



Attaching a Second Hard Drive

With an optional Koolance "Second Hard Drive Kit", the HD-60 can be sandwiched in between two hard drives for dual cooling. Installation is identical to the first hard drive.

The second drive is mounted upside-down to the cooler.