

This product is intended for installation only by expert users. Please consult with a qualified technician for installation. Improper installation may result in damage to your equipment. EK Water Blocks assumes no liability whatsoever, expressed or implied, for the use of these products, nor their installation. The following instructions are subject to change without notice. Please visit our web site at www.ekwb.com for updates. Before installation of this product please read important notice, disclosure and warranty conditions printed on the back of the box.

Before you start using this product please follow these basic guidelines:

1. **Please carefully read the manual before through before beginning with the installation process!**
2. **Place components on the clean, static free environment in order to prevent any possible damages to your RAM and/or motherboard's circuit board (PCB).**

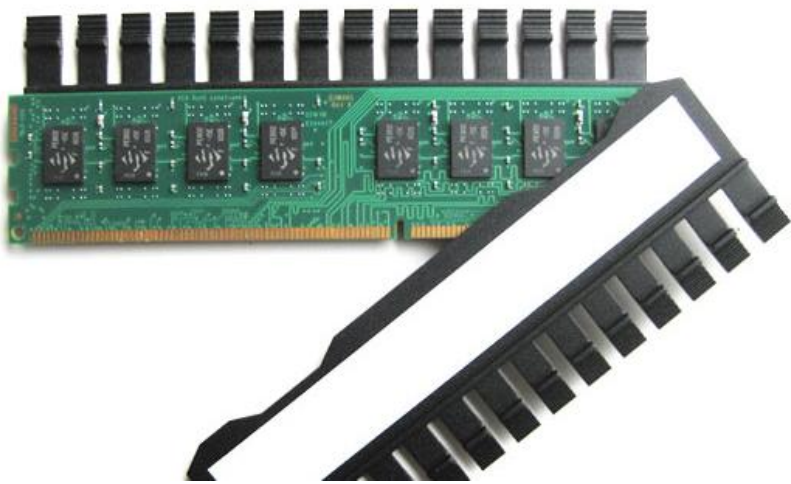
STEP 1: GENERAL INFORMATION.

EK-SF3D Triple Point EVO is a high performance system memory (RAM) liquid nitrogen evaporation cooler for competitive overclockers. Used in conjunction with up to four Module Adapters this unit allows extreme overclocking of virtually any (DDR-)SDRAM memory module (of any generation). Below is the sample photograph of DDR3-SDRAM DIMM memory module without heat-spreader.



STEP 2 (optional): REMOVING THE FACTORY INSTALLED HEAT-SPREADERS

In case your DIMM memory modules are equipped with heat spreaders by default it is mandatory to remove those prior to continuing the installation process. Because there is no prescribed standard on how the heat spreader should be attached to the memory module, many methods are used, most common being self-adhesive tape between the heat spreader and memory IC.



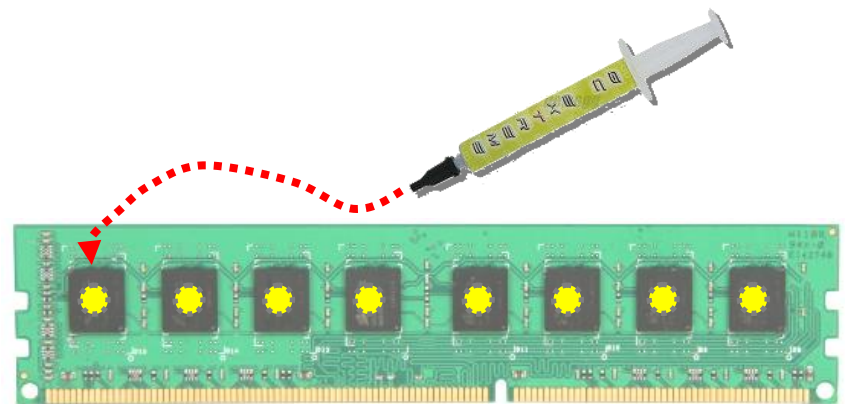
Carefully remove the factory installed heat spreaders using screwdriver, sharp blade or heat, depending on the type of assembly.

Wipe off the remains (by using non-abrasive cloth or *qtip*) of the original thermal compound or adhesive tape until the components and circuit board are completely clean. EKWB recommends the use of denatured alcohol for removing such leftovers.

PLEASE NOTE: Removing the factory heat spreader may void your warranty!

STEP 3: APPLYING THE THERMAL PADS

Drop a small blob of enclosed Gelid GC-Extreme TIM onto each RAM IC chip. Repeat the procedure for the IC on the back side of the PCB.



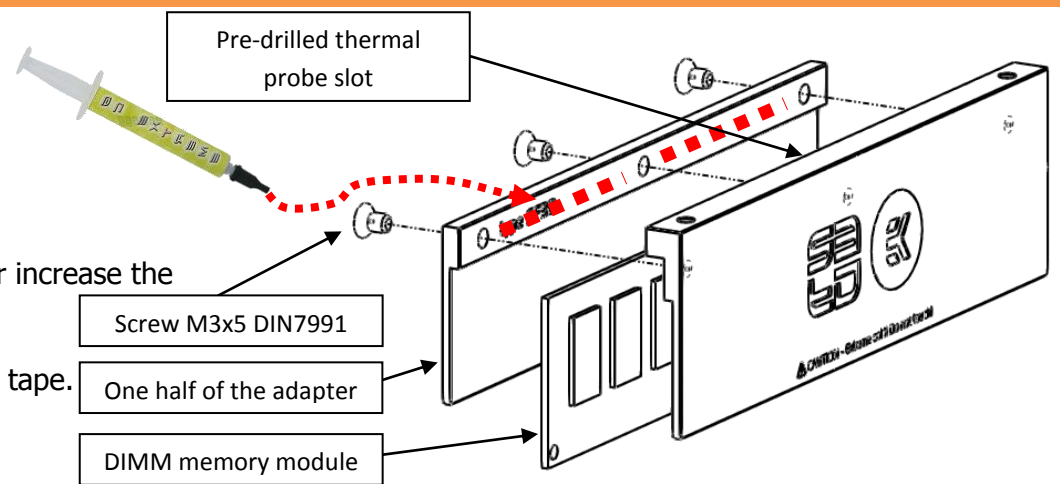
STEP 4: INSTALLING THE EK-SF3D TRIPLE POINT EVO MODULE ADAPTERS

Sandwich the memory module gently between the both halves of the EK-SF3D Triple Point EVO Module Adapter while making sure the holes line up. Install each adapter in such way the side locking latch will not be obstructed. Use enclosed M3x5 DIN7991 screws and 2mm Allen key to secure the memory module in the EK-SF3D Triple Point EVO Module Adapter.

You may add thermal grease to one side of the Module Adapter to even further increase the performance of the unit.

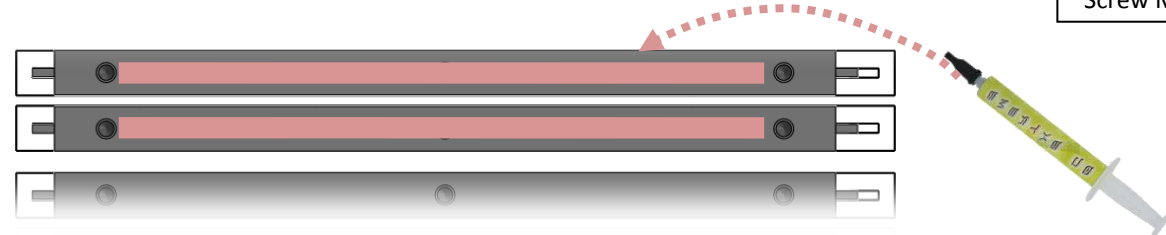
This is also a good time to install thermal probe. Tape the wire with the scotch tape.

Do not use excessive force as you might strip the threading in the soft aluminum body. Repeat the step with the second module adapter.



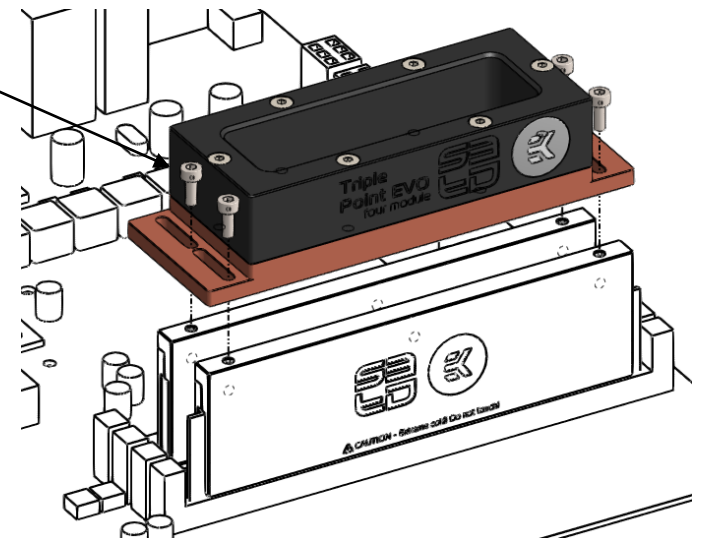
STEP 5: INSTALLING EK-RAM MONARCH ON EACH MEMORY

Prior to continuing to STEP 5 we recommend users to consult EK-RAM Monarch installation manual. Apply thermal grease as requested in STEP 5 of the aforementioned manual.



During this process please make sure you align holes on PCB with holes on block. By using 2mm Allen key screw in the M3x6 ISO7380 screws (enclosed with each EK-RAM Monarch Module). Do not tighten the screw completely until you have aligned all memory modules as straight as possible.

Apply thermal insulation, cool down the EK-SF3D Triple Point EVO and enjoy extreme overclocking!



REQUIRED TOOLS:

(none)