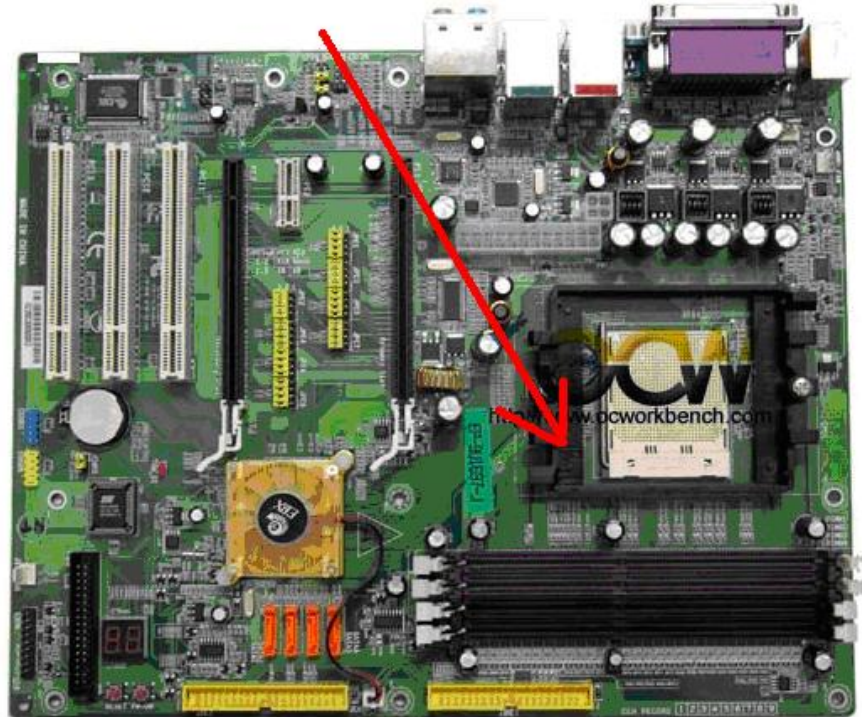


## Installation and mounting instructions for **EK-Wave** water block:

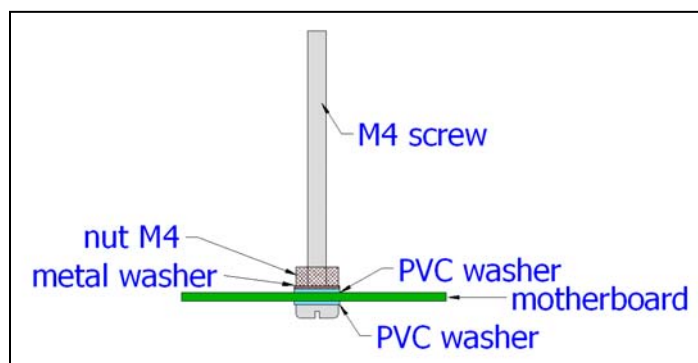
This product is intended for expert users. Please consult with a qualified technician for installation. Improper installation may result in damage to your components. EK Water Blocks assumes no liability whatsoever, expressed or implied, for the use of these products, nor their installation. The following instructions are subject to change without notice. Please visit our web site at [www.ekwaterblocks.com](http://www.ekwaterblocks.com) for updates.

**Step 1.** Remove your motherboard from the computer.

**Step 2.** Remove plastic frame around the CPU area.



**Step 3.** Install the long M4 screw with PVC washer, metal washer and M4 nut as seen on picture 1. **If you have a K8 compatible motherboard they are shipped with AMD's validated plastic retention frame and metallic back-plate.** Remove the plastic retention frame and keep the metallic back plate when installing the M4 screw. Otherwise the use of back plate is advised for all sockets.



*Picture 1: Instalation of long M4 screw.*

**Step 4.** Apply thermal compound: lightly coat the CPU with for example C eramique™ thermal compound. Follow this link [http://www.arcticsilver.com/ceramique\\_instructions.htm](http://www.arcticsilver.com/ceramique_instructions.htm) for detailed instructions.

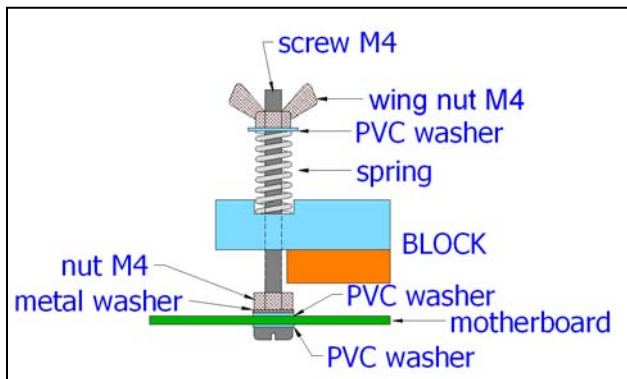


← Rub some compound in base of water-block first, and then clean off with lint-free cloth.

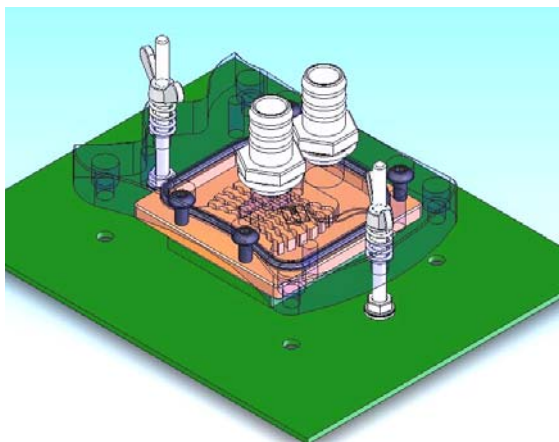
Apply small → amount of compound on the CPU or CPU heat spreader.



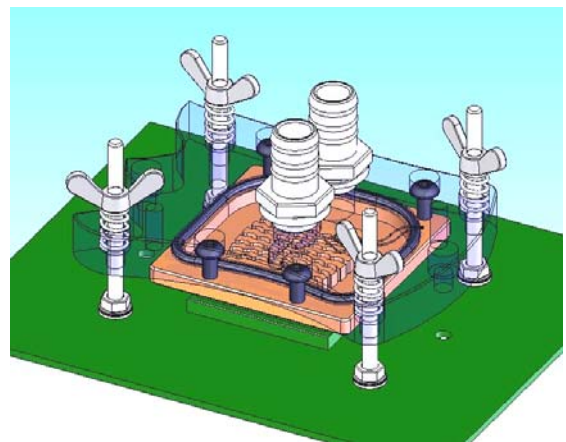
**Step 5.** Place the CPU water block as picture 3 and 4 shows and place spring, PVC washer and wing nut.



Picture 2: Installation the water block on long M4 screw.



Picture 3: Installation for AMD sockets 754, 939, 940.



Picture 4: Installation for socket LGA 775 & 478.

**Step 6.** When you feel the grip of wing nut, turn all wing nuts **the** same number of turns (1 turn = 360°) as follows for different processors **types**:

- **AMD XP socket A** (4 wing nuts): **2 turns each**
- **AMD sockets 754, 939, 940** (2 wing nuts): **5 turns each**
- **Intel Pentium socket LGA 775** and **socket 478** (4 wing nuts): **2,5 turns each**

**Step 7.** Connect the water-block(s) to the cooling circuit and attach the tubes: Carefully identify the direction of the flow in your circuit. For the EK-Wave to operate properly, the fitting located at the center of the water-block **MUST BE USED AS THE INLET**.

The EK-Wave series are shipped with high flow fittings. To insure the tubes stay properly on the fittings please use hose clamps or appropriate substitute. The use of an algaecide is nonetheless recommended in any liquid cooling system.

#### **VERY IMPORTANT NOTICE**

Once the installation is completed, it is always a good idea to test the circuit for leaks, prior to powering up the computer. We recommend a 24 hour leak test prior to powering up the computer. Do not test the water block using city water pressure. This will bow the top of the housing and render the block unusable (and will void your warranty).

#### **IMPORTANT DISCLOSURES:**

While all efforts have been made to provide the most comprehensive tutorial possible, EK Water Blocks assumes no liability expressed or implied for any damage(s) occurring to your components as a result of using EK Water Blocks cooling products, either due to mistake or omission on our part in the above instructions, or due to failure or defect in the EK Water Blocks cooling products.

#### **WARRANTY:**

Our products are guaranteed for 24 months from the date of delivery to the final user against defects in materials or workmanship. During this period, they will be repaired or have parts replaced provided that: (I) the product is returned to the agent from which it was purchased; (II) the product has been purchased by the end user and not used for hire purposes; (III) the product has not been misused, handled carelessly, or other than in accordance with any instructions provided with respect to its use. This guarantee does not confer rights other than those expressly set out above and does not cover any claims for consequential loss or damage. This guarantee is offered as an extra benefit and does not affect your statutory rights as a consumer. **The guarantee is not valid if there are used aggressive UV additions.**