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.

**STEP 1: GENERAL INFORMATION** Sample photo of MSI X370 XPower motherboard

---

**STEP 1: PREPARING YOUR MOTHERBOARD**

**REMOVING STOCK COOLER.** Remove all encircled screws. There are 4 screws on the back of the motherboard that need to be removed in order to remove the factory installed MOSFET cooling solution. Additional 4 screws need to be removed to remove the plastic I/O. Please store the removed material away for later use.

**1. CUTTING THERMAL PADS.** Your block comes with thermal pads which needs to be trimmed in order to fit the voltage regulation area (MOSFET) on the motherboard’s circuit board. **WARNING: DIMENSIONS ON PICTURES BELOW ARE SCALED.**

**2. PLACING THERMAL PADS ON MOTHERBOARD.** Place thermal pads on PCB as shown on the picture. **PLEASE REMOVE THE PROTECTIVE FOIL FROM BOTH SIDES OF THE THERMAL PADS PRIOR TO INSTALLATION!**

---

**BAG CONTENT:** Bag content is universal for all water blocks, you may not need all screws.

<table>
<thead>
<tr>
<th>Component</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>M2.5x5 AXI</td>
<td>5 pcs</td>
</tr>
<tr>
<td>M2.5 PVC washer</td>
<td>5 pcs</td>
</tr>
<tr>
<td>M2.5 adhesive</td>
<td>5 pcs</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Component</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thermal grease</td>
<td>1 pc</td>
</tr>
<tr>
<td>M3x10 D/IN7964</td>
<td>5 pcs</td>
</tr>
<tr>
<td>2mm Allen key</td>
<td>1 pc</td>
</tr>
</tbody>
</table>

Replacement mounting mechanism FB X370 HB (EAN: 3831109872370)

All disclosures, notices and warranty conditions are being written on EKWB web page. Please check terms of use.  Revision 1.0. Published on June 1st 2017
STEP 2: PREPARING YOUR MOTHERBOARD

APPLYING THERMAL COMPOUND. Apply thermal compound on CPU heat spreader (IHS) - see sample photo on right with enclosed EK-TIM Ectotherm thermal grease.

The quantity of about two rice grains is just about right. There is no need to cover the whole IHS. Applying too much thermal grease will have negative impact on the cooling performance!

STEP 3: PLACING THE BLOCK ON TO THE MOTHERBOARD

Install four (4) M2.5 self adhesive PVC washers under marked standoffs as shown on the picture below.

STEP 4: ATTACHING BLOCK ON TO THE MOTHERBOARD

Prior to fastening the screws please make sure the mounting holes on the motherboard's circuit board are aligned with the water block.

A) Mosfet part: Use four M2.5x5 AX1 screws. Tighten the screws evenly. Do not use excessive force when tightening the screws!

B) CPU part: Use four M3x10 DIN7984 screws with backplate and protective pad. Tighten the screws using enclosed 2mm Allen key.

STEP 5: CONNECTING THE RGB LED STRIP (optional)

Plug the 4-pin connector from Monoblock RGB LED strip to the motherboard. Please ensure that the arrow indicated on the connector is plugged into the 12V line as indicated on your motherboard. Failure to do so will damage your motherboard or LED strip.

For the EK-FB MSI X370 XPower Monoblock series water block to operate properly the G1/4 port nearest to the right edge of the water block **MUST BE USED AS THE INLET PORT**. EK recommends the use of EK-ACF fittings. When using fittings other than EK-ACF series please use hose clamps or appropriate substitute to secure the tubing to the barb. The use of biocide containing and corrosion inhibiting coolant is always recommended for any liquid cooling system.

REQUIRED TOOLS AND MOUNTING SCREWS:

- scissors
- Phillips screwdriver
- Allen key