

MCW5000-A™ WATER-BLOCK

Installation Guide

Parts list

Parts	QTY	PARTS	QTY
MCW5000-A™ assembly	1	Arctic Alumina Thermal compound	1
Tube inserts	4	Tube removal tool	1

This product is intended for expert users. Please consult with a qualified technician for installation. Improper installation may result in damage to your components. Swiftech 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.swiftnets.com for updates.

1. **Before you install the MCW5000-A™ water-block:**

a. **Prepare two pieces of tubing** of sufficient length to connect to the rest of your circuit. The cuts must be square as shown in figure 1 or leaks may occur:

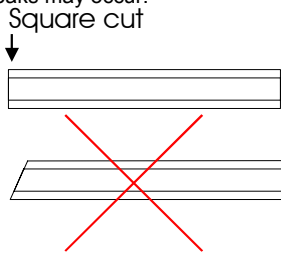


Figure 1

b. **Install the provided plastic tube inserts** at each end of the tubes, as shown in figure 2: these inserts are absolutely **imperative** when using any kind of **soft** tubing, such as vinyl, ClearFlex, Taigon, etc...



Figure 3

c. **Spread a little bit of grease** (Vaseline etc..) around the tubing. It helps pushing the tubes in, particularly with Clearflex™ tubing, which features a very “sticky” surface.



Figure 4



Figure 5

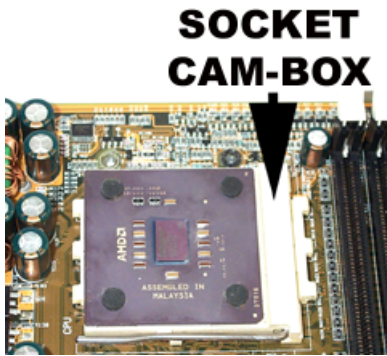
d. **Fully insert both tubes into the fittings.** The tip of the plastic tube inserts should be flush with the inlet and outlet openings, as shown in figure 4 above. Inserting the tubes requires a firm push, accompanied by a twisting motion.

2. **Preparing your Motherboard**

- Remove the existing heat sink
- Carefully clean the CPU.
- Lightly coat the CPU with the provided thermal compound. **Only a paper-thin coat is necessary.** It should be applied using preferably a razor blade, or a credit card, held between thumb and index at a 45-degree angle.

3. **Installing the MCW5000-A™ water-block with AMD® socket 462 processors:**

Follow steps on page 2.



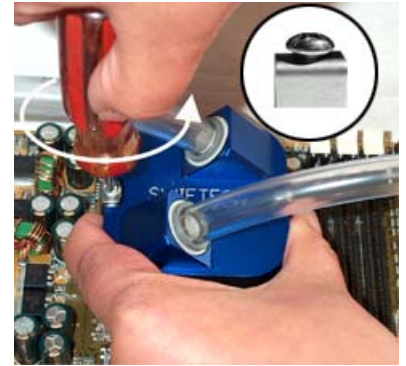
Step 1

Identify the orientation of the socket cam-box. This is critical for the next step.



Step 2

CRITICAL: A label is affixed to the side of the block entitled: "This side over cam-box". **YOU MUST orient the MCW5000-A in the direction pointing towards the cam-box, as indicated by the arrows on the label.** Then, place the block over the CPU making sure that the clips grab all 6 retention latches of the socket. (See note below regarding some motherboards)



Step 3

Loosen both screws (counter-clockwise) until the head of each screw clears the top of the clip by approximately 1/16" (1.5mm) as shown above. Once the head of the screw is no longer touching the top of the clip, the spring is under full tension. No adjustment is required, nor necessary.

Installation is complete!

IMPORTANT NOTE: Some motherboards (Asus in particular) feature a strip of plastic tape located directly underneath the socket latches. This plastic strip can be safely removed if necessary.

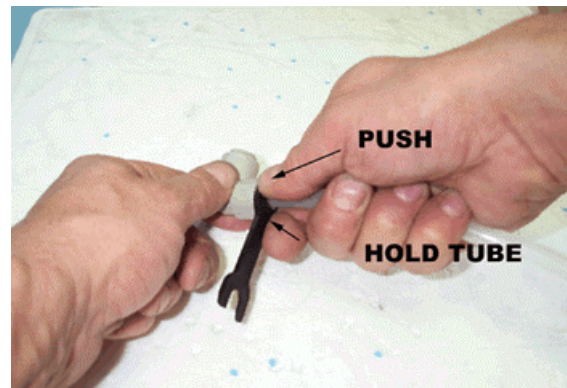
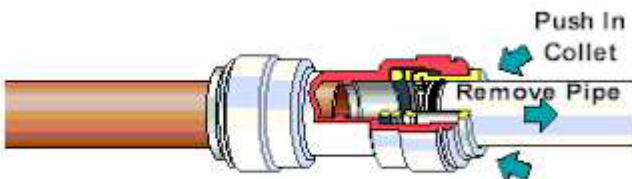
4. **Connect the block to the rest of the cooling circuit.**

The block is designed in such a way that it will bleed itself automatically in any vertical orientation (computer standing-up). Recommended coolant: distilled water+ algaecides & corrosion inhibitors are mandatory (automotive antifreeze).

5. **Final inspection**

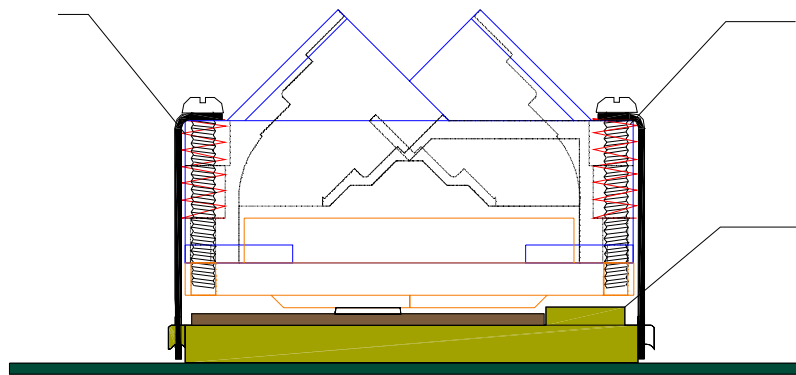
Once the installation is completed, it is **always a good idea to test the circuit for leaks, prior to powering up the computer.** Troubleshooting help is available on our web site at www.swiftnets.com, or by calling customer support at 562-595-8009.

Note concerning removal of the tubing: Push in collet squarely against face of fitting. A tube removal tool is provided with the MCW5000 block. With the collet firmly held against the face of the fitting, the tube can be safely pulled out. Do not attempt to pull the tube out without pushing squarely against the collet. This may result in damaging the fitting. Further details for using quick-connect fittings are also available here: http://www.johnguest.com/install_6.shtm#disconnect:



MCW5000-A CLIPS INSTALLATION

Stiff spring
(dark brown
color)



Soft Spring
(silver color)

Socket Cam box

Revision date: 9-30-03