

MCW5000-P™ WATER-BLOCK

Installation Guide

Parts list

Parts	QTY	PARTS	QTY
MCW5000-P™ assembly	1	Spring clips	2
Tube inserts	4	Arctic Alumina Thermal compound	1
Tube removal tool	1	Hex L-key	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-P™ 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:

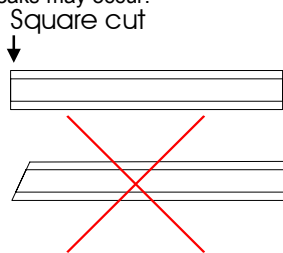


Figure 1

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 vynil, ClearFlex, Taigon, etc...



Figure 2



Figure 3



Figure 4



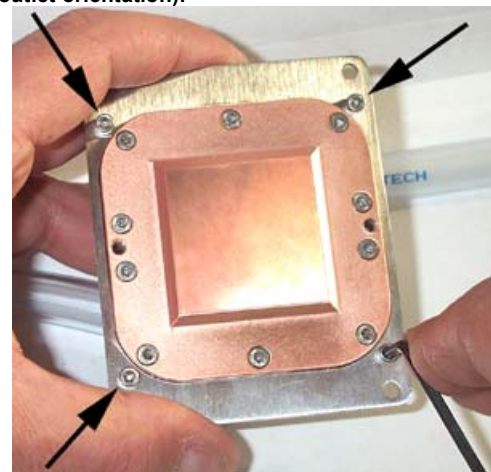
Figure 5

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.

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.

Block orientation (rotating the stainless steel frame to change the inlet/outlet orientation):

The MCW5000™ can be installed in any direction that suits your needs. Removing the 4 socket screws that attach the frame to the block will allow you to rotate the frame 90°, so that inlet and outlet face up and down instead of left and right. This doesn't affect the performance of the block, nor the ability to bleed it appropriately.



2. **Preparing your Motherboard**

- a. Remove the existing heat sink
- b. Carefully clean the CPU.
- c. 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-P™ water-block in Pentium® 4 socket 478 stock retention frame:**



Step 1

Position your block inside of the retention frame, and put both clips in place for the next steps, by simply slipping the non thumb-tabbed end of each clip in the retention frame's locking holes.



Step 2

While maintaining the opposite side of the block to prevent it from tipping over, push down on the thumb-tab to hook the first clip to the retention frame's locking hole.



Step 3

While still maintaining pressure on the block, hook-down the second clip. Installation is complete!

Removing the block: simply reverse the procedures described in steps 2 and 3 above.

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 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:

