



## Danger Den TDX and Maze4 Chipset Installation Guide

OK, so you're now the proud owner of nice new shiny Danger Den TDX and Maze4 Chipset water blocks. The fact that you chose Danger Den suggests that you are serious about water cooling and no doubt at this point you are eager to get the block installed. However we recommend at this stage you take a little time out to read the following guide that will ensure the safe and correct method of installing your hardware and should hopefully eliminate the risk of mistakes and the possibility of permanent damage.

**Firstly lets have a quick check of components included.**

1x RBX CPU Water Block  
4x 75mm Threaded Bolts  
4x Springs  
4x Thick Nylon Washers  
4x Brass Thumb Screws  
8x 8mm Steel Nuts  
12x Thin Nylon Washers

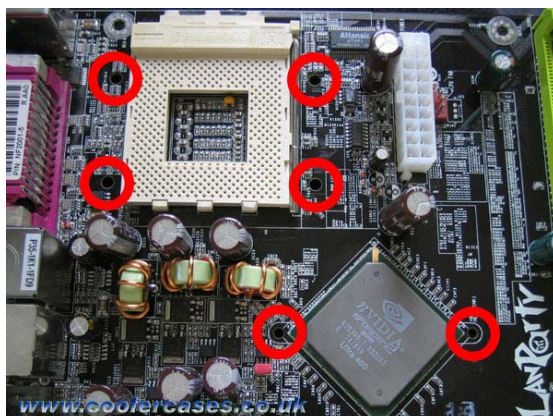
1X Maze4 Chipset Block  
2x 50mm Threaded Bolts  
2x Springs  
4x T Nylon Washers  
2x Nylon Washers  
2x Brass Thumb Screws  
4x 6mm Steel Nuts

Once you are satisfied that all component are present and correct its time to start the installation. It is worth clearing a good size area to work on and making sure you have all necessary components laid out at hand. The entire assembly is tool free though some pliers and/or a 6-8mm socket may be useful at a later stage. We also recommend the use of a good thermal paste such as Arctic Silver 3 or 5. Instructions on how to apply Arctic Silver can be found [here](#). In no circumstances should you even consider the use of thermal pads.

We will presume that your motherboard is already removed from your PC and that you have taken all necessary precautions regarding static electricity. If you are uncertain about this it may be worth grabbing hold of a metal tap or an unpainted part of a household radiator that will discharge you of any static electricity.

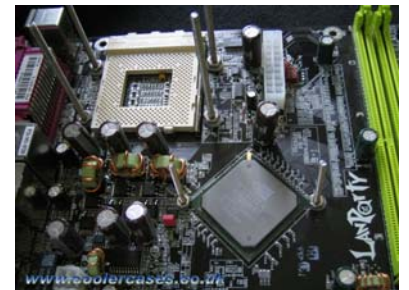
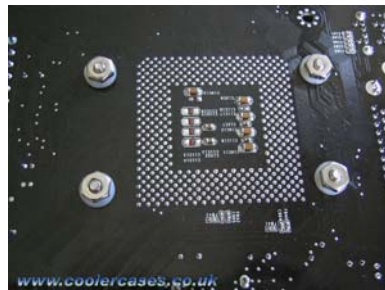
### Step 1. Getting Started

Screw 1 of the 8mm Nuts onto the Threaded Bolts so that there are a couple of threads of the bar showing followed by one of the Thin Nylon Washers. Repeat this on all 4 CPU Bolts and the same on the 2 Chipset Bolts. **Note:** It is imperative that you follow this very carefully and make sure you get the Nylon Washers in place to ensure the mounting hardware does not come into contact with any of the electrical components on your motherboard.



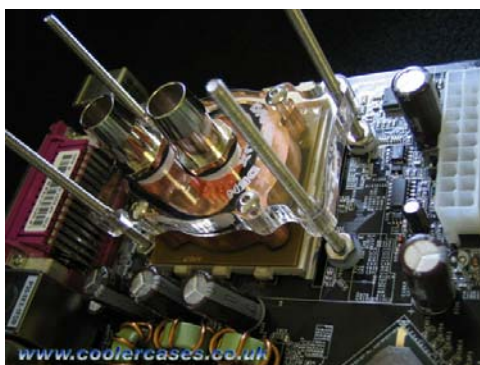
Next you will need to locate the 4 CPU and 2 Chipset mounting holes in your motherboard located just beside the CPU socket and Chipset. Identified by the red circles in the picture. This is where the threaded mounting bolts will be secured.

Take one of your Threaded Bolts and insert it onto one of the holes on your motherboard from back to front. On the longer threaded bar that protrudes out the front, slide another Thin Nylon Washer followed by another Nut. We did mention previously that the fitting of the block was pretty much tool free but you may wish to gently nip this up with an 8mm for the Chipset) socket being very careful not to over tighten or scratch any of the surrounding electrical components. You can now repeat this procedure with the other 3 Threaded Bolts for the CPU and 2 Chipset holes, taking care not to forget the Thin Nylon Washers on both sides of the motherboard. You may also wish to add a small amount of Loctite Threadlock 243 to the end of the Threaded Bolt to ensure the nut does not loosen over time but this is not essential.



## Step 2. Fitting The Blocks

OK you can now turn the motherboard face up and fit the CPU into the socket not forgetting to add Arctic Silver to the CPU core and Chipset, directions of which can be found [here](#).

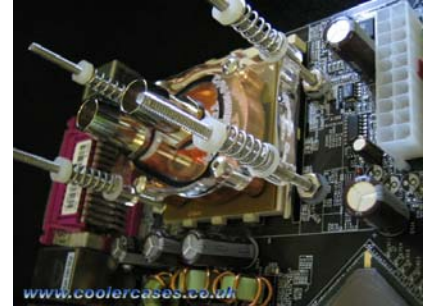


The nature of the TDX block means it can be orientated either way round and with some careful forward planning you will see which is better suited to your particular mother board in respect to the position of your Chipset thus eliminating the chance of kinking when attaching the hose to both blocks.

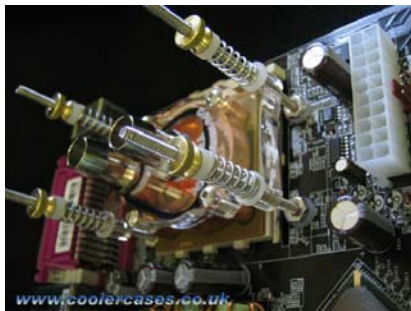
Once orientation is decided the block can now be slid gently down the 4 threaded rods into place so that it comes to rest on the 4 black rubber crush pads of the CPU.

### Step 3. Tightening Down

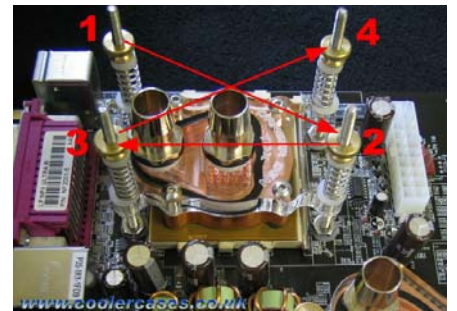
We can now add the rest of the hold down hardware. First a Thin Nylon Washer then a Spring followed by a Thick Nylon Washer and finally with the Brass Thumb Screw. Do this on all 4 Bolts but DO NOT tighten all the way just yet.



We now need to start slowly tightening the block down. This is done in a diagonal sequence 1 turn at a time to ensure the block is compressed onto the CPU core flush. Pick 2 diagonal corners (1 and 2 below) and give both a turn each. Now move onto 3 and 4 and give these a turn each.....now move



back to 1 and 2 and repeat. Carry on in this manner until the springs are compressed to approximately 10mm. This will give adequate pressure to hold the block firmly in place and ensure a good contact with the CPU core.



Once you are happy that the TDX block is secure you can move onto the Maze4 Chipset block which can also be slid down the 2 mounting rods the same as you did with the TDX block and then load the 2 threaded rods in the same fashion this time tightening both Brass Thumb Screws down in unison until your happy of a good secure but not over tight fit which should look then something like this.....



The two blocks are now mounted correctly and you are now able to start attaching the hose and linking up to the rest of you cooling system.

Alternatively you may already have the hose attached to the blocks while you ran leak testing away from the motherboard for example in which case you would apply exactly the same mounting method as above.

