

CPU-200 Cooler Installation Guide



The most prominent liquid cooler is also the easiest to install.

Apply thermal interface compound directly to the CPU die. Do not add more than is necessary to cover it with a very thin layer.

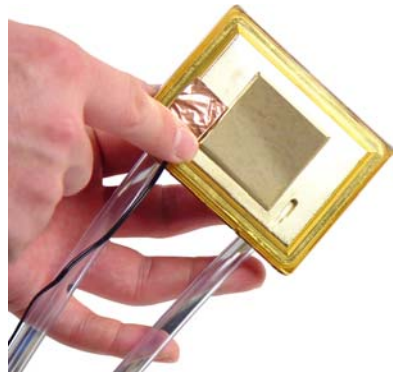
Remove the protective film from the bottom of the CPU cooler.



Insert the temperature sensor into *either* bottom groove on the CPU cooler.

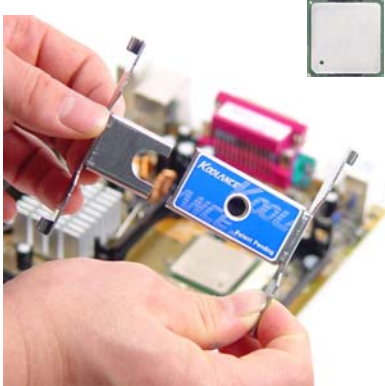
Apply metal tape to keep the temperature probe in place. Do not stick metal tape to the raised (polished) portion of the CPU cold plate.

You can use a zip-tie to further secure the temperature probe to the CPU tubing.

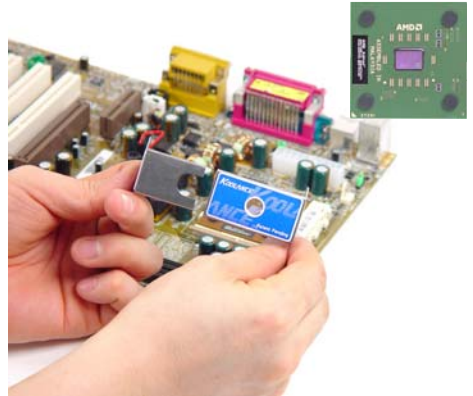


CAUTION: Be sure to attach the Koolance temperature probe to the CPU cooler during installation. The safety features of your system may not function properly without the correct placement of this probe.

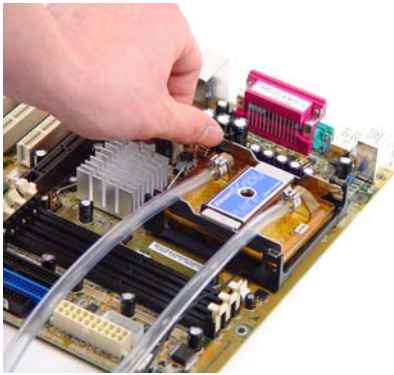
Assemble the CPU mounting bracket using the appropriate clips. The longer pair are for Intel P-4 processors; the shorter are for AMD Athlon/XP and Intel P-III processors.



Clips for P-4 socket 478



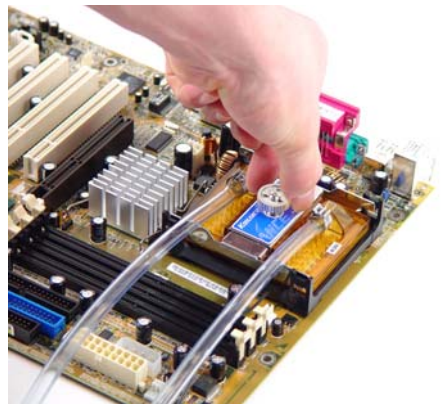
Clips for AMD socket 472
& P-III socket 370



Fit the cooler and mounting brackets onto the CPU socket. The bracket clips slide inward and outward to hook to the socket.

Check that the bracket clips are aligned before installing the tension screw.

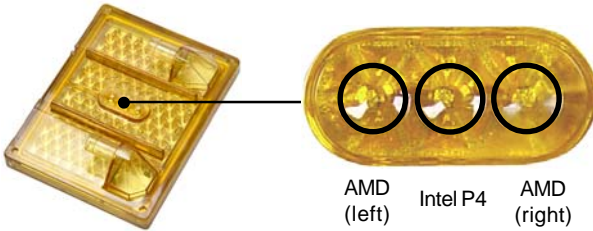
Insert and slowly twist the tension screw until it can no longer be tightened. Over-tightening is prevented by a ratcheting action.



There are 3 center receptacles on the CPU cooler. The tension screw must use the receptacle that best-aligns it over the processor die's center.



CAUTION: Installing the tension screw into the wrong cooler receptacle can cause insufficient cooler contact, and may result in hardware damage.



AMD
(left)

Intel P4

AMD
(right)

Many processor dies are not equidistant from one edge of the socket to the other. For most AMD processors, the left or right receptacles will be used, depending on which direction the CPU socket faces. For Pentium-4 processors, use the center hole.



Socket alignment for right AMD processors



Socket alignment for left AMD processors



Socket alignment for P-4 processors

