

Corsair Air Series A70/A50 Mounting Guide for Intel Systems



An illustrated guide to mounting the Corsair Air Series A70 and A50 coolers onto Intel based motherboards.

The Corsair Air Series A70/A50 CPU Coolers

If you're serious about high-performance computing, you already know that you've got to keep your PC's CPU cool. Cooling not only gives your CPU the headroom it needs for reliable overclocking... it can also extend the life of your valuable investment. And, you need something that not only significantly outperforms your CPU's stock heatsink, but does it quietly.



The Corsair A70 High-Performance CPU Cooler uses advanced thermal engineering technology to deliver superior air cooling performance: four 8mm copper heatpipes directly contact your CPU, and the surface is planed to increase heat transfer efficiency. Dual speed-selectable 120mm fans, mounted on rubber studs, spin quietly in a push-pull configuration for optimum airflow. Protect your valuable investment in your CPU, and enjoy faster overclocking performance.

Features

- Compatible with Intel and AMD systems
- Four 8mm copper direct-contact heatpipes
- Aluminum fins
- Low-noise, low-vibration 120mm fans mounted on rubber studs
- Selectable 1,600 or 2,000RPM allows you to select the cooling performance you want
- Two-year warranty

Designed to fit Intel LGA 775, LGA 1156, LGA 1366, AMD Core AM2, and AMD Core AM3 motherboards.

1

The Air Series—Mounting Parts

The A70 and A50 Air Series CPU coolers both use the same mounting methods and hardware for AMD and Intel motherboards. Mounting on both AMD and Intel boards is very simple and takes only a few minutes. For the Intel mount, you will need a Phillips head screw driver. The included parts are shown below and are also shown in the illustrated installation guide included with your cooler. The kit below is for the A70 and includes a second fan. The A50 kit includes same mounting hardware and a single fan.

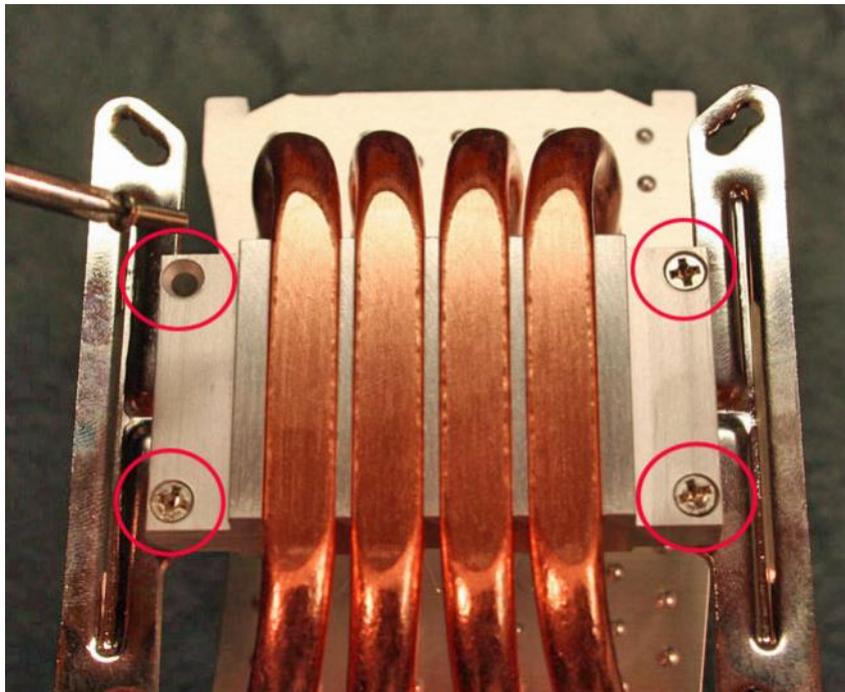


The Intel installation can be done with the motherboard mounted inside a case assuming that you have adequate access to the back side of the motherboard to install the back plate. Our illustrations are given with the motherboard outside the case.

2

Intel Mounting—Install the Top Plate

The Intel mounting mechanism requires attaching a top plate to the base of the cooler. Place the top plate over the top of the cooler base as shown below and install and tighten the 4 Phillips head screws.

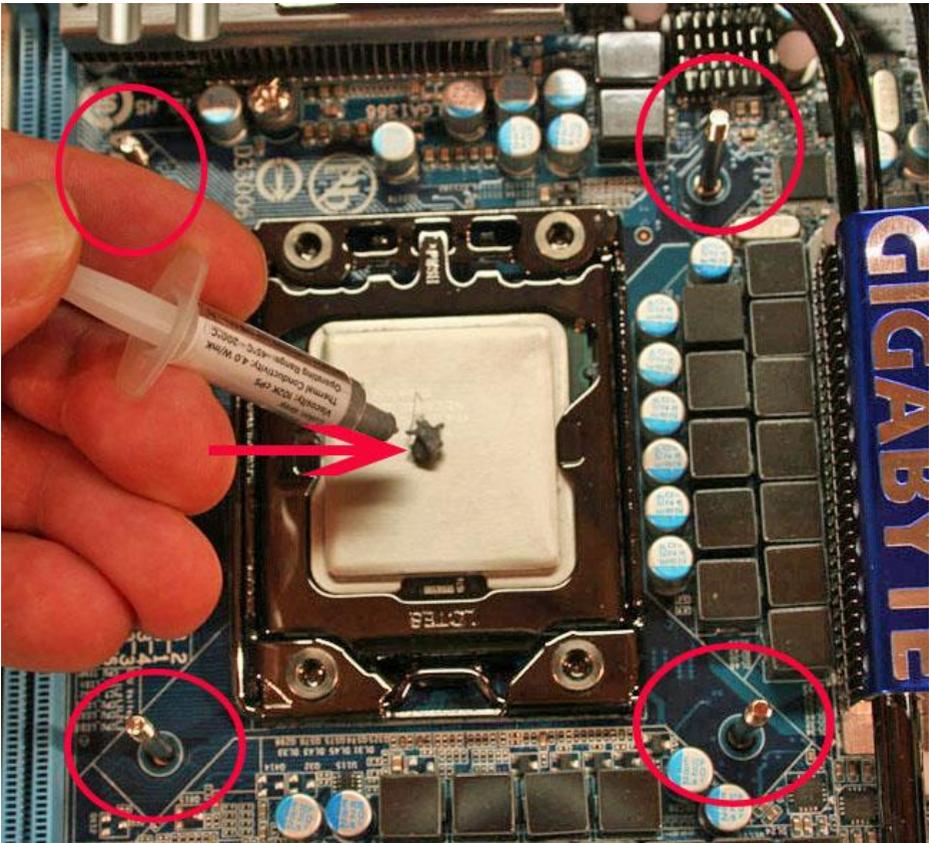


3

Intel TIM and Back Plate

We have included a tube of thermal interface material, or TIM, and you will need to apply a small drop of the material to the center of the Intel CPU as indicated by the red arrow. A drop the size of a small pea or grain of rice is sufficient.

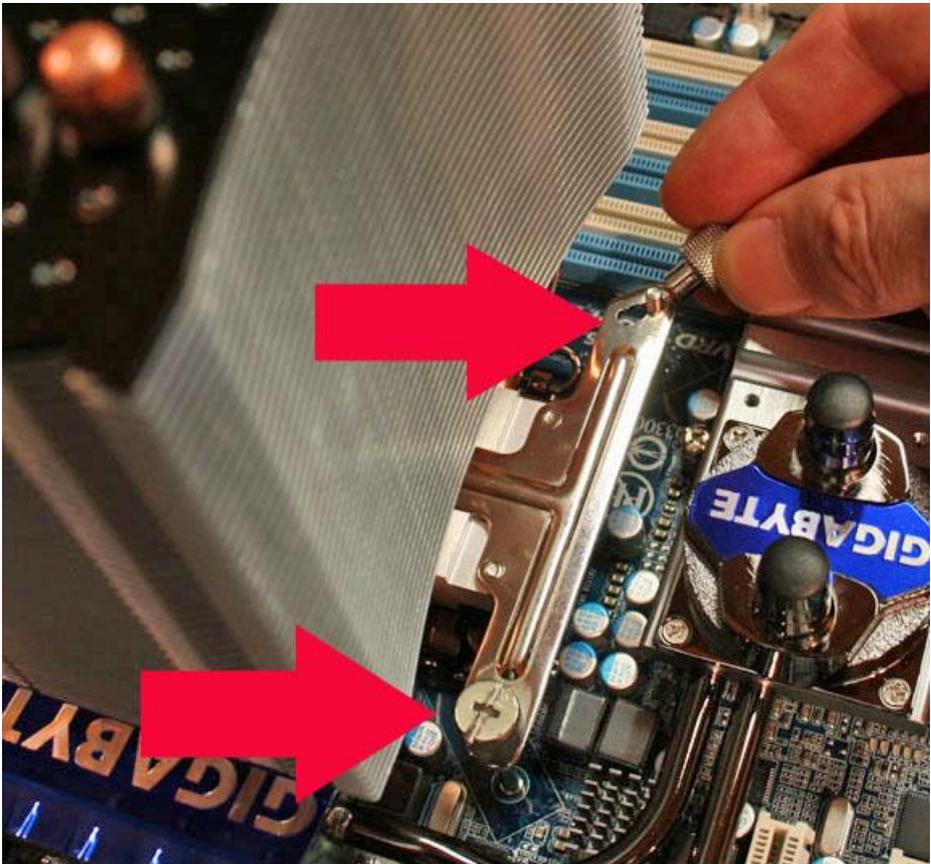
Also, you will need to install the back plate from the back side of the motherboard so that the 4 mounting posts, circled in red, protrude through the 4 mounting holes around the CPU socket. Be sure to leave the plastic insulator on the back plate to insulate the back plate from the back side of the motherboard.



4

Intel—4 Mounting Screws

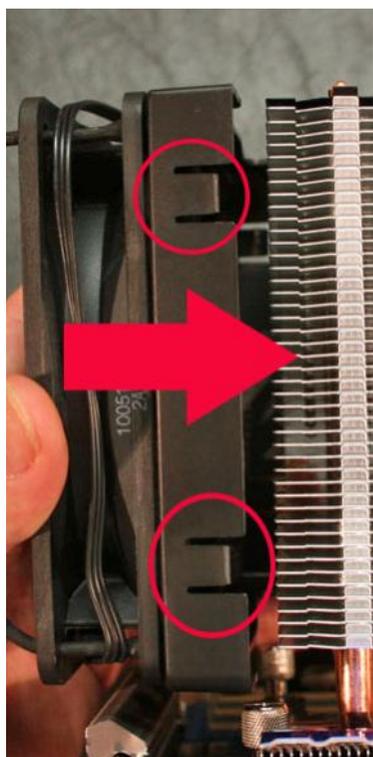
Sit the cooler in top of the CPU with the 4 mounting posts sticking through the 4 corresponding holes in the Intel top plate which is mounted to the base of the CPU cooler. Install the 4 knurled threaded nuts onto the 4 mounting posts. You may hand tighten them or use a Phillips head screw driver if needed. Tighten the screws until they bottom out on the threads on the mounting posts. Do not over tighten the screws. Your Air Series CPU cooler is now mounted.



5

Air Series Fan Mounting

Fan mounting is the same for the A70 and A50. Different motherboard layouts, chipset coolers, memory heat sinks, and other factors may influence the fan location. Each system will be unique so use your own judgment to determine the best position for your fan. Locking tabs on the plastic shroud on the fan click easily into a groove on the cooling fins. As seen below, a gentle push is all it takes. As previously noted, the A50 has a single fan while the A70 has 2 fans.



The locking tabs are circled in red. The groove into which they lock is indicated by the red arrow. Left is a before picture. Push gently and the locking tabs click easily into place as seen to the right. Repeat for a second fan if needed.



This guide is intended to supplement the instructions included with the A70 and A50 coolers. We would like to thank you for choosing Corsair Air Series CPU cooling. Please see our Resources page for additional information on the Corsair Air Series cooling products.

Resources

Corsair A70 Product Page:

<http://www.corsair.com/products/a70/default.aspx>

Corsair A50 Product Page:

<http://www.corsair.com/products/a50/default.aspx>

A70/A50 Mounting Guide—AMD

<http://forum.corsair.com/forums/showthread.php?t=90107>

Corsair Cooling Products Support Forum:

<http://forum.corsair.com/v3/forumdisplay.php?f=155>

Corsair Blog:

<http://blog.corsair.com/>

