Noctua NM-A90 Kit
Installation Manual

Thank you very much for choosing a Noctua cooler for your AMD system.

The NM-A90 mounting kit is compatible with NH-U12P SE2 and NH-U9B SE2 coolers and permits to install the coolers turned by 90° on AM2/AM2+/AM3 motherboards.

This manual will guide you through the installation process step by step using an NH-U12P SE2 heatsink as an example. Please note that the installation procedure is identical for all models.

Should you encounter any difficulties, please check the FAQs on our website and don't hesitate to contact our support team at support@noctua.at.

Noctua cannot be held responsible for any damage or losses caused by compatibility issues.

Multilingual versions of this manual are available on our website: www.noctua.at

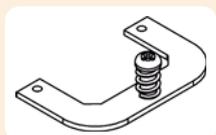**Required mounting parts supplied with the cooler:**
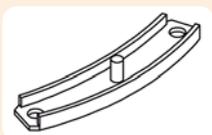
4x plastic spacers

4x short screws

4x long screws
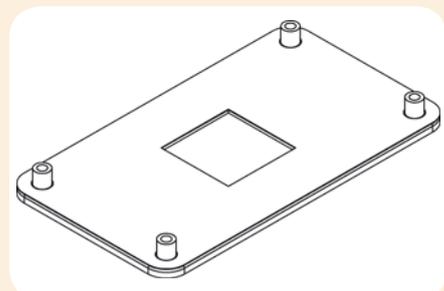
Required mounting parts supplied with the NM-A90 kit:

2x 90° fastening brackets

2x 90° mounting bars

Caution: The SecuFirm2™ mounting system requires a backplate, which is preinstalled on most AM2/AM2+/AM3 mainboards. If your mainboard doesn't have a backplate, please contact our support team at support@noctua.at.
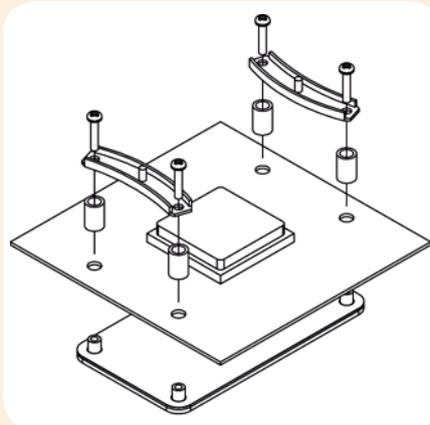
AMD stock backplate
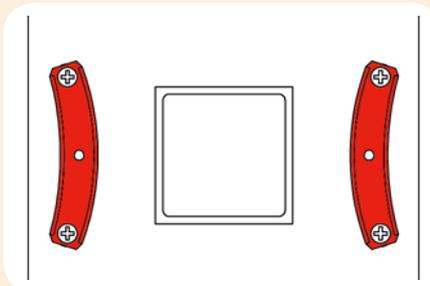

Step 1:
Removing the retention module

If your mainboard uses a retention module for CPU cooler installation, please remove it first. The SecuFirm2™ mounting system will install directly to your mainboard's stock backplate on the rear side of the socket.

Step 2:
Attaching the mounting bars

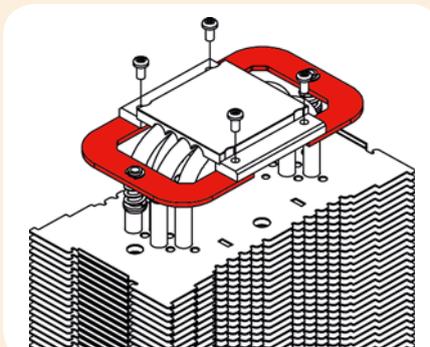First put the plastic spacers onto the screw threads, then fix the mounting bars using the 4 long screws.

Caution: Make sure that the curved sides of the mounting bars are pointing inwards.

Caution: Tighten the screws until they stop.

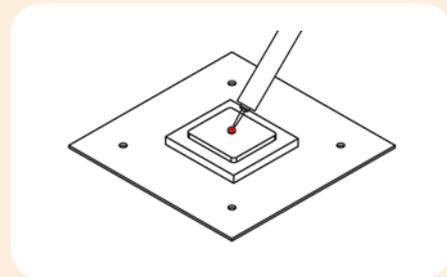**Step 3:**
Attaching the fastening brackets to the heatsink

Tightly screw the fastening brackets to the base of the heatsink using the 4 short screws.

Step 4:
Applying thermal paste

If there are residual traces of thermal paste or thermal pads on your CPU, please clean them off first.

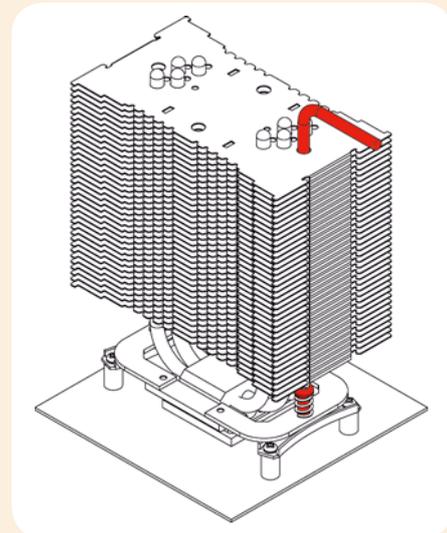Then press a small drop (4-5mm diameter) of NT-H1 onto the centre of the heat-spreader.

Caution: Applying too much thermal paste will lower the heat conductivity and cooling performance!

Step 5:
Fastening the heatsink to the CPU

Caution: Please take off the protection cover at the bottom side of the heatsink first!

Put the heatsink onto the CPU and screw it to the screw threads of the mounting bars using the supplied L shaped mounting tool.

Caution: Tighten the screws until they stop.

Step 6:
Installing the fan(s)

Install the fan(s) as described in the manual that came with the cooler.