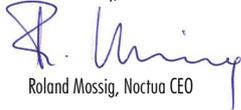




Dear customer,

Congratulations on choosing a Noctua cooler for your AMD AM4 system. We always like to think of our coolers as safe long-term investments: Not only are they built to last, we also provide upgrade kits so that you can keep using your trusty Noctua heatsink when you do a system upgrade. Enjoy your Noctua cooler on AM4!

Yours sincerely,

  
Roland Mossig, Noctua CEO

This SecuFirm2™ Mounting-Kit for AM4 is compatible with most Noctua retail CPU coolers since 2005 (NH-C12P, NH-C12P SE14, NH-C14, NH-C14S, NH-D14, NH-D14 SE2011, NH-D15, NH-D15S, NH-D9L, NH-L12, NH-L9x65, NH-U12, NH-U12F, NH-U12P, NH-U12P SE1366, NH-U12P SE2, NH-U9, NH-U9B, NH-U9B SE2, NH-U9F). For detailed, up to date compatibility information please visit: [www.noctua.at/am4](http://www.noctua.at/am4)

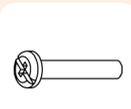
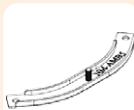
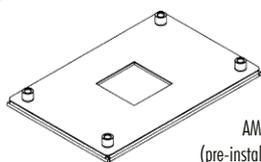
Prior to installing the cooler, please consult the compatibility list on our website ([www.noctua.at/compatibility](http://www.noctua.at/compatibility)) and verify that the cooler is fully compatible with your motherboard. Please also make sure that your PC case offers sufficient clearance for the cooler and that there are no compatibility issues with any other components (e.g. tall RAM modules). Double check that the heatsink and fan clips do not make contact with the VGA card or other PCIe cards. Noctua cannot be held responsible for any damage or losses caused by compatibility issues.

This manual will guide you through the installation process step by step using an NH-U12P 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](mailto: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/manuals](http://www.noctua.at/manuals)

### Required mounting parts:

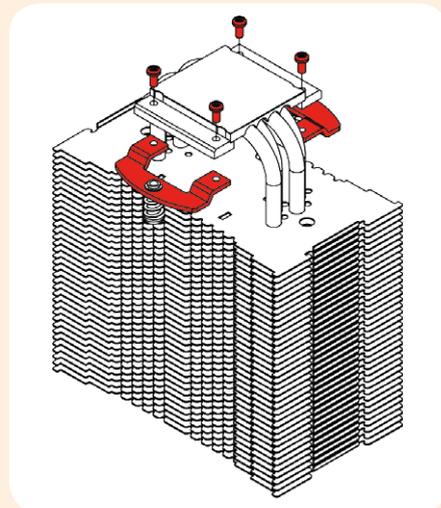


### Step 1

#### Fixing the fastening-brackets to the cooler

**Caution:** The following cooler models already use the NM-SFB2 or compatible fastening brackets, so if you use one of these models, please skip this step and directly proceed to the next one: NH-C14S, NH-D14 SE2011, NH-D15, NH-D15S, NH-D9L, NH-L12, NH-L9x65.

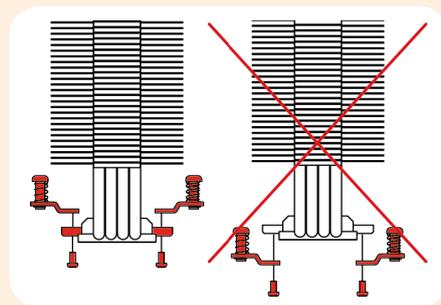
First take off the original fastening-brackets from the cooler by unscrewing the four short screws.



Then fix the new NM-SFB2 fastening brackets to the cooler (you can either use the original screws or the supplied NM-SSC1 screws). Tighten the screws until they stop, but don't use excessive force (max. torque 0.5 Nm).

Please note that with some cooler models, it may be easier to fix the brackets if you first remove the fan(s).

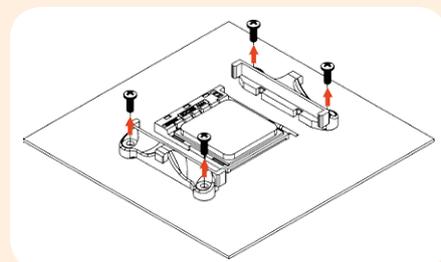
**Caution:** Make sure to install the fastening brackets in the correct position.



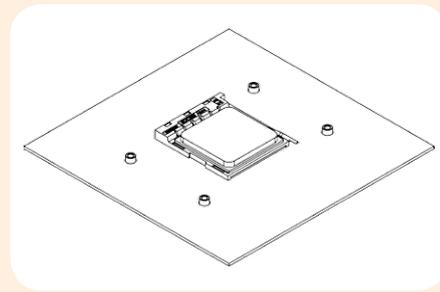
### Step 2

#### Removing the stock retention module

First remove the motherboard's stock CPU cooler retention module by unscrewing it from the backplate. The SecuFirm2™ mounting system will install directly to the stock backplate, so please keep it in place.



If your motherboard does not include a stock backplate, please contact our customer support at [support@noctua.at](mailto:support@noctua.at).



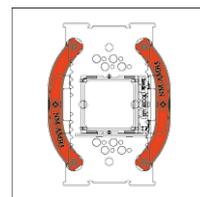
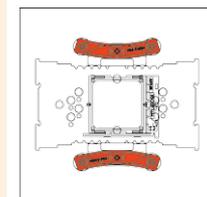
### Step 3

#### Attaching the mounting bars

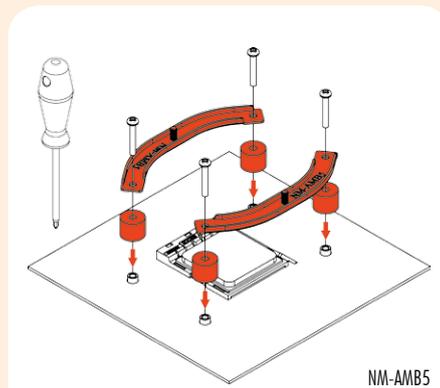
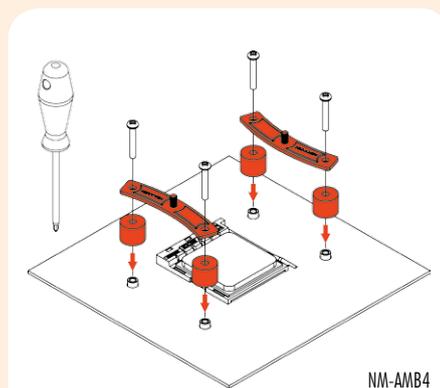
Choose either the short NM-AMB4 or the long NM-AMB5 mounting bars according to the desired final orientation of the cooler.

Orientation NM-AMB4

Orientation NM-AMB5



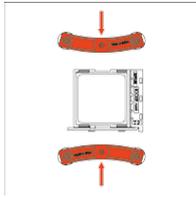
First put the plastic spacers onto the screw threads of the backplate, then fix the mounting bars using the four long screws.





For the short NM-AMB4 mounting bars, make sure that the curved sides are pointing inwards. For the long NM-AMB5 mounting bars, make sure that the curved sides are pointing outwards.

Orientation NM-AMB4



Orientation NM-AMB5



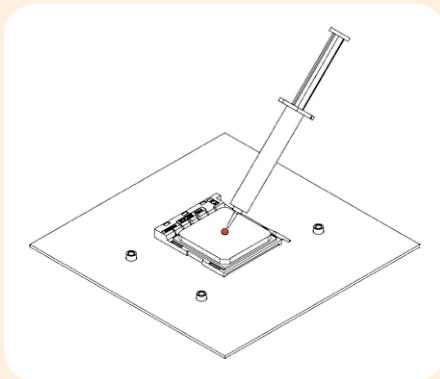
**Caution:** Gently tighten the screws until they stop, but don't use excessive force (max. torque 0.6 Nm).

Please note that on some motherboards, the long NM-AMB5 mounting bars may not fit due to making contact with components on the motherboard. In such cases, the cooler can be installed with the short NM-AMB4 mounting bars only.

#### Step 4

### Applying thermal paste

If there are residual traces of thermal paste or thermal pads on your CPU on the base of the heatsink, please clean them off first. Then press a small drop (4-5mm diameter) of thermal compound (e.g. Noctua NT-H1) onto the centre of the heatspreader.



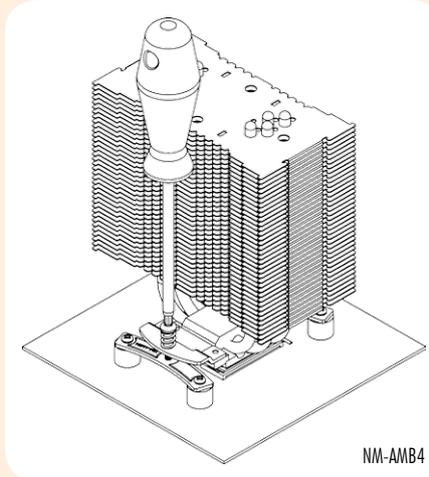
**Caution:** Applying too much thermal paste will lower heat conductivity and cooling performance!

#### Step 5

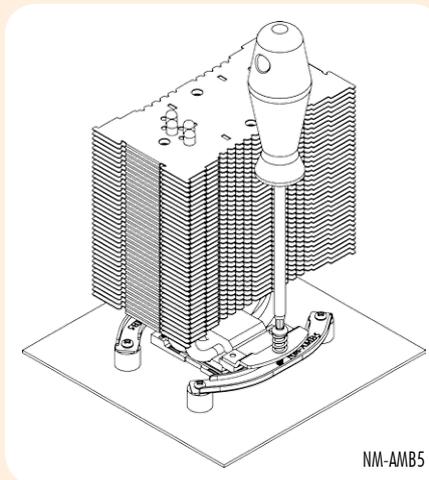
### Fastening the heatsink to the CPU

**Caution:** If you're using the cooler for the first time, 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. Please note that with some cooler models, it may be necessary to remove the fan(s) in order to reach the screws.



NM-AMB4



NM-AMB5

**Caution:** Tighten the screws until they stop, but don't use excessive force (max. torque 0.6 Nm).

#### Step 6

### Installing the fan

Install the fan as described in the cooler manual. If you don't have it at hand, you can download it at [www.noctua.at/manuals](http://www.noctua.at/manuals).

### Should I take the cooler off before transporting my system?

As it is not possible to reliably calculate or control the forces that act upon a system during transport (e.g. in shipping), we generally recommend, for safety reasons, taking off coolers with a total weight of more than 700g (incl. fan). If the weight of the heatsink without fan is below 700g and the total weight including fan is above 700g, we recommend taking off the fan from the heatsink in order to reduce the weight below 700g. Noctua cannot be held responsible for any damage that may arise due to excessive stress during transport if you keep the heatsink installed.

### Warranty, Support and FAQs

Even with high-grade products and strict quality control, the possibility of defects cannot be eliminated entirely. Therefore, we aim at providing the highest possible level of reliability and convenience by offering a warranty period of 6 years and direct, fast and straightforward RMA service.

Should you encounter any problems with your Noctua product, please check the FAQs on our website ([www.noctua.at/faqs](http://www.noctua.at/faqs)) and don't hesitate to contact our support team at [support@noctua.at](mailto:support@noctua.at).