Dear customer,

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

We always like to think of our coolers as safe long-term investments: Not only are they built to last, but we also provide upgrade kits so that you can keep using your trusty Noctua heatsink whenever you do a system upgrade.

Enjoy your Noctua cooler on your AMD system!

Yours sincerely,

Roland Mossig, Noctua CEO

This NM-AM5/4 mounting kit can be used both on AMD AM5 and AM4 motherboards. The installation procedure is identical.

This manual will guide you through the installation process step by step using an NH-U12S heatsink as an example. Please note that the installation procedure is identical for all models. Prior to installing the cooler, please consult the compatibility centre on our website (ncc.noctua.at) 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, other PCIe cards, motherboard heatsinks or any other components.

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

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

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

---

Please note that this NM-AM5/4-MP78 kit is compatible with heatsinks with 78mm mounting pitch (see the following list) only. For heatsinks with 83mm mounting pitch (see the following list), the NM-AM5/4-MP83 kit must be used instead.

To find out how to determine if your cooler uses 83mm or 78mm mounting pitch, please see: www.noctua.at/mounting-pitch

For detailed, up-to-date socket compatibility information please visit: ncc.noctua.at/socket-compatibility-overview
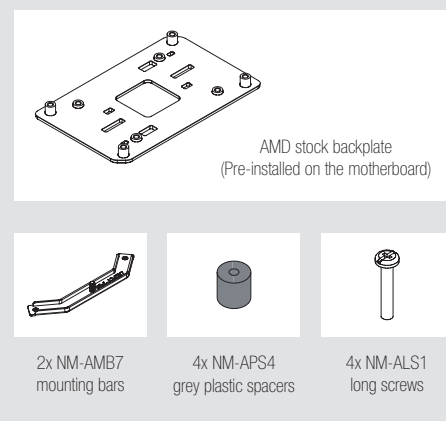
! NM-AM5/4-MP78 (78mm mounting pitch)

NH-D12L
NH-L12 Ghost S1 Edition
NH-L12S
NH-U9S (chromax.black)
NH-U12A (chromax.black)
NH-U12S (SE-AM4, chromax.black)
NH-U12S redux
NH-U14S
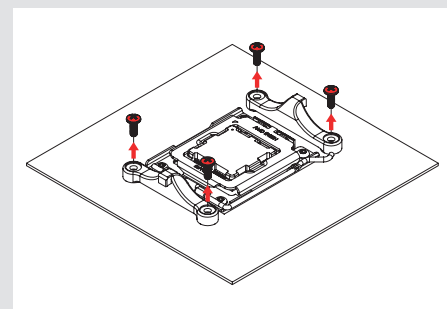
! NM-AM5/4-MP83 (83mm mounting pitch)

NH-D15 (SE-AM4, chromax.black)
NH-D15S (chromax.black)
NH-D14 (SE2011)
NH-D9L
NH-C14
NH-C14S
NH-C12P (SE14)
NH-L12
NH-U12P (SE1366, SE2)
NH-U9B (SE2)
NH-L9x65 (SE-AM4)
NH-P1

Required mounting parts:

AMD stock backplate
(Pre-installed on the motherboard)

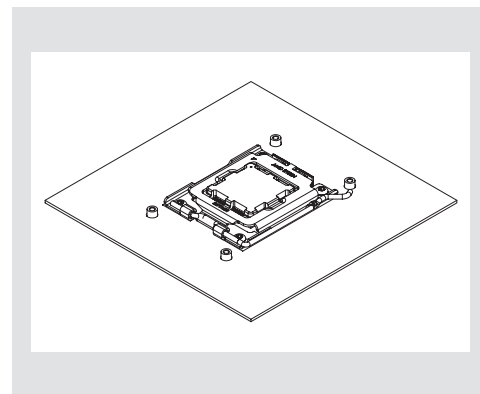| 2x NM-AMB7 mounting bars | 4x NM-APS4 grey plastic spacers | 4x NM-ALS1 long screws |

1 Removing the stock retention module

If your motherboard comes with a pre-installed CPU cooler retention module, please first remove it by unscrewing it from the backplate.
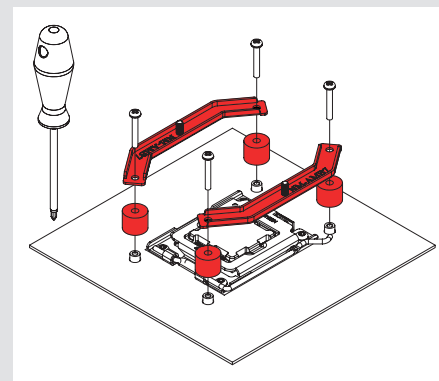

The SecuFirm2™ mounting system will install directly to the stock backplate, so please keep it in place.
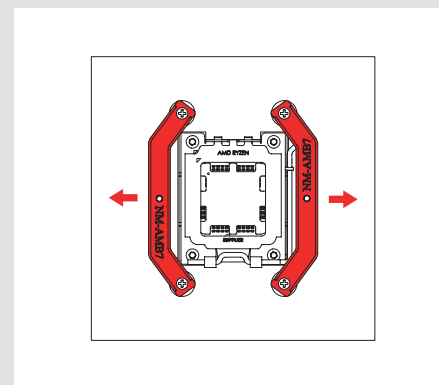

2 Installing the mounting bars

First put the plastic spacers onto the screw threads of the backplate, then fix the NM-AMB7 mounting bars using the four NM-ALS1 long screws.

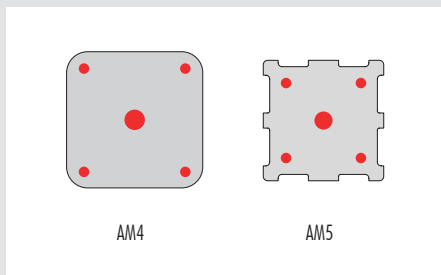Make sure that the curved sides of the mounting bars are pointing outwards.

Caution: Gently tighten the screws until they stop, but do not use excessive force (max. torque 0.6 Nm).

3 Applying the thermal paste

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

Apply 5 small dots; 4 small dots with ~2mm diameter near the corners plus 1 dot with 3-4mm diameter in the centre:
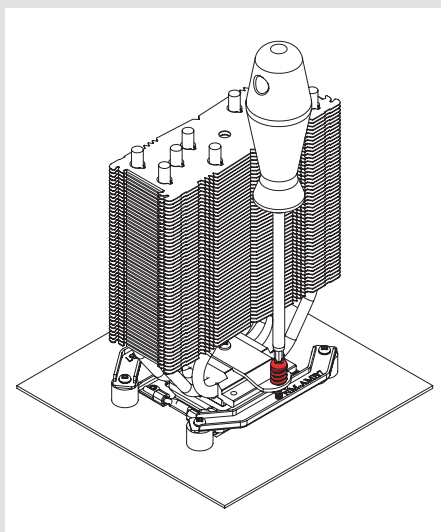
Scan this code to display multilingual manuals on your phone.

AM4   AM5

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

4   Fastening the heatsink to the CPU

Caution: Note that depending on the cooler model, it may be necessary to remove the fan(s) in order to reach the mounting screws.

If you're using the cooler for the first time, please also take off the protection cover at the bottom side of the heatsink first!

Then put the heatsink onto the CPU and screw it to the screw threads of the mounting bars. Perform 2-3 turns on each screw, then repeat until both are fully tightened.

Caution: Gently tighten the screws until they stop, but do not use excessive force (max. torque 0.6 Nm).

5   Fan setup

Reattach the fan(s) to the heatsink (if removed during the installation process) and connect the fan(s) to the motherboard as described in the cooler manual. If you don't have it at hand, you can download it at: www.noctua.at/manuals

!   Transporting your 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 NM-AM5/4-MP78, please don't hesitate to contact our support team at support@noctua.at.

Please also consult the FAQ section on our website: www.noctua.at/faqs

22
PAP