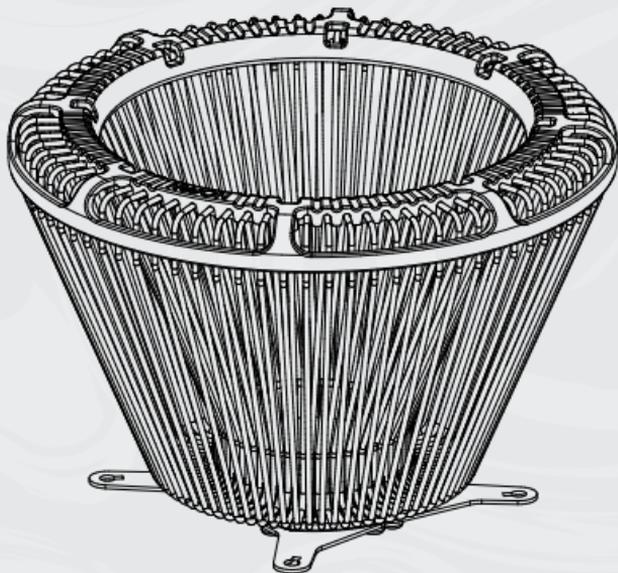




Product Manual

NOFAN CR-80EH



1 Precautions

1. If excessive force is applied on the heatsink during installation, the excessive pressure applied on the heatsink and motherboard may cause damage to the product and/or system.
2. Store and use away from the reach of children.
3. Check the condition of the product and its components before installation, and if there are any problems, contact the retailer for a replacement or refund.
4. NOFAN is not responsible for any damages that result from improper product installation or use of products in applications other than their intended purpose.
5. Read the installation instructions product thoroughly before installation. Incorrect installation may result in damages to the CPU and motherboard.
6. Boot Go into BIOS setup-Change setting from "Wait For 'F1' If Error" to "Disabled" in the Boot Settings Configuration menu.
7. Thermal grease is not intended for oral consumption.
8. We do not take responsibility from CPU / system damage caused from overclocking.
9. Product appearance and design may be changed for improved quality without advanced notification.

2 Features and Specifications

1. NOFAN's patented FDP(Fluid Dynamic Pressure) technology totally eliminates noise and vibration.
2. It is radial shaped, CPU cooler that is optimized for natural convection cooling.
3. The 80 contact points of "ICEPIPEs" that sits on a base instantly dissipate heat to outside air.
4. Slow air flow makes maintenance due to dust accumulation unnecessary.
5. The world's first absolutely silent CPU cooler (0 dBA) with no cooling fan.

CR-80EH Specifications

Model	CR-80EH
Dimension (mm)	155 mm (Ø) x 113 mm (H)
Dissipation Surface (mm ²)	98,157 mm ²
Weight (g)	300 g
Material	Pure Copper, Pure Aluminum
TDP (W)	Up to 80W
Thermal Resistance (°C / W)	0,54 °C / W (ΔT / 77W)
ICEPIPE	1EA / 1,6 mm (Ø) x 19,537 mm (L)
Heatpipe	1EA / 6 mm (Ø) x 130 mm (L)
Compatible Case	CS-30, CS-60, CS-70, CS-80

3 CR-80EH Components

1. Common Components for INTEL & AMD



① CR-80EH



② Thermal Grease x 1



③ Anti Spin X 4



④ Clip X 4



⑤ Cooler Fixing Bolt X 4



⑥ Hand Nut x 4



⑦ Clip Fixing Bolt x 8



⑧ User Manual x 1

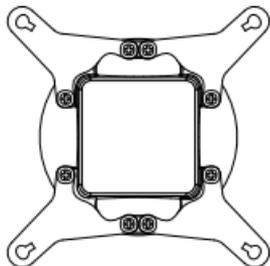
CR-80EH Supported Sockets and CPUs

	SOCKET	CPU
INTEL Sockets	1150 / 1155 / 1156	Core i5 / i3
AMD Sockets	FM1 / FM2 AM3 / AM3+ AM2 / AM2+	APU Series Phenom II Athlon II Sempron

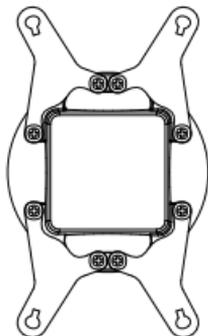
※ CR-80EH is available for CPU which TDP(Thermal Design Power) is below 80W.

4 Pre-checking before Cooler Installation

Clip Mounting Depending on Fixing Holes of INTEL or AMD CPU



Intel Installation Direction



AMD Installation Direction

1. Fix the Clips to the cooler with bolts and a screwdriver in accordance with the system in use.

Warning) Be careful not to fix the bolt too strong or make it tilted.
This can cause a groove at the bottom of the cooler resulting in product damage.

5 Installation Procedure

Please refer to flash video at "www.nofancomputer.com" for the more detail explanation.

1. Application of Thermal Grease

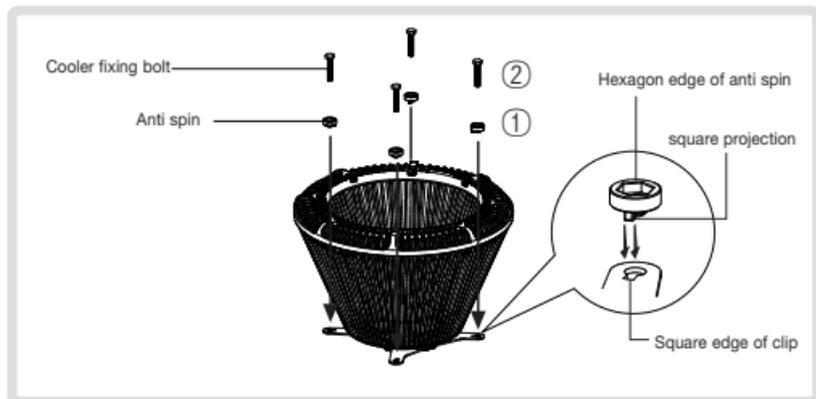
- ① Remove any foreign materials from the surface of the CPU.
- ② Apply a thin layer of the included Thermal Grease on the surface of the CPU.



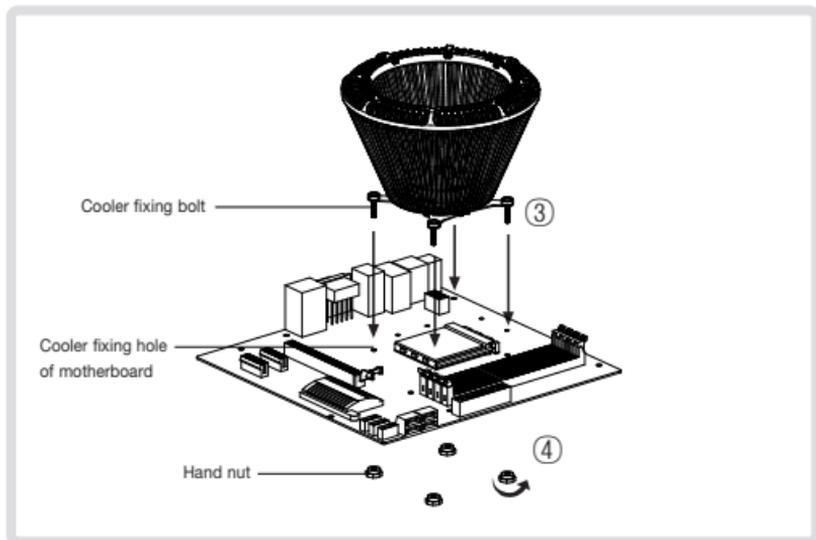
Apply thermal grease on CPU

2. INTEL CPUs

- ① After setting the direction of anti spin to fit its square projection and square edge of clip, put into clip.
- ② Put the head of cooler fixing bolt into hexagon edge of anti spin.

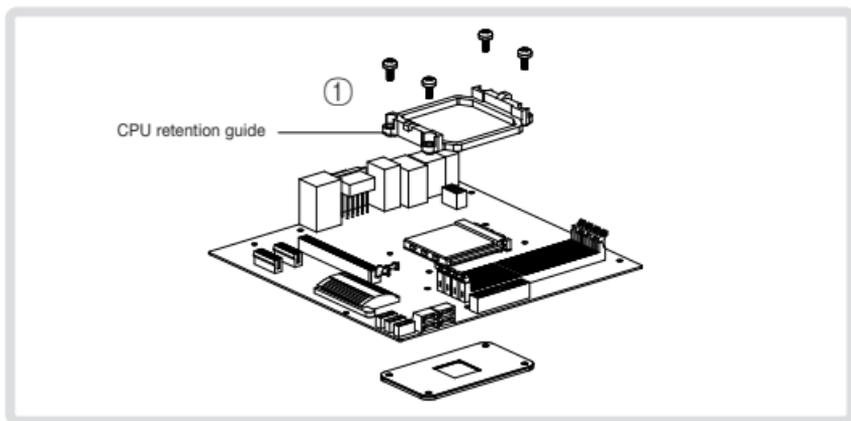


- ③ Mount a cooler to fit the assembled four CPU fixing bolts into the cooler fixing holes of motherboard as shown in the diagram.
- ④ Tighten hand nut from the back of the motherboard.

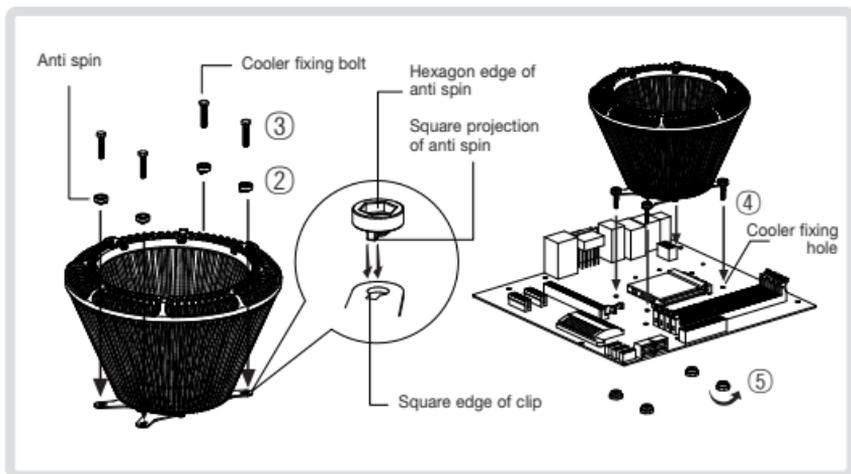


3. AMD CPUs

- ① Remove CPU retention guide mounted in motherboard.



- ② After setting the direction of anti spin to fit its square projection and square edge of clip, and then put into clip.
 ③ Put the head of cooler fixing bolt into hexagon edge of anti spin.
 ④ Mount a cooler to fit the assembled four CPU fixing bolts into the cooler fixing holes of motherboard as shown in the diagram.
 ⑤ Tighten hand nut from the back of the motherboard.



※ Please refer to flash video at "www.nofancomputer.com" for the more detail explanation.

6 Recommended Noise-Free Components

► INTEL System

For the latest updated information, please refer to NOFAN's website.

Recommend Component	Manufacturer	Model
1,CPU Intel Corporation	Intel Corporation	Intel® Core™ i3 4330
2,CPU Cooler	NOFAN Corporation	CR-80EH
3,Chassis	NOFAN Corporation	CS-80
4,Motherboard	Giga-Byte Technology Co., Ltd,	GA-B85-HD3
5,VGA Card	ASUSTeK Computer Inc.,	ASUS Radeon HD7750
6,Power Supply	NOFAN Corporation	P-400A
7,Solid State Disk	Samsung Electronics Co., Ltd,	840 EVO Series

Optimal Components for Building a NOFAN Computer System



1,CPU



2,CPU Cooler



3,Chassis



4,Motherboard



5,VGA Card



6,Power Supply



7,Solid State Disk

► AMD System

For the latest updated information, please refer to NOFAN's website.

Recommend Component	Manufacturer	Model
1,CPU	Advanced Micro Devices, Inc.,	AMD A10 6700
2,CPU Cooler	NOFAN Corporation	CR-80EH
3,Chassis	NOFAN Corporation	CS-80
4,Motherboard	Giga-Byte Technology Co., Ltd,	GA-F2A85X-D3H
5,VGA Card	ASUSTeK Computer Inc.,	ASUS Radeon HD7750
6,Power Supply	NOFAN Corporation	P-400A
7,Solid State Disk	Samsung Electronics Co., Ltd,	840 EVO Series

Optimal Components for Building a NOFAN Computer System



1,CPU



2,CPU Cooler



3,Chassis



4,Motherboard



5,VGA Card



6,Power Supply



7,Solid State Disk

7 A/S : Warranty and Service

1. Warranty Period : 1 year from the date of purchase
2. Free of Charge Maintenance Service : Free of Charge Maintenance Service will be provided for manufacturing defects reported within the Warranted Period.
 - Problems caused by neglecting the warnings and notices of this manual.
 - Damages or deformations caused by the user's intent, fault, or lack of caution
 - Deformations or malfunctions caused by the user's modification of the product.
 - Damages to the computer or its components caused by excessive over-clocking.
3. Charged Maintenance Service : Charged Maintenance Service is available for problems reported after the Warranty expires.
4. Refund and Exchange
 - 1) Refund : A Refund is only available if returned to the original retailer with a valid sales receipt within 10 days of purchase, and the product/packaging are not damaged
 - 2) Exchange : If the product shows deterioration or malfunctions within 30 days of purchase, the product can be exchanged with a new product.
5. Service Center Operation Hours
09:00~18:00 Mon-Fri KST / Lunch 13:00~14:00

For repair service, please contact designated repair center or headquarter before visit.
For service center information, please refer to our website (www.nofancomputer.com).

© Headquarter Address

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