Manuals+ — User Manuals Simplified.

ZALMAN CNPS10X PSU Cases CPU Coolers User Manual

ZALMAN

**CNPS10X Performa BLACK
User Manual
Ver. 122820**

**Latest Intel & AMD Compatibility
Intel Socket LGA2066/2011-V3/2011/1200/115X CPUs
AMD Socket AM4 CPU**

Developed and designed by ZALMAN in Korea.
This product is protected by ZALMAN's pending or registered patents.

* To ensure safe and easy installation, please read the following precaution.
* Product design and specifications may be revised to improve quality and performance without notice.

Contents

Precautions

■ Avoid tempering with objects or hands into the fan while it is in operation to prevent product damage and injuries.
■ Do not eat the thermal grease, and avoid its contact with skin and eyes. If contact is made with skin, wash off with water. If irritation persists, seek medical attention.
■ To prevent possible injuries, gloves must be worn while handling this product.
■ Excessive force exerted on the fan may cause damage to the fan and/or system.
■ Use and keep product away from reach of children.
■ Check the components list and condition of the product before installation. If any problem is found, contact the retailer to obtain a replacement.
■ Our company assumes no responsibility for any problem that occurs due to the use of the product for purposes other than its designated purposes and/or the carelessness of the consumer.
■ Zalman Tech Co., Ltd. Is not responsible for any damages due to overclocking CPU such as, CPU and system components.
■ During transportation of the system, the cooler must be removed. Zalman Tech Co., Ltd. is not responsible for any damages that occur during the transport of a system.
■ Product design and specifications may be changed to improve quality and performance without notice.

Specifications

Model	CNPS1OX Performa Black
Materials	Pure Copper, Pure Aluminum
Dimensions	135(L) x 95(W) x 155(H)mm
Weight	860g
Heat Dissipation Area	9,271ari

Fan(s)	Dimensions	135 x 135 x 25(H)mm
	Bearing Type	EBR Bearing
	Fan Speed	700~1,500RPM ±10%
	Max Noise Level	27dB(A) ±10%
	Max Airflow	75.16CFM
	Max Air Pressure	1.35mmH20
	Rated Voltage	12V DC
Thermal Compound (ZM-STC8)	Volume / Net Weight	1 g
	Temperature Range	-40°C ~ +150°C (-40°F ~+302°F)
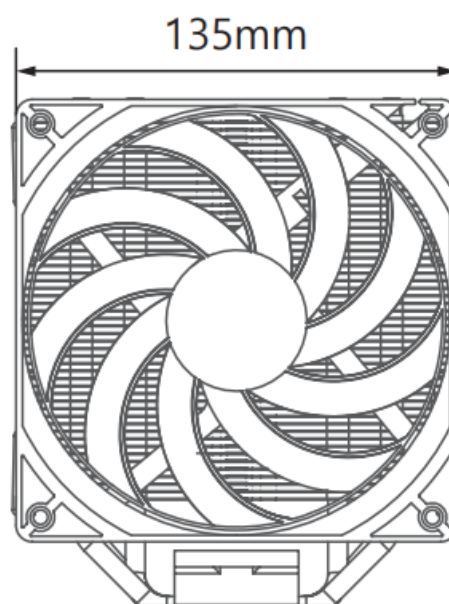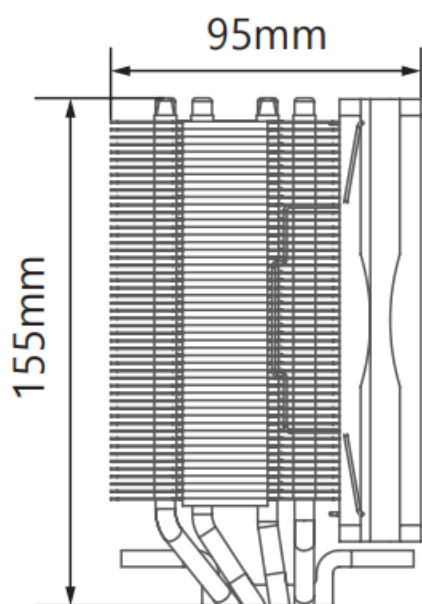
Components
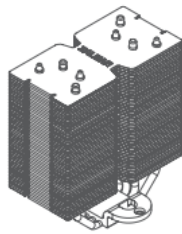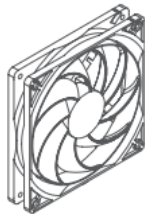
| Cooler | Fan | Guide Clips | Fan Clips | Manual |

| Backplate | Loading Block (Intel) | Loading Block (AMD) | Nuts | Side Caps |

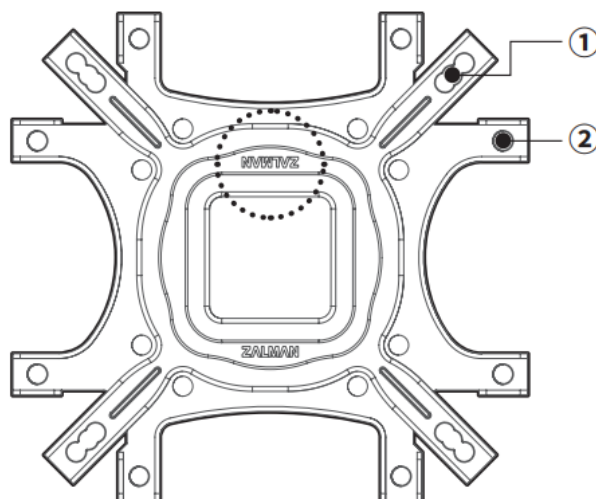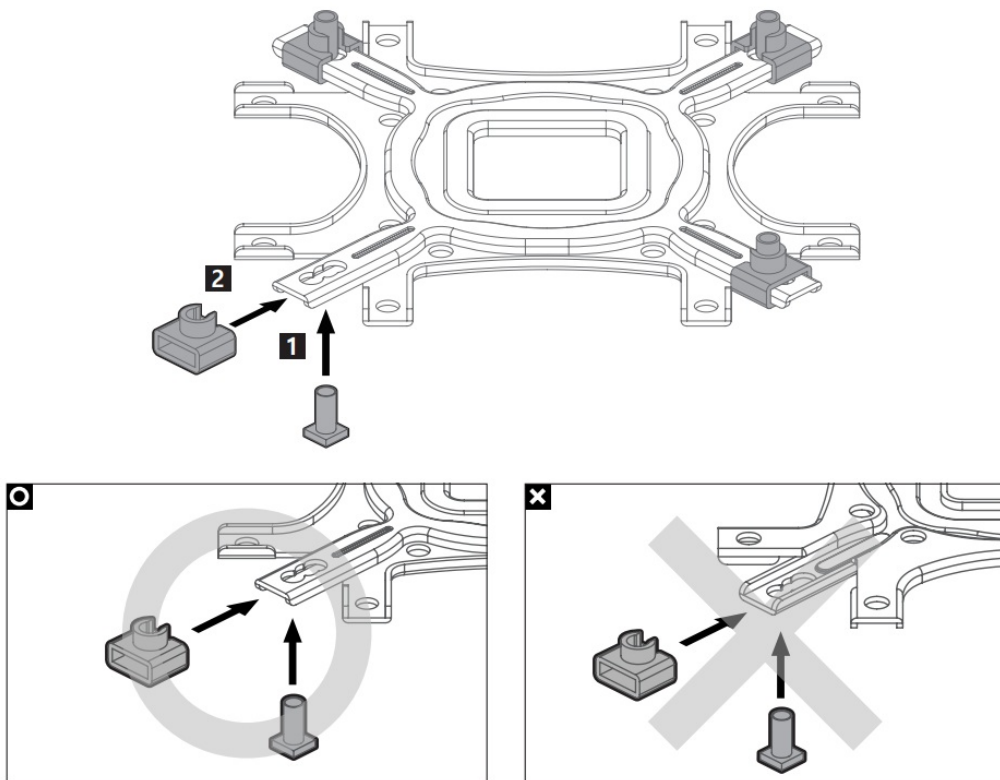| Fixing Bolts | Stand-offs(A) 1200 / 115X / AM4 | Stand-offs(B) 2066 / 2011-V3 / 2011 | Stand-off Nuts | Washers | Thermal Compound |
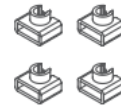
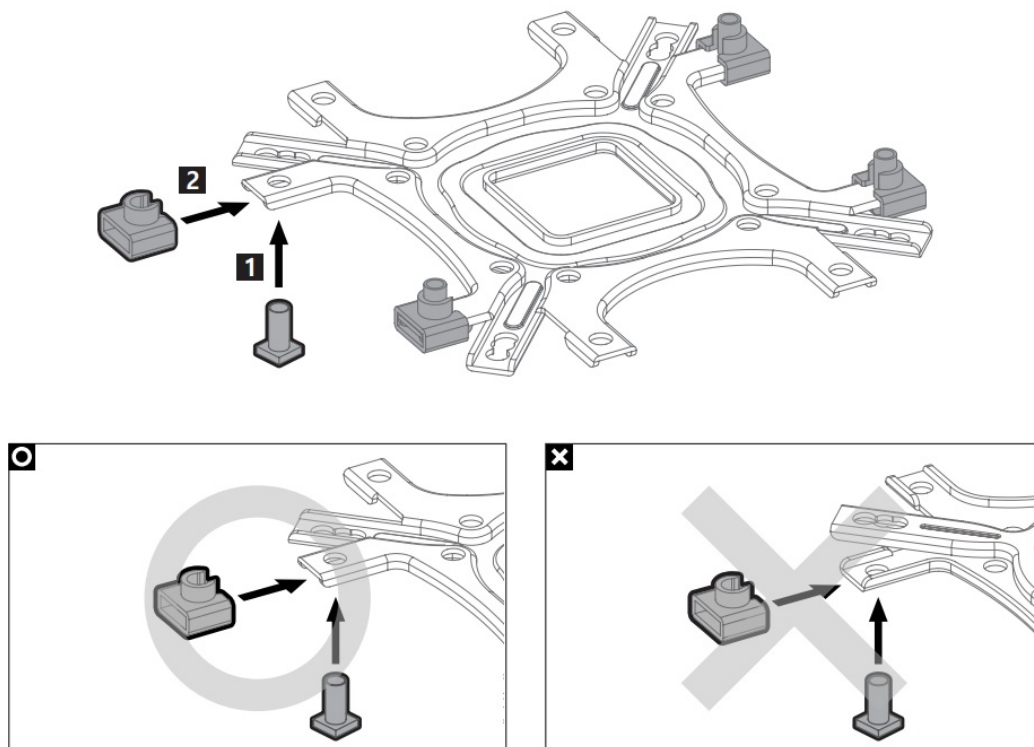## INTEL, AMD Backplate

1) Nuts Position

① LGA1200/115X

② AM4
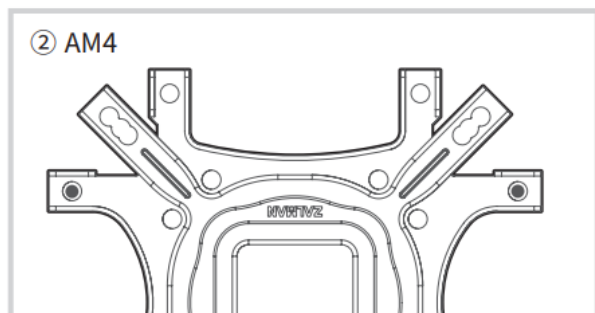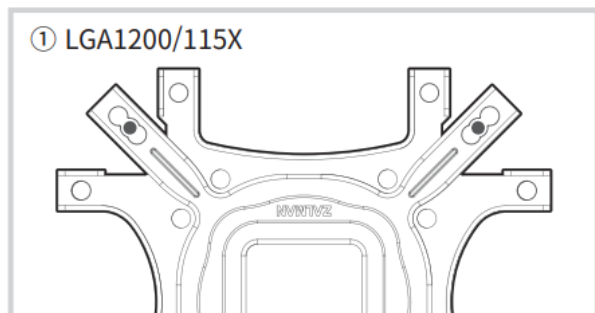
⚠ **Caution**

Please check the proper ZALMAN logo direction on backplate for each Intel and AMD socket.
No backplate is necessary for Intel LGA2066 /2011-V/2011 socket.

2) LGA1200/115X

3) AM4

⚠ **Caution**
Take note of the orientation of the nuts and the side caps.

INTEL, AMD Loading Block

1) Intel
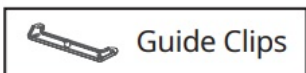
Loading Block(Intel)
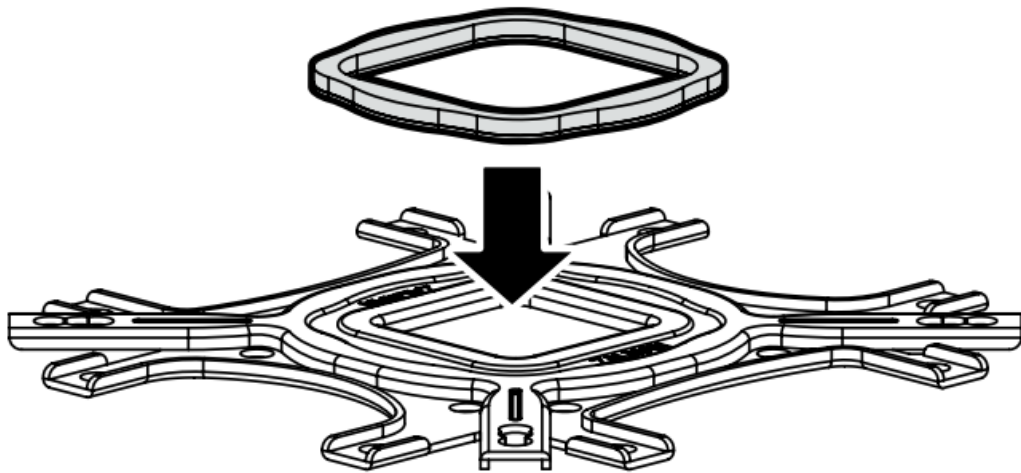
2) AMD

Loading Block(AMD)
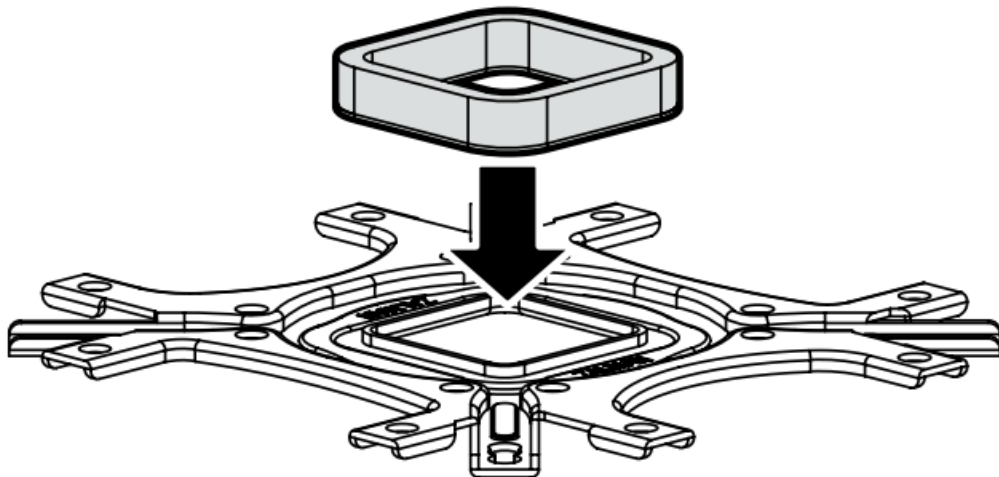
⚠ **Caution**

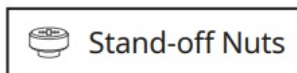Remove the tape cover of loading block and attach it to the backplate.
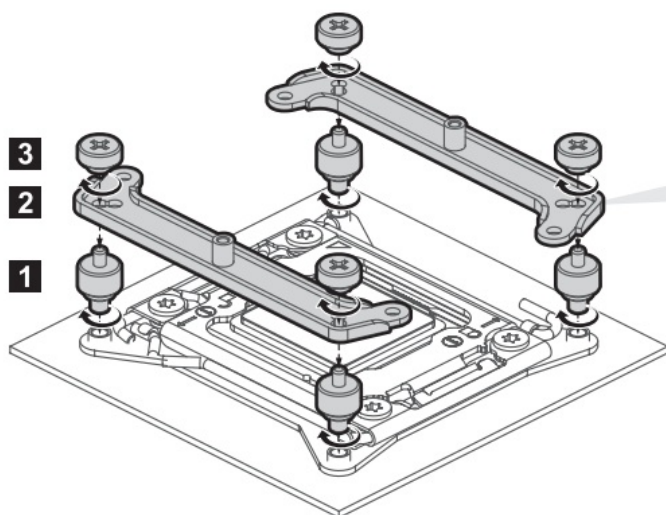
Intel Users

1) LGA2066 / 2011-V3 / 2011
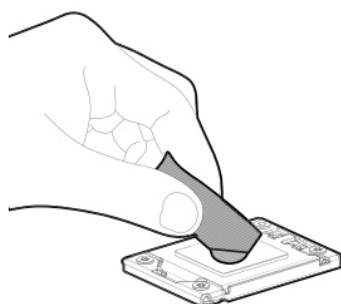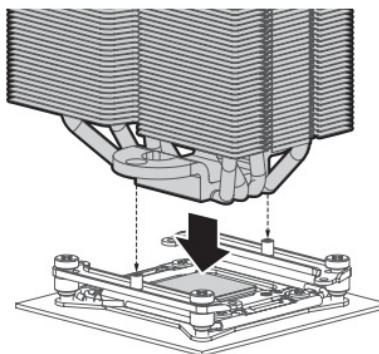
Stand-offs(B)	Guide Clips	Stand-off Nuts

2) Nuts Position

1 **2** **3**

⚠ **Caution**

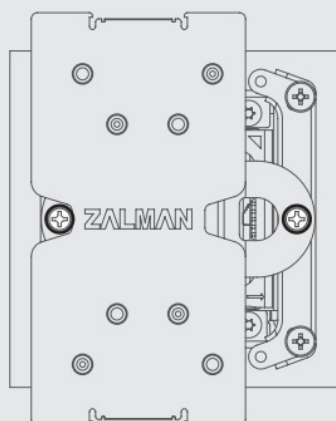Backplate is not needed for LGA2066 / 2011-V3 / 2011 sockets.

4 Thermal Compound

5

Fixing Bolts
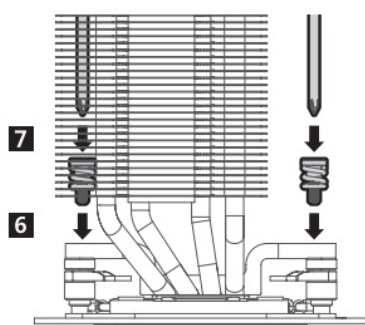
7

6

Detail Image

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⚠ **Caution**

Screw-in both bolts in an alternating fashion until they are completely tightened.

8 Fan   Fan Clips
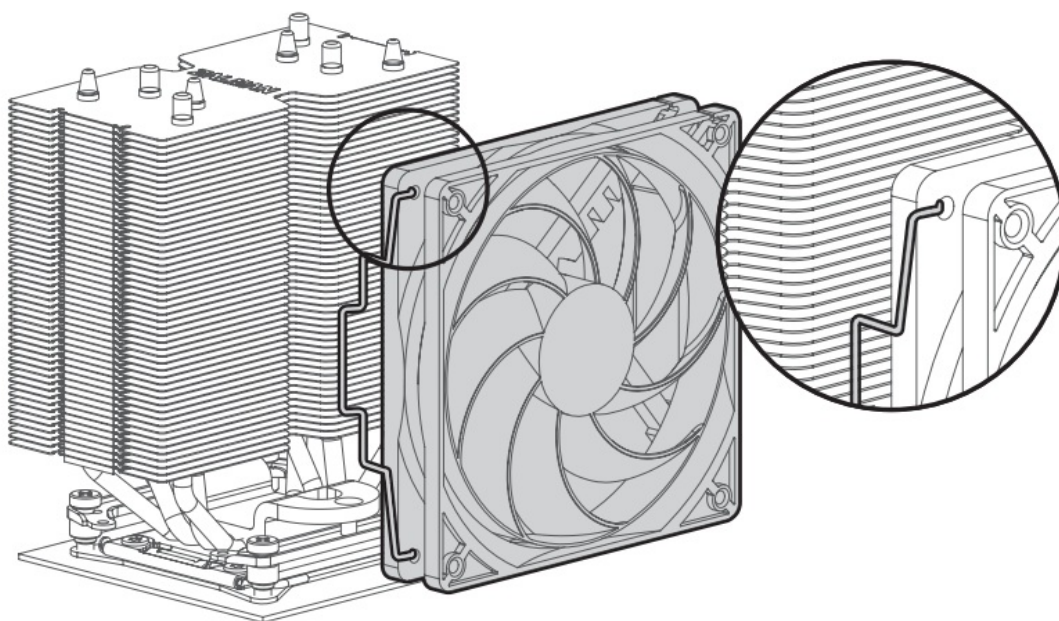
9
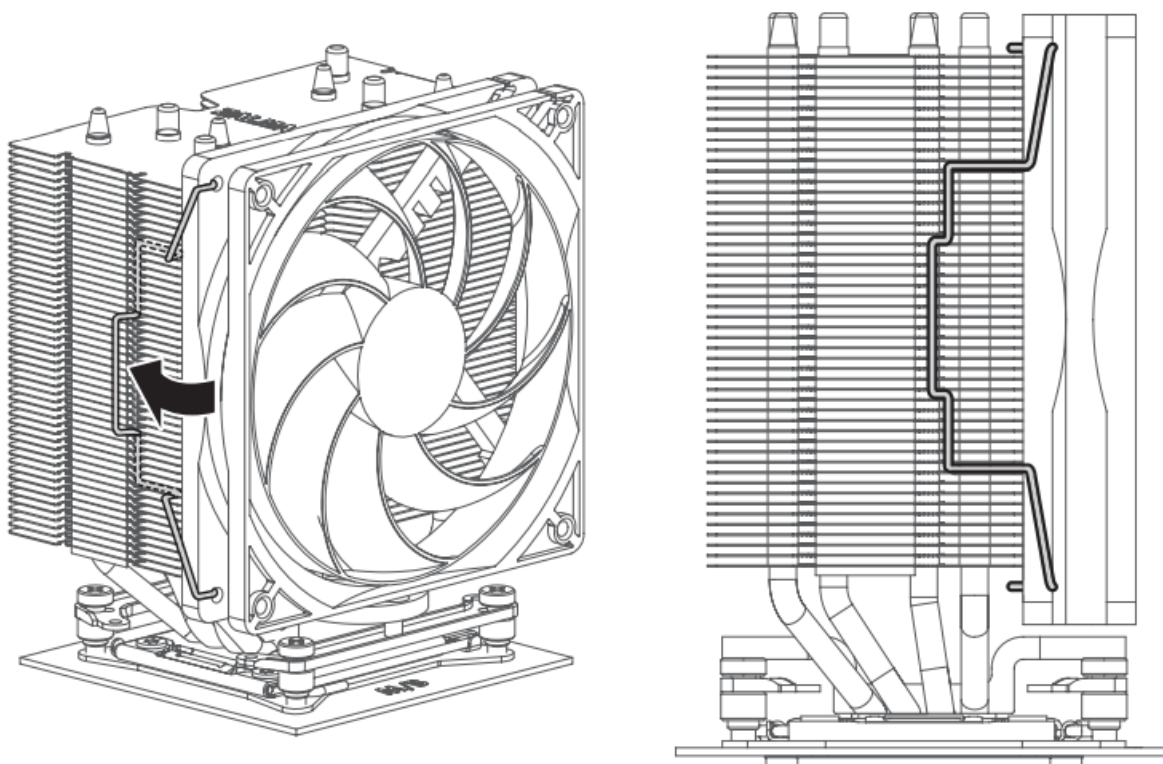
⚠ **Caution**

[Installation Guideline for Intel 10th Generation Motherboard User] CNPS10X PERFORMA BLACK Fan may have interference with FET passive heatsink over 30mm high.
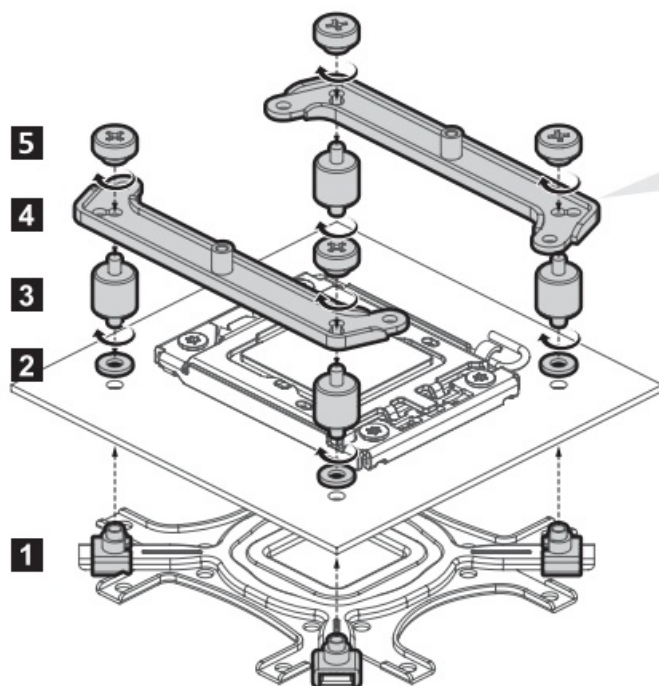
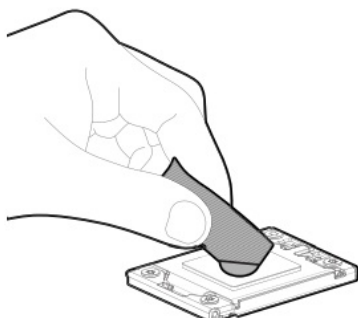2) LGA1200/115X

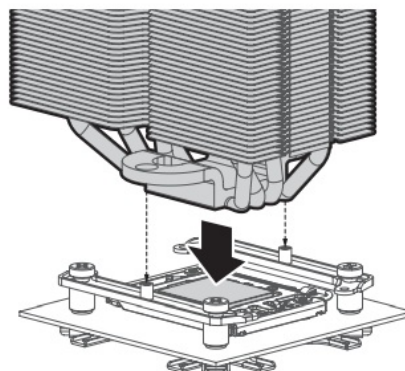| ◎ Washers	▦ Stand-offs(A)	⬭ Guide Clips	⬡ Stand-off Nuts

5
4
3
2
1

3) Nuts Position

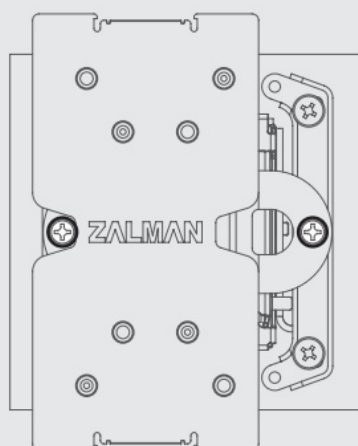**6** 🔲 Thermal Compound
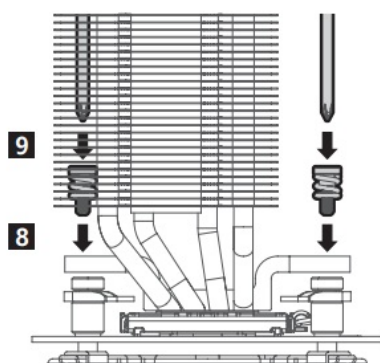
7

🔲 Fixing Bolts

9
8

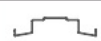**Detail Image**

ZALMAN

⚠ **Caution**
Screw-in both bolts in an alternating fashion until they are completely tightened.
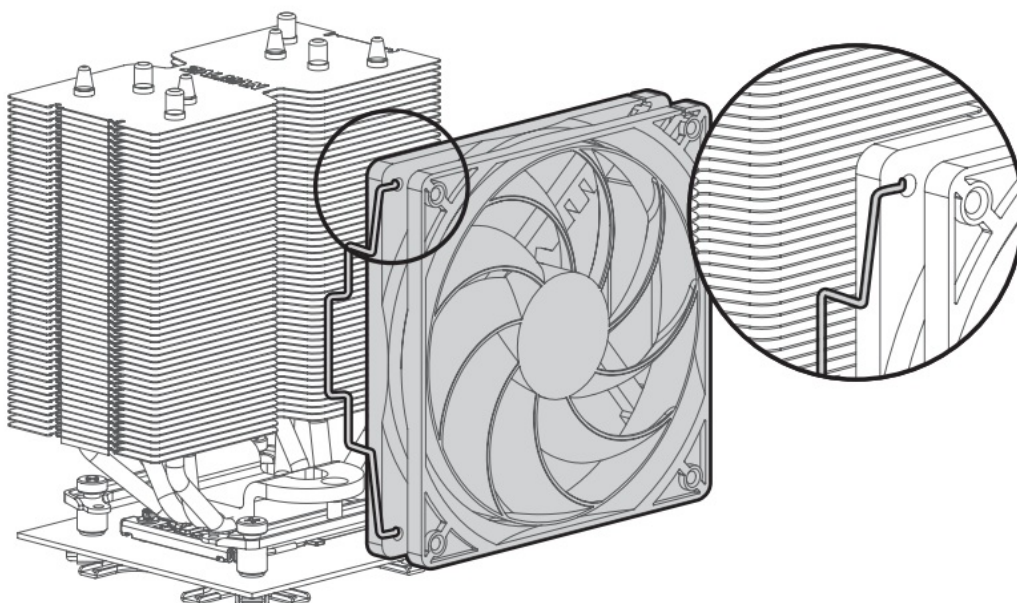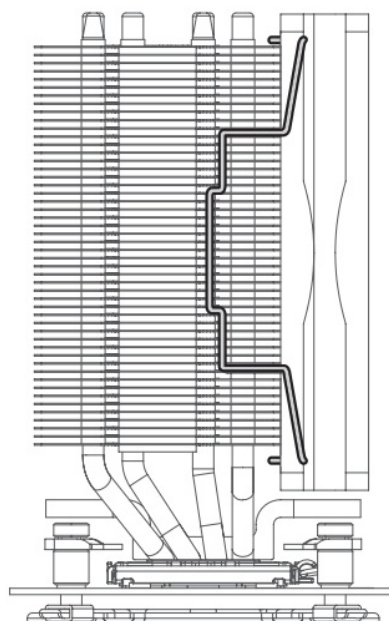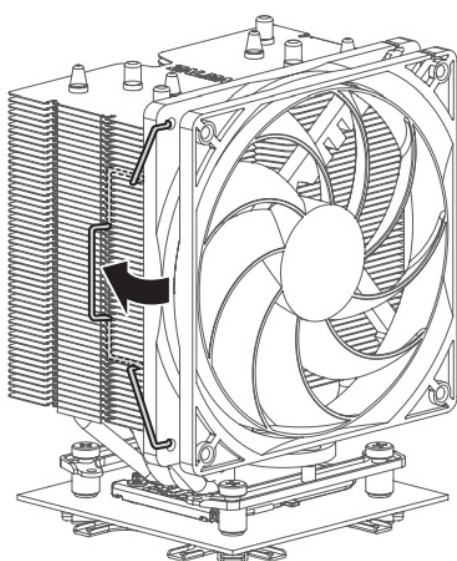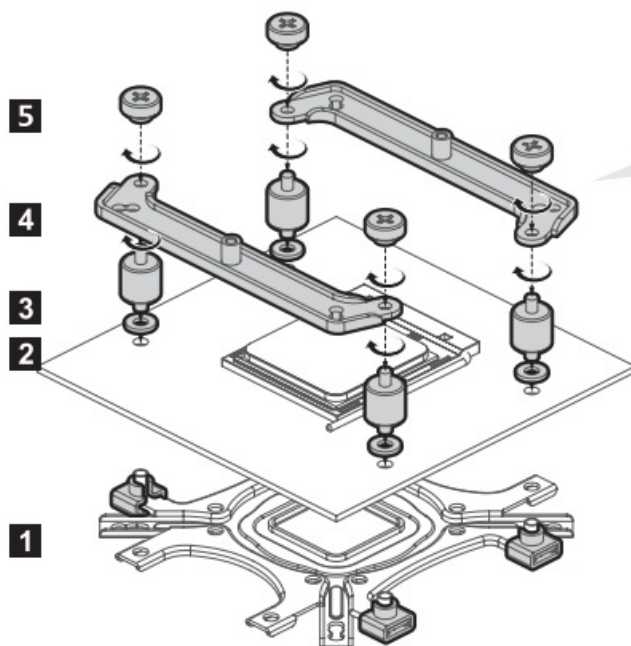
10 Fan   Fan Clips

11

⚠️ **Caution**

[Installation Guideline for Intel 10th Generation Motherboard User] CNPS10X PERFORMA BLACK Fan may have interference with FET passive heatsink over 30mm high.
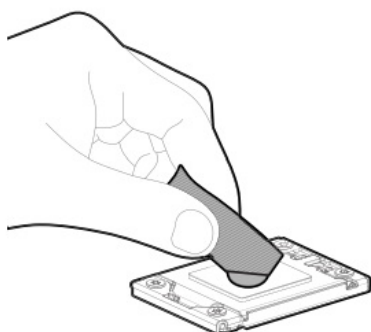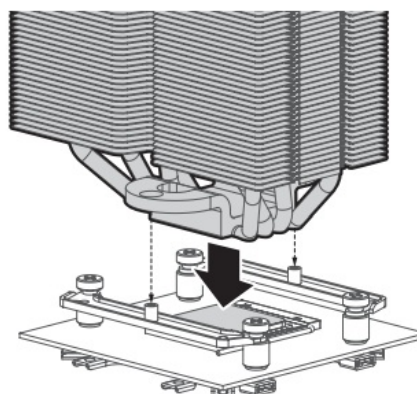
AMD Users

1) AM4

◎ Washers	Stand-offs(A)	Guide Clips	Stand-off Nuts

5

4

3

2

1

2) Nuts Position

⚠ **Caution**

Please be cautious for the direction of AMD Guide installation.

6 Thermal Compound
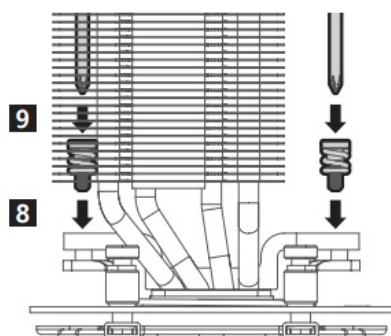
7

Fixing Bolts

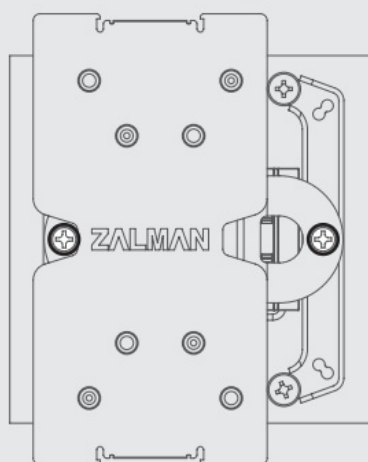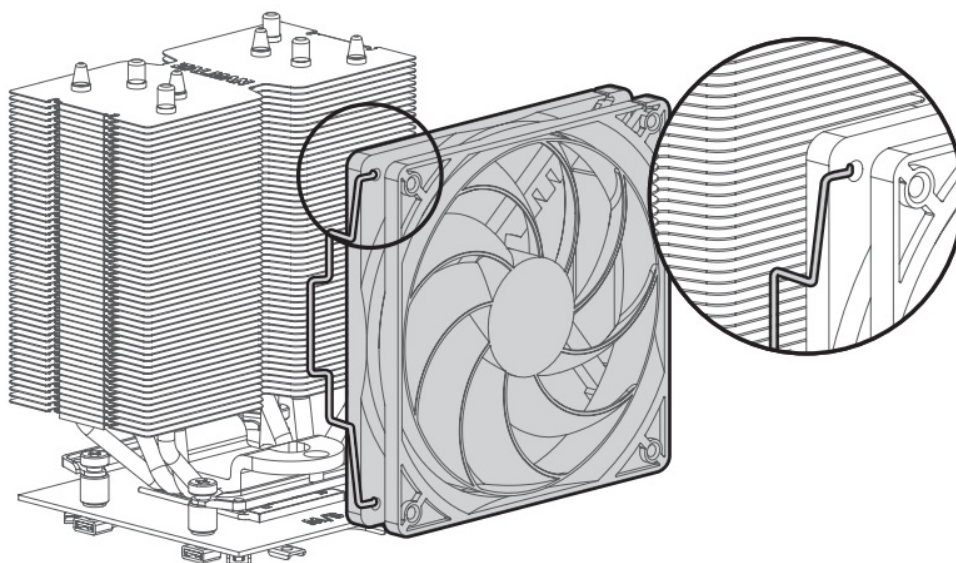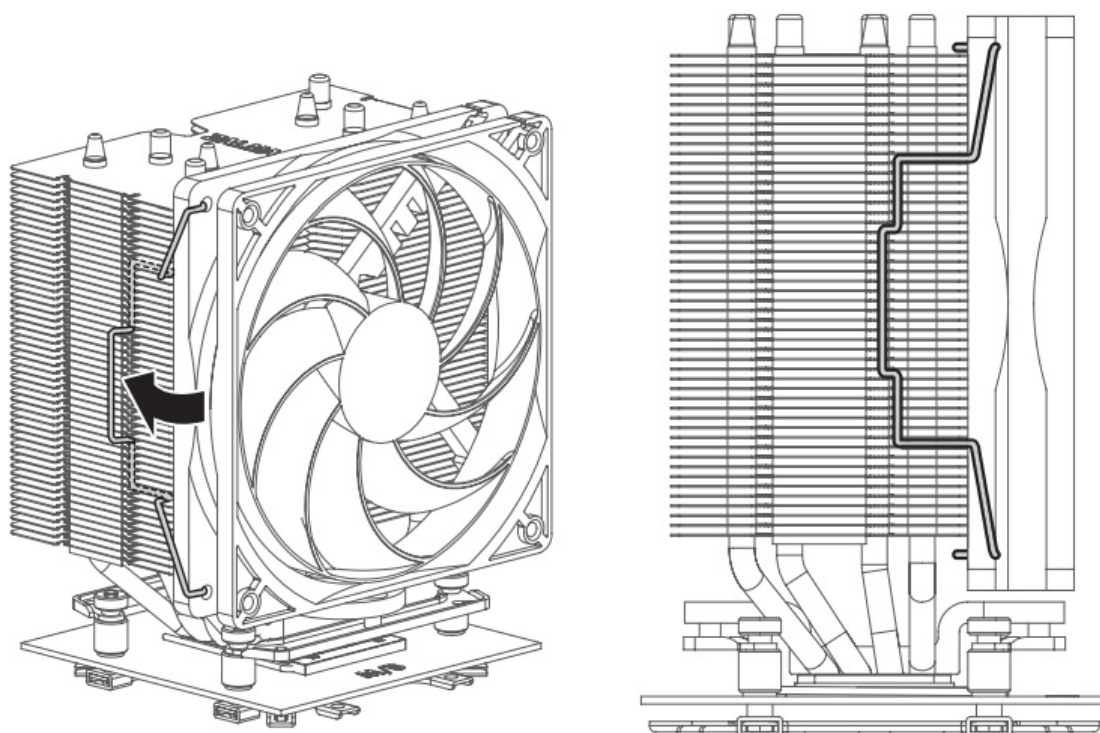**9**

8

Detail Image

ZALMAN

⚠ **Caution**

Screw-in both bolts in an alternating fashion until they are completely tightened.
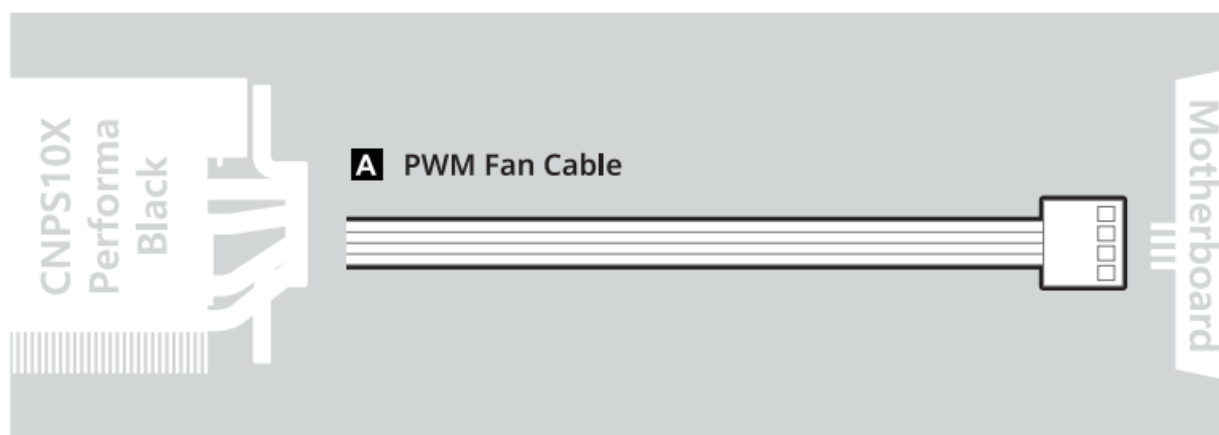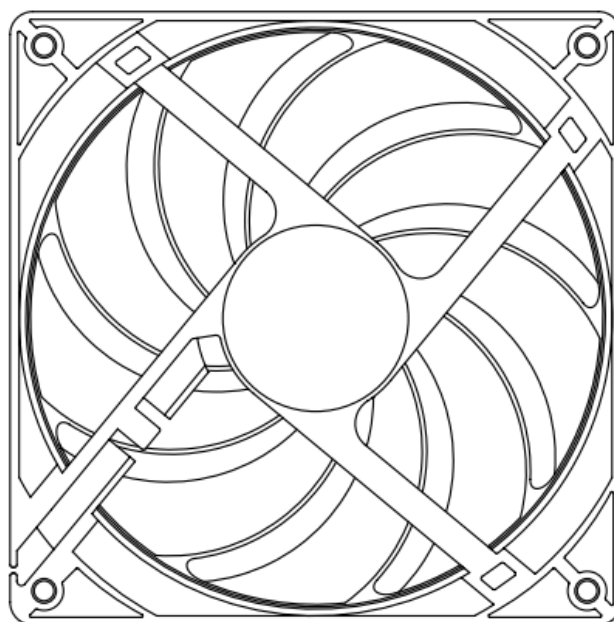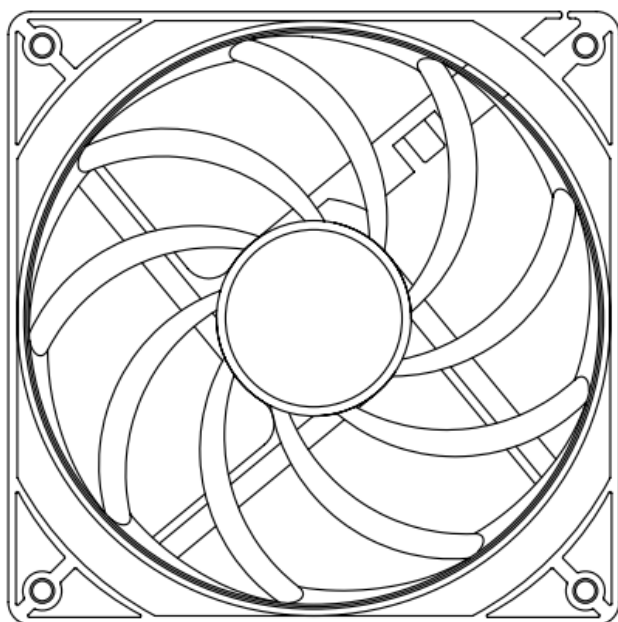

⚠ **Caution**

[Installation Guideline for Intel 10th Generation Motherboard User] CNPS10X PERFORMA BLACK Fan may have interference with FET passive heatsink over 30mm high.

Cable Connection

1) Connection to other motherboards

CNPS10X Performa Black

A PWM Fan Cable

Motherboard

Fan Specifications

Dimensions	135 x 135 x 25(H)mm
Bearing Type	EBR Bearing
Speed	700~1,500RPM ±10%
Max. Noise Level	27d B(A) ±10%
Max. Air Flow	75.16CFM
Max. Air Pressure	1.35mmH20
Control Method	PWM Control
Life Span	50,000 hours

Certification

CE RoHS This mark, designed by Zalman, indicates product compliance with the European Union's RoHS (Restriction of Hazardous Substances) Directive.
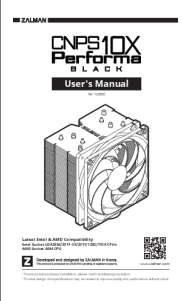
 Disposal of Old Electrical & Electronic Equipment (Applicable in the European Union and other European countries with separate collection systems)

Documents / Resources

ZALMAN CNPS10X PSU Cases CPU Coolers [pdf] User Manual
CNPS10X PSU Cases CPU Coolers, CNPS10X, PSU Cases CPU Coolers, Cases CPU Coolers , CPU Coolers, Coolers

References

- **zalman.com**
- **User Manual**