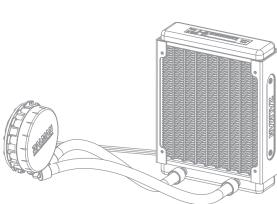
CNPS20LQ To ensure safe and easy installation, please read the following precautions. www.zalman.com Step 3 ASSEMBLE METAL RETENTION KIT Combine | and | according to diagram.



Liquid CPU Cooling system

Intel Socket 2011 / 1366 / 1156 / 1155 CPUs AMD Socket FM2 / FM1 / AM3+ / AM3 / AM2+ / AM2 CPU & APUs



Precautions & Specifications

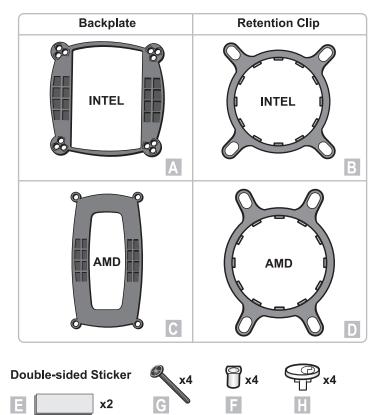
1. Precautions

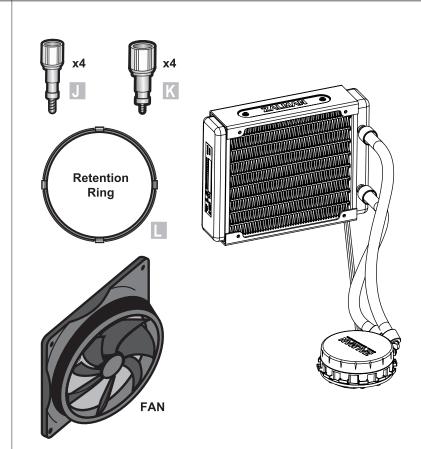
- 1) Excessive force exerted on the fan may cause damage to the fan and/or system.
 2) Use and keep product away from reach of children and pets.
 3) Check the components list and condition of the product before installation.
- If any problem is found, contact the retailer to obtain a replacement. 4) Zalman Tech Co., Ltd. is not responsible for any damages due to overclocking. 5) Product design and specifications may be revised to improve quality and

2. Specifications

-р		
Dimensions (Radiator)		153(L) x 120(W) x 38(H)mm
Weight (Water Block)		195g
Material		Base: Pure Copper / Fins: Aluminum
Fan	Dimensions	120(L) x 120(W) x 25(H)mm
	Speed	900 - 2,000rpm ± 10%
	Bearing	Long life bearing
	Speed Adjustment	PWM (Pulse Width Modulation)
Connector		4-Pin (Fan), 3-Pin (Pump)
PWM Duty Cycle		30 - 100% ± 5%
Rated Voltage		DC 12V

Components



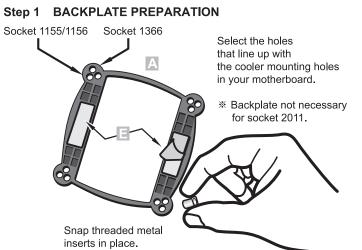


Installation

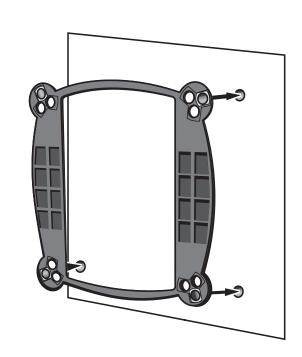
The following steps are for INTEL sockets (For AMD sockets, use C & D instead.)

Socket 2011 — Skip directly to Step 3. Attach screws K directly into the CPU socket studs. (Backplate not necessary)

Step 1 BACKPLATE PREPARATION



Step 2 ADHERE BACKPLATE TO THE REAR OF MOTHERBOARD



Line up inserts with holes on the back of motherboard.



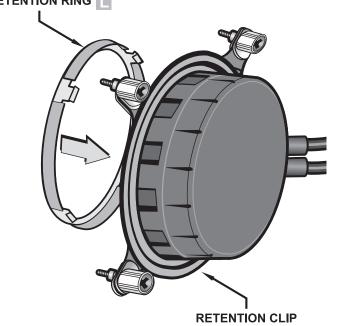
for Socket 2011 only

for Socket 1366,

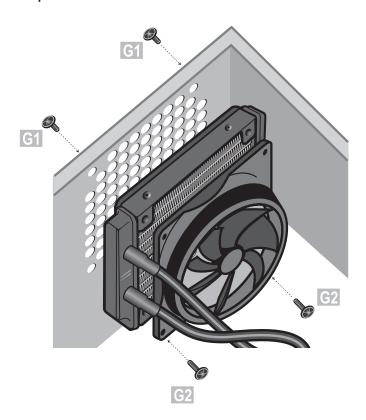


Step 4 a. ATTACH RETENTION CLIP (or) for AMD) TO PUMP b. INSERT THE RETENTION RING 📗 INTO THE SPACE BETWEEN RETENTION CLIP & PUMP

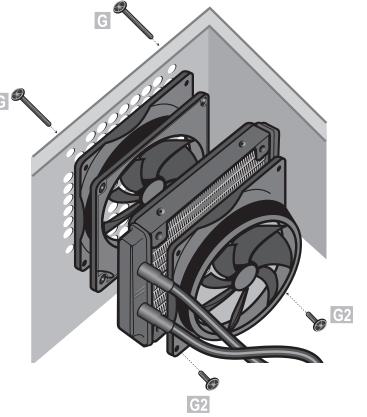
RETENTION RING



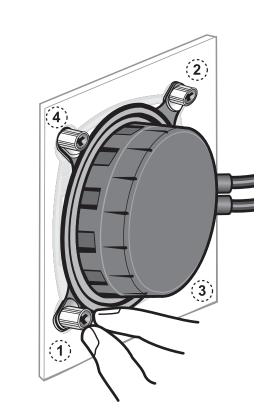
Step 5 MOUNT RADIATOR & FAN TO CHASSIS



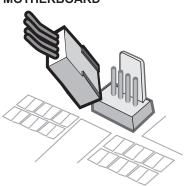




a. ATTACH PUMP TO MOTHERBOARD **b. TIGHTEN SCREWS IN AN "X" PATTERN**



PLUG FAN CABLE INTO 4-PIN CPU FAN HEADER



CONNECT PUMP CABLE INTO A 3-PIN FAN HEADER ON MOTHERBOARD

