USER MANUAL

THERMALRIGHT®
low Temperature high Performance

FROZEN WARFRAME PRO

Customizable LCD Screen
High Performance Fan and Pump
Addressable RGB Lighting

REV:1.0

用户手册

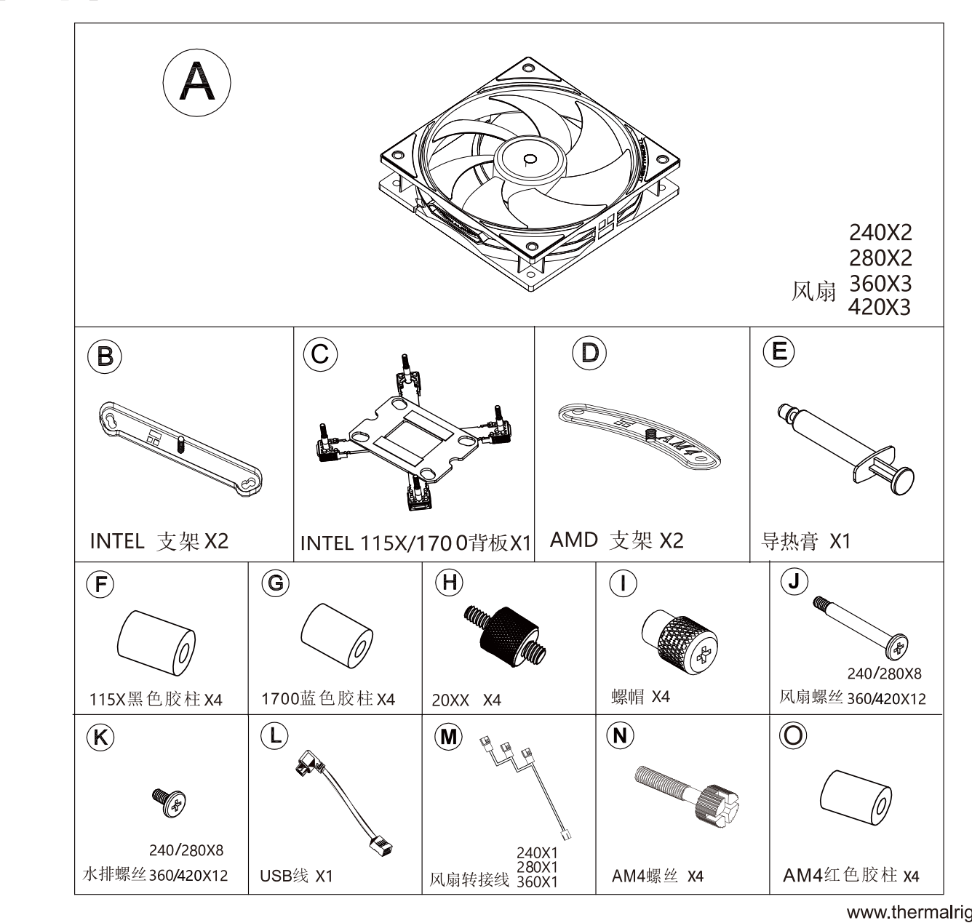
THERMALRIGHT®
low Temperature high Performance

FROZEN WARFRAME PRO

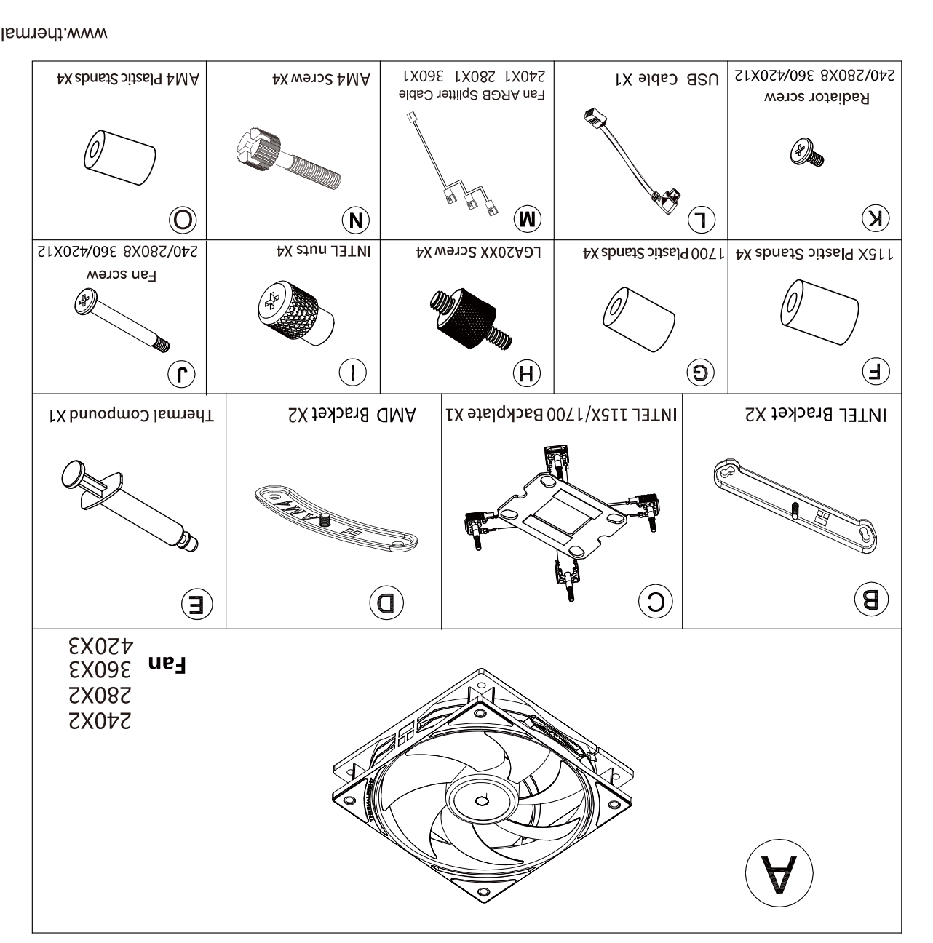
水冷专用的高性能PWM风扇
配备高扬程 高性能水泵
新型大面积冷排

REV:1.0

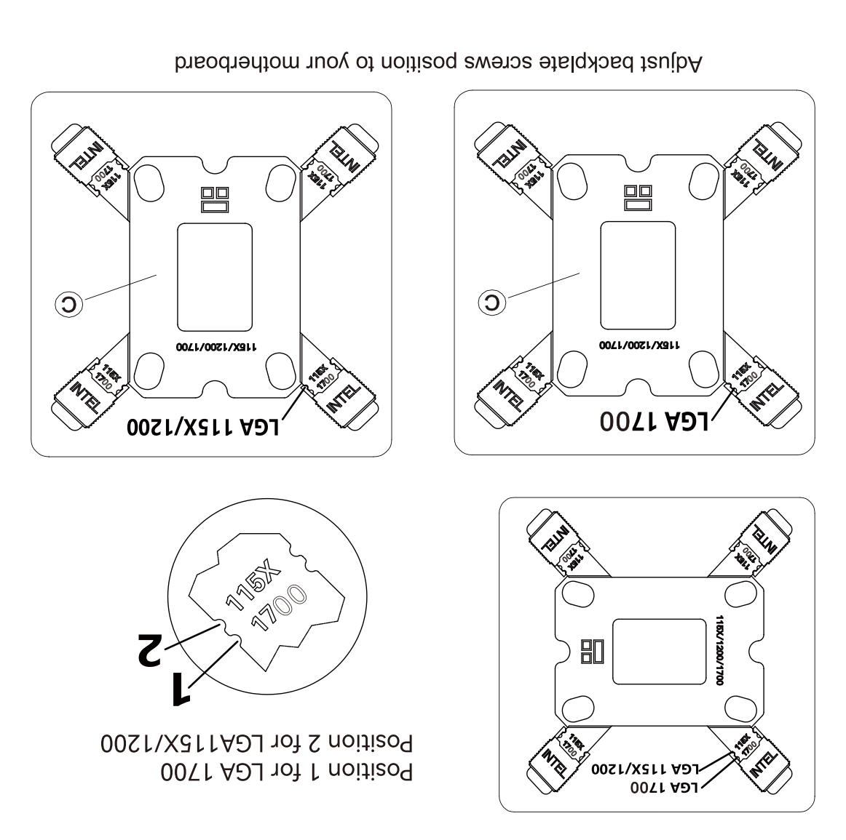
附件清单


A
风扇 240X2 280X2 360X3 420X3
B INTEL 支架 X2
C INTEL 115X/1700背板X1
D AMD 支架 X2
E 导热膏 X1
F 115X黑色胶柱X4
G 1700蓝色胶柱X4
H 20XX X4
I 螺帽 X4
J 风扇螺丝 240/280X8 360/420X12
K 水排螺丝 240/280X8 360/420X12
L USB线 X1
M 风扇转接线 240X1 280X1 360X1
N AM4螺丝 X4
O AM4红色胶柱 X4

Components


A
Fan 240X2 280X2 360X3 420X3
B INTEL Bracket X2
C INTEL 115X/1700 Backplate X1
D AMD Bracket X2
E Thermal Compound X1
F 115X Plastic Stands X4
G 1700 Plastic Stands X4
H LGA20XX Screw X4
I INTEL nuts X4
J Fan screw 240/280X8 360/420X12
K Radiator screw 240/280X8 360/420X12
L USB Cable X1
M Fan ARGB Splitter Cable 240X1 280X1 360X1
N AM4 Screw X4
O AM4 Plastic Stands X4

INTEL LGA 115X/1700 Adjust intel backplate

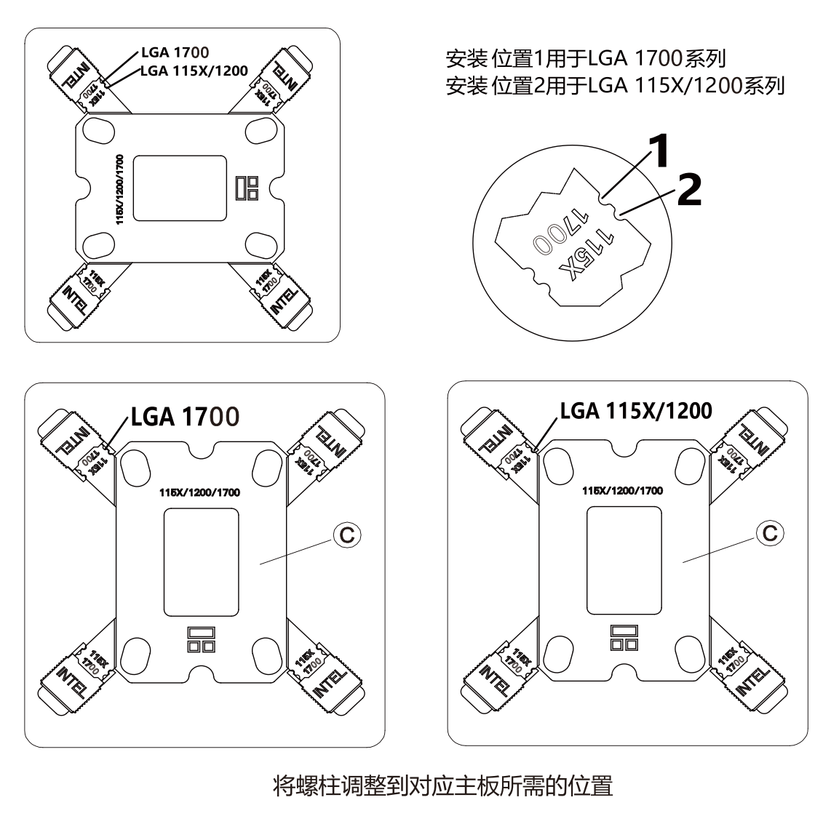

LGA 115X/1200
LGA 1700
C
115X
1700
1
2
LGA 1700
LGA 115X/1200

Position 1 for LGA 1700
Position 2 for LGA115X/1200

Adjust backplate screws position to your motherboard

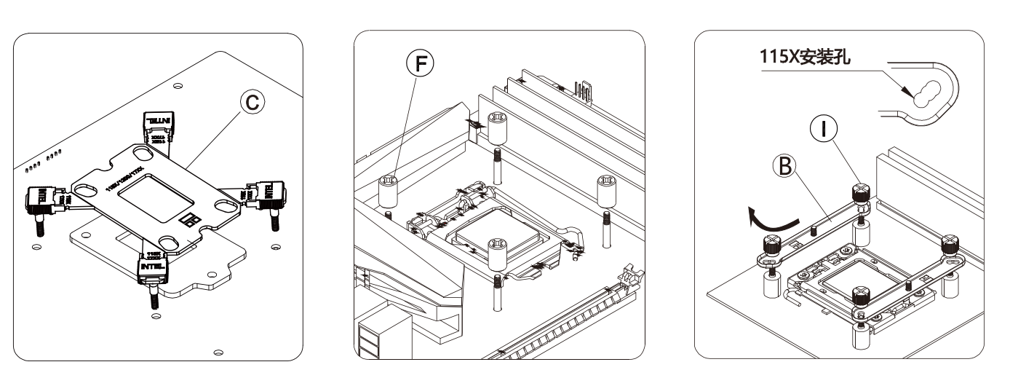
INTEL LGA 115X/1700安装背板

安装位置1用于LGA 1700系列
安装位置2用于LGA 115X/1200系列

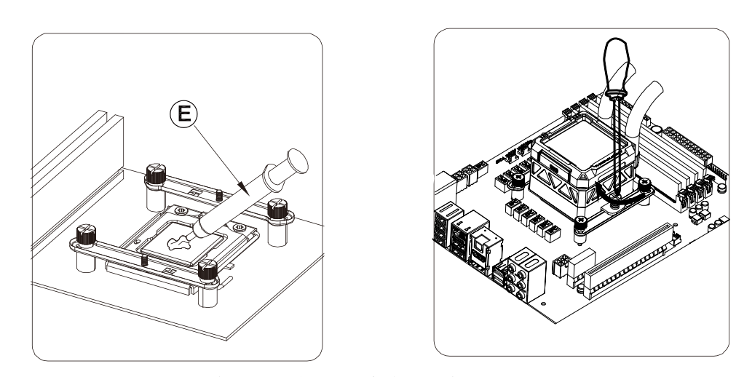

LGA 1700
LGA 115X/1200
1
2
115X
1700
LGA 1700
LGA 115X/1200
C

将螺柱调整到对应主板所需的位置

INTEL LGA115X/1200安装

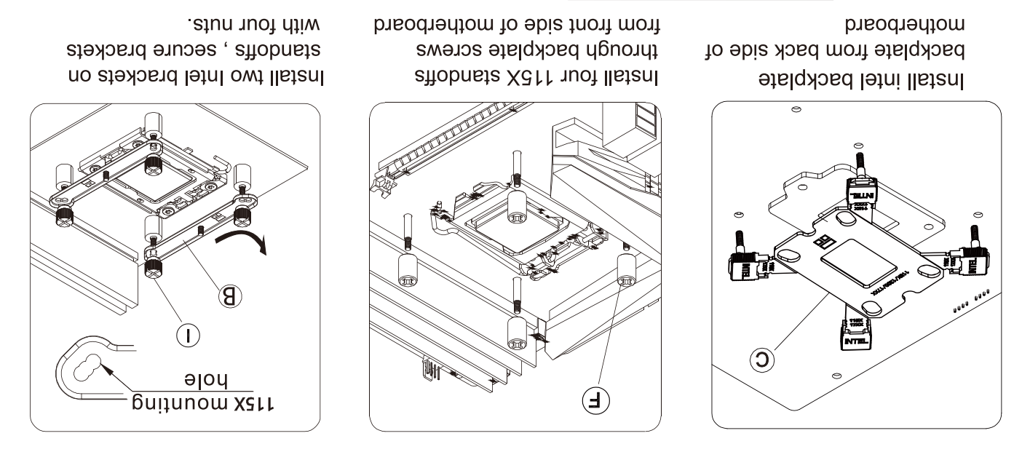

C
F
115X安装孔
I
B

撕掉背板贴膜，将背板的4个螺柱穿过LGA115X孔位，固定在主板背面
然后正面放置1200塑胶柱和INTEL支架，再用螺母固定INTEL支架.



涂好导热膏，然后将冷头压在CPU上，
将压杆扣具螺杆用螺丝刀锁紧.

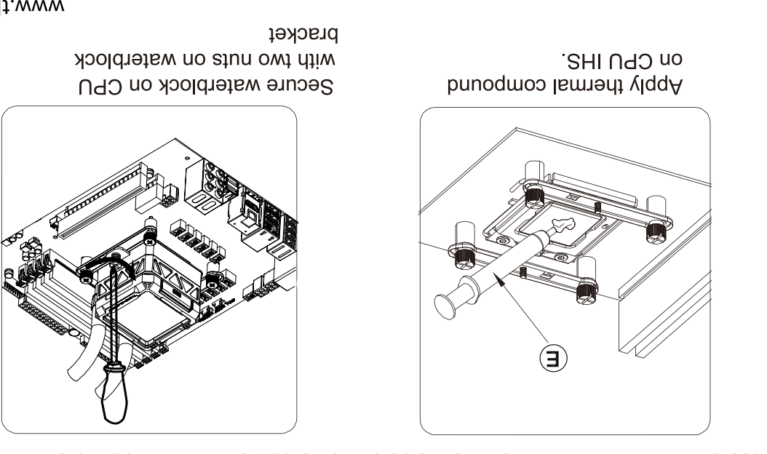
INTEL LGA115X/1200 Installation


115X mounting hole
I
B
F
C

Install intel backplate from back side of motherboard

Install four 115X standoffs through backplate screws from front side of motherboard

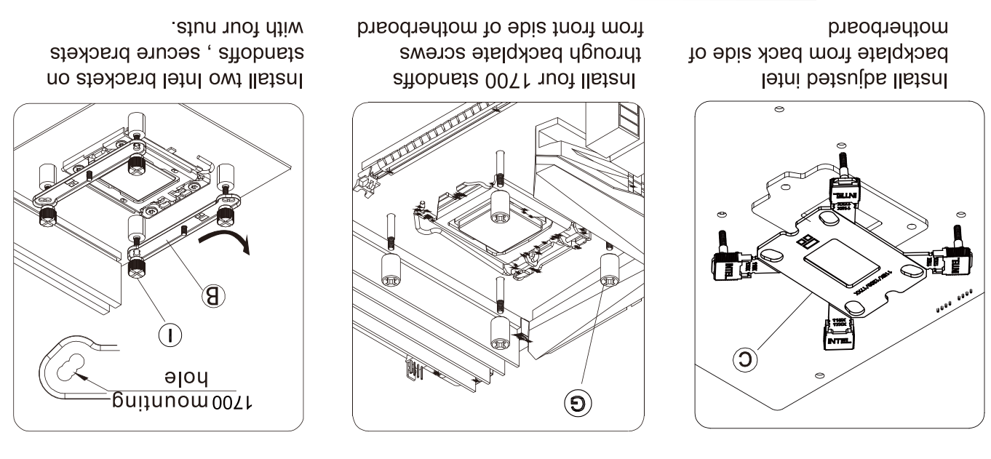
Install two Intel brackets on standoffs , secure brackets with four nuts.



Apply thermal compound on CPU IHS.

Secure waterblock on CPU with two nuts on waterblock bracket

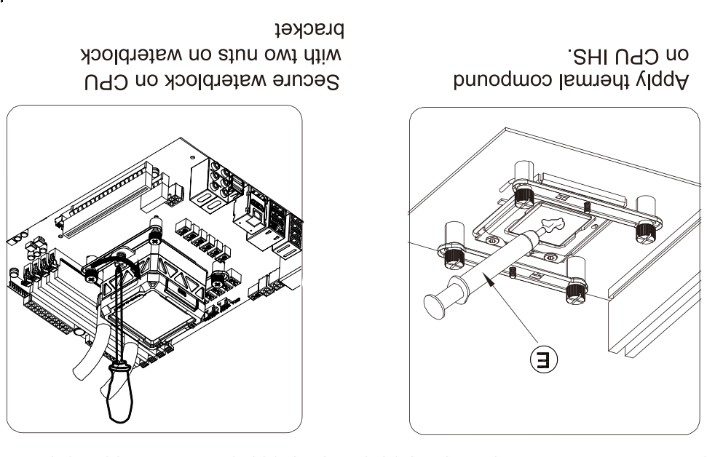
INTEL LGA1700Installatio n


1700 mounting hole
I
B
G
C

Install adjusted intel backplate from back side of motherboard

Install four 1700 standoffs through backplate screws from front side of motherboard

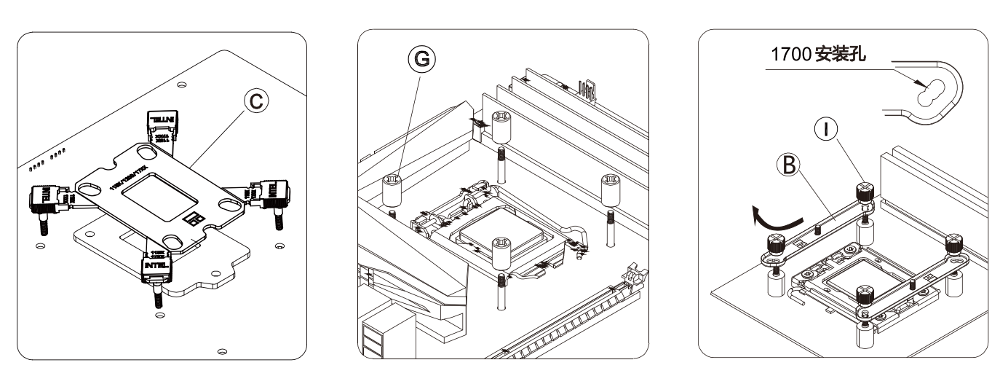
Install two Intel brackets on standoffs , secure brackets with four nuts.



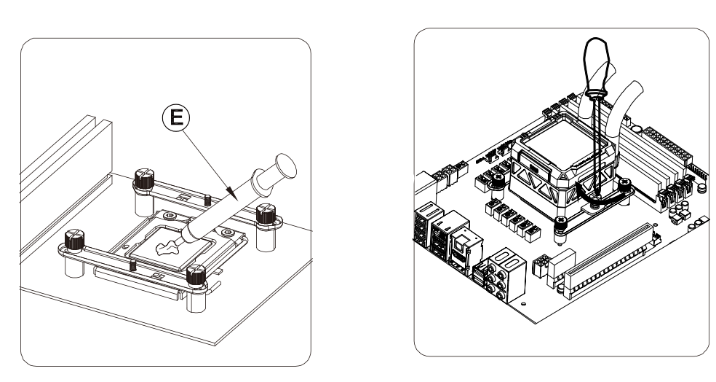
Apply thermal compound on CPU IHS.

Secure waterblock on CPU with two nuts on waterblock bracket

INTEL LGA1700 安装

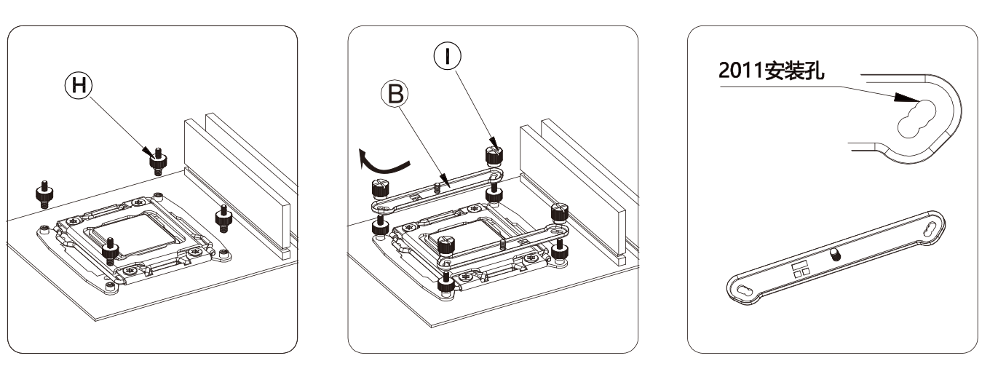

C
G
1700 安装孔
I
B

撕掉背板贴膜，将背板的4个螺柱穿过LGA1700孔位，固定在主板背面
然后正面放置1700塑胶柱和INTEL支架，再用螺母固定INTEL支架.

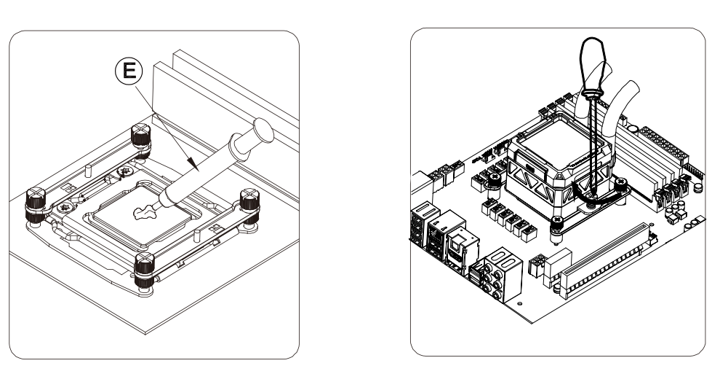


涂好导热膏，然后将冷头压在CPU上，
将压杆扣具螺杆用螺丝刀锁紧.

INTEL LGA20XX 安装

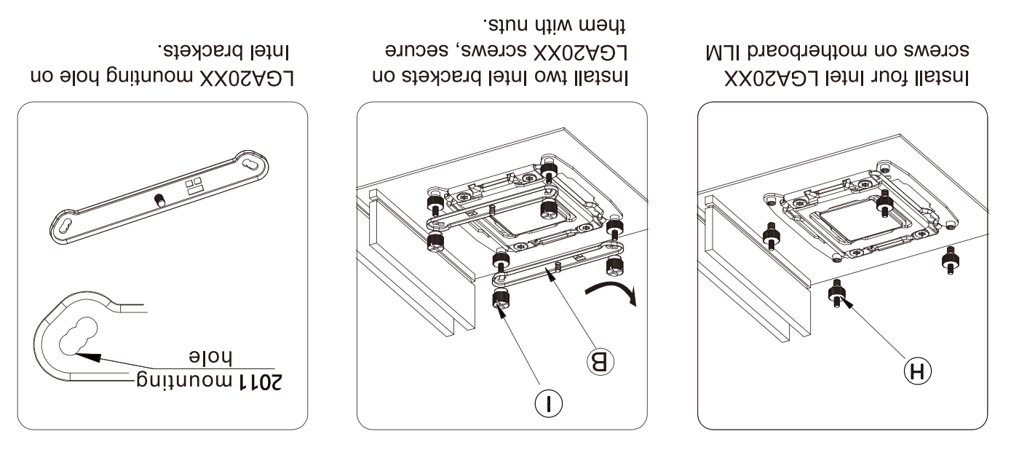

H
I
B
2011安装孔

将LGA20XX螺柱拧到主板，然后放置支架，再用螺母固定INTEL支架.



涂好导热膏，然后将冷头压在CPU上，
将压杆扣具螺杆用螺丝刀锁紧...

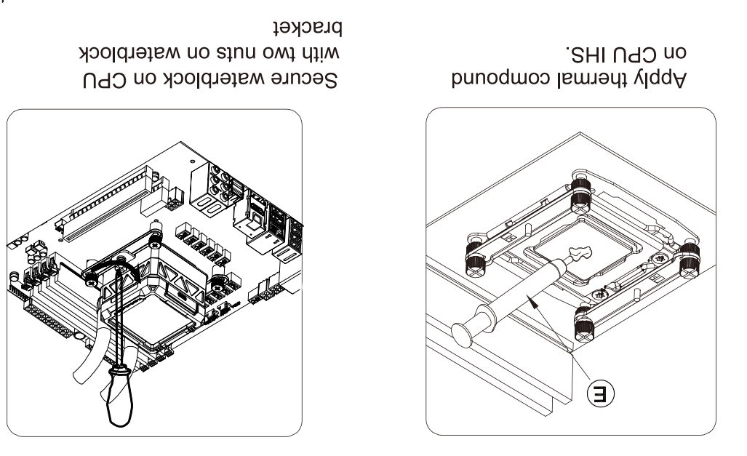
INTEL LGA20XX Installation


2011 mounting hole
I
B
H

Install four Intel LGA20XX screws on motherboard ILM

Install two Intel brackets on LGA20XX screws, secure them with nuts.

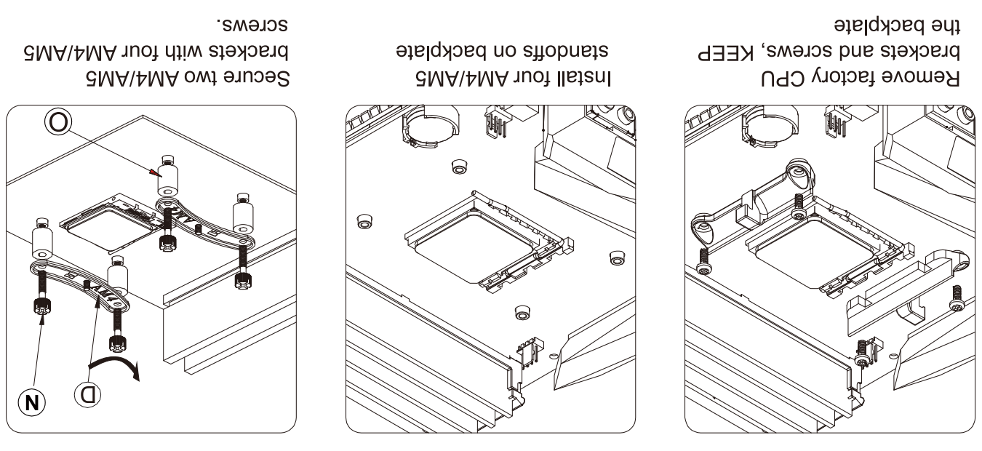
LGA20XX mounting hole on Intel brackets.



Apply thermal compound on CPU IHS.

Secure waterblock on CPU with two nuts on waterblock bracket

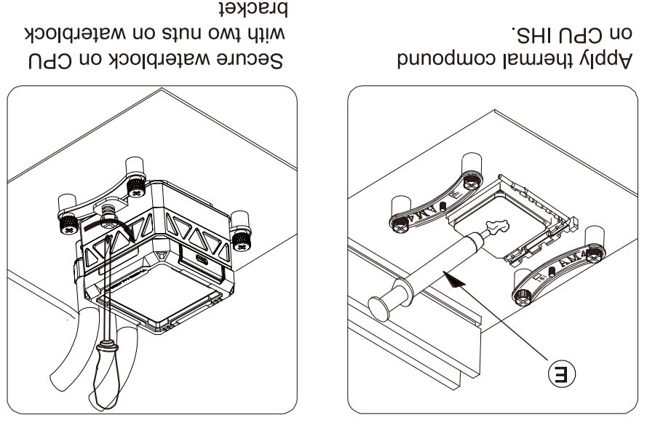
AMD AM4/AM5 Installation



Remove factory CPU brackets and screws, KEEP the backplate

Install four AM4/AM5 standoffs on backplate

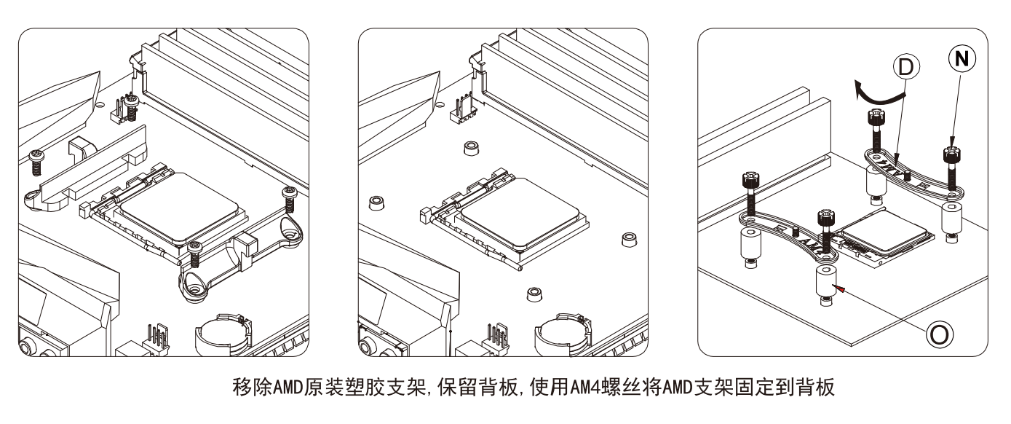
Secure two AM4/AM5 brackets with four AM4/AM5 screws.



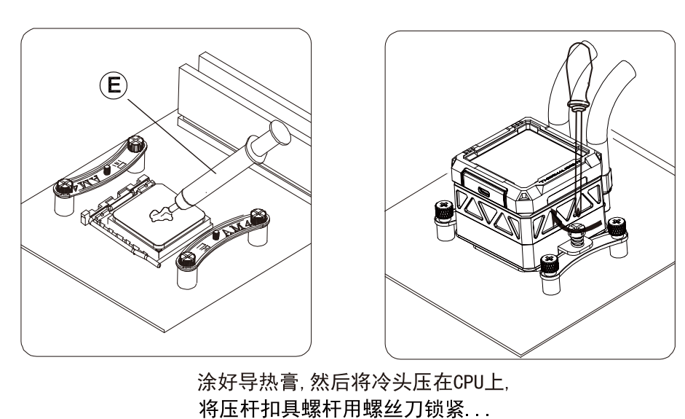
Apply thermal compound on CPU IHS.

Secure waterblock on CPU with two nuts on waterblock bracket

AMD AM4/AM5安装

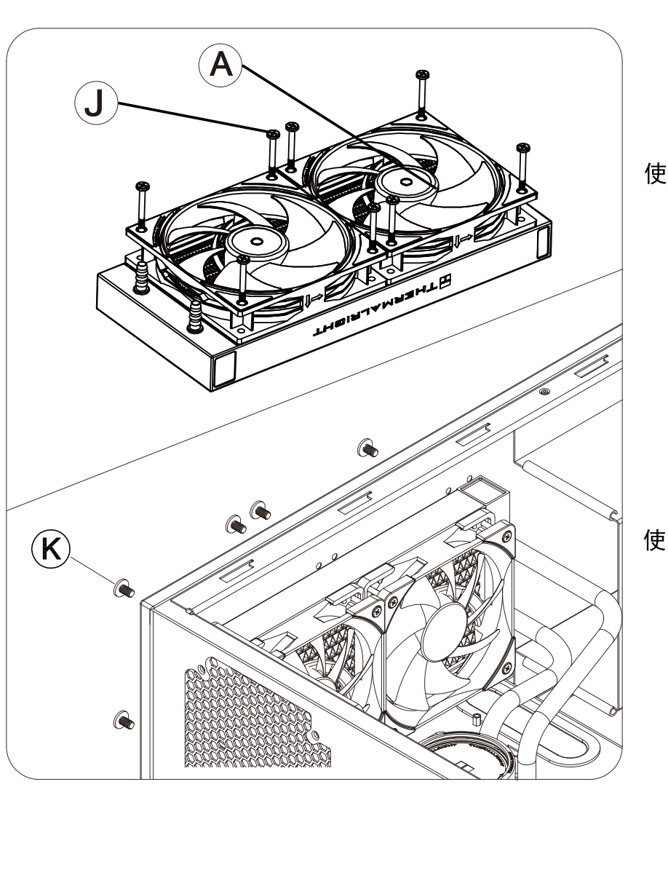


移除AMD原装塑胶支架，保留背板，使用AM4螺丝将AMD支架固定到背板



涂好导热膏，然后将冷头压在CPU上，
将压杆扣具螺杆用螺丝刀锁紧...

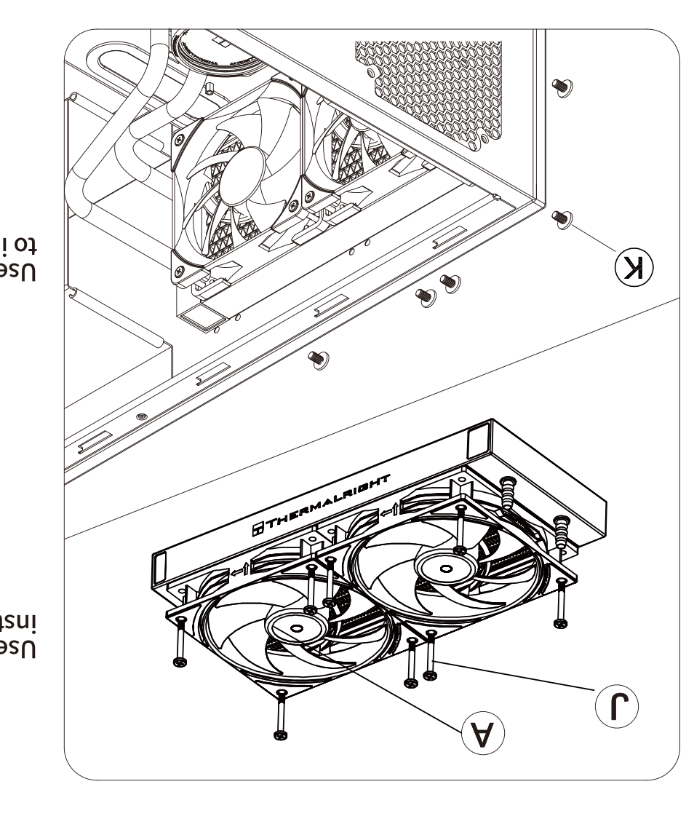
风扇与冷排安装



使用风扇螺丝，将风扇固定在水排上；

使用水排螺丝，将水排固定在机箱上。

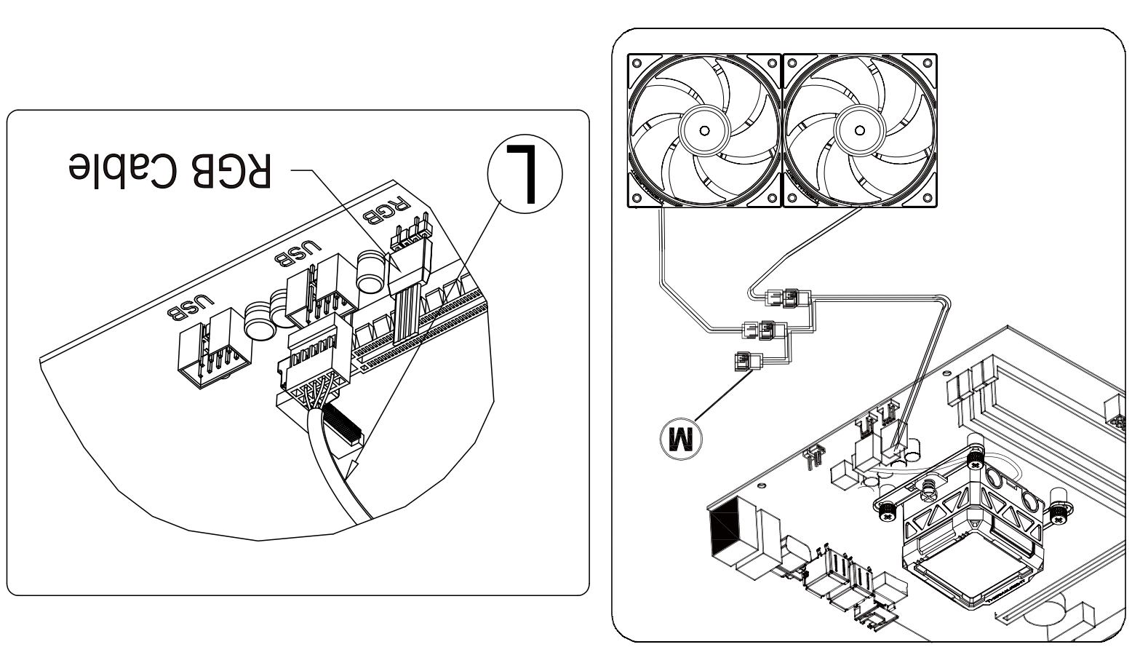
Fan&Radiator Mounting



Use short radiator mounting screws to install radiator to the case.

Use long fan mounting screws to install fans on the radiator.

Waterblock/Fan Guide


RGB Cable
L
USB
USB
RGB
M

- Connect the waterblock pump power cable to CPU_OPT or AIO PUMP socket

Connect fan power cable to CPU_FAN socket on motherboard.

Connect waterblock to motherboard USB socket with USB cable.

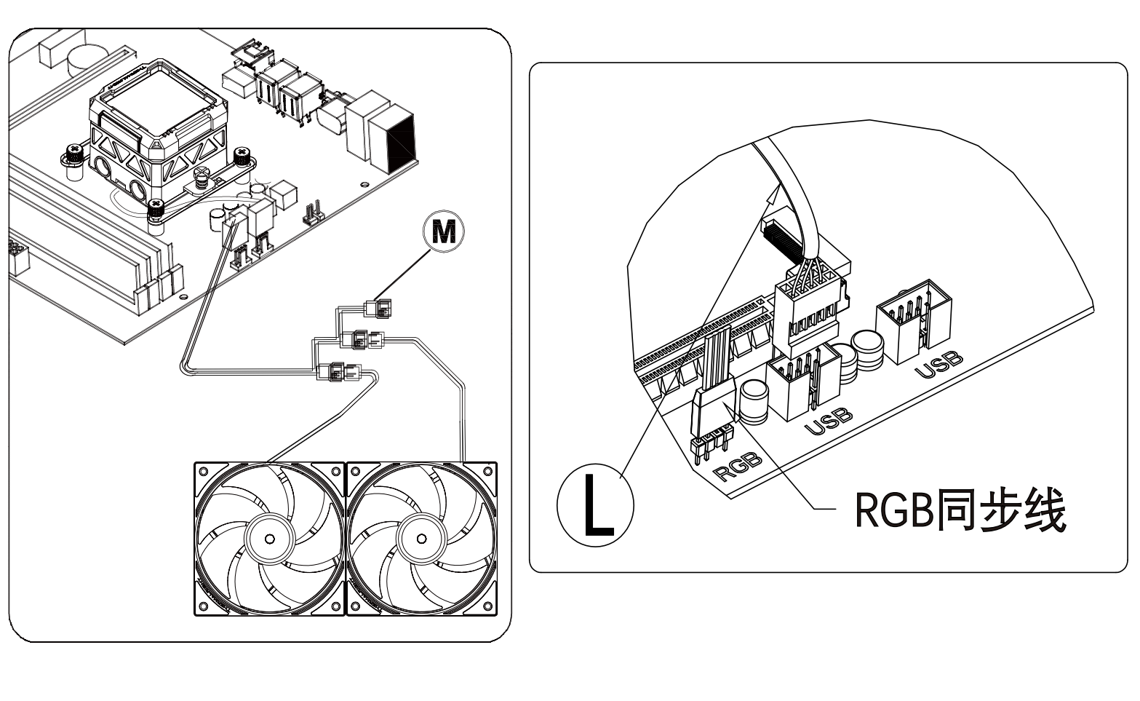
Connect FAN ARGB cable to ARGB socket on motherboard.

冷头/风扇使用说明

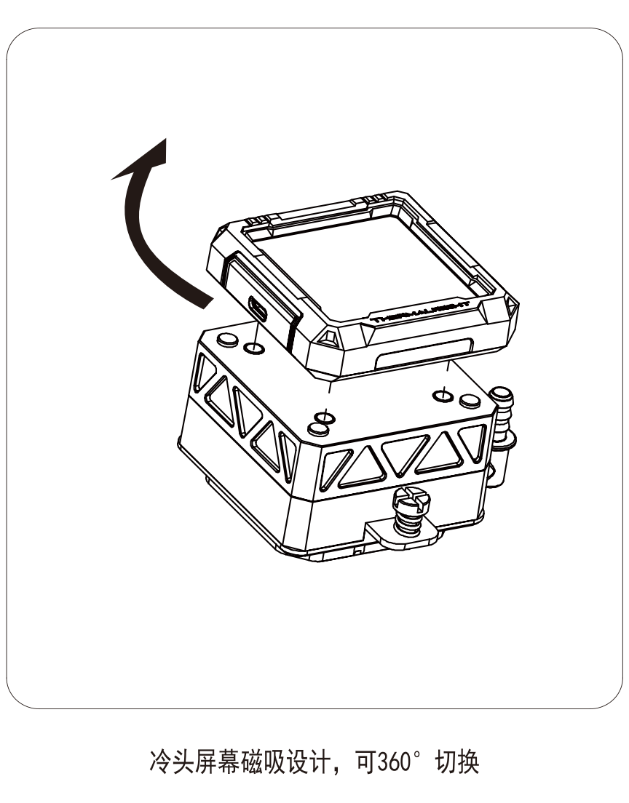
- 在主板上安装供电线和RGB线

将冷头供电线接在主板 CPU OPT或者AIO PUMP接口。
风扇供电线接在主板 CPU_FAN接口。

将USB线Type-C接口接到冷头Type-C接口，
再将USB接口接到 主板USB接口。
将风扇ARGB线接到主板3针ARGB接口，
通过主板的灯光控制软件来控制等效

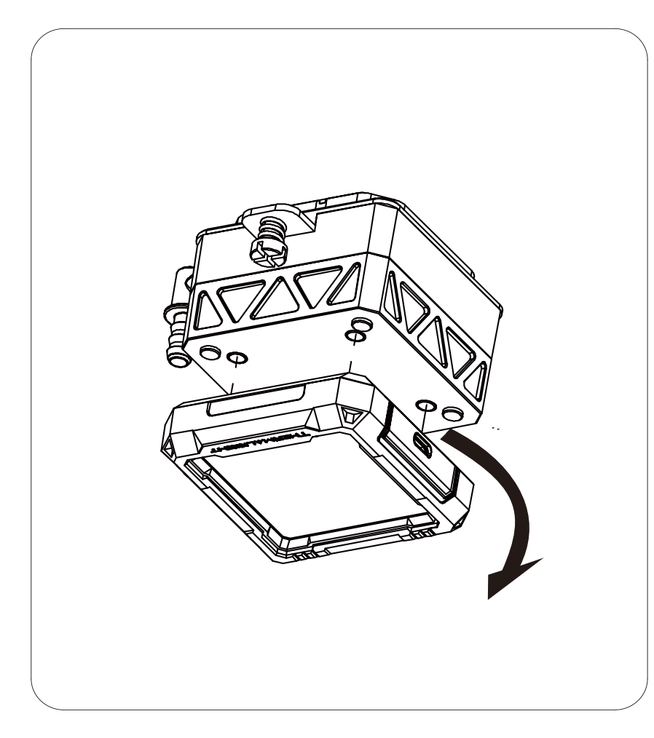

M
L
RGB
USB
USB
RGB同步线

冷头上盖操作说明



冷头屏幕磁吸设计，可360°切换

Rotate waterblock panel.



Magnetic Waterblock Panel can be adjusted to four directions.

FROZEN WARFRAME PRO DISPLAY USER GUIDE

1.Check 9 pin USB cable connection between waterblock and motherboard before installing.

2.Download software at:
https://www.thermalright.com/support/download/
Unzip setup file and start install by double click setup.

3.After install completed, double click shortcut icon on desktop to run software.

4.All functions on LCD are controlled by software, and software will auto start at OS boot. Please do not exit the program.

5.For unknown error, restart the display by re-plug USB cable on waterblock.

FROZEN WARFRAME PRO 系列水冷液晶屏控制软件说明

1.液晶屏的供电和数据通信传输均由主板9针USB接口提供。
软件安装前请确认接线完整

2.软件可在官网下载:
https://www.thermalright.com/support/download/
解压并双击安装程序安装

3.桌面双击 软件快捷方式图标运行软件

4.本液晶屏的实时数据监控/数据传输/开启关闭等等功能均由软件控制。安装完成默认随电脑开机启动，并在任务栏常驻后台，请勿关闭/强制退出。

5.如遇到未知不可控情况，可拔插冷头上Type-C接口进行硬件重启

THERMALRIGHT®
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www.thermalright.com

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联系电话：	
产品名称：	
产品型号：	
购买日期：	

尊敬的用户：

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3.由于用户不当使用造成的损坏，如液体注入，外力受损等
4.由于环境因素、或者不可抗力因素造成的产品损害
5.用户自行拆卸、修理或由第三方非指定维修站点修理
6.使用环境不符合国家有关规定，如3C认证规定等
7.出现其他不符合三包售后相关规定的情况者
8.超过三包有效期限的，或不符合产品质保服务范围者
9.未按产品使用说明的要求使用、维护、保管而造成的损坏者
10.对于维修服务中更换下来的零件，均不交还用户，敬请谅解
11.本保修卡中内容如有与国家规定不符之处，以国家规定为准

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邮编：23145

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