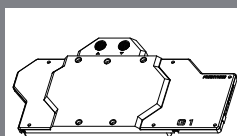


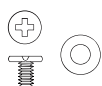
PACKAGE CONTENTS



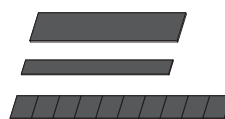
Glacier G1080 Water Block
(GIGABYTE GTX 1080 G1 Gaming)
QTY: 1



Thermal Compound (PH-NDC_01)
QTY: 1



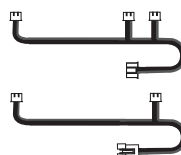
M2.5x5
QTY: 11 (spare 4 pcs.)



Thermal Pads
QTY: 3
Description:
For applying on circuit board on GPU



Phanteks Plugs
QTY: 2



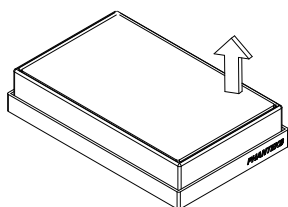
Phanteks RGB Cable
QTY: 1
Phanteks RGB Cable for Phanteks Case
QTY: 1

⚠️ DISCLAIMER - This product is intended for advanced users. Please consult with a qualified technician for installation, improper installation may result in damage to your equipment. While all efforts have been made to provide the most comprehensive information possible, Phanteks assumes no liability expressed or implied for any damage(s) occurring to your components as a result of using Phanteks cooling products, either due to mistake or omission on our part in the below instructions, or due to failure or defect in the Phanteks cooling products.

⚠️ WARNING - Turn off the power to your system and discharge your body's static electric charge by touching a grounded surface – for example, the metal surface of the power supply or chassis – before performing any hardware procedure. Phanteks assumes no liability for any damage, caused directly or indirectly, by improper installation of any components. If you do not feel comfortable with performing the installation procedure, consult a qualified computer technician.

*Please do not disassemble the water block. Warranty will be voided.

INSTALLATION



STEP 1. REMOVING STOCK COOLER



TAKE OUT THE TOP EVA-FOAM LAYER FROM THE BOX TO USE AS BASE FOR YOUR GPU PLACEMENT.

Remove all highlighted screws. All heat sink assembly screws should be removed, including self-adhesive washers on both sides of the PCB (if present).



MAKE SURE TO UNPLUG THE FAN AND RGB LED CABLES WHEN YOU REMOVE THE HOUSING.

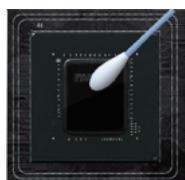


STEP 2. APPLYING THERMAL COMPOUND

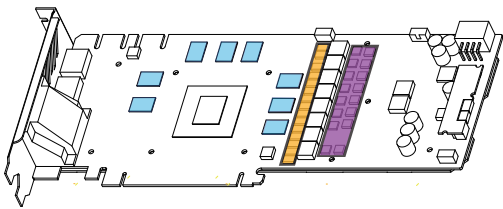
Wipe off the remains of the original thermal compound until components and Circuit board are completely clean (we recommend using an isopropanol cleaning pad). Apply a light coat (see image) of the PH-NDC_01 thermal paste.



LIGHTLY COAT NVIDIA GPU CHIP WITH ENCLOSED THERMAL PASTE.



STEP 3. PLACING THERMAL PADS ON PCB



for memory IC	
for Vdd VRM	
for Vdd MOSFET	

Place thermal pads on the circuit board as shown on the picture below. Refer to numbering in previous picture when applying thermal pads of different sizes or thickness. Phanteks made sure to provide customers with more than adequate quantity of thermal pads to complete this step.

Position 1: 16 x 13 x 0.75mm

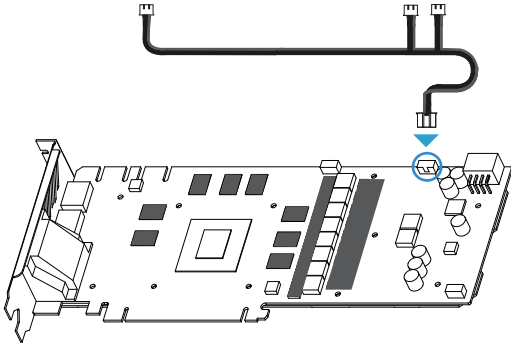
Position 2: 10 x 90 x 0.75mm

Position 3: 20 x 90 x 1.25mm

FOR THERMAL PAD 2 & 3, ADJUST AND CUT LENGTH ACCORDING TO GPU VDD VRM CHIPS/MOSFET CHIPS.

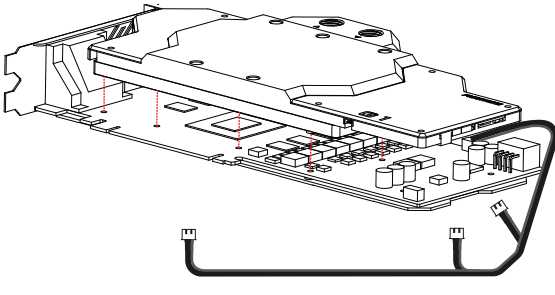
STEP 4. CONNECTING THE RGB LED

Make sure to connect the RGB LED cable from the waterblock to the GPU PCB RGB Header. (see illustration)



STEP 5. PLACING THE BLOCK ON TO THE GRAPHICS CARD

Carefully position the water block onto the graphics card. During this process please make sure you align mounting holes on the PCB with holes on the water block.

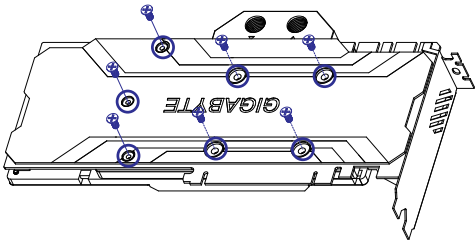


Use the included 7x M2.5x5 screws and washers (shown in blue) to tighten the block to the GPU core.



MAKE SURE TO LAY THE GPU WITH WATER BLOCK FLAT DOWN WITHOUT RESTING ON THE PCI.

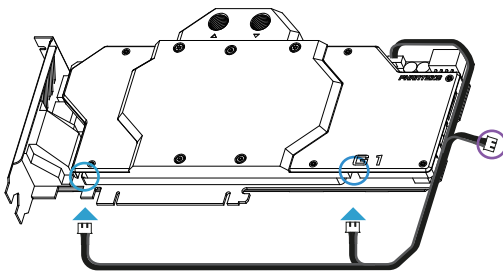
DO NOT USE TOO MUCH FORCE BY PRESSING THE BLOCK DOWN TO THE PCB. CHIP DIES ARE PRONE TO CRACKING.



Once the water block is in place, plug in the remaining RGB LED cable connector to the water block as shown in the illustration.

Optional Upgrade

Sync the lighting with a Phanteks case / RGB Motherboard using the Phanteks upgrade kit (not included).



STEP 6. INSTALLATION OF FITTINGS AND TUBING

Screw in the two G1/4 threaded male fittings, attach the liquid cooling tubes and connect the water block(s) into the cooling circuit. Phanteks recommends using Phanteks fittings with the Phanteks Glacier Series water blocks.



DO NOT FORGET TO PLUG THE REMAINING TWO OPENING.

FOR BEST PERFORMANCE, WE RECOMMEND TO MATCH THE INLET/OUTLET CONFIGURATION OF THE WATERBLOCK.

