GLACIER G1080 Ti

FOUNDERS EDITION GTX 1080 Ti

PH-GB1080Ti_BK01/CR01

PACKAGE CONTENTS

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Glacier G1080 Water Block (Nvidia GTX 1080Ti) QTY: 1	Thermal Pads QTY: 3 Description: For applying on circuit board on GPU	Thermal Compound (PH-NDC_01) QTY: 1
M2.5x5, washers QTY: 10 (Spare 4pcs) Washers QTY: 8 (Spare 4pcs) Hex Nuts QTY: 4	Phanteks Plugs QTY: 2	Hex Socket Wrench QTY: 1
Phanteks RGB Cable for Phanteks case (Option a) QTY: 1	Phanteks RGB Adapter for motherboard 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.

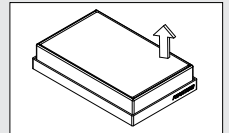*Please do not disassemble the water block. Warranty will be voided.

INSTALLATION

H4 Hex Socket Wrench needed
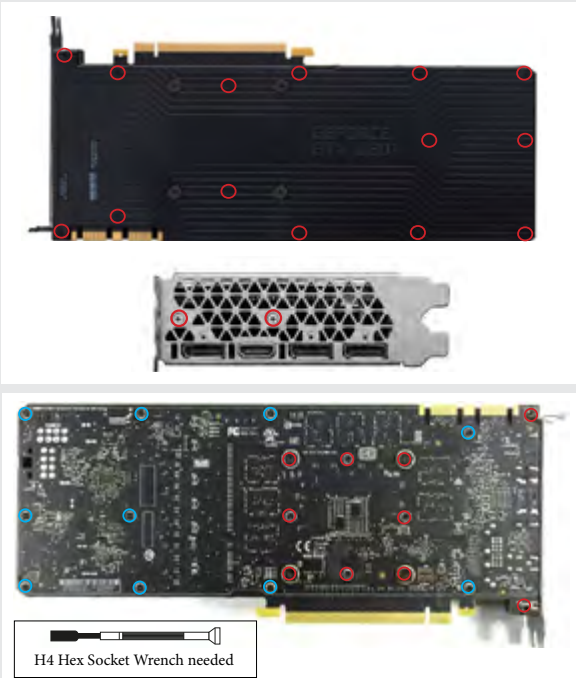
STEP 1. REMOVING STOCK COOLER

PRO TIP Take out the top EVA-FOAM from the box to use as a 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 remove the two screws located on the I/O. Keep the screws aside to use in step 5.

Unfasten the screws and use the provided H4 hex socket wrench to remove the hexagonal spacer-screws (blue). After you remove the housing, do not forget to unplug the fan.

⚠ *Make sure to keep the hexagonal spacer-screws aside for later use (Step 5).*

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 a isopropanol cleaning pad). Apply a light coat (see image) of the PH-NDC-01 thermal paste.

PRO TIP *Lightly coat Nvidia GPU Chip with the enclosed thermal paste.*
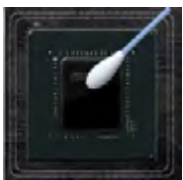
STEP 3. PLACING THERMAL PADS ON PCB

Remove the protective film and place thermal pads on the PCB as shown on the picture. A spare thermal pad is included.
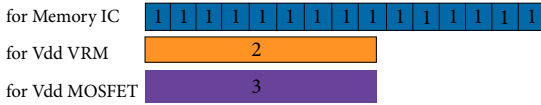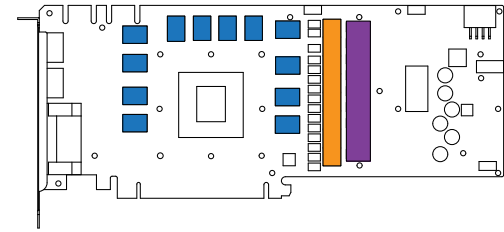
⚠️ *Make sure to remove the protective film on both sides of the thermal pads.*

for Memory IC `1 1 1 1 1 1 1 1 1 1 1 1 1 1 1`
for Vdd VRM `2`
for Vdd MOSFET `3`

Position 1: 16 x 13 x 0.75mm
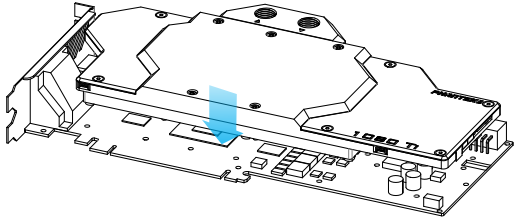Position 2: 10 x 90 x 0.75mm
Position 3: 20 x 90 x 1.25mm

✂️ *For thermal pad 2 & thermal pad 3, adjust and cut length according to MOSFET chips.*

STEP 4. PLACE THE BLOCK ON TO THE GRAPHICS CARD

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

STEP 5. INSTALLING THE BACK PLATE

hexagonal spacer-screws

H4 Hex Socket Wrench needed

Use the included four (4) M2.5x5 screws and washers(in red) to tighten the block to the GPU core. *Use the stock hexagonal spacer screws(in blud) from Step 1 that you set aside and fasten it to the PCB using the provided H4 Hex Socket Wrench.

Once the water block is installed to the PCB, take the back plate and align with the mounting holes of the hexagonal spacer-screws. Fasten the stock screws that you set aside in Step 1(in blue) to the hexagonal spacer-screws. Finally, use the two (2) included screws with the hex nut to complete the installation(in red).

💡 **PRO TIP** *Make sure to lay the GPU with the waterblock flat down without resting on the PCI bracket. Do not use too much force by pressing the block down to the PCB. Chip dies are prone to cracking.*
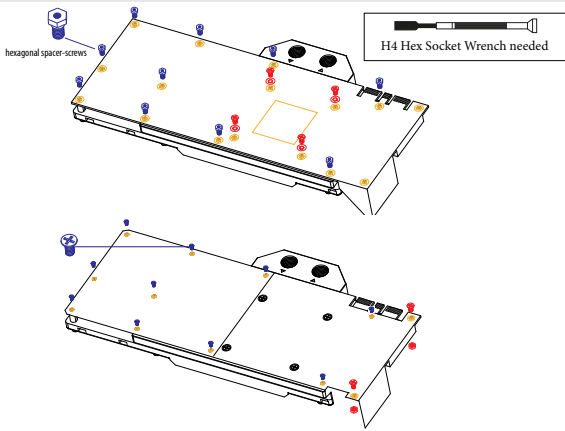
STEP 6. CONNECTING THE PHANTEKS RGB CABLE

Connect the 2 RGB connectors to the RGB LED strips. With the included RGB motherboard adapter you can now connect the waterblock directly to your RGB equipped motherboard:

To Phanteks waterblock   To RGB Motherboard

Phanteks RGB adapter   Phanteks RGB connector
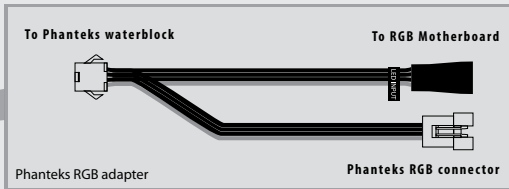
SYNC CASE LIGHTING WITH RGB MOTHERBOARD

1. Connect the RGB LED Adapter to the case RGB connector.

Case RGB connector

2. Connect the RGB LED adapter to the motherboard's RGB LED header

12V

⚠️ *Make sure the 12V pin (grey colored cable) is connected to the 12V pin on the motherboard header.*

LED INPUT

MOTHERBOARD RGB HEADER
12V G R B

3. Run the Motherboard RGB LED software and follow the instructions to set up your RGB LED lights.

💡 **PRO TIP** Selected motherboard brands will allow color callibration of your connected LED strips.
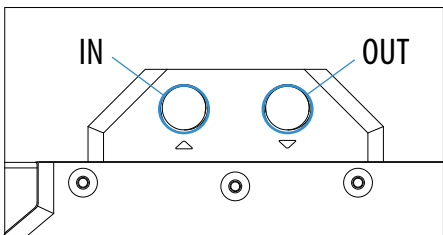
STEP 7. INSTALLALTION OF FITTINGS AND TUBING

IN   OUT

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 fitting with the Phanteks Glacier Series water blocks.

💡 **PRO TIP**
- For the best performance, we recommend to match the inlet/outlet configuration of the water block.
- Do not forget to plug the remaining two openings.
- Always perform a leaktest before starting your computer.