Replacement of heater block

The problem:

Replace heater block with new thermistor

1. Get access to your hot-end tip.
   a. Tripodmaker Classic:
      Remove the hot-end skit from the magnet connectors and put upside down on the build plate.
   b. Tripodmaker Black Edition:
      Remove the omega profile with 4 screws on top of the hot-end platform. Make sure you don’t burn the cables in the next few steps.

2. Heat up the nozzle to 210 degrees by browsing through your menus on your Tripodmaker. In case not possible, you can skip this step. More force will be required to loosen the nozzle. Alternatively, you could use a hairdryer or heat gun to loosen up the plastic around the head.

3. Once the nozzle is hot, use a wrench to keep the heater block in place and unscrew the nozzle from the heater block with a smaller wrench. Pay attention that you don’t damage the components inside the heater block. In case these are covered in plastic, you will have to replace them. Prevent rotating the heater block itself as the thermistor and heater cartridge is still connected. Pay attention that you don’t break the heat break (Piece between the heater block and the heat sink) as this is fragile piece.
4. Now remove the nozzle completely. Pay attention, this component is very hot.

5. Remove the heater cartridge from the heater block in case possible.

6. Replace the heater block with the new one and install the new thermistor and (re-)install the heater cartridge.

7. Screw the nozzle back into the heater block until it is tight.

8. Now heat up the nozzle up to 245 degrees C. Position the heater block so it is aligned. Tighten the nozzle firmly with a small wrench whilst holding the heater block with a wrench. Once the nozzle is tightened, the heater block won’t be able to turn around.
9. Remount the hot-end assembly
   a. Tripodmaker Classic:
      Remount the current hot-end assembly underneath the U-profile onto the hot-end skit.
   
   b. Tripodmaker Black Edition:
      Attach the omega profile back with the 4 screws.

10. Additional step for the Tripodmaker Classic: Tighten the nozzle slightly without holding the heater block. This is necessary to make sure the heat break sits tight inside the heat sink. In case the heater block rotates, loosen the 4 screws on top of the hot-end skit to reposition the fully assembled hot-end.

11. All done, good to go now!