

Instructions for the removal and replacement of your new HEPU® water pump



During the following procedure all the installation instructions of the vehicle manufacturer must be observed and adhered to. The installation must only be done by qualified personnel!

1. Firstly check the new HEPU® water pump to ensure that it is identical to the pump due for replacement.
2. Completely drain the cooling system of all coolant fluids according to the instructions from the vehicle manufacturer and dispose of the old coolant. **Caution: Dispose of the cooling fluid properly and do not reuse the drained cooling fluid.**
3. Flush through the cooling system with clean water to flush all impurities out. Repeat the rinse as required until you get clear running water without any traces of impurities. **Useful tip: to flush out the cooling system, it's best to use the old pump.**
4. Check the condition of all other components of the cooling system (including hoses, clamps etc.) to make sure there are no signs of any damage. Replace if necessary according to the vehicle manufacturer's instruction.
5. Thoroughly clean and degrease all mating surfaces of the engine block where the new pump will be mounted. Make sure that the surface is not damaged.
6. Position the new water pump, including the supplied seal(s) on the engine block (only use coolant as lubricant). Attach the pump using the mounting bolts: initially hand-tighten the bolts, then tighten them to the required torque setting, working in a diagonal sequence according to the vehicle manufacturer's instructions. **Note: If your new water pump requires sealant, make sure it is evenly applied and the correct curing time is observed before refilling the cooling system with fresh coolant. Further information on the use of sealants can be found in our info flyer titled „correct use of sealants“**
7. Please ensure that the new pump is correctly centred and the shaft rotates freely.
8. Check the drive belt(s) (timing belt(s) and/or accessory drive belt(s)), as well as tensioner and deflection pulleys, freewheel clutch and the belt pulley for signs of wear or damage. Replace as necessary according to the vehicle manufacturer's instructions. **Caution: Please make sure all belts are properly tensioned.**

Incorrectly installed and tensioned belts can cause damage to the bearings and ultimately damage the belt and the entire engine.

9. Connect all hoses and connectors, then fill the cooling system with the required amount of new coolant as per manufacturer's requirements.
10. Vent the cooling system as per the vehicle manufacturer's instructions and check for leakage. Please note the following: Even after using vacuum filling device, it is often necessary to start an additional ventilation programme to remove remaining air from the system. Please keep in mind the specifications from the car manufacturer. **Useful tip: During the initial running, a slight water leakage on the drain hole may occur. This is temporary and will stop after a short time.**
11. After completing the installation of the new water pump, perform a test run or a short test drive of the vehicle until the normal operating temperature is reached, and/or the cooling fan starts working.
12. Repeat the leakage check and control the level of coolant after the engine reaches ambient temperature.

PLEASE NOTE

When using a cooling fluid pump with one of the below please bear in mind:

a) Timing Belt Disc

The timing belt disc is produced according to vehicle manufacturer's specification. A louder rolling noise indicates an incorrect belt tension or belt wear.

b) Viscous Coupling

Before installing the viscous coupling, check for wear and/or damage and replace the clutch if necessary according to the vehicle manufacturer's instructions.