



Water pump installation instructions

Please take heed of the instructions to ensure that the service life of the water pump is as long and reliable as possible:

1. Drain and clean the cooling system, clean fan cavity in cylinder block as necessary.
2. Carefully remove any remains of old sealing from all motor connecting surfaces that will be sealed afterwards.
3. Support the opposite end of the shaft during installation if another pulley or hub is to be mounted on the pump. Apply pressure evenly on the pulley. Do not hit the pulley or shaft because this might damage the bearing(s).
4. New V-belts and hoses are recommended.
5. Tighten water pump bolts „crosswise“ according to vehicle manufacturer specifications. Apply correct tightening torque.
6. Turn pump by hand to check whether it turns unrestrictedly. You may feel a little friction inside the housing. This is normal.
7. Install hoses and V-belt. Adjust V-belt tension compliant to vehicle manufacturer recommendations.
8. Fill cooling system with recommended coolant and check for leaks.
9. Start the engine and leave idling until it is at its normal working temperature. Check for leaks..
10. Immediately after installing the water pump, a little amount of water may escape after a brief test run, the reason being that the new shaft seal (end face mechanical seal with rigid ring) will not run in and be leak-tight until after 1 to 3 operating hours. The pump therefore need not be replaced before the end of this running-in period.



Never stand near or next to the fan when the engine is running. Do not allow the water pump to run dry. Check the coolant level.