

Water Pump Replacement Caution for 1998-2003 Chrysler 2.7L VIN R, U & V Engines

The AERA Technical Committee offers the following information regarding water pump replacement for 1998-2003 Chrysler 2.7L VIN R, U & V engines. According to Chrysler engine warranty administrators many water pumps for these engines have been replaced needlessly.

These replaced pumps were replaced as the result of visual observation of traces of a thin black stain running down the pump weep passage as shown in Figure 1. According to Chrysler a slight amount of stain below the water pump weep hole/passage is considered normal operation. Replace the pump only if a heavy deposit or a steady flow of engine coolant is evident from the weep passage. Of course, also replace the pump if it shows bearing damage or cracking.

The water pump for this engine is an internal design as shown in Figure 2. Currently, five hours of labor time is allowed for pump replacement. Technicians may be confronted with an additional complaint after a replacement pump is installed if it is observed to weep. It is advised to carefully monitor and confirm coolant level loss before replacing the water pump for this engine.

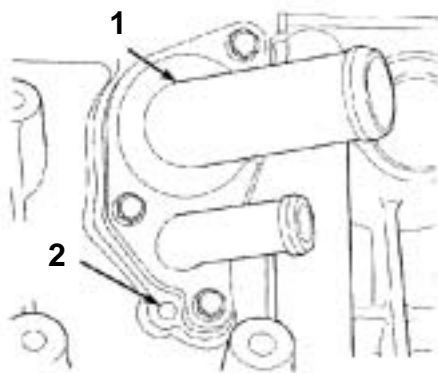


Figure 1 - Water Pump Weep Passage

1. Thermostat Housing/Coolant Inlet
2. Water Pump Weep Passage

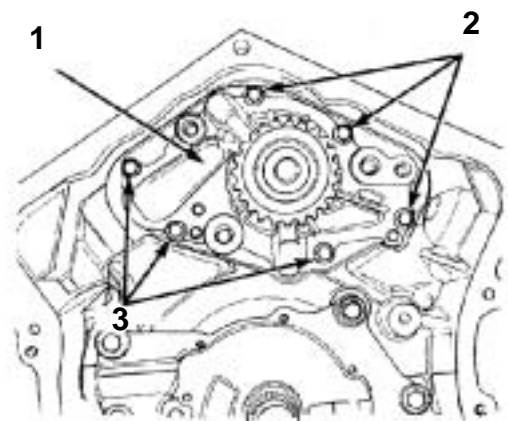


Figure 2 - Internal Water Pump Location

1. Water Pump
2. Bolts
3. Bolts

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