



INA Service Info



Installing coolant pumps correctly

Installation without additional sealant

One of the most frequent causes of coolant pump failure is a damaged rotating mechanical seal.

When a coolant pump shaft is sealed with a flat gasket or an O-ring seal, NO additional sealant should be applied during installation.

If additional sealant is applied it forms a bead on the inner section of the casting, this is removed with the coolant flow, and becomes wrapped around the rotating pump shaft between the housing, and the impeller. The coolant pressure, forces the sealant residue into the rotating mechanical seal (Fig.1) and causes component failure.

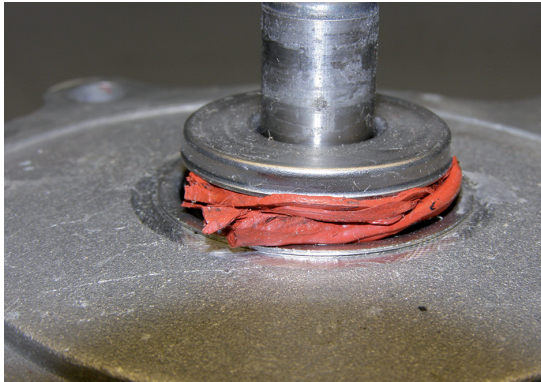


Fig. 1: Hardened sealant on pump shaft between housing and impeller (disassembled)



Fig. 2: Coolant pump KIT with paper gasket

Before mounting a new coolant pump, use a scraper or a soft scouring pad to prepare and clean the seal surfaces.

Please observe the vehicle manufacturer specifications!

You want more? We can help!

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