

WATER PUMP INSTALLATION AVOIDING A COMMON FAILURE CAUSED BY EXCESSIVE SEALANT



Modern water pumps typically have a number of different sealing methods. It is critical that installers understand, if sealant is required that the correct amount be used

** Water Pumps with Rubber O'Rings should **NOT** have any sealant applied

** Water Pumps with a metal gasket impregnated with a rubber seal should **NOT** have any sealant applied

** Water Pumps with a Pre Machined groove generally require the outside of the groove to be filled with sealant. The sealant **MUST NOT** be excessive that it enters the cavity when installed

** Water Pumps with either a paper or plain metal gasket can have a **VERY LIGHT** coating of sealant. This **MUST NOT** be excessive that it enters the cavity when installed



Fig 1: Incorrect & excessive use of sealant

One of the most common issues with water pump failures is, when excessive sealant is applied. The excessive sealant forms a bead on the inner housing of the water pump. This bead eventually breaks away with the force of the water flow. The now solid bead of sealant, under pressure gets forced into the rotating seal area causing the seal to fail.

This bulletin is of a general fitting nature, please observe the vehicle manufacturer specification at all times