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58-551 WATER PUMP PLASTIC IMPELLER FAILURE

Application:

All water pumps using a plastic impeller; some typical vehicles:

Chrysler vehicles using 58-541, 579, 585, 571, 536

Ford vehicles using 58-529

Jeep vehicles using 58-551

Problem:

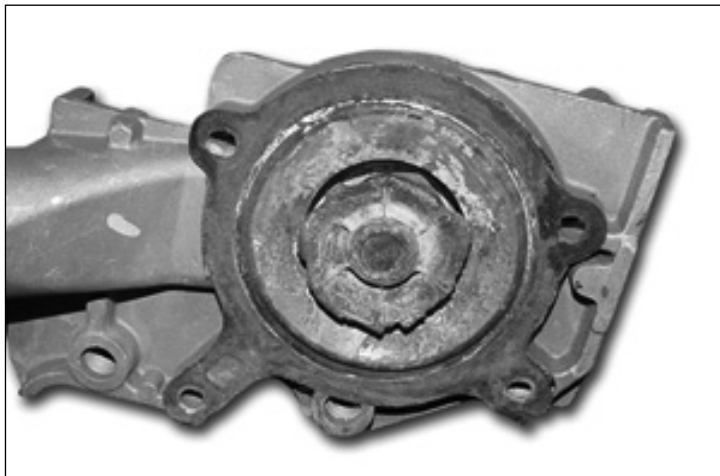
If the original pump impeller looks eroded like the sample picture below, cylinder head or gasket problems will destroy the replacement unit if not corrected.

Cause:

Plastic impellers erode because of steam in coolant (typical failure shown below). Head gasket leaks and cracked heads allow aeration of the coolant, which develops pockets of super-heated air that destroys the impeller.

Solution:

Maintain proper coolant levels, eliminate air bubbles, use O.E. recommended coolant, check operation of thermostat, and quickly repair gasket or head problems.



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