

Bulletin No.: 06-02-32-013

Date: October 25, 2006

INFORMATION

Subject:

Diagnostic Tips/Recommendations When Power Steering Pump Replacement is Necessary

Models:

1997-2007 GM Passenger Cars and Light Duty Trucks (including Saturn)

2003-2007 HUMMER H2

2006-2007 HUMMER H3

2005-2007 Saab 9-7X

A recently completed analysis of returned power steering (PS) pumps that had been replaced for noise, no power assist, no or low pressure and leaking conditions has indicated a high number of "No Trouble Found" results.

Service Bulletin Number 01-02-32-004 indicates that when attempting to repair a power steering concern, the steering system analyzer should be utilized to assist the technician in a successful diagnosis.

In addition, extensive warranty analysis has shown that the following situations are all significant root causes of PS pump failures:

Improper pulley installation

Re-using the O-rings

Using fluid other than the OE-specified steering fluid

Failure to flush the PS system

In order to help improve customer satisfaction and reduce comebacks, GM recommends the following tips for replacing a PS pump:

Low or no pressure from the PS pump may be the results of dirty or contaminated fluid, which could cause the pressure relief valve to stop functioning. Using the proper tools, flush and bleed the PS system. Any residual contaminants will result in pump failure.

When removing the pulley, use the proper special tools. Because the pulley alignment is critical, distorting the pulley may damage bearings on the new PS pump.

Be sure to use only the new O-rings included with the PS pump. The new reservoir O-ring must be lubricated with OE-specific PS fluid prior to installation. Also make sure that the control valve O-ring is in its exact groove position and is NOT covering the pressure bypass hole.

Bleed the PS system according to the procedures/recommendations in SI.

Following these procedures and using the correct tools and fluids should help ensure that the new PS pump operates properly. Skipping steps may cost you time and trouble later.