

Enginetech Inc
For Technical Assistance Call:
1-800-410-3664 ext 340 or ext 237

TECHNICAL BULLETIN	
	November 2004 TB 2212
Mfg:	CHRYSLER
Model:	JEEP
Liter:	4.0L
V I N:	S
Year:	98-06

Rear Main Seal Leakage, Preventative Measure For
1997-2005 Chrysler 4.0L VIN S Engines

The AERA Technical Committee offers the following preventative measure for 1997-2005 Chrysler 4.0L Jeep engines. This information applies to engines using a standard shift transmission built prior to 09/02/04 only.

There have been occasional reports of rear main seal leakage on certain vehicles using the above combination. Closer inspection of suspect vehicles may reveal the cause of the engine oil seepage past the rear main seal is due to the accumulation of dirt and debris around the outside of the rear main seal. This accumulation may act as an abrasive while rotating on the crankshaft and damage the seal and surface.

A spacer plate is used to mate the transmission bellhousing to the back of the engine. The spacer plate has a slot machined into it at the 12 o'clock position. A small opening may occur as a result of the spacer slot when the spacer is mated between the engine and transmission bellhousing. The narrow spacer opening at the top may allow small size debris to accumulate around the outside of the rear main crankshaft seal. Vehicles used in dusty off road situations have been more severely affected.

To prevent this type of condition, seal the area at the time of engine installation on remanufactured engines. Chrysler/Jeep has suggested this type of repair after the rear seal and or crankshaft has been repaired by applying a liberal bead of RTV sealer to the area. Make sure to thoroughly clean the area before applying the sealer to area 2 in the Figure 1 below.

The AERA Technical Committee

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Bulletin Diagram: LOCATION OF ADAPTER OPENING - CYLINDER BLOCK

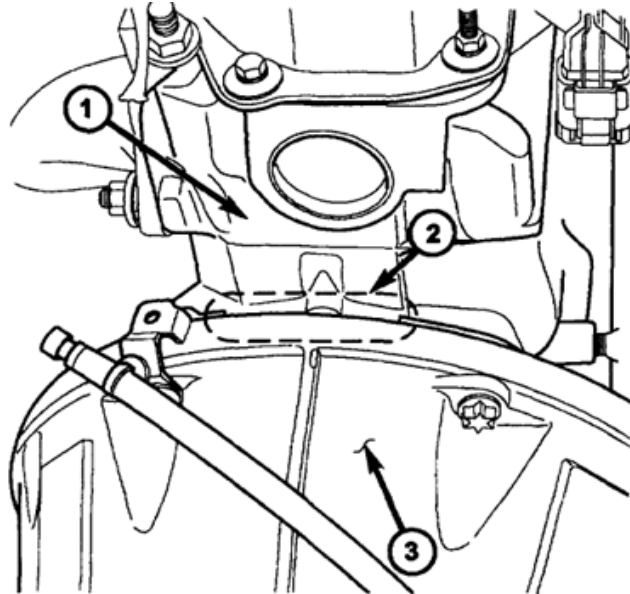


Fig. 1 LOCATION OF ADAPTER OPENING

- 1 - BACK OF ENGINE
- 2 - LOCATION OF NARROW OPENING DUE TO SLOT IN ADAPTER PLATE
- 3 - TOP OF BELLHOUSING - MANUAL TRANSMISSION

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