

TECHNICAL BULLETINS	Make JEEP
	Model WRANGLER
	Liter 2.5
	VIN P
	Year 1991-05

TB # 1487 REAR MAIN SEAL FAILURE ON 1991-96 CHRYSLER/JEEP 2.5 & 4.0L

**Rear Main Oil Seal Failures On
 1991-96 Chrysler/Jeep 2.5 & 4.0L Engines**

AERA members have reported premature rear main oil seal failures on 1991-96 Chrysler/Jeep 2.5 & 4.0L engines. This complaint has occurred on both existing engines as well as rebuilt engines. The cause of this condition has been the result of abrasion to the seal and crankshaft sealing surfaces.

Engines built from 1991 through 1/1/96 did not incorporate a rubber sealing plug in the rear of the block. This plug, Part #53020465, seals a one inch hole directly above the engines starter. If this plug is missing, dirt or other contaminants may enter the rear bell housing area. The dirt will then surround the crankshaft seal and work its way between the sealing lip and crankshaft. As the crankshaft rotates this contamination becomes abrasive and wears the seal and crankshaft surface.

Installing this plug in engines that operate in dusty/dirty conditions will significantly extend rear seal durability. Jeep began installing this plug on 1/1/96 in all 2.5 & 4.0L engines.

The AERA Technical Committee

Related Diagram

**UNTITLED GRAPHIC #2263 FOR
 TB 01487**

