



NUMBER: 16-001-05

GROUP: Propeller Shaft &
U-Joint

DATE: November 05, 2005

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SUBJECT:

High Speed Driveline Vibration Due To Excess Grease In Rear Propeller Shaft Joint

OVERVIEW:

This bulletin involves the replacement of the rear propeller shaft.

MODELS:

2005 (WH) Grand Cherokee (International Market)

NOTE: This bulletin applies to vehicles equipped with a NVG 245 transfer case (sales code DHX) and built prior to August 10, 2005 (MDH 0810XX).

SYMPTOM/CONDITION:

The customer may experience a driveline vibration at vehicle speeds of 96.5 Km/h (60 MPH) or greater. The driveline vibration may be felt in the front seat and steering wheel. An audible moan or drone-like sound may also be present during the driveline vibration condition.

The driveline vibration may be due to an out of balance issue within the rear propeller shaft. An excess amount of grease may have been applied to the rear propeller shaft slip joint. At high speeds and over time, the excess grease may accumulate in one area/location of the rear propeller shaft slip joint boot, causing the rear propeller shaft to become out of balance. Often the boot will become off-center or out-of-round in one area due to the accumulation of excess grease.

DIAGNOSIS:

If previous diagnosis has determined that the driveline vibration is due to the rear propeller shaft perform the Repair Procedure.



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PARTS REQUIRED:

Qty.	Part No.	Description
(AR) 1	52853003AE	Shaft, Rear Propeller - 3.0L equipped
(AR) 1	52105760AE	Shaft, Rear Propeller - 4.7L / 5.7L equipped
(AR)	04318031	Mopar Lock & Seal Adhesive (3 repairs per tube)

REPAIR PROCEDURE:

1. With the vehicle transmission in the neutral position, raise the vehicle on a suitable hoist.
2. Locate the current yellow alignment paint marks at each end of the propeller shaft and on the transfer case and axle pinion flanges. The yellow marks on the new propeller shaft will be matched to the yellow marks on each flange.
3. Remove the rear propeller shaft from the axle pinion flange.

NOTE: Do not allow the propeller shaft to hang from its attached end.

4. Remove the rear propeller shaft from the transfer case flange.
5. Clean all propeller shaft bolts and apply Mopar Lock & Seal Adhesive to the bolt threads before installation.
6. Locate the yellow alignment paint marks on the new propeller shaft.
7. With paint marks aligned, install the new rear propeller shaft to the transfer case flange.
8. With paint marks aligned, install the new rear propeller shaft to the axle pinion flange.
9. Tighten all rear propeller shaft attaching bolts to 108 Nm (80 ft. lbs.).
10. Lower vehicle.

POLICY:

Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No:	Description	Amount
16-30-01-94	Shaft, Propeller (Rear) - Replace	0.3 Hrs.

FAILURE CODE:

ZZ	Service Action
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