

10001111



Service Bulletin

File In Section: 04 - Driveline Axle

Bulletin No.: 03-04-17-002

Date: February, 2003



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TECHNICAL

Subject: Whine Noise From Rear Axle (Diagnose and Replace Rear Propeller Shaft With New Tuned Torsional Damper Rear Propeller Shaft)

**Models: 2002-2003 Chevrolet TrailBlazer /
2002-2003 GMC Envoy /
2002-2003 Oldsmobile Bravada /
with 4.10 Ratio Rear Axle (Standard (Short) Wheelbase) (RPO GT5)**

Condition

Some customers may comment on a slight axle whine heard only on deceleration or coast conditions. The noise peaks at about 77 to 83 km/h (48 to 52 mph) before quieting at about 72 km/h (45 mph).

Cause

"Inherent" ring and pinion gear whine.

All gear driven units, such as automotive rear axles, produce some level of noise that cannot be eliminated with conventional adjustments and repairs. "Inherent" axle noise can be described as a slight noise heard only at a certain speed (typically between 72-86 km/h (45-60 mph)). The presence of this noise is not indicative of a functional concern with the axle assembly. However, some customers may find that this "inherent" axle noise is unacceptable.

Correction

Important:

- If the noise is not correctly diagnosed as "Inherent" and having a peak in the narrow speed range of 77 to 83 km/h (48 to 52 mph) on deceleration or coast conditions, the addition of a tuned torsional damper propeller shaft can aggravate the perceptible noise level. It is extremely important to first diagnose the rear axle noise as "Inherent" before installing a new tuned torsional damper propeller shaft. Refer to the applicable diagnostic information in the Rear Drive Axle subsection of Service Information.
- The new service propeller shafts are only designed to correct the noise condition described above. They will not be effective if repair attempts are made to correct other noise conditions. If propeller shaft replacement is needed for any other reason, the existing service part number propeller shaft should be used.

Replace the rear propeller shaft with a new tuned torsional damper propeller shaft using the applicable part number listed below. The new propeller shaft incorporates a damper assembly to lessen noise transmitted from the rear axle assembly. The new propeller shaft should be used ONLY after diagnosis concludes that it is an "Inherent" rear axle noise and no physical damage or incorrect adjustment exists. Refer to the Propeller Shaft subsection of Service Information for rear propeller shaft replacement procedures.

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Parts Information

Important: Only small quantities of parts are available. Please DO NOT order for stock only.

Part Number	Description
15069875	Shaft Arm - Prop (2WD)
15069874	Shaft Arm - Prop (4WD)

Parts are currently available from GMSPO.

Warranty Information

For vehicles repaired under warranty, use:

Labor Operation	Description	Labor Time
F1280	Propeller Shaft Assembly (Between Trans and Rear Differential) - R&R or Replace	Use published labor operation time

