

Rear Driveshaft/Propeller Shaft Clunk/Thump Noise

Service Category Drivetrain

Section Drive Shaft/Propeller Shaft

Market USA

Lexus Supports
ASE Certification 

Applicability

YEAR(S)	MODEL(S)	ADDITIONAL INFORMATION
2003 – 2008	GX470	VDS(s): BT20X

TSIB SUPERSESSION NOTICE

The information contained in this TSIB supersedes TSIB No. DL002-07.

- Applicability has been updated to include 2008 model year GX 470 vehicles.
- Production Change Information has been added.
- Warranty Information and Repair Procedure have been revised to omit the steps to “remove and replace control arm assemblies”.

TSIB No. DL002-07 is Obsolete and any printed versions should be discarded. Be sure to review the entire content of this service bulletin before proceeding.

Introduction

Some owners of 2003 – 2008 model year GX 470 vehicles may experience a clunk/thump noise from the rear of the vehicle or a “bump-from-behind” sensation just before or after coming to a stop. A new propeller shaft assembly has been developed and implemented in production to improve this condition.

Production Change Information

This TSIB applies to vehicles produced **BEFORE** the Production Change Effective VIN shown below.

MODEL	PRODUCTION CHANGE EFFECTIVE VIN
GX 470	JTJBT20X*80170241

Parts Information

PREVIOUS PART NUMBER	CURRENT PART NUMBER	PART NAME	QTY
37110-6A480	37110-60A40	Shaft Assembly, Propeller	1

Rear Driveshaft/Propeller Shaft Clunk/Thump Noise

Warranty Information

OP CODE	DESCRIPTION	TIME	OFF	T1	T2
370011	R & R Rear Driveshaft Assembly	0.5	37110-6A480	91	50

APPLICABLE WARRANTY

- This repair is covered under the Lexus Powertrain Warranty. This warranty is in effect for 72 months or 70,000 miles, whichever occurs first, from the vehicle's in-service date.
- Warranty application is limited to correction of a problem based upon a customer's specific complaint.

Repair Procedure

1. Test drive vehicle and confirm noise condition.

NOTE

Check for the painted matchmarks on the transfer flange and differential flange when installing the NEW propeller shaft assembly. If the matchmarks are NOT visible, be sure to install the NEW propeller shaft in the same orientation as the original propeller shaft.

2. Remove and replace the 2-piece propeller shaft assembly.

Refer to the Technical Information System (TIS):

- [2003](#) / [2004](#) / [2005](#) GX 470:
Drivetrain – Driveshaft/Propeller Shaft – “Propeller Shaft Assy: Overhaul”
- [2006](#) / [2007](#) / [2008](#) GX 470:
Drivetrain – Driveshaft/Propeller Shaft – “Propeller Shaft Assy: Removal”
- [2006](#) / [2007](#) / [2008](#) GX 470:
Drivetrain – Driveshaft/Propeller Shaft – “Propeller Shaft Assy: Installation”

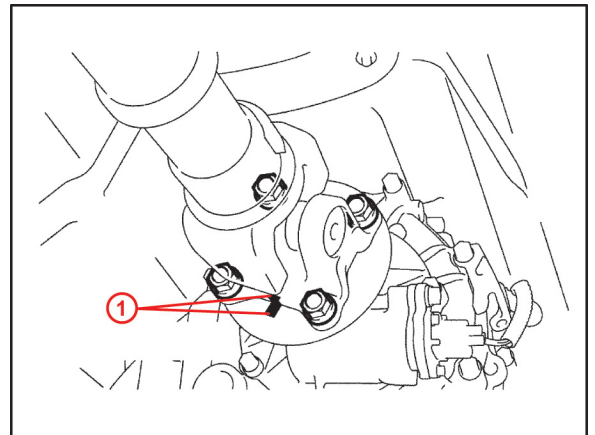
Rear Driveshaft/Propeller Shaft Clunk/Thump Noise

Repair Procedure (Continued)

A. Remove the propeller shaft assembly.

- (1) Remove the 4 nuts and 4 washers (propeller shaft to transfer flange).

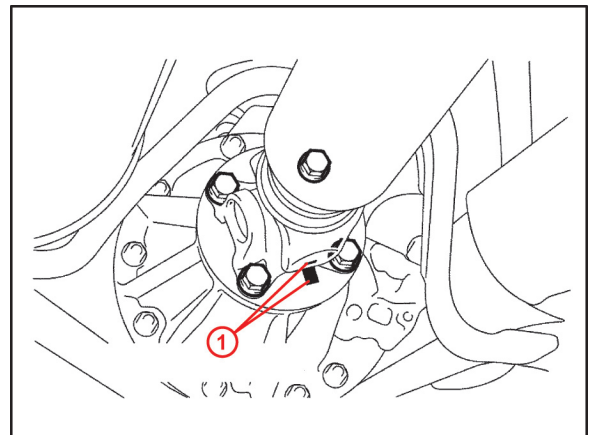
Figure 1.



1	Matchmarks
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- (2) Remove the 4 nuts, 4 bolts, and 4 washers and then the propeller shaft assembly (propeller shaft to differential flange).

Figure 2.



1	Matchmarks
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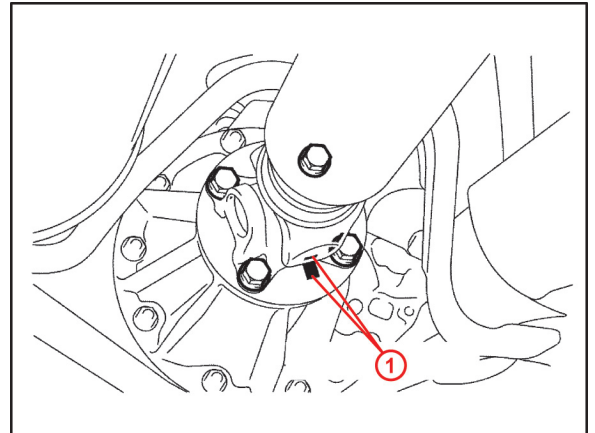
Rear Driveshaft/Propeller Shaft Clunk/Thump Noise

Repair Procedure (Continued)

B. Install the NEW propeller shaft assembly.

- (1) Align the matchmarks on the yoke and the differential flange.

Figure 3.



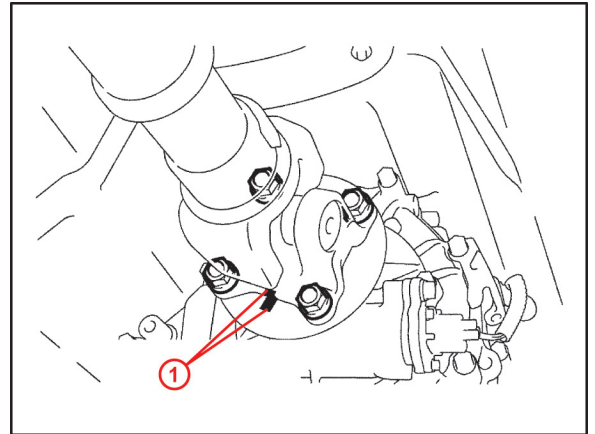
1	Matchmarks
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- (2) Install the propeller shaft assembly with the 4 bolts, 4 nuts, and 4 washers.

Torque: 88 N*m (898 kgf*cm, 65 ft*lbf)

- (3) Align the matchmarks on the yoke and the transfer flange.

Figure 4.



1	Matchmarks
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- (4) Install the propeller shaft assembly with the 4 nuts and 4 washers.

Torque: 88 N*m (898 kgf*cm, 65 ft*lbf)

3. Test drive vehicle and confirm repair effectiveness.