



**Technical Service
Information Bulletin**

May 29, 2007

Title:

**REAR DRIVESHAFT/PROPELLER SHAFT
CLUNK/THUMP NOISE**

Models:

'03 – '07 GX 470

DL002-07

DRIVELINE & DIFFERENTIAL

TSIB UPDATE NOTICE:

The information contained in this TSIB supersedes TSIB No. DL001-06.
TSIB No. DL001-06 is now obsolete and should be discarded.

Introduction Some owners of 2003 – 2007 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 rear propeller shaft assembly and revised rear suspension control arms have been developed to improve this condition.

Applicable Vehicles

- 2003 – 2007 model year **GX 470** vehicles.

**Parts
Information**

PREVIOUS PART NUMBER	CURRENT PART NUMBER	PART NAME	QTY
37110-6A480	37110-60A40	Shaft Assembly, Propeller (DLC)	1
N/A	04006-09160	Rear Suspension Control Arm Kit	1

**Required
Tools &
Material**

TOOLS & MATERIAL	QUANTITY
Miscellaneous Hand Tools	As Needed

**Warranty
Information**

OP CODE	DESCRIPTION	TIME	OFP	T1	T2
DL5005	R & R Rear Driveshaft Assembly, Lower Control Arms, and Upper Control Arms	2.5	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.

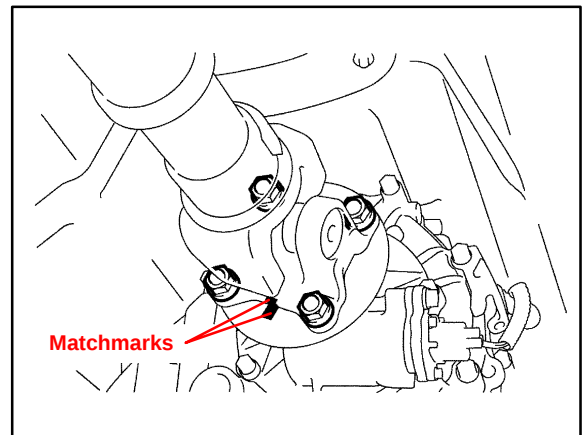
2. Remove and replace the 2-piece propeller shaft assembly.

For more information, refer to the Technical Information System (TIS):

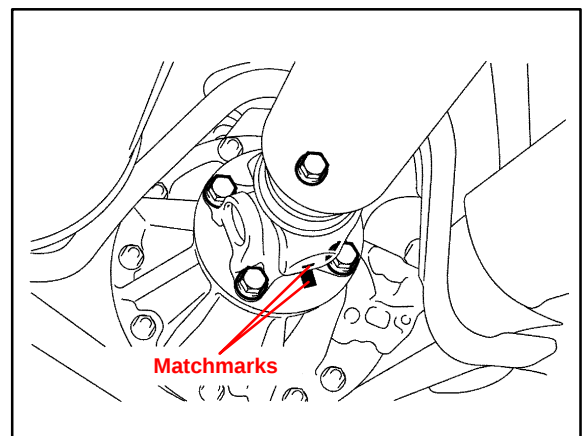
- 2003, 2004, or 2005 model year GX 470 Repair Manual, *Drivetrain – Driveshaft/Propeller Shaft – “Propeller Shaft Assy: Overhaul”*.
- 2006 or 2007 model year GX 470 Repair Manual, *Drivetrain – Driveshaft/Propeller Shaft – “Propeller Shaft: Propeller Shaft Assembly: Removal”*.
- 2006 or 2007 model year GX 470 Repair Manual, *Drivetrain – Driveshaft/Propeller Shaft – “Propeller Shaft: Propeller Shaft Assembly: Installation”*.

- A. Remove the propeller shaft assembly.

- a. Remove the 4 nuts and 4 washers.



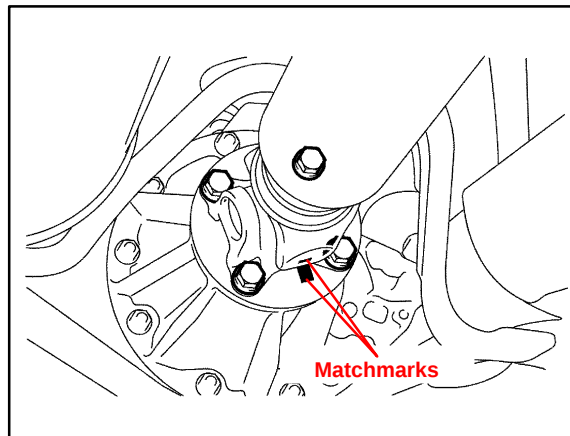
- b. Remove the 4 nuts, 4 bolts, and 4 washers and then the propeller shaft assembly.



Repair Procedure (Continued)

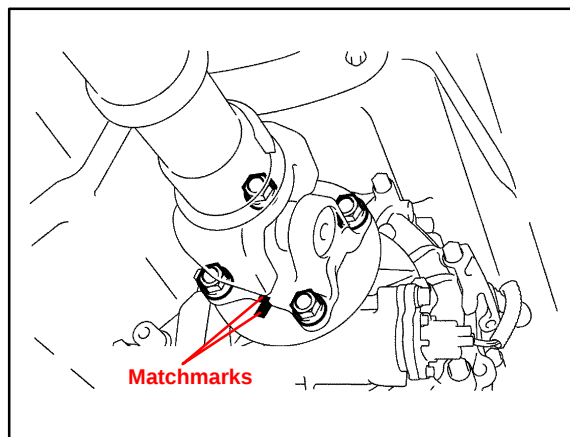
- B. Install the NEW propeller shaft assembly.
 - a. Align the matchmarks on the yoke and the differential flange.
 - b. Install the propeller shaft assembly with the 4 bolts, 4 nuts, and 4 washers.

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



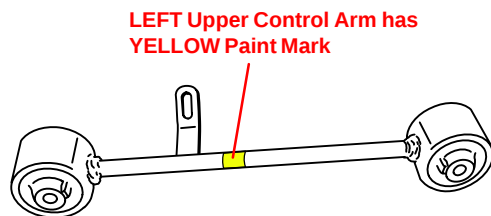
- c. Align the matchmarks on the yoke and the transfer flange.
 - d. Install the propeller shaft assembly with the 4 nuts and 4 washers.

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

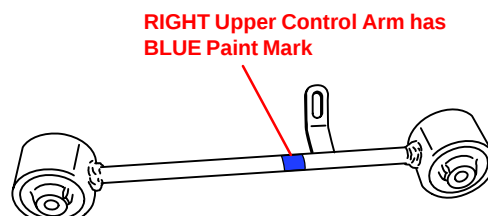


3. Remove and replace the LH and RH upper control arm assemblies one side at a time. Refer to TIS:
 - 2003, 2004, or 2005 model year GX 470 Repair Manual, *Suspension – Rear Suspension – “Upper Control Arm Assy: Replacement”*.
 - 2006 or 2007 model year GX 470 Repair Manual, *Suspension – Rear Suspension – “Suspension: Rear Upper Control Arm: Removal”*.
 - 2006 or 2007 model year GX 470 Repair Manual, *Suspension – Rear Suspension – “Suspension: Rear Upper Control Arm: Installation”*.

Upper Control Arm Identification



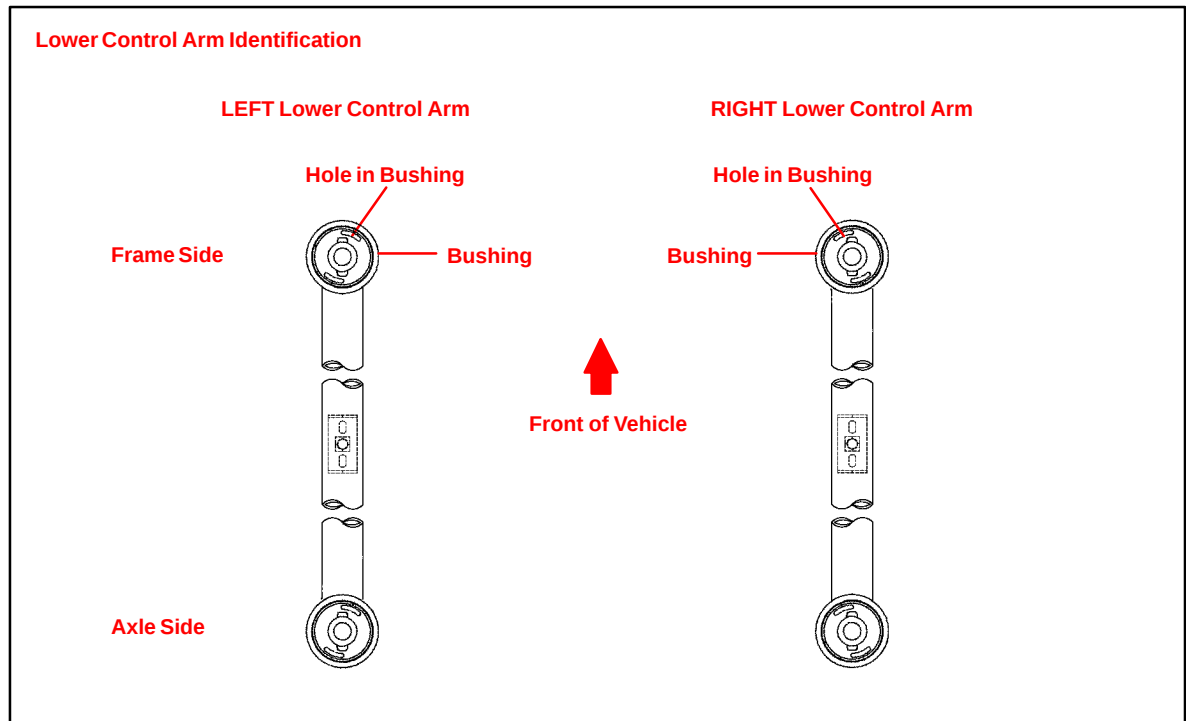
**LEFT Upper Control Arm has
YELLOW Paint Mark**



**RIGHT Upper Control Arm has
BLUE Paint Mark**

**Repair
Procedure**
(Continued)

4. Remove and replace the LH and RH lower control arm assemblies one side at a time.
- Refer to TIS:
- 2003, 2004, or 2005 model year GX 470 Repair Manual, *Suspension – Rear Suspension – “Lower Control Arm Assy LH: Replacement”*.
 - 2006 or 2007 model year GX 470 Repair Manual, *Suspension – Rear Suspension – “Suspension: Rear Lower Control Arm: Removal”*.
 - 2006 or 2007 model year GX 470 Repair Manual, *Suspension – Rear Suspension – “Suspension: Rear Lower Control Arm: Installation”*.



5. Test drive vehicle and confirm repair effectiveness.