

TECHNICAL BULLETIN  
LTB00305NAS3  
25 MAR 2013



© Jaguar Land Rover North America, LLC

NOTE: The information in Technical Bulletins is intended for use by trained, professional Technicians with the knowledge, tools, and equipment required to do the job properly and safely. It informs these Technicians of conditions that may occur on some vehicles, or provides information that could assist in proper vehicle service. The procedures should not be performed by 'do-it-yourselfers'. If you are not a Retailer, do not assume that a condition described affects your vehicle. Contact an authorized Land Rover service facility to determine whether this bulletin applies to a specific vehicle.

**This reissue replaces all previous versions. Please destroy all previous versions. Only refer to the electronic version of this TSB in TOPIx.**

Changes are highlighted in gray

**SECTION: 308-07B**

Audible Boom / Vibration at 2,400 - 2,800 RPM

**AFFECTED VEHICLE RANGE:**

<b>LR4 (LA)</b>	<b>Model Year:</b>	<b>2010-2014</b>
	<b>VIN:</b>	<b>AA510742 Onwards</b>
<b>Range Rover Sport (LS)</b>	<b>Model Year:</b>	<b>2010-2013</b>
	<b>VIN:</b>	<b>AA212147 Onwards</b>

**MARKETS:**

NAS

**CONDITION SUMMARY:**

**Situation:**

An audible boom may be heard or vibration may be felt through the floor pan or front seat at 2,400 - 2,800 rpm during medium to heavy acceleration (not during cruise or light load situations).



**NOTE: The issue is best confirmed by using Commandshift® manual mode and accelerating through the affected rpm range.**

**Cause:** This may be caused by powertrain torsion mode where the transfer box is effectively twisting on the rear of the transmission.

**Action:** In the event of a customer concern of the above, refer to the Repair Procedure outlined below.

**PARTS:**

IAI500100	Damper	Quantity: 1
IYP500080	Fixing bolt	Quantity: 1

**TOOLS:**

Refer to Workshop Manual for any required special tools.

**WARRANTY:**



**NOTE: Repair procedures are under constant review, and therefore times are subject to change; those quoted here must be taken as guidance only. Always refer to TOPIx to obtain the latest repair time.**

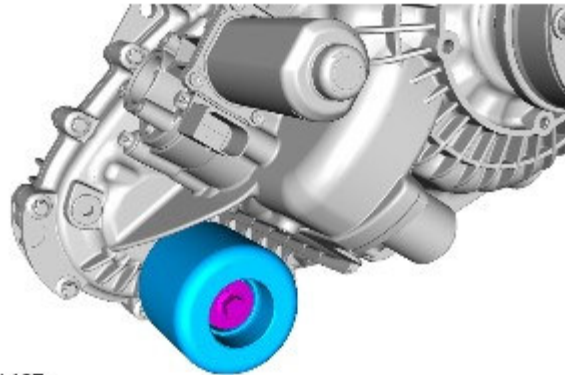
**NOTE: DDW requires the use of causal part numbers. Labor only claims must show the causal part number with a quantity of zero.**

DESCRIPTION	SRO	TIME (HOURS)	CONDITION CODE	CAUSAL PART
Damper – Vibration – Transfer case carrier – Replace	<b>41.20.86</b>	0.10	42	IAB500280

**NOTE: Normal Warranty policies and procedures apply.**

### **REPAIR PROCEDURE:**

1. Raise and support the vehicle (see Workshop Manual section 100-02).
2. Install the damper and bolt to the vacant threaded hole in the transfer case.
  - Tighten the bolt to **75 Nm (55.5 lbf ft)**.



E131467

3. Lower vehicle.