

# TECHNICAL BULLETIN

LTB00305NAS2

25-JAN-13



CHANGES ARE HIGHLIGHTED IN GRAY

## **SECTION: 308-07B**

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

#### **AFFECTED VEHICLE RANGE:**

LR4 (L319)

VIN: AA510742-Onwards

Model Year: 2010-Onwards

Range Rover Sport (L320)

VIN: AA212147-Onwards

Model Year: 2010-Onwards

#### **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).

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

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

**Action:** In the event of a customer concern of the above, refer to the Repair Procedure outlined below to install a transfer case carrier damper.

#### **PARTS:**

IAI500100 ..... Damper

Qty: 1

IYP500080 ..... Fixing bolt

Qty: 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 DDW to obtain the latest repair time.

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

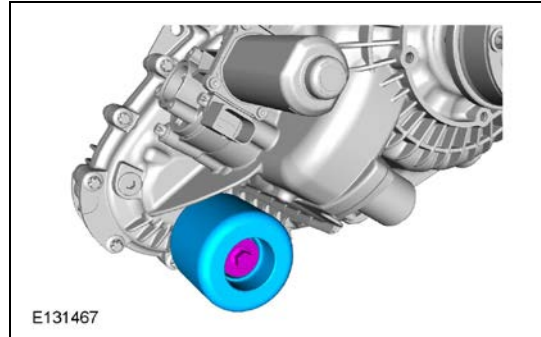
DESCRIPTION	SRO	TIME (HOURS)	CONDITION CODE	CAUSAL PART
Damper - vibration - transfer case carrier - renew	41.20.86	0.10	42	IAB500280

*Normal Warranty policies and procedures apply*

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.

## **REPAIR PROCEDURE**

1. Refer to Workshop Manual section 100-02 and raise and support the vehicle.
2. Install the damper (**IAI500100**) and fixing bolt (**IYP500080**) to the unused threaded hole in the transfer case.
  - Torque the bolt to **55Nm (41lb-ft)**.



3. Refer to Workshop Manual section 100-02 and lower the vehicle.