

LTB00906NAS4

TECHNICAL BULLETIN

19 DEC 2016



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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.

INFORMATION

This reissue replaces all previous versions. Please destroy all previous versions.

Changes are highlighted in blue

SECTION:

308-07

SUBJECT/CONCERN:

Judder From Transfer Case

AFFECTED VEHICLE RANGE:

MODEL:	MODEL YEAR:	VIN:	ASSEMBLY PLANT:	APPLICABILITY:
Range Rover Sport (LW)	2014-2016	001154-124026	Solihull	Vehicles With: Twin Speed Transfer Case
Range Rover (LG)	2013-2016	001204-320323	Solihull	Vehicles With: Twin Speed Transfer Case
Range Rover Sport (LW)	2014-2016	600000-666793	Solihull	Vehicles With: Twin Speed Transfer Case

MARKETS:

NAS

CONDITION SUMMARY:

SITUATION:

On vehicles fitted with the twin speed transfer case, a judder may be felt from underneath the vehicle when steering at low vehicle speeds, such as turning left or right at an intersection.

CAUSE:

This may be caused by oil degradation in the twin speed transfer case.

ACTION:

Should a customer express this concern, follow the Service Instruction below.

PARTS:

NOTE:

Refer to Microcat for correct washer.

PART NUMBER	DESCRIPTION	QUANTITY:
IYK500010	Transfer Case Oil	3
IYF500030	Washer	4
LR048842	Washer	4

TOOLS:



Jaguar Land Rover-
approved
Midtronics battery
power supply



Jaguar Land Rover-
approved diagnostic
tool with latest SDD
software, Calibration
File



image

Refer to the Service Instruction/Workshop Manual for any required special tools.

WARRANTY:

NOTES:

- 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.
- 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

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Configure existing Transfer Case Control Module	41.90.02	0.2	04	LR052557
Transfer case drain and refill - Double flush	41.20.89.39	0.4	04	LR052557
Carry out road test	10.41.17	0.3	04	LR052557

NOTE:

Normal Warranty procedures apply.

SERVICE INSTRUCTION:

CAUTIONS:

- A Jaguar Land Rover-approved Midtronics battery power supply must be connected to the vehicle battery during diagnosis / module programming.
- Ensure all ignition ON/OFF requests are carried out; failure to perform these steps may cause damage to control modules in the vehicle.

NOTE:

The Jaguar Land Rover-approved diagnostic tool must be loaded with DVD145.02 v.237 or later.

- 1 Connect the Jaguar Land Rover-approved Midtronics battery power supply to the vehicle battery.

- 2 Turn ignition ON (engine not running).
- 3 Connect the Jaguar Land Rover-approved diagnostic tool to the vehicle and begin a new session.
- 4 Follow the on-screen prompts, allowing the diagnostic tool to read the VIN, identify the vehicle, and initiating the data collect sequence.
- 5 Select '**Diagnosis**' from the Session Type screen.
- 6 Select the '**Selected Symptoms**' tab and then select:
 - **Powertrain - Automatic transmission and transaxle - Automatic transmission and transaxle symptoms - Transfer case inconsistent operation**
- 7 Select '**continue**'.
- 8 Select the '**Recommendations**' tab and then select '**Run**' to perform the '**Configure existing module - Transfer case control module**' option.
- 9 Follow all on-screen instructions to complete this task, ensuring all Diagnostic Trouble Codes (DTC) are cleared.
- 10 When all tasks are complete, select the '**Session**' tab and then select the '**Close Session**' option.
- 11 Disconnect the diagnostic tool and battery power supply from the vehicle.
- 12 Flush the transfer case oil (see TOPIx Workshop Manual section 308-07: Transfer Case Draining and Filling)

- 13** Carry out vehicle road test, making sure to include maneuvering the vehicle around corners and roundabouts with the transfer case in both high and low ranges where possible.
- 14** After completing the road test, flush the transfer case oil a second time (see TOPIx Workshop Manual section 308-07: Transfer Case Draining and Filling).