

LTB00604NAS7

TECHNICAL BULLETIN

06 FEB 2017



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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:

204-05

SUBJECT/CONCERN:Front Air Spring Damper Hydraulic Fluid Leak

AFFECTED VEHICLE RANGE:

MODEL:	MODEL YEAR:	VIN:	ASSEMBLY PLANT:
Range Rover Sport (LW)	2015 Onwards	527555 Onwards	Solihull
Range Rover Sport (LW)	2016 Onwards	622982 Onwards	Solihull
Range Rover (LG)	2015 Onwards	226959 Onwards	Solihull

MARKETS:NAS

CONDITION SUMMARY:**SITUATION:**

A 'knock' sound from one or both front air springs when traveling over speed bumps at low speed may be evident. Upon diagnosis, including removal of the air spring and inverting it for a period of approximately one minute, hydraulic fluid is found to flow from the air suspension pipe 'VOSS' connector.

CAUSE:

This may be caused by a leak from the hydraulic damper chamber of the air spring.

NOTE:

If fluid is evident at the connector on the air spring, change only suspected faulty components. If this fails to resolve the Customer's concern, submit a Technical Assistance (TA) request, including photos and videos.

ACTION:

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

PARTS:

PART NUMBER	DESCRIPTION	QUANTITY:
The parts in the following table should be fitted for all failures.		
LR034230	Bolt (M14x120mm)	2
LR038809	Nut (M14)	2
LR087094	Range Rover Sport - With dynamic response, with continuous variable damping - Front left air spring	1
LR087083	Range Rover Sport - With dynamic response, with continuous variable damping - Front right air spring	1
LR087093	Range Rover Sport - Less continuous variable damping - Front left air spring	1
LR087082	Range Rover Sport - Less continuous variable damping - Front right air spring	1
LR087095	Range Rover Sport - With continuous variable damping - Front left air spring	1
LR087084	Range Rover Sport - With continuous variable damping - Front right air spring	1
LR087099	Range Rover Sport - Front left air spring - SVR	1
LR087089	Range Rover Sport - Front right air spring - SVR	1
LR087087	Range Rover - Long Wheel Base - With continuous variable damping - Front left air spring	1
LR087097	Range Rover - Long Wheel Base - With continuous variable damping - Front right air spring	1
LR087100	Range Rover - Standard Wheel Base - Front left air spring - Autobiography	1

PART NUMBER	DESCRIPTION	QUANTITY:
LR087090	Range Rover - Standard Wheel Base - Front right air spring - Autobiography	1
LR087091	Range Rover - Standard Wheel Base - Front left air spring - V6 3.0L S/C Petrol; V8 5.0L Petrol; TDV6 3.0L Diesel	1
LR079515	Range Rover - Standard Wheel Base - Front right air spring - V6 3.0L S/C Petrol; V8 5.0L Petrol; TDV6 3.0L Diesel	1
LR087092	Range Rover - Standard Wheel Base - Front left air spring - V8 5.0L S/C Petrol; TDV8 4.4L Diesel	1
LR087081	Range Rover - Standard Wheel Base - Front right air spring - V8 5.0L S/C Petrol; TDV8 4.4L Diesel	1

TOOLS:

Refer to 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
Front air spring - Pair - Renew	60.30.33	1.4	42	LR038800

NOTE:

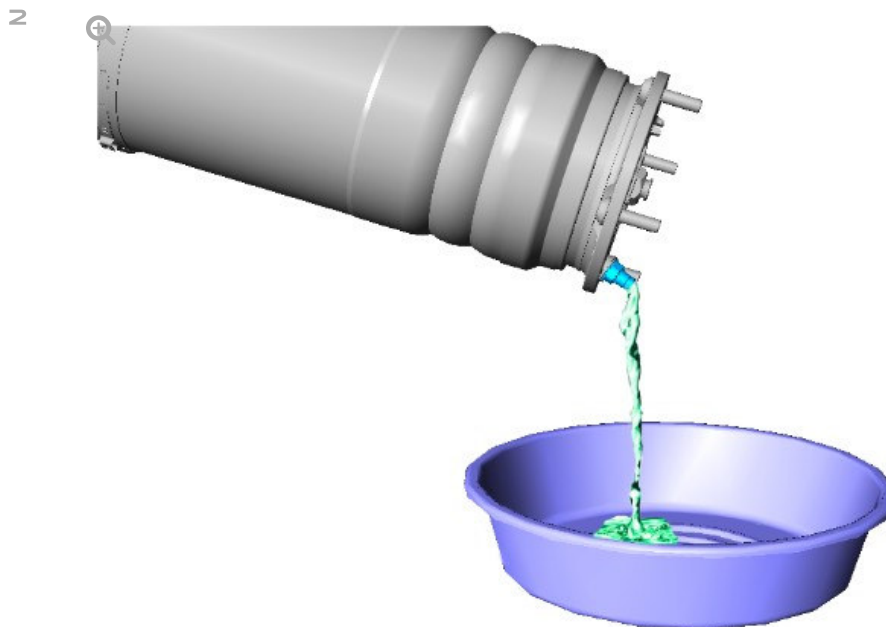
Normal Warranty procedures apply.

SERVICE INSTRUCTION:

NOTE:

If fluid is evident at the connector on the air spring, change only suspected faulty components. If this fails to resolve the Customer's concern, submit a Technical Assistance (TA) request, including photos and videos.

- 1 Remove the front left and right air spring (see TOPIx Workshop Manual section 204-05: Vehicle Dynamic Suspension - Front Air Spring).



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Using a suitable container, invert the shock absorber and air spring assembly for one minute and check for hydraulic fluid leaking from the air suspension pipe 'VOSS' connector.

- Repeat this step with the other shock absorber and air spring assembly.
 - If hydraulic fluid is leaking from the air suspension pipe 'VOSS' connector of either shock absorber and air spring assembly, go to Step 3.
 - If hydraulic fluid is not leaking from the air suspension pipe 'VOSS' connector of either shock absorber and air spring assembly, the concern is not likely to be related to the damper.
 - Refer to TOPIx for additional related diagnosis / repair information.
 - Install the front left and right air springs (see TOPIx Workshop Manual section 204-05: Vehicle Dynamic Suspension - Front Air Spring).

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- 3 Replace the front left and right air springs (see TOPIx Workshop Manual section 204-05: Vehicle Dynamic Suspension - Front Air Spring).