

TECHNICAL BULLETIN

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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.

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

Changes are highlighted in gray

SECTION: 204-05**Front Air Spring Damper Hydraulic Fluid Leak****AFFECTED VEHICLE RANGE:****Range Rover Sport (LW)**

Model Year: 2014 Onwards
VIN: 001154 Onwards
Assembly Plant: Solihull

Range Rover (LG)

Model Year: 2013 Onwards
VIN: 001204 Onwards
Assembly Plant: 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.

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

PARTS:

NOTE: Changes to the Parts section are extensive and therefore not highlighted.

Range Rover Sport (L494): VIN 001154-527555; Range Rover (L405): VIN 001204-226959 ONLY. The parts in the following table should be fitted for all failures EXCEPT a hydraulic fluid leak through the air suspension pipe 'VOSS' connector and do not require prior approval.

LR072216	Range Rover Sport - With continuous variable damping - Left front air spring	1
LR072215	Range Rover Sport - With continuous variable damping - Right front air spring	1
LR072440	Range Rover Sport - With dynamic response, with continuous variable damping - Left front air spring	1
LR072450	Range Rover Sport - With dynamic response, with continuous variable damping - Right front air spring	1
LR072441	Range Rover Sport - With dynamic response, less continuous variable damping - Left front air spring	1
LR072449	Range Rover Sport - With dynamic response, less continuous variable damping - Right front air spring	1
LR072458	Range Rover - Standard Wheel Base - Left front air spring 5.0L NA, 3.0L SC & 3.0 TDV6	1
LR072445	Range Rover - Standard Wheel Base - Right front air spring 5.0L NA, 3.0L SC & 3.0 TDV6	1
LR072460	Range Rover - Standard Wheel Base - Left front air spring 5.0L SC & 4.4 TDV8	1
LR072447	Range Rover - Standard Wheel Base - Right front air spring 5.0L SC & 4.4 TDV8	1
LR034230	Bolt (M14x120mm)	2
LR038809	Nut (M14)	2

Range Rover Sport (L494): VIN 001154-527555, 600009-622982; Range Rover (L405): VIN 001204-226959 ONLY. The parts in the following table should be fitted only in the case of a hydraulic fluid leak through the air suspension pipe 'VOSS' connector, are on Parts Restriction, and require FRED prior approval. The VIN and FRED authorization number must be included on all Parts orders.

Ensure this process is followed before progressing with any parts order.

LR087094	Range Rover Sport - With dynamic response, with continuous variable damping - Left front air spring	1
LR087083	Range Rover Sport - With dynamic response, with continuous variable damping - Right front air spring	1
LR087093	Range Rover Sport - less continuous variable damping - Left front air spring	1
LR087082	Range Rover Sport - less continuous variable damping - Right front air spring	1
LR087095	Range Rover Sport - With continuous variable damping - Left front air spring	1
LR087084	Range Rover Sport - With continuous variable damping - Right front air spring	1
LR087099	Range Rover Sport - Left front air spring - SVR	1
LR087089	Range Rover Sport - Right front air spring - SVR	1
LR087100	Range Rover - Standard Wheel Base - Left front air spring - Autobiography	1
LR087090	Range Rover - Standard Wheel Base - Right front air spring - Autobiography	1
LR087091	Range Rover - Standard Wheel Base - Left front air spring 5.0L NA, 3.0L SC & 3.0 TDV6	1
LR087092	Range Rover - Standard Wheel Base - Left front air spring 5.0L SC & 4.4 TDV8	1
LR079515	Range Rover - Standard Wheel Base - Right front air spring 5.0L NA, 3.0L SC & 3.0 TDV6	1
LR087081	Range Rover - Standard Wheel Base - Right front air spring 5.0L SC & 4.4 TDV8	1
LR087087	Range Rover - Long Wheel Base - With continuous variable damping - Left front air spring	1
LR087097	Range Rover - Long Wheel Base - With continuous variable damping - Right front air spring	1
LR034230	Bolt (M14x120mm)	2
LR038809	Nut (M14)	2

Range Rover Sport (L494): VIN 527555-599999, 622983-onwards; Range Rover (L405): VIN 226960-onwards ONLY. The parts in the following table should be fitted for all failures and are on Parts Restriction but do not require FRED prior approval.

LR087094	Range Rover Sport - With dynamic response, with continuous variable damping - Left front air spring	1
LR087083	Range Rover Sport - With dynamic response, with continuous variable damping - Right front air spring	1
LR087093	Range Rover Sport - less continuous variable damping - Left front air spring	1
LR087082	Range Rover Sport - less continuous variable damping - Right front air spring	1
LR087095	Range Rover Sport - With continuous variable damping - Left front air spring	1
LR087084	Range Rover Sport - With continuous variable damping - Right front air spring	1
LR087099	Range Rover Sport - Left front air spring - SVR	1
LR087089	Range Rover Sport - Right front air spring - SVR	1
LR087100	Range Rover - Standard Wheel Base - Left front air spring - Autobiography	1
LR087090	Range Rover - Standard Wheel Base - Right front air spring - Autobiography	1
LR087091	Range Rover - Standard Wheel Base - Left front air spring 5.0L NA, 3.0L SC & 3.0 TDV6	1
LR087092	Range Rover - Standard Wheel Base - Left front air spring 5.0L SC & 4.4 TDV8	1
LR079515	Range Rover - Standard Wheel Base - Right front air spring 5.0L NA, 3.0L SC & 3.0 TDV6	1
LR087081	Range Rover - Standard Wheel Base - Right front air spring 5.0L SC & 4.4 TDV8	1
LR087087	Range Rover - Long Wheel Base - With continuous variable damping - Left front air spring	1
LR087097	Range Rover - Long Wheel Base - With continuous variable damping - Right front air spring	1
LR034230	Bolt (M14x120mm)	2
LR038809	Nut (M14)	2

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
Front air spring - Pair - Renew	60.30.33	1.4	42	LR038800

△ **NOTE:** Normal Warranty procedures apply.

SERVICE INSTRUCTION:

△ **NOTE:** If hydraulic fluid is leaking from the air suspension pipe 'VOSS' connector, both front shock absorber and air spring assemblies must be replaced. If hydraulic fluid is not leaking from an air suspension pipe 'VOSS' connector, the concern is not likely to be related to a shock absorber and air spring assembly. Refer to TOPIx for additional related diagnosis / repair information.

1. Remove the front left and right air spring (see TOPIx Workshop Manual section 204-05).

2. 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.

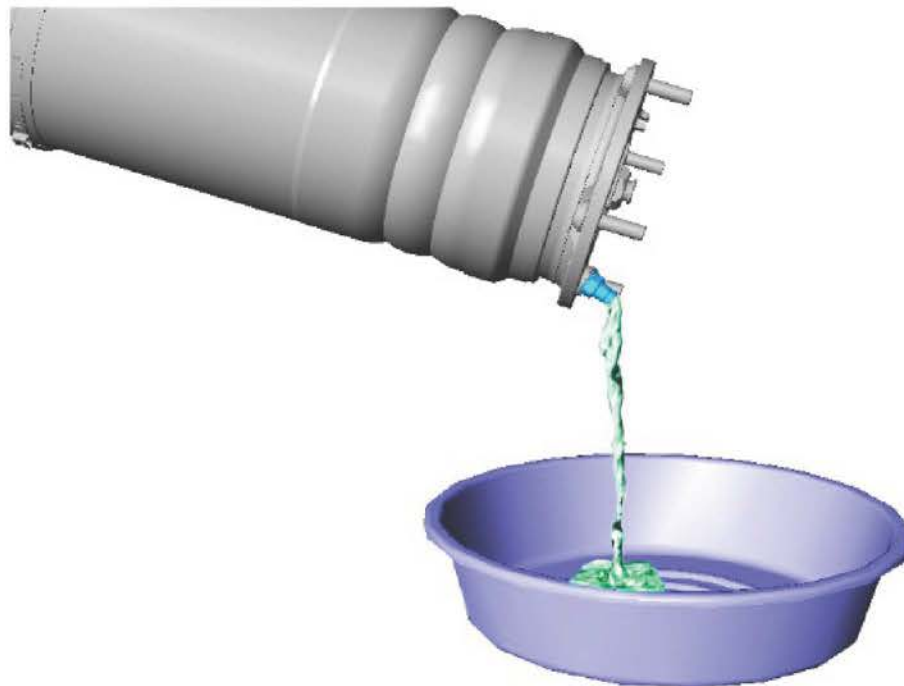
- If hydraulic fluid is leaking from the air suspension pipe 'VOSS' connector of either shock absorber and air spring assembly, continue to Step 3.

- 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).

3. Replace the front left and right air springs (see TOPIx Workshop Manual section 204-05).



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