

TECHNICAL BULLETIN

LTB00793NAS2

15 APR 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.

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

Changes are highlighted in gray

SECTION: 204-05

Suspension Air Supply Unit Exhaust Valve Fails To Vent

AFFECTED VEHICLE RANGE:

LR4 (LA)

Model Year: 2015-2016
VIN: 745077-813756 **With:** Dynamic Suspension
Assembly Plant: Solihull

Range Rover Sport (LW)

Model Year: 2015-2016
VIN: 505041-578144 **With:** Dynamic Suspension
Assembly Plant: Solihull

Range Rover Sport (LW)

Model Year: 2014-2016
VIN: 600009-648477 **With:** Dynamic Suspension
Assembly Plant: Solihull

Range Rover (LG)

Model Year: 2015-2016
VIN: 197621-279492 **With:** Dynamic Suspension
Assembly Plant: Solihull

MARKETS:

NAS

CONDITION SUMMARY:

Situation: The air suspension system may not raise/lower with a warning displayed on the Instrument Cluster and Diagnostic Trouble Code (DTC) C1A13-64 may be stored.

Cause: This may be caused by the suspension air supply unit failing to vent in the allotted time due to either a blocked silencer or faulty exhaust valve.

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

PARTS:

LR075760	Suspension air supply unit exhaust valve - LR4 (L319)	Quantity: 1
LR078650	Suspension air supply unit - LR4 (L319)	Quantity: 1
LR075759	Suspension air supply unit exhaust valve - Range Rover Sport (L494), Range Rover (L405)	Quantity: 1
LR069693	Suspension air supply unit - Range Rover Sport (L494; with third row seating)	Quantity: 1
LR069691	Suspension air supply unit - Range Rover Sport (L494; without third row seating), Range Rover (L405)	Quantity: 1

TOOLS:

Jaguar Land Rover-approved diagnostic tool with latest DVD and Calibration File

Jaguar Land Rover-approved Midtronics battery power supply

Refer to the Service Instruction/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.

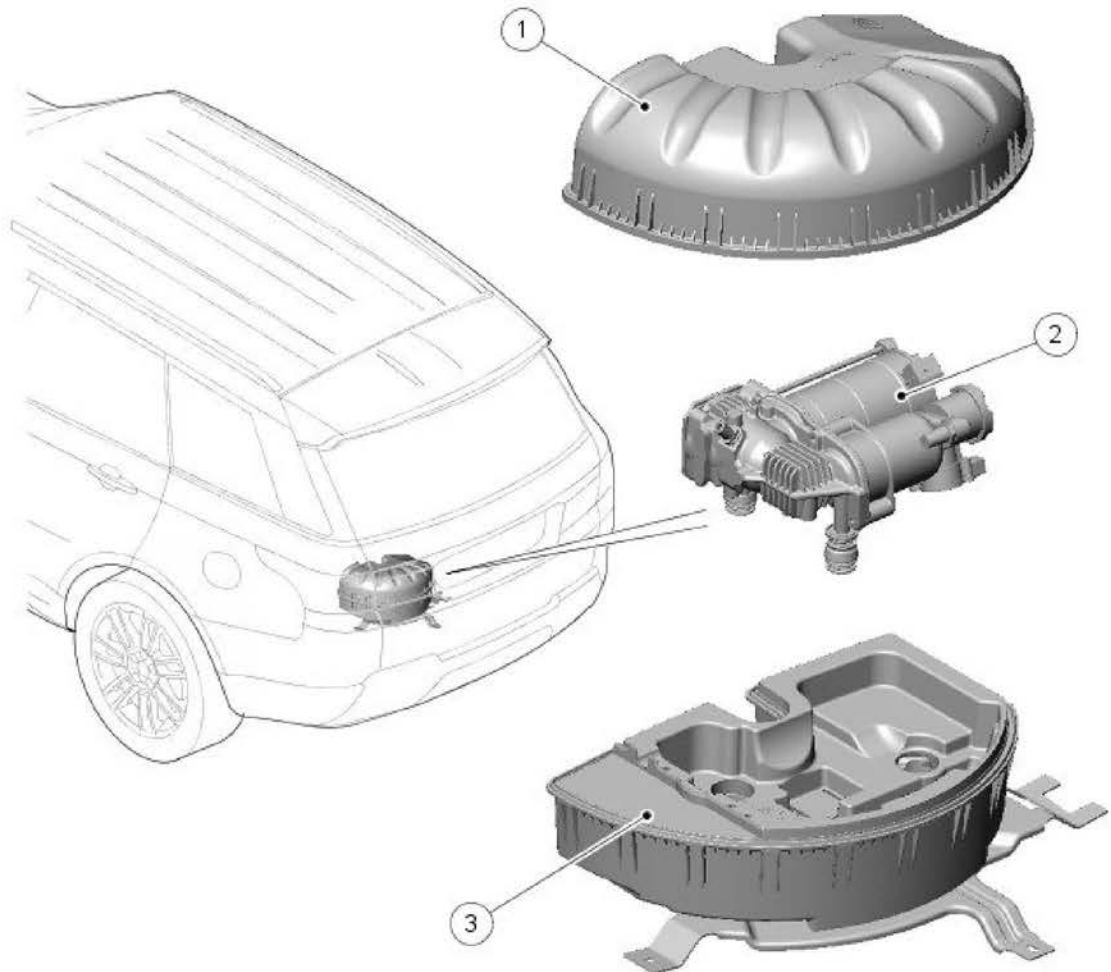
DESCRIPTION	SRO	TIME (HOURS)	CONDITION CODE	CAUSAL PART
Suspension air supply unit exhaust valve - Renew - LR4 (L319)	64.50.05	0.6	41	LR078650
Suspension air supply unit - Renew - LR4 (L319)	60.50.10	0.5	41	LR078650
Read and clear DTCs - LR4 (L319)	12.90.16	0.2	42	LR078650
Suspension air supply unit exhaust valve - Renew - Range Rover Sport (L494; with third row seating)	64.50.05.50	0.5	41	LR069693
Suspension air supply unit exhaust valve - Renew - Range Rover Sport (L494; without third row seating)	64.50.05	0.7	41	LR069693
Suspension air supply unit - Renew - Range Rover Sport (L494; with third row seating)	60.50.10.50	0.4	41	LR069693
Suspension air supply unit - Renew - Range Rover Sport (L494; without third row seating)	60.50.10	0.5	41	LR069693
Read and clear DTCs - Range Rover Sport (L494)	12.90.16	0.2	42	LR069693
Suspension air supply unit exhaust valve - Renew - Range Rover (L405)	64.50.05	0.7	41	LR069691
Suspension air supply unit - Renew - Range Rover (L405)	60.50.10	0.5	41	LR069691
Read and clear DTCs - Range Rover (L405)	12.90.16	0.2	42	LR069691

NOTE: Normal Warranty procedures apply.

COMPONENT LOCATION:

- NOTE:** Range Rover Sport (L494) shown; LR4 (L319), Range Rover (L405) similar.

Suspension air supply unit location.



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SERVICE INSTRUCTION:

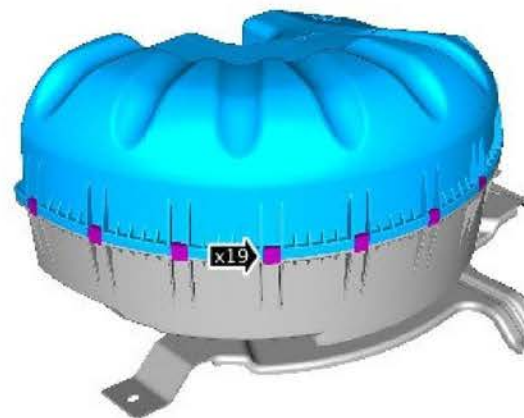
CAUTION: before disconnecting or removing components, make sure the area around the joint faces and connections are clean. Plug open connections to prevent contamination.

NOTE: removal steps in this procedure may contain installation details.

1. Remove the suspension air supply unit (see TOPIx Workshop Manual, section 204-05: Vehicle Dynamic Suspension).

2. **NOTE:** Range Rover Sport (L494) and Range Rover (L405) vehicles only.

Remove the suspension air supply unit cover.



E161582

All vehicles.

3. Check for white powder at the silencer.

- If white powder is present at the silencer **(A)**, replace the suspension air supply unit (see TOPIx Workshop Manual, section 204-05: Vehicle Dynamic Suspension).

- Once the new compressor is fitted, continue to Steps 11-18.

- If no white powder is present at the silencer **(B)**, replace the suspension air supply unit exhaust valve.

• Continue to:

- Range Rover Sport (L494) and Range Rover (L405) - Steps 4-18.

- LR4 (L319) - Steps 7-18.



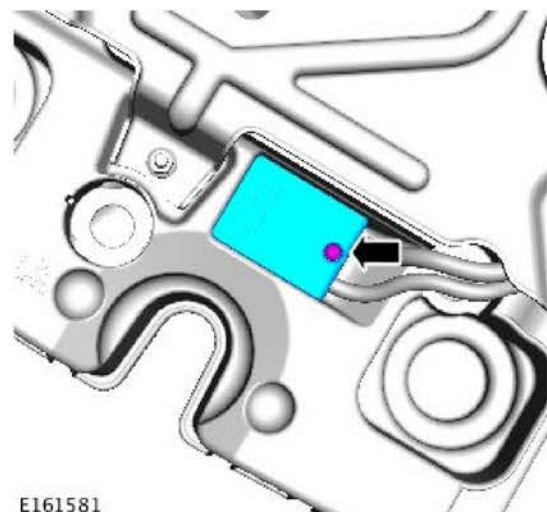
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 **NOTE: Steps 4-6: Range Rover Sport (L494) and Range Rover (L405) vehicles only.**

4. Remove the retaining screw.

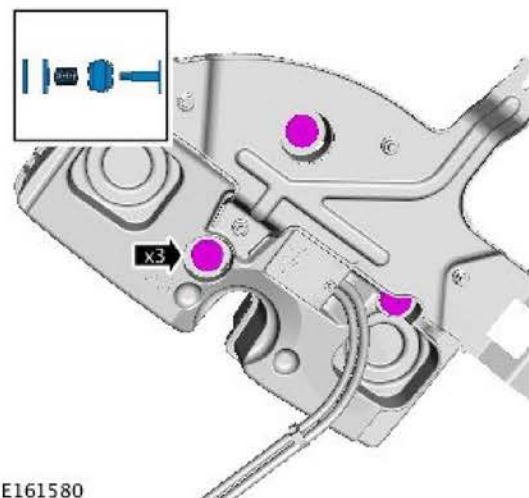
- Remove the electrical wiring cover.
- Torque: 1 Nm



E161581

5. Remove the suspension air supply unit retaining bolts.

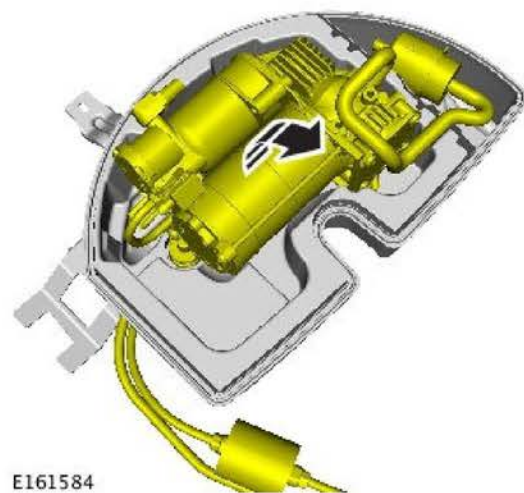
- Torque: 10 Nm



E161580

6.  **CAUTION: step 6: Range Rover Sport (L494) and Range Rover (L405) vehicles only. Before replacing the upper cover, make sure that the intake hose and filter are fitted in their correct positions. Failure to follow this instruction may cause damage to the component.**

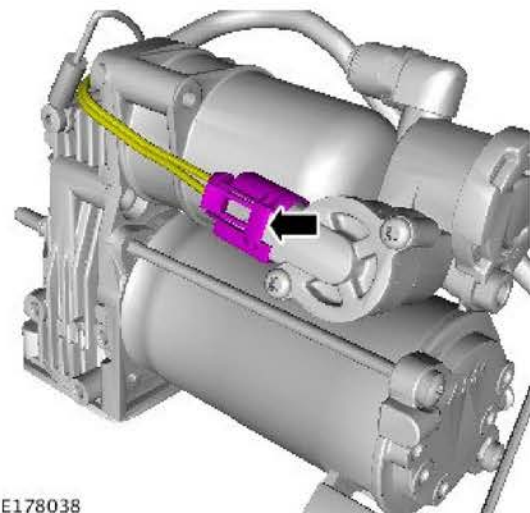
Reposition the suspension air supply unit to access the exhaust valve.



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7.  **NOTE: LR4 (L319) suspension air supply unit shown; Range Rover Sport (L494) and Range Rover (L405) similar.**

Remove the electrical connector from the exhaust valve of the suspension air supply unit.

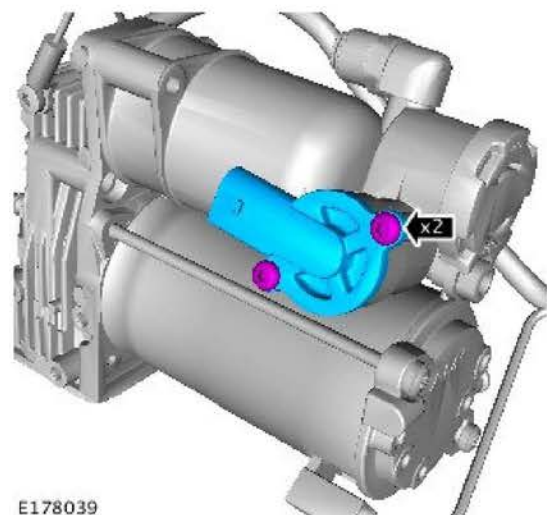


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8.  **NOTE: note the installed position before removal.**

Remove the retaining screws from the exhaust valve of the suspension air supply unit.

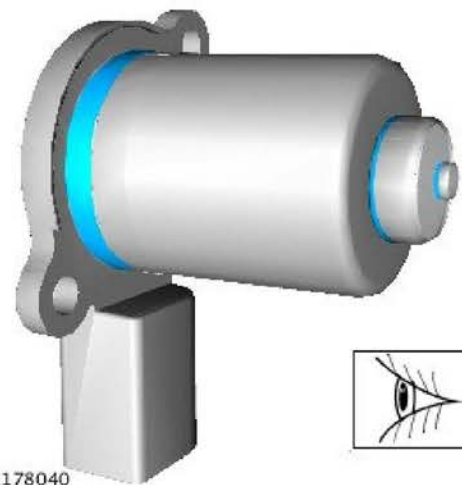
- Remove the exhaust valve from the suspension air supply unit.
- Torque: 3 Nm



E178039

9.  **CAUTION: when removing the suspension air supply unit exhaust valve, all three O rings must be removed from the suspension air supply unit.**

Make sure all three O rings on the exhaust valve have been removed from the suspension air supply unit.



E178040

10. To install the new suspension air supply unit exhaust valve, reverse the removal procedure.

 **CAUTION: a Jaguar Land Rover-approved Midtronics battery power supply must be connected to the vehicle battery during SDD diagnosis / module programming.**

 **CAUTION: ensure all ignition 'ON' / ignition 'OFF' requests are carried out; failure to perform these steps may cause damage to control modules in the vehicle.**

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

12. Turn ignition ON (engine not running).

- 13.** Connect the Jaguar Land Rover-approved diagnostic tool to the vehicle and begin a new session.
- 14.** Follow the on-screen prompts, allowing the diagnostic tool to read the VIN and identify the vehicle and initiating the data collect sequence.
- 15.** Read and clear all diagnostic trouble codes (DTC).
- 16.** Follow all on-screen instructions to complete this task.
- 17.** Exit the current session.
- 18.** Disconnect the diagnostic tool and battery power supply from the vehicle.