



TECHNICAL BULLETIN

LTB00447NAS2
17 JAN 2013

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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. Only refer to the electronic version of this TSB in TOPIX.

Changes are highlighted in gray

SECTION: 204-00

Air Suspension System Height Sensor Connector / Overlay Harness Kit Availability

AFFECTED VEHICLE RANGE:

LR4 (LA)	Model Year:	2010 Onwards
	VIN:	AA510178 Onwards
Range Rover Sport (LS)	Model Year:	2010 Onwards
	VIN:	AA212145 Onwards
Range Rover (LM)	Model Year:	2010-2012
	VIN:	AA304426-CA393639

MARKETS:

NAS

CONDITION SUMMARY:

Situation:

Air suspension system height sensor electrical connectors are now available as a serviceable part in the event of connector damage or corrosion causing an open or short circuit.

Cause: Air suspension height sensor connector corrosion or damage causing an open or short circuit.

Action: In the event it becomes necessary to replace an air suspension system electrical connector, follow the Repair Procedure outlined below.

PARTS:

LR030017	Height sensor Kit - vehicles without Adaptive Damping	Quantity: 1
LR030018	Height sensor kit - vehicles with Adaptive Damping	Quantity: 1

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	CONDITION CODE	CAUSAL PART
Height sensor overlay harness installation LH - All vehicles without Adaptive Damping	60.36.89/27	0.30	42	LR4 - LR015852; Range Rover Sport - LR016095; Range Rover - LR012262
Height sensor overlay harness installation RH - LR4, Range Rover Sport without Adaptive Damping	60.36.89/28	0.40		
Height sensor overlay harness installation RH - Range Rover without Adaptive Damping	60.36.89/28	0.30		
Height sensor overlay harness installation LH - All vehicles with Adaptive Damping	60.36.89/31	0.40		
Height sensor overlay harness installation RH - All vehicles with Adaptive Damping	60.36.89/32	0.40		




NOTE: Normal Warranty policies and procedures apply.

Appendix 1

Height Sensor Location	Connector Number	Adaptive Damping	Number of Wires
LH Front	C1696	No	3
RH Front	C1697	No	3
LH Rear	C1698	No	3
RH Rear	C1699	No	3
LH Front	C3095	Yes	6
RH Front	C3421	Yes	6
LH Rear	C3422	Yes	6
RH Rear	C3423	Yes	6

REPAIR PROCEDURE:

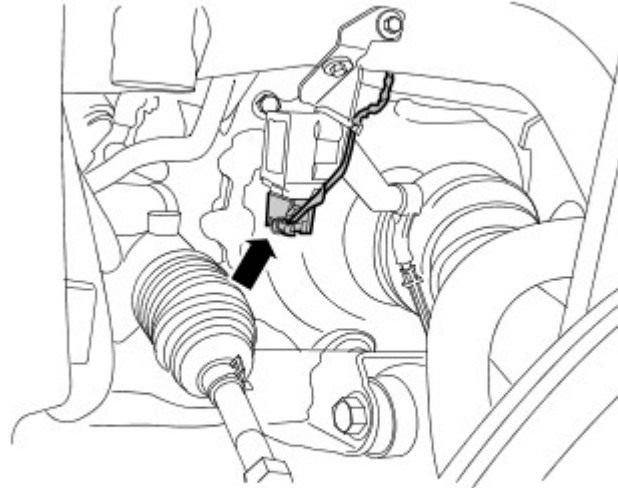
1. Disconnect the battery ground cable (Workshop Manual section 414-00).
2.  **WARNING: Do not work on or under a vehicle supported only by a jack. Always support the vehicle on safety stands.**

Raise and support the vehicle.

3. Remove the wheel and tire (Workshop Manual section 204-04).

LR4 and Range Rover Sport front height sensor

4. Disconnect the damaged height sensor electrical connector.
 - Release any retaining clips required to allow access to the electrical connector during the repair.

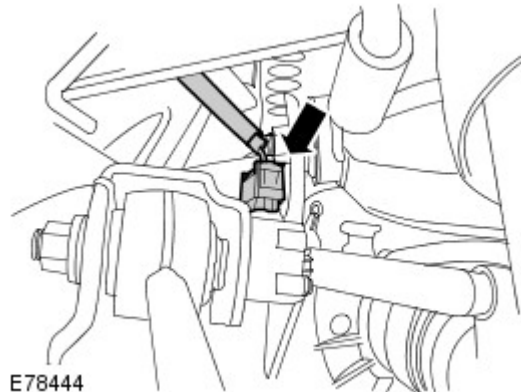


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LR4 and Range Rover Sport rear height sensor

5. Disconnect the damaged height sensor electrical connector.

- Release any retaining clips required to allow access to the electrical connector during the repair.

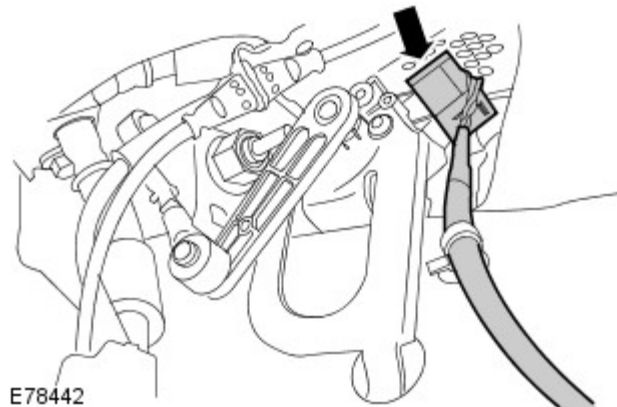


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Range Rover front height sensor

6. Disconnect the damaged height sensor electrical connector.

- Release any retaining clips required to allow access to the electrical connector during the repair.

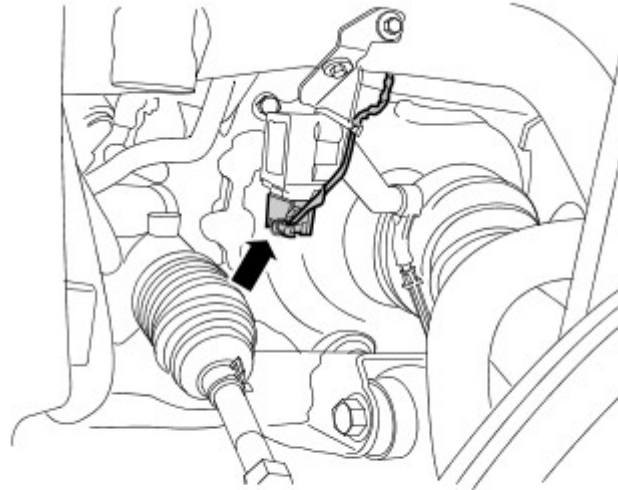


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Range Rover rear height sensor

7. Disconnect the damaged height sensor electrical connector.

- Release any retaining clips required to allow access to the electrical connector during the repair.




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All vehicles

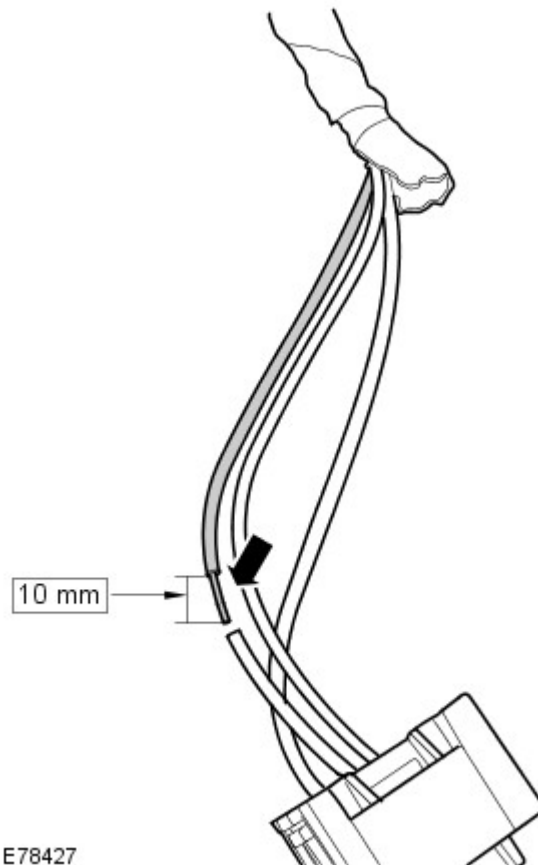
8. Remove a suitable amount of wiring harness insulation as required to access the wiring.

9.  **NOTE: Cut only one wire at a time and stagger each joint to allow easier installation.**


 **NOTE: The colors of the overlay harness wires may vary.**

 **NOTE: Vehicles with Adaptive Damping have six (6) wires; vehicles without Adaptive Damping have three (3) wires.**

Cut the wire on the vehicle harness leading to cavity one of the height sensor connectors in a suitable position and remove 10mm of insulation. (For connector location and pin identification, see Appendix 1 and refer to the relevant connector in the relevant Electrical Library).



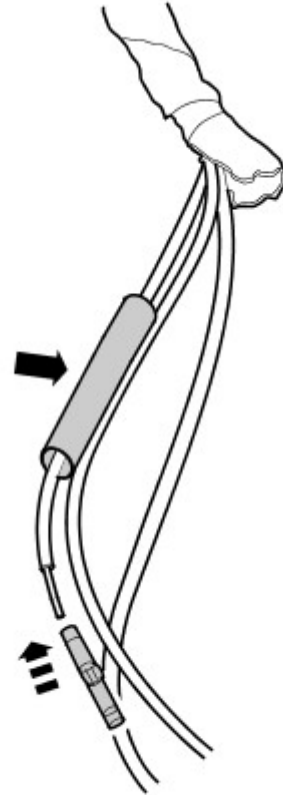
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10.  **NOTE: Make sure that the heat shrink is installed over the wire before crimping the**


connection.

Using a suitable tool, crimp the connector to the height sensor harness.

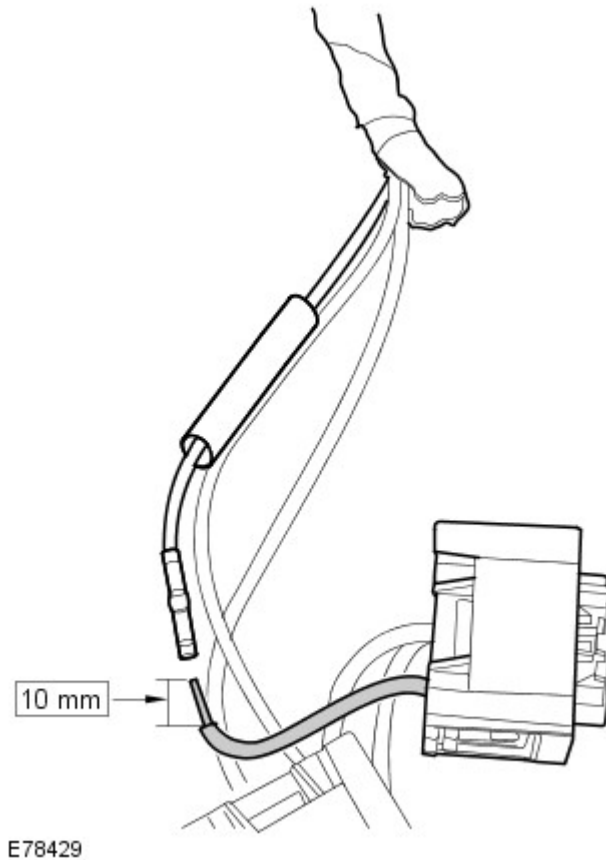
- Position the heat shrink over the height sensor harness.




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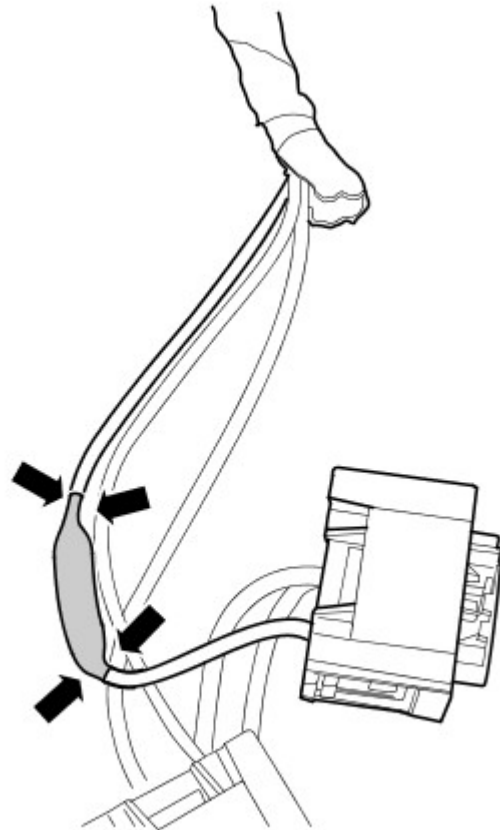
11.  **NOTE: The overlay harness should be cut so that there is no additional length added to the overall harness length after the repair.**

Using a suitable tool, remove 10mm of insulation from the appropriate wire on the new height sensor harness connector.



12.  **CAUTION: Make sure that the surrounding components and trim are suitably protected when using the heat gun; failure to follow this instruction may result in damage to the vehicle.**

Using a suitable tool, crimp the connector to the appropriate wire on the new height sensor harness connector and secure the heat shrink.



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13.  **NOTE: Cut only one wire at a time and stagger each joint to allow easier installation.**

 **NOTE: Vehicles with adaptive damping have six (6) wires; vehicles without Adaptive Damping have three (3) wires.**

Carry out steps 9 to 12 for the remaining wires on the height sensor connector.

14. Using a suitable tape, insulate the height sensor harness.

15. Connect the height sensor electrical connector.

- If required, secure any wiring harness clips released for access.

16. Install the wheel and tire (TOPIx Workshop Manual section 204-04).

17. Connect the battery ground cable (TOPIx Workshop Manual section 414-00).