

TECHNICAL BULLETIN
LTB00700NAS1
20 OCT 2014



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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.

SECTION: 204-00

Adaptive Damping Warning Indicator Displayed On The Instrument Cluster

AFFECTED VEHICLE RANGE:

Range Rover Sport (LS)

Model Year: 2010-2013

VIN: AA215623-DA814146

MARKETS:

NAS

CONDITION SUMMARY:

Situation: The Adaptive Damping warning indicator may be illuminated on the Instrument Cluster and upon investigation Diagnostic Trouble Codes (DTC) C110C-14, C110D-14, C110E-14, and/or C110F-14 may be present.

Cause: This may be caused by the wiring to the adaptive damper being damaged from fatigue attributed to the rotation of the damper during normal vehicle maneuvering.

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

PARTS:

LR064255 Damper connector Quantity: 1 - 4 (as necessary)

TOOLS:

SDD with latest DVD and Calibration File; first available on DVD139.02 v.185
Jaguar Land Rover-approved Midtronics battery power supply

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
Read and clear DTCs	12.90.16	0.2	42	LR051937
Harness repair - Front damper - Both	05.10.50	0.5	42	LR051937
Harness repair - Rear damper - Each	05.10.30	0.3	42	LR051937

 **NOTE: Normal Warranty procedures apply.**

SERVICE INSTRUCTION:



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.



NOTE: SDD must be loaded with DVD138.05 v.177 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 Symptom Driven Diagnostics (SDD) system to the vehicle and begin a new session.
4. Follow the on-screen prompts, allowing SDD to read the VIN and identify the vehicle and initiating the data collect sequence.
5. Read the Diagnostic Trouble Codes (DTC).
 - If DTC C110C-14 is present, go to the front left damper; carry on from Step 6.
 - If DTC C110D-14 is present, go to the front right damper; carry on from Step 6.
 - If DTC C110E-14 is present, go to the rear left damper, carry on from Step 14.
 - If DTC C110F-14 is present, go to the rear right damper, carry on from Step 14.

Steps 6-12: Front Left and Right Damper Wiring Repair



- 6. WARNING: Do not work on or under a vehicle supported only by a jack. Always support the vehicle on safety stands.**

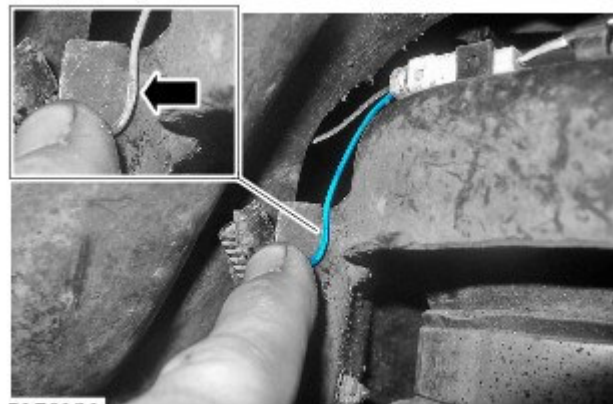
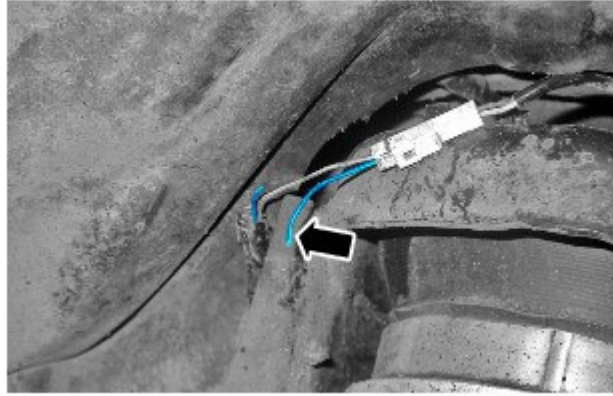
Raise and support the vehicle (see TOPIX Workshop Manual, section 100-02).

7. Remove both front wheel and tire assemblies.



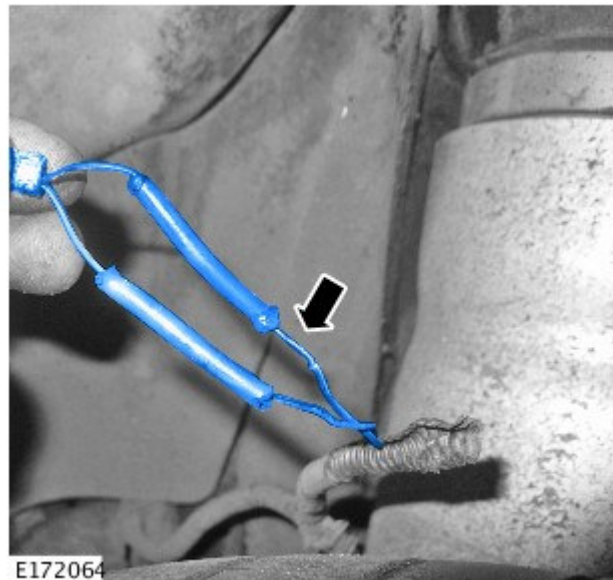
- 8. NOTE: Inspect both sides; if there is any sign of wear or contact that may result in a future damage, both sides must be repaired.**

Cut off the old connector at the damaged area, noting the terminal orientation.



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- 9. Using heatshrink and inline connector from harness repair kit, splice in the new connector.



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- 10. Using suitable tape, insulate the repaired wiring harness and install wiring harness as shown.



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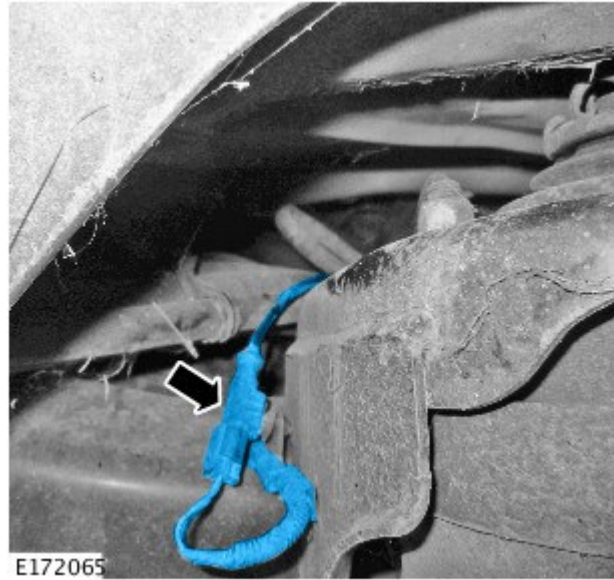
11. Repeat steps 6-8 to the other side.
12. Install both front wheel and tire assemblies.
 - Torque: 140Nm
13. If DTC C110E-14 and/or C110F-14 is set, continue to step 14.
 - If DTC C110E-14 and/or C110F-14 is not set, continue to step 20.

Steps 14-19: Rear Left and/or Right Damper Wiring Repair

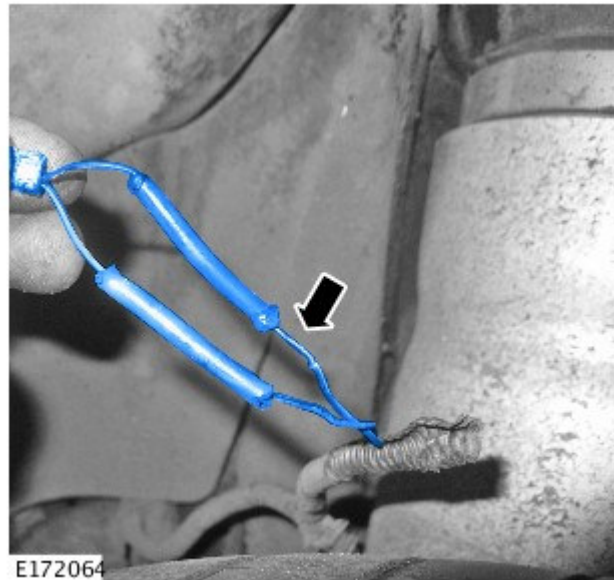
14.  **WARNING: Do not work on or under a vehicle supported only by a jack. Always support the vehicle on safety stands.**

Raise and support the vehicle (see TOPIx Workshop Manual, section 100-02).

15. Remove the rear left and/or right wheel and tire assembly as necessary.
16. Cut off the old connector at the damaged area, noting the terminal orientation.



- 17.** Using heatshrink and inline connector from harness repair kit, splice in the new connector.



- 18.** Using suitable tape, insulate the repaired wiring harness and install wiring harness.
- 19.** Install the wheel and tire assembly(ies).
- Torque: 140Nm
- 20.** Use SDD to clear all DTCs.
- 21.** Exit the current session.
- 22.** Disconnect the SDD and the battery power supply from the vehicle.