With:

Adaptive Damping

TECHNICAL BULLETIN LTB00791NAS1 28 SEP 2015



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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: 204-05

Adaptive Damping Warning Light Displayed On The Instrument Cluster

AFFECTED VEHICLE RANGE:

Range Rover Evoque (LV) Model Year: 2012 Onwards 000447 Onwards VIN:

Manufacturing Halewood Plant:

MARKETS:

NAS

CONDITION SUMMARY:

Situation: The Adaptive Damping (AD) warning light may be displayed on the Instrument Cluster (IC). Upon diagnosis, a technician may find Diagnostic Trouble Codes (DTC) present in the Integrated Suspension Control Module (ISCM) or Suspension Control Module (SUM).

Cause: This may be caused by damage to the adaptive damper electrical wiring harness.

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

PARTS:

NOTE: the adaptive damper electrical wiring repair kit is available in Microcat

LR056270 Adaptive damper electrical wiring repair kit Quantity: 1

TOOLS:

SDD with latest DVD and Calibration File

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
Front adaptive damper harness - Repair - One side	86.71.89.39	0.5	B4	LR057931
Front adaptive damper harness - Repair - Both sides	86.71.89.40	0.8	B4	LR057931
Read and clear DTCs	12.90.16	0.2	B4	LR057931

NOTE: Normal Warranty procedures apply.

SERVICE INFORMATION:

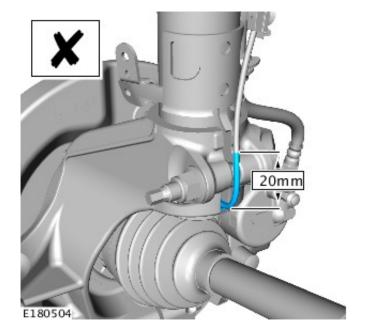


NOTE: some components shown removed for clarity.

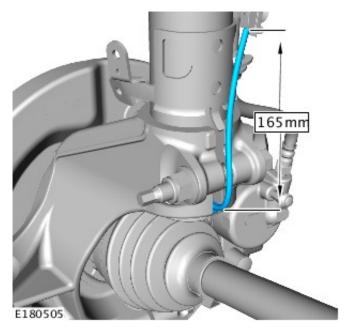
NOTE: some variation in the illustrations may occur, but the essential information is always correct.

MOTE: if the wiring is damaged within 20 mm of the bottom of the wheel knuckle, install a new adaptive damper (see TOPIx Workshop Manual, section 204-05).

Inspect the adaptive damper electrical wiring harness.



2When installing the new adaptive damping electrical wiring harness, the length of the repaired wiring harness must not exceed 165 mm.



SERVICE INSTRUCTION:

NOTE: some components shown removed for clarity.

NOTE: some variation in the illustrations may occur, but the essential information is always



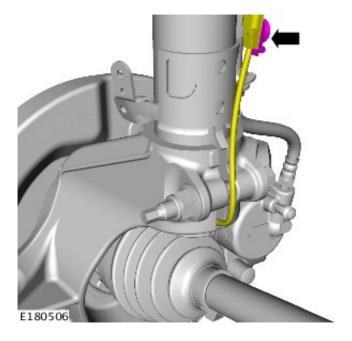
WARNING: make sure to support the vehicle with axle stands.

Raise and support the vehicle.

2Remove the front wheel and tire (see TOPIx Workshop Manual, section 204-04).

3 NOTE: front right damper shown; front left similar.

Disconnect the adaptive damper electrical wiring harness from the mounting bracket.

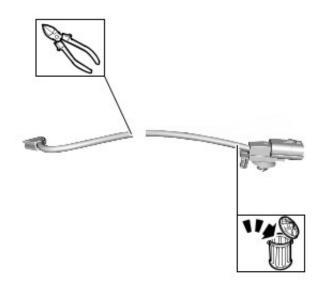


4 NOTE: inspect the adaptive damper electrical wiring harness for corrosion.

NOTE: do not install a repair harness to a corroded adaptive damper electrical wiring harness; cut back to a corrosion-free point as required.

NOTE: refer to the Service Information.If the adaptive damper electrical wiring harness is corroded to within 20 mm of the wheel knuckle, install a new adaptive damper.

Cut the adaptive damper electrical wiring harness at an appropriate position and prepare the wiring for the crimp connectors (see TOPIx Workshop Manual, section 418-02 - Wiring Harness Repair).



E180507

5Install the protective sleeving to the adaptive damper electrical wiring harness.

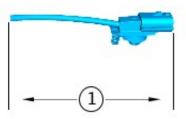


E180508

6 NOTE: refer to the Service Information section. Cut the repair harness (1) so the total length of the adaptive damper wiring harness does not exceed 165 mm.

Cut the adaptive damper wiring harness to the correct length.

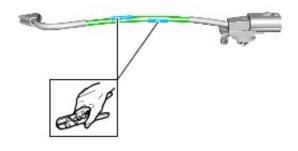
 Prepare the adaptive damper wiring harness for the crimp connectors (see TOPIx Workshop Manual, section 418-02 - Wiring Harness Repair).



E180509

7 NOTE: install the electrical crimp connectors in a staggered arrangement as shown.

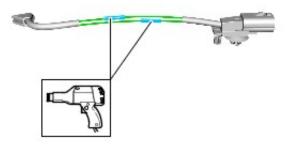
Install the repair harness to the adaptive damper electrical wiring harness (see TOPIx Workshop Manual, section 418-02 - Wiring Harness Repair).



E180510

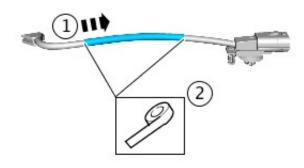
8 CAUTION: take extra care not to damage the surrounding components.

Using a suitable tool, heat the electrical crimp connectors until sealed (see TOPIx Workshop Manual, section 418-02 - Wiring Harness Repair).



E180511

9Install the protective sleeving (1) and secure with insulation tape (2).



E180512

10To install, reverse the removal procedure.

DIAGNOSTIC 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.

- 1Connect the Jaguar Land Rover-approved Midtronics battery power supply to the vehicle battery.
- 2Turn 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 and clear any stored DTCs
- **6**Follow all on-screen instructions to complete this task.
- **7**Exit the current session.
- **8**Disconnect the SDD and the battery power supply from the vehicle.