

TECHNICAL BULLETIN

LTB00643NAS1

25 FEB 2014



© Jaguar Land Rover North America, LLC

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: 414-01

Battery Charge Warning Lamp On With DTC B11DB-87 Stored

AFFECTED VEHICLE RANGE:

LR4 (LA)

Model Year: 2010 Onwards

VIN: AA510742 Onwards

Range Rover Sport (LS)

Model Year: 2010-2013

VIN: AA215623-DA814822

Range Rover (LM)

Model Year: 2010-2012

VIN: AA306627-CA393639

MARKETS:

NAS

CONDITION SUMMARY:

Situation: The battery charge warning lamp may be displayed in the Instrument Cluster with Diagnostic Trouble Code (DTC) B11DB-87 stored in the Body Control Module (BCM).

Cause: This may be caused by a blown Battery Monitoring System (BMS) fused harness.

Action: Should a customer express this concern, follow the appropriate Service Instruction [A - LR4, Range Rover Sport; B - Range Rover] outlined below.

PARTS:

LR057241 BMS fused harness Quantity: 1

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
BMS fused harness - Renew - LR4 (L319)	86.70.99	0.3	42	LR030454
BMS fused harness - Renew - Range Rover Sport (L320)	86.70.99	0.3	42	LR030454

BMS fused harness - Renew - Range Rover (L322)	86.70.99	0.4	42	LR021864
--	----------	-----	----	----------

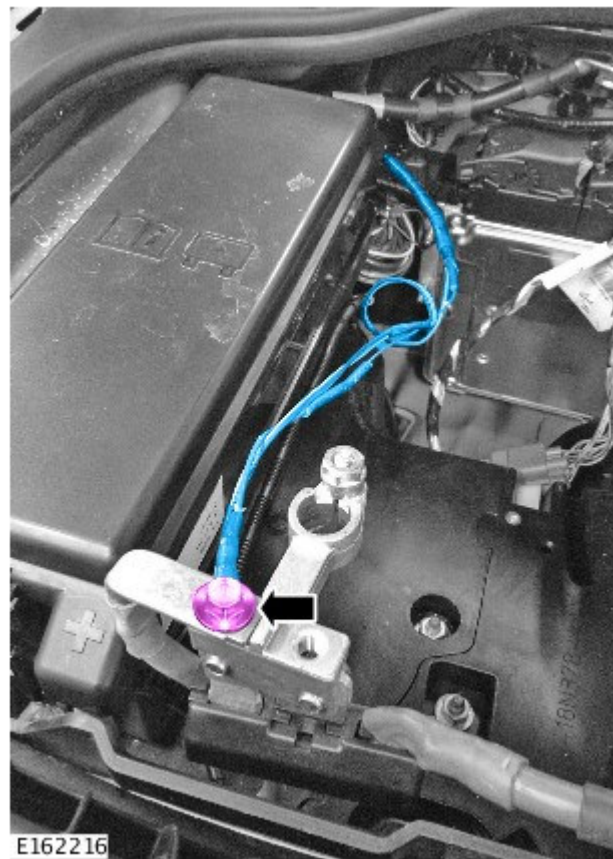


NOTE: Normal Warranty policies and procedures apply.

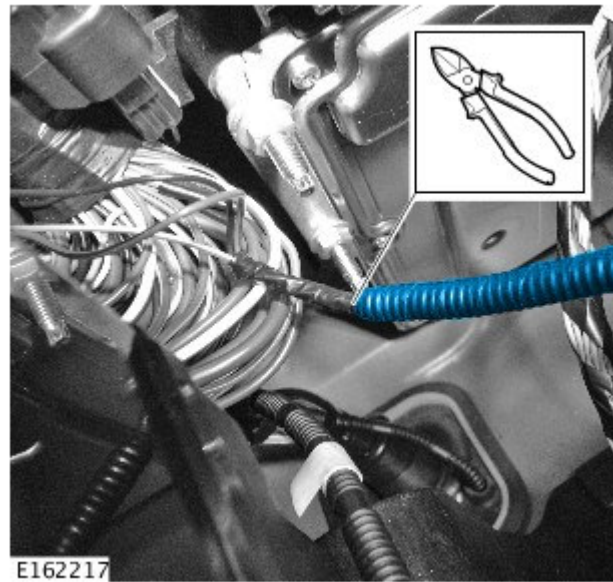
SERVICE INSTRUCTION A

Service Instruction 'A' - LR4 (L319) and Range Rover Sport (L320) only.

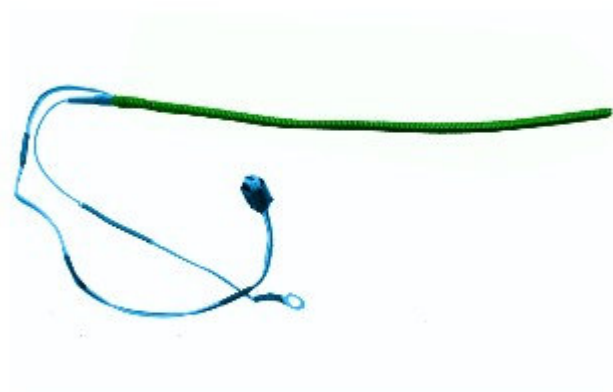
1. Using a digital multi-meter, check the continuity of the fused harness.
 - If 'open circuit', continue to the next step.
 - If not 'open circuit', refer to Diagnostic Trouble Code help text in TOPIx.
2. Remove the battery (see TOPIx Workshop Manual, section 414-01).
3. Locate the Battery Monitoring System (BMS) fused harness and transit relay wiring and disconnect from the battery positive connection.



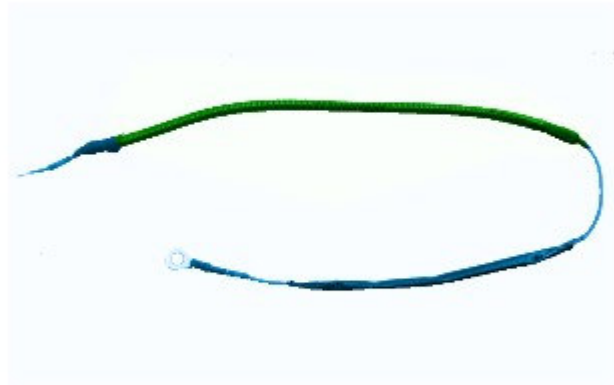
4. At the end of the harness conduit, cut all three wires and remove the BMS fused harness and transit relay wiring from the vehicle.



5. Insulate the two transit relay wires and secure to main harness.
6. Separate the wiring and the harness conduit.

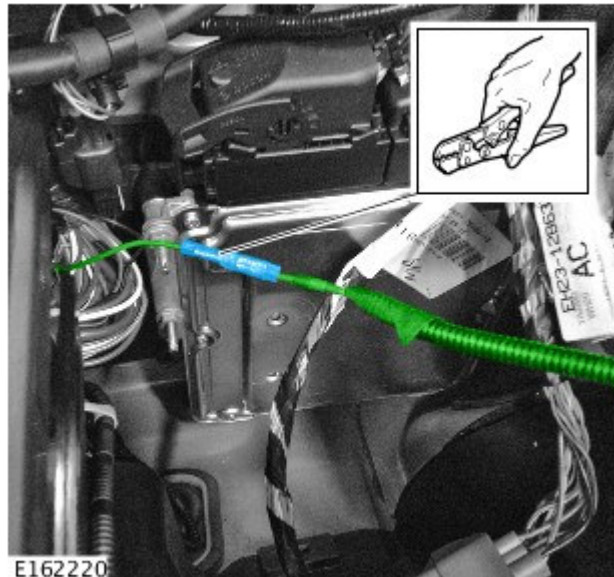


7. Install the new BMS fused harness into the harness conduit.



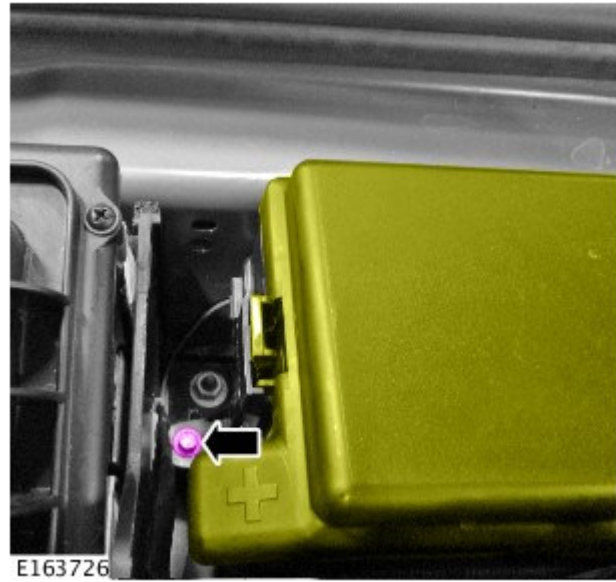
E162219

8. Using the harness repair kit, create a spliced joint between the fused repair harness wire and the vehicle wiring harness (see TOPIX Workshop Manual, section 418-02).



E162220

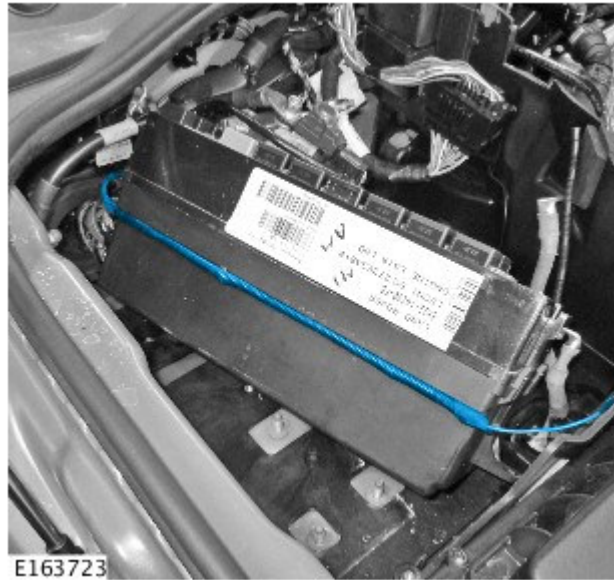
9. Remove the retaining bolt and position the Engine Junction Box (EJB) to the side.



10. Locate the retaining clips on the side of the EJB.

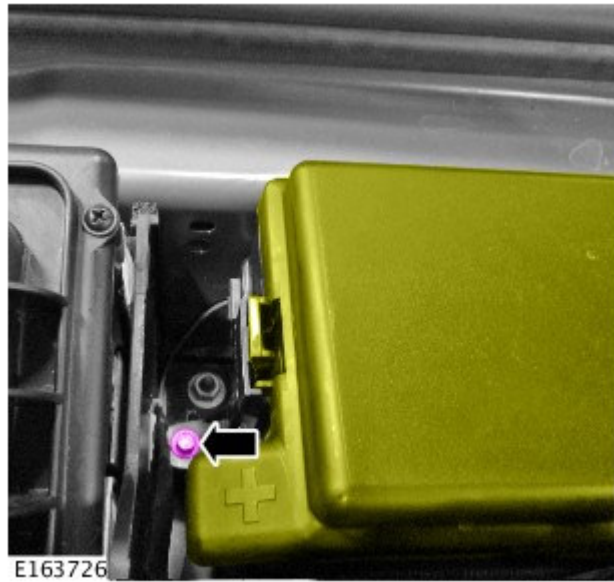


11. Install the BMS fused harness into the retaining clips on the EJB.



12. Install the EJB:

- Torque: 9 Nm



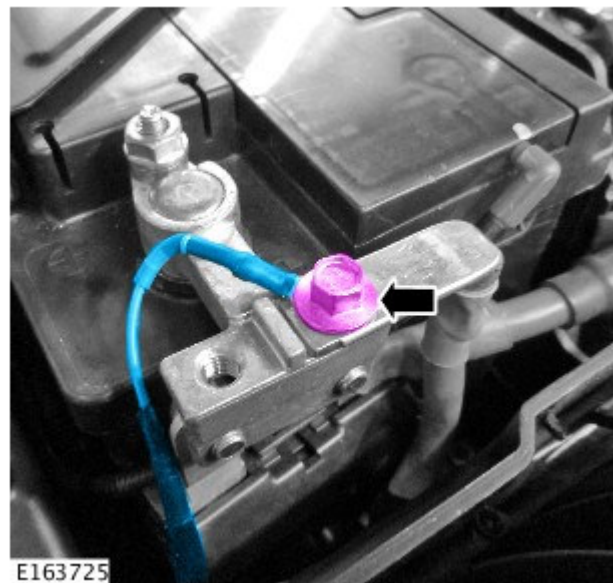
13. Make sure the battery vent pipe is located correctly into the retaining clips on the EJB.



14. Install the battery (see TOPIx Workshop Manual, section 414-01).

15. Install the BMS fused harness to the positive battery connection.

- Torque: 10 Nm



16. Start the engine and check for correct battery charge warning lamp operation.

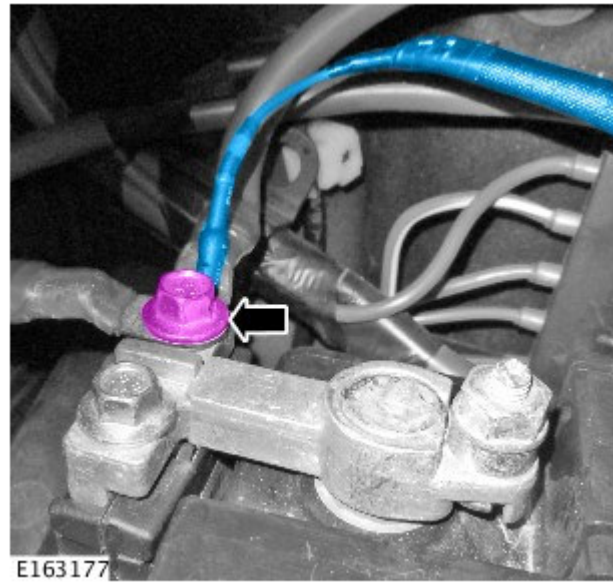
SERVICE INSTRUCTION B

Service Instruction 'B' - Range Rover (L322) only.

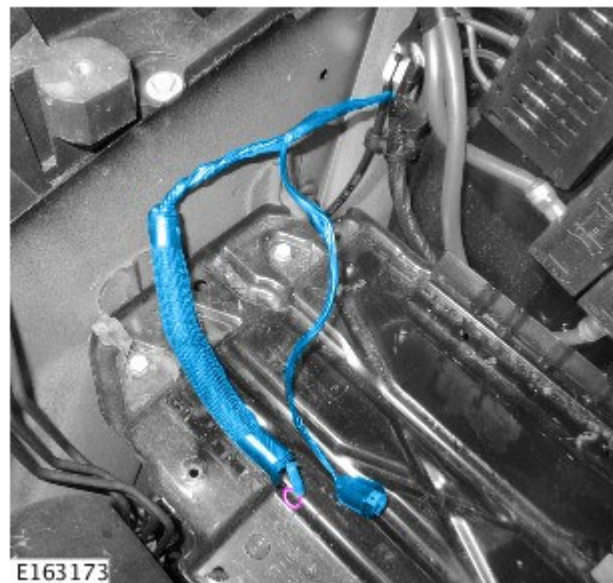
1. Using a digital multi-meter, check the continuity of the fused harness.

- If 'open circuit', continue to the next step.
- If not 'open circuit', refer to Diagnostic Trouble Code help text in TOPIx.

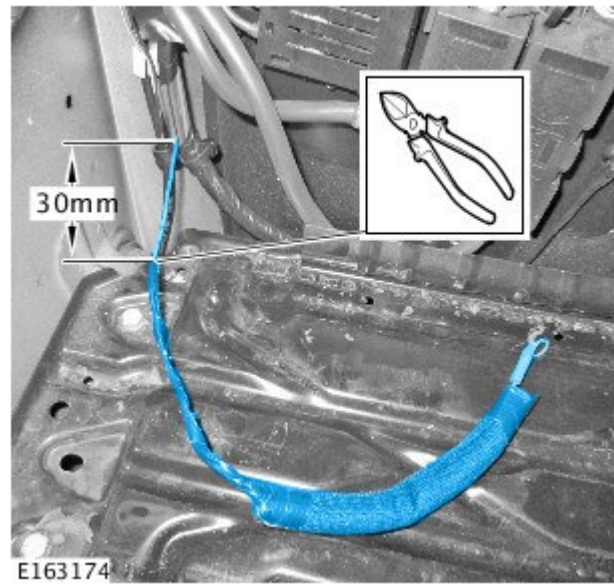
2. Locate the Battery Monitoring System (BMS) fused harness and remove from the battery positive connection.



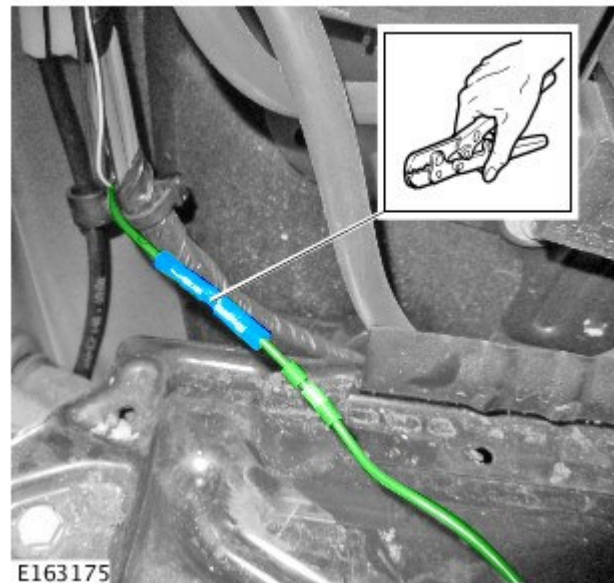
3. Remove the battery (see TOPIx Workshop Manual, section 414-01).
4. Separate the BMS fused harness from the transit relay wiring and secure the transit relay wiring to the main wiring harness.



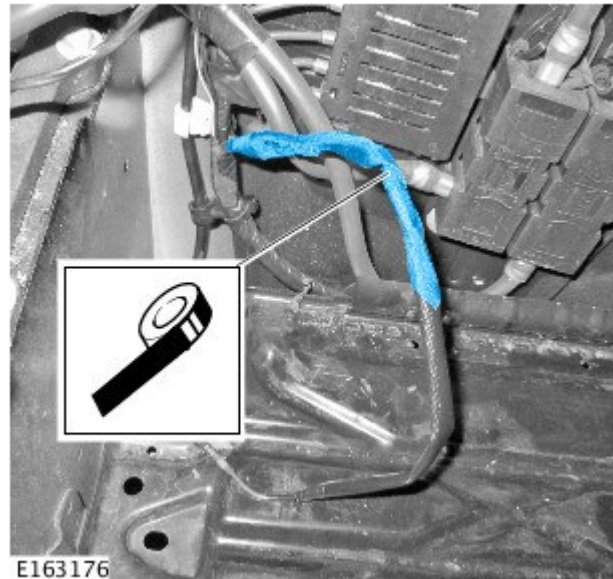
5. Remove the insulation from the wiring harness; measure 30mm from the base of wiring junction and cut and remove the original BMS fused harness.



- 6.** Using the harness repair kit, create a spliced joint between the fused repair harness wire and the vehicle wiring harness (see TOPIX Workshop Manual, section 418-02).



- 7.** Insulate the wiring harness.

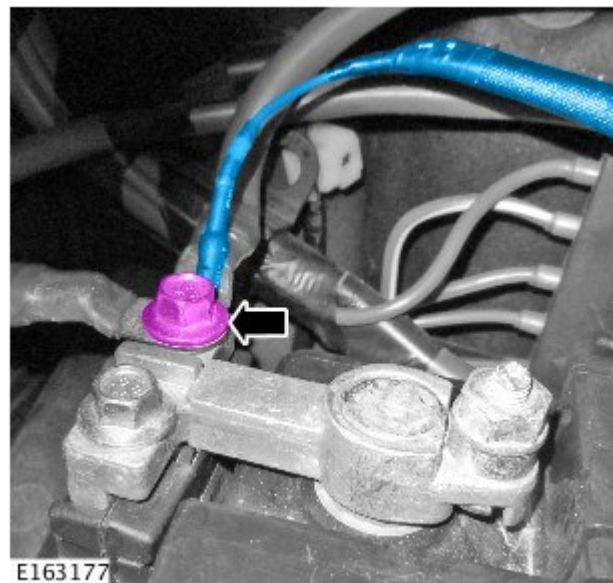


8. Install the battery (see TOPIx Workshop Manual section 414-01).

9.  **CAUTION: Make sure that the fused harness is routed in a suitable manner and is not trapped by any components.**

Route the wiring around the rear of the battery; install the BMS fused harness to the positive battery connection.

- Torque: 10 Nm



10. Start the engine and check for correct battery charge warning lamp operation.