TECHNICAL BULLETIN
Q447 UPS9814-1bNAS1
23 DEC 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: 418-02

Update Prior to Sale: Engine MIL Illuminated with DTC P25A2-00 Stored

AFFECTED VEHICLE RANGE:

Range Rover Sport (LW)
Model Year: 2015 **Engine:** V6 S/C 3.0L Petrol
VIN: FA504511 Onwards

Range Rover Sport (LW)
Model Year: 2015 **Engine:** V6 S/C 3.0L Petrol
VIN: FA601763 Onwards

Range Rover (LG)
Model Year: 2015 **Engine:** V6 S/C 3.0L Petrol
VIN: FA197042 Onwards

MARKETS:

NAS

CONDITION SUMMARY:

Situation: On vehicles fitted with the 3.0L SC V6 engine, the engine Malfunction Indicator Lamp (MIL) may be illuminated with Diagnostic Trouble Code (DTC) P25A2-00 stored in the Engine Control Module (ECM).

Action: Retailers are required to **HOLD** only affected vehicles that are within your control and refrain from releasing the vehicles for new or used vehicle sale pending completion of the rework action detailed in this Technical Bulletin. Unsold vehicles should have this performed as part of the Pre-Delivery Inspection (PDI) process but **must** have it completed prior to vehicle handover to the customer.
Affected vehicles already in the hands of customers should be updated at the next available opportunity.

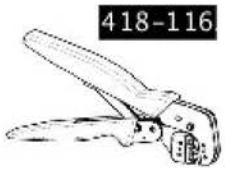
PARTS:

NOTE: initial supply (5 each) of link leads and fusible links have been shipped to retailers at no cost; additional quantities should be ordered as per normal procedures.

DESCRIPTION	PART No. / SUNDRY CODE	QTY. / VALUE	EXPECTED % of VEHICLES REQUIRING PARTS*
Electrical link lead	LR073319	1	100
Fusible link 30amp	LR030045	1	100
Butt splice crimp (1, blue); Heat shrink tubing (2)	ZZZ001	** $2.89	100

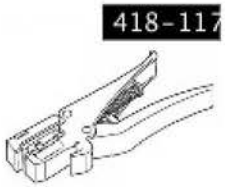
** - an allowance equivalent approximately US$2.89 has been provided to cover the cost of the locally sourced: one (1) butt splice (Wurth part number 1559742; 14-16ga); and two (2) pieces heat shrink tubing (¼"-dia., 3" long)

SPECIAL TOOLS:



E164242

Crimping pliers 418-116A



E164243

Insulation stripper 418-117

WARRANTY:

NOTE: check DDW to ensure that a vehicle is affected by this program prior to undertaking any rework action.

At the time of confirming a booking for vehicle repair, ensure that all outstanding Service Actions are identified to ensure the correct parts are available and adequate workshop time is allocated for repairs to be completed at one visit.

Repair procedures are under constant review, and therefore times / prices are subject to change; those quoted here must be taken as guidance only. Refer to TOPIx to obtain the latest repair time.

This program is valid for a limited time only. Warranty claims with a repair date prior to the **23 June 2015** closure date must be submitted quoting Program Code **'Q447'** together with the relevant Option Code from the table. The SRO and part information listed have been included for information only. The Option Code(s) that allows for the drive in / drive out allowance may only be claimed if the vehicle is brought into the workshop for this action alone to be undertaken.

PROGRAM CODE	OPTION CODE	DESCRIPTION	SRO	TIME (HOURS)	PARTS / SUNDRY CODE	QTY. / VALUE
Q447	B	Install electrical link lead Read and clear fault codes	05.10.40 12.90.16	0.40 0.20	LR073319 LR030045 ZZZ001	1 1 $2.89
Q447	C	Install electrical link lead Read and clear fault codes Drive in/drive out	05.10.40 12.90.16 02.02.02	0.40 0.20 0.20	LR073319 LR030045 ZZZ001	1 1 ** $2.89

** - an allowance equivalent approximately US$2.89 has been provided to cover the cost of the locally sourced: one (1) butt splice (Wurth part number 1559742; 14-16ga); and two (2) pieces heat shrink tubing (¼"-dia., 3" long)

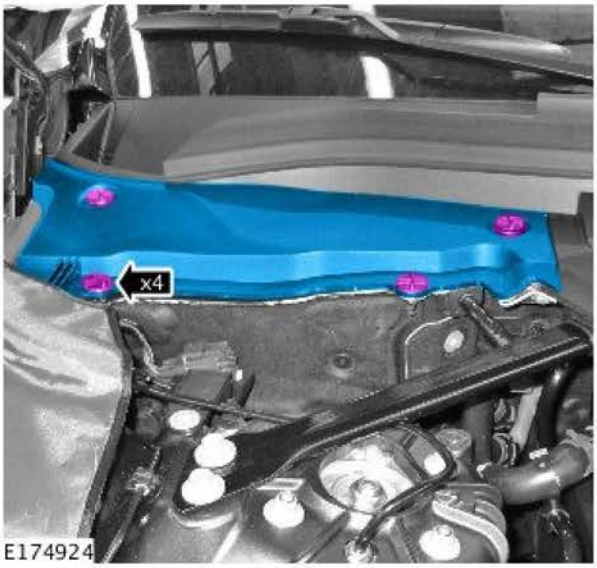
Normal Warranty policies and procedures apply

SERVICE INSTRUCTION:

NOTE: Tools required to carry out this procedure are butt connector crimping tool 418-116A, wire cutter, wire sheathing removal tool 418-117A and a heat gun to apply small moderate temperature localized for heat shrink wrapping.

1. Disconnect the primary, secondary, and auxiliary batteries (as applicable) (see TOPIx, Workshop Manual, section 414-00).

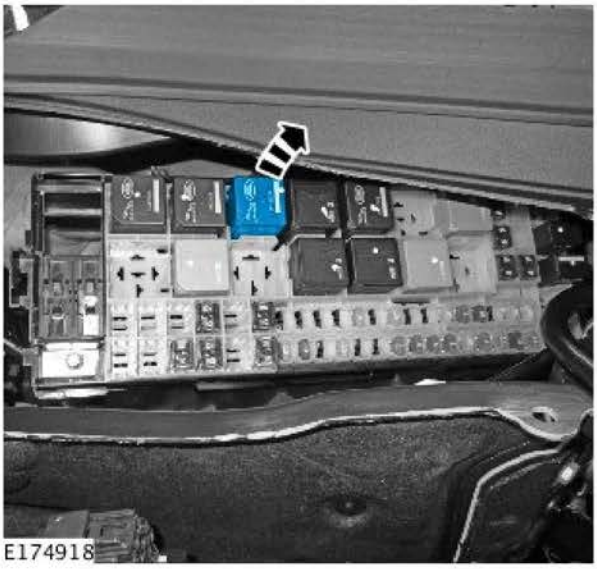
2. Remove the cowl vent trim access panel.



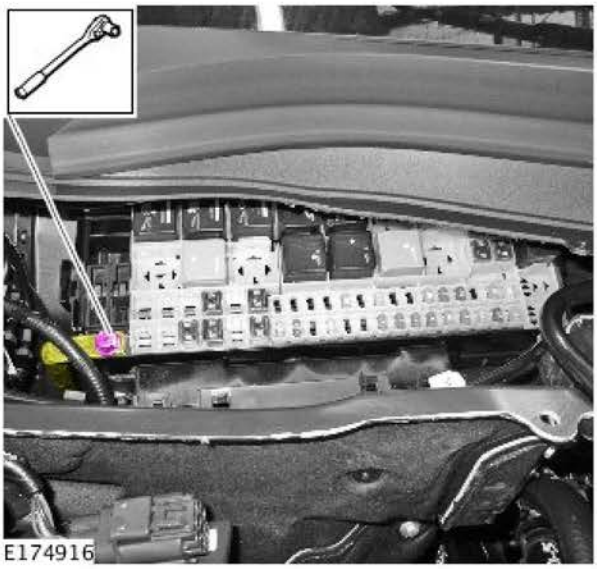
3. Remove the Battery Junction Box (BJB) cover.

E174915

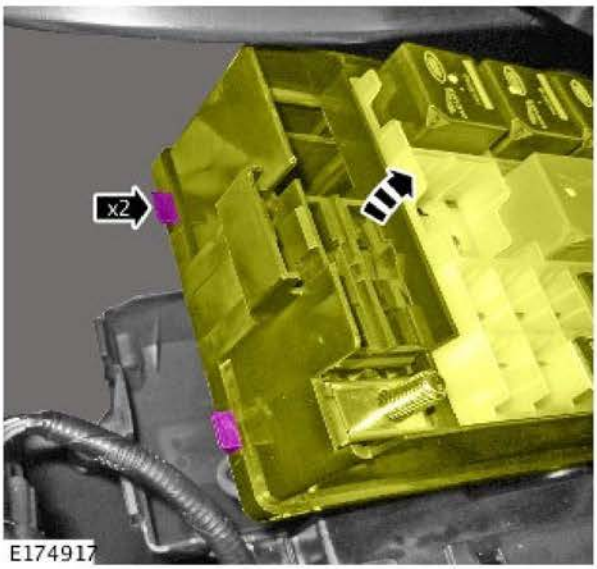
4. Remove the relay (R14) from the Battery Junction Box (BJB) to help identify the relay terminal being worked on.


E174918

5. Disconnect the Battery Junction Box (BJB) power supply.

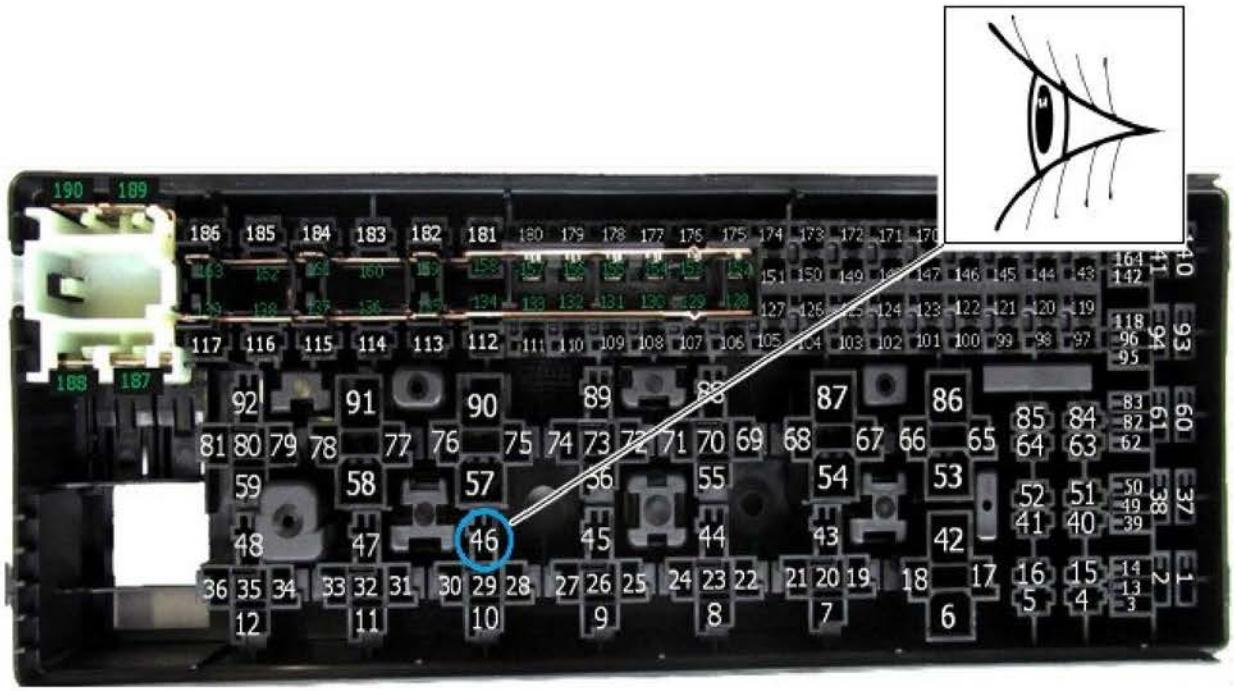


6. Release the Battery Junction Box (BJB) and position to one side.



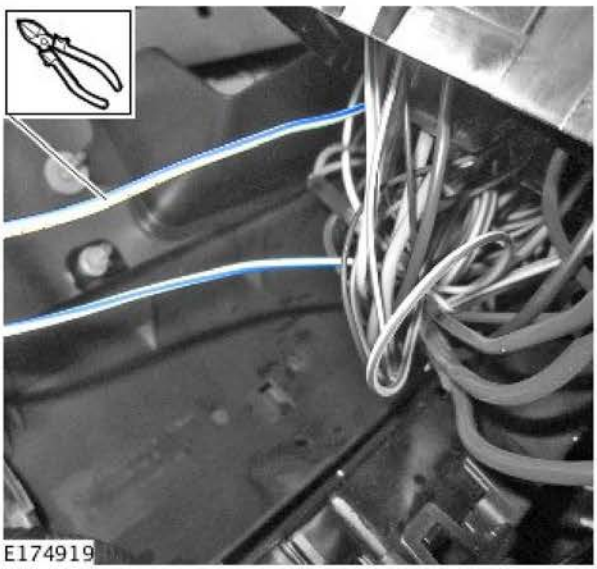
7. **CAUTION: Do not remove the relay terminal or any fuses or relays from the Battery Junction Box (BJB).**

Locate the white/blue wire (pin number 46) from the rear of the Battery Junction Box (BJB).



E174971

8. Using wire cutter, cut the wire (pin number 46) 250mm back from the connection at the Battery Junction Box (BJB).

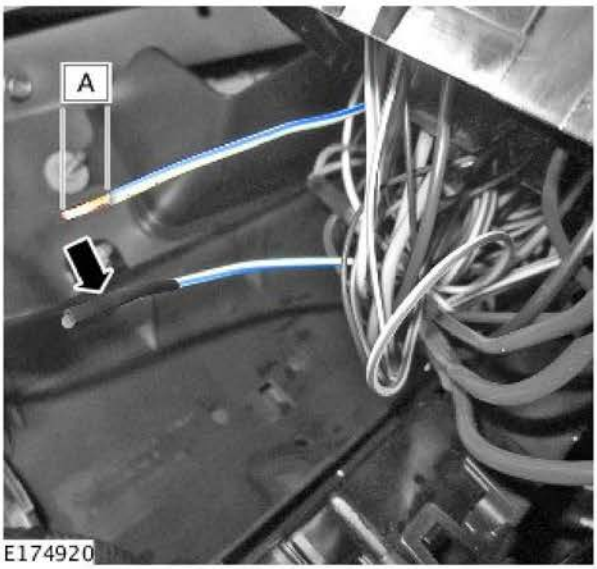


E174919

9. Using a suitable heat gun, install heat shrink to the body wiring harness side of the cut wire and secure with

electrical tape to the harness as this circuit is no longer required.

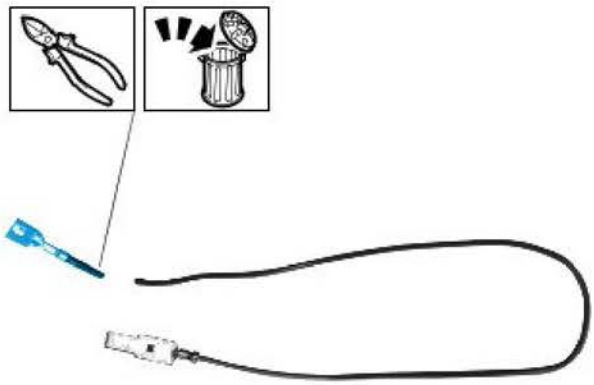
- Using wire sheathing removal tool 418-117A, remove 10mm of insulation from the wire coming from the Battery Junction Box (BJB).



E174920

10. **NOTE: The link lead provided (LR073319) is approximately 400 mm in length; cut into two 200mm-long pieces.**

Using wire cutter, cut the link lead (LR073319) in half; discard the female half as illustrated.


E174992

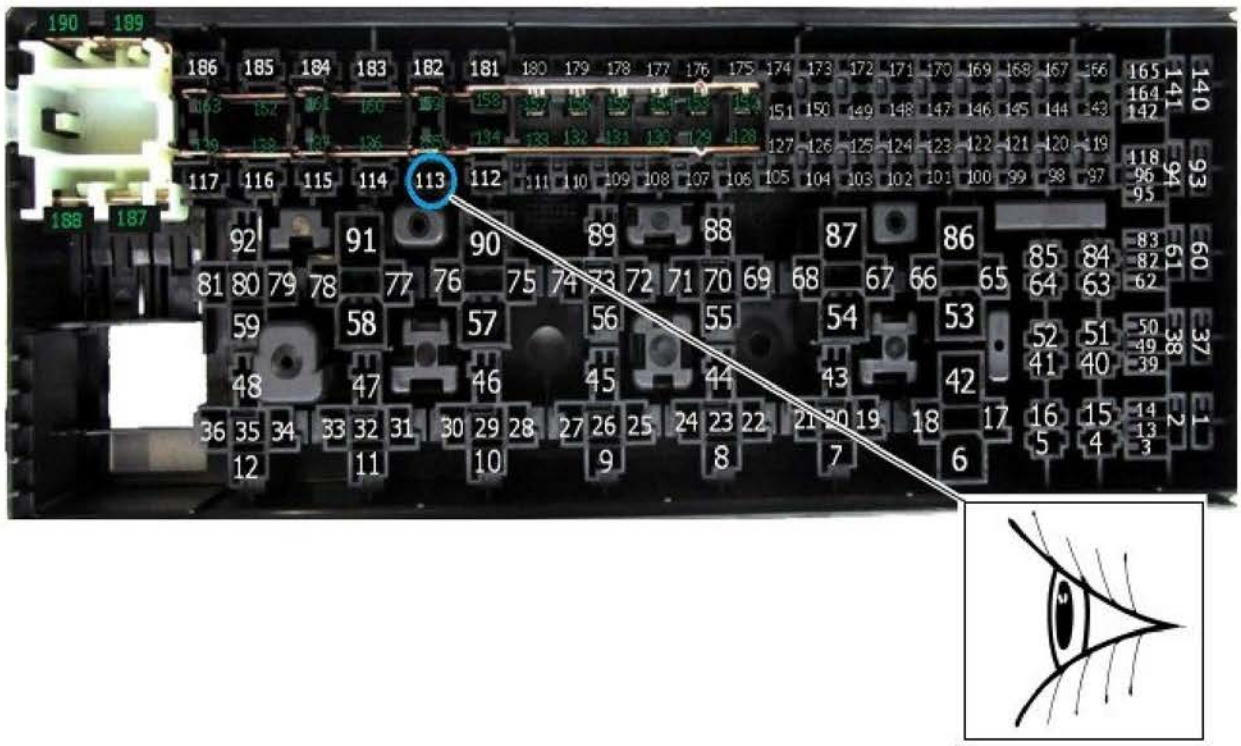
11. Position heat shrink tubing over link harness, but do not apply heat source at this point.

- Using wire sheathing removal tool 418-117A, remove 10mm of insulation from the wire coming from the Battery Junction Box (BJB).
- Using butt connector crimping tool 418-116A, install the electrical harness link lead to the white/blue wire (pin number 46) using the appropriate blue butt splice crimp (locally sourced).
- Using a suitable heat gun, insulate the crimp joint with heat shrink tubing.

E174921

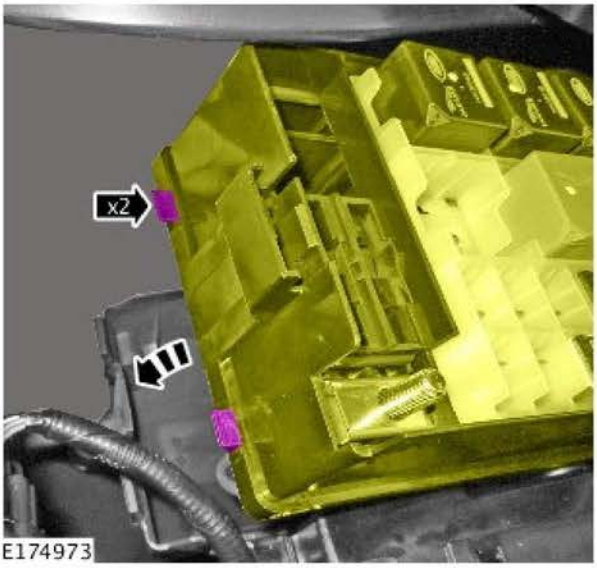
12. Install the male spade terminal of the link lead into cavity 113 in the rear of the Battery Junction Box (BJB).

- An audible 'click' should be heard during insertion.
- Following insertion, move the wire forwards and backwards to make sure it is correctly engaged and has not released.
- Install the wiring harness link lead to the body wiring harness with electrical tape.



E174972

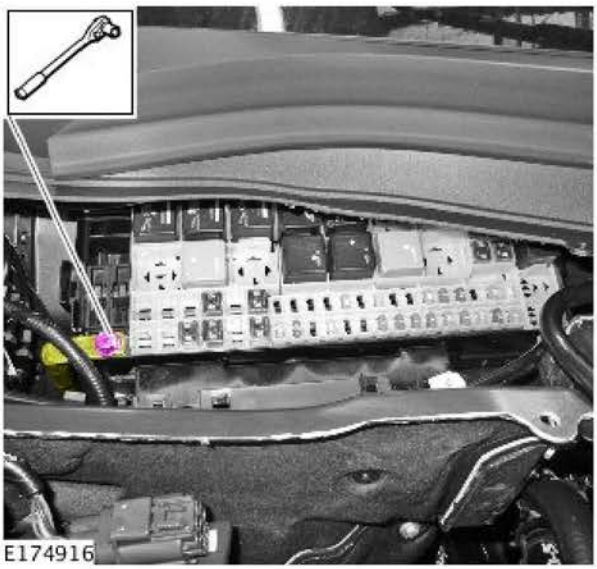
13. Install the Battery Junction Box (BJB).



E174973

14. Install the Battery Junction Box (BJB) power supply.

- Torque: 12Nm


E174916

15. Install the 30 amp fuse into location FL9 of the Battery Junction Box (BJB).

E174923

16. Install the relay (R14) to the Battery Junction Box (BJB).

17. Install the Battery Junction Box (BJB) cover.

18. Install the cowl vent trim access panel.

19. Using approved equipment, clear all Diagnostic Trouble Codes (DTC).