

TECHNICAL BULLETIN
LTB00754NAS1
08 APR 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: 303-00

Engine MIL Illuminated With DTC P007B-00 Stored

AFFECTED VEHICLE RANGE:

Range Rover Sport (LW)

Model Year: 2014

VIN: EA392493-EA504510

Range Rover Sport (LW)

Model Year: 2014

VIN: EA600036-EA601762

Range Rover (LG)

Model Year: 2014

VIN: EA186923-EA197041

MARKETS:

NAS

CONDITION SUMMARY:

Situation: The engine Malfunction Indicator Lamp (MIL) may be illuminated and Diagnostic Trouble Code (DTC) P007B-00 stored in the Engine Control Module (ECM) with no other vehicle symptoms present.

Cause: This may be caused by a charge air coolant pump compatibility issue.

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

PARTS:

LR073619

Link Harness Kit

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
Install charge air coolant pump link harness	86.71.89.56	0.6	42	PEB500010

 **NOTE:** Normal Warranty procedures apply.

SERVICE INSTRUCTION:

1. Raise the vehicle (see TOPIx Workshop Manual, section 100-02).
2. Remove the engine undershield (see TOPIx Workshop Manual, section 501-02).
3. Locate the charge air coolant pump (see TOPIx Workshop Manual, section 303-03) and release the electrical connector **C1E318** from the coolant pump.

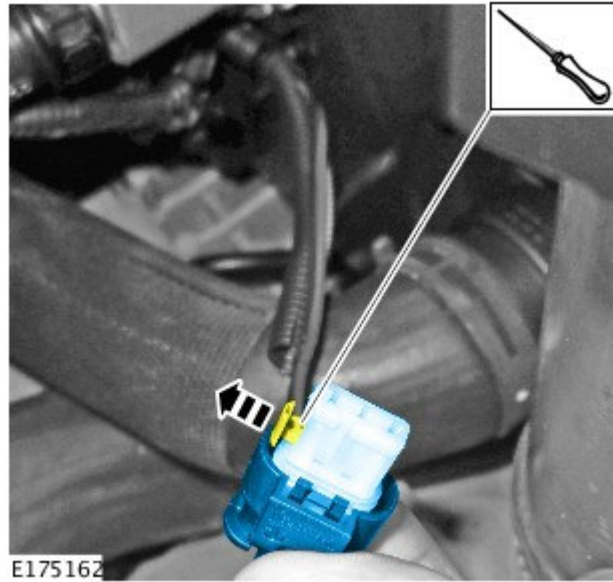


4.  **NOTE: refer to TOPIx Workshop Manual, section 418-02: Wiring Harness, for guidance when carrying out harness repairs.**

Remove the electrical tape as illustrated from the end of the outer harness and remove the inner electrical wiring harness.

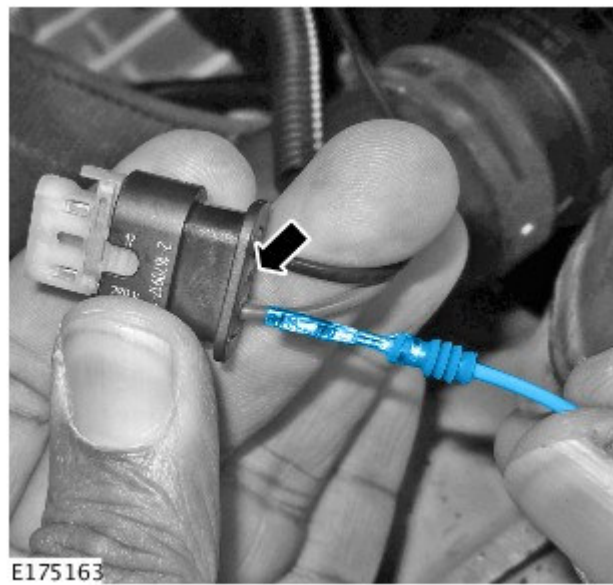


5. Release the anti-backout bar from the electrical connector C1E318.

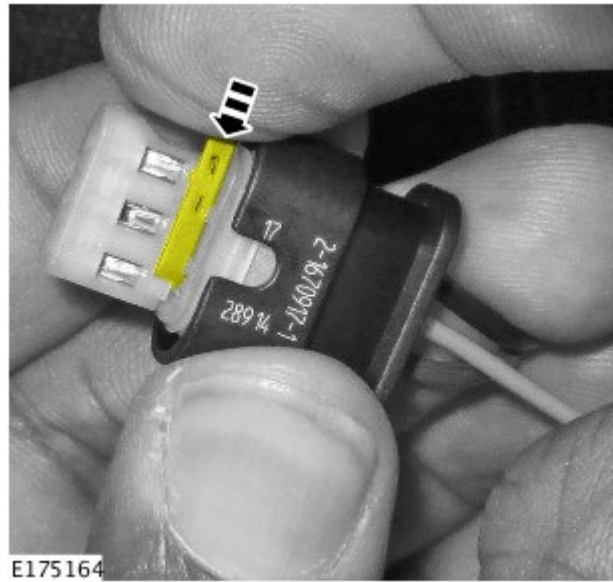


6. Remove the blanking plug in cavity 2 and install the new link lead (LR073619) into cavity 2 of the electrical connector C1E318.

- Make sure the waterproof seal is fully installed.



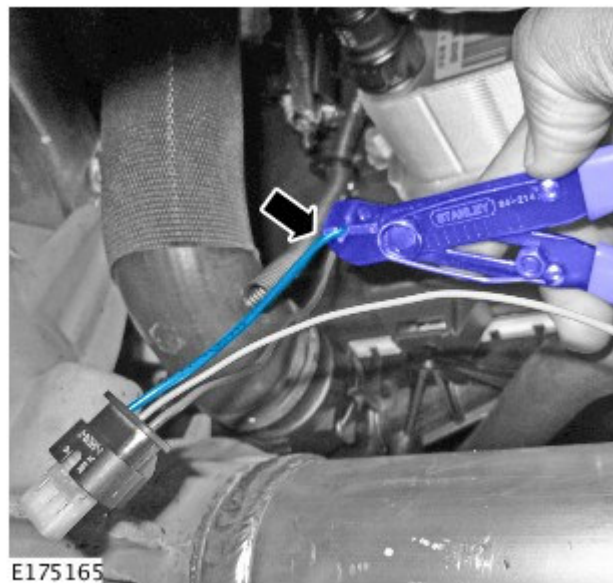
7. Install the anti-back out bar to the electrical connector C1E318.



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8. Using a suitable wire cutter, cut the black wire (located in cavity 1) at 90mm from connector C1EW318.

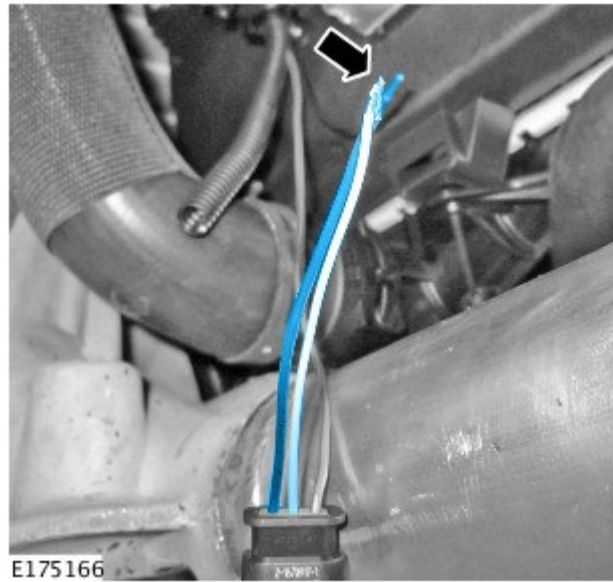
- Position the new link lead alongside the black wire in cavity 1 and cut to the same length as the black wire.



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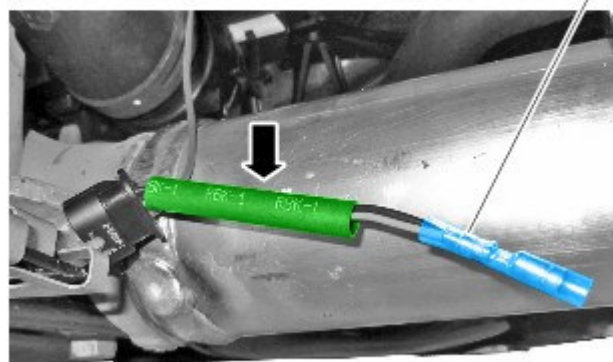
9. Use the wire sheath removal tool 418-117A to remove 10 mm of insulation from the end of the black wire and the new link lead going to connector C1EW318.

- Rotate the exposed inner wires of the two cables together.

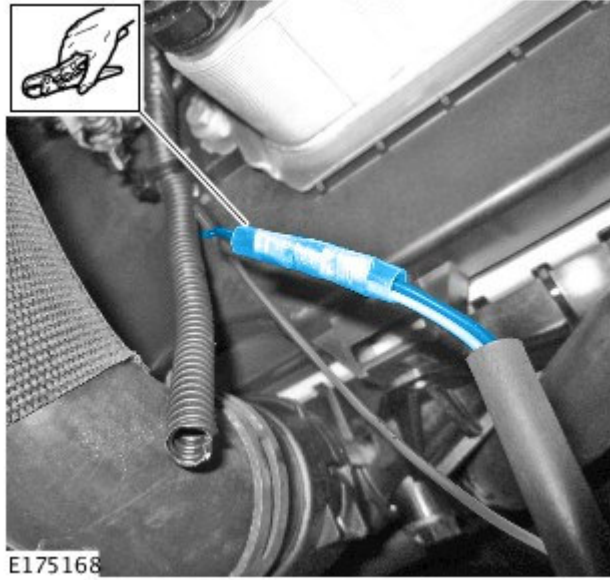


10. Use the supplied butt connector and the crimping tool 418-116A, join the two wires in a crimp joint.

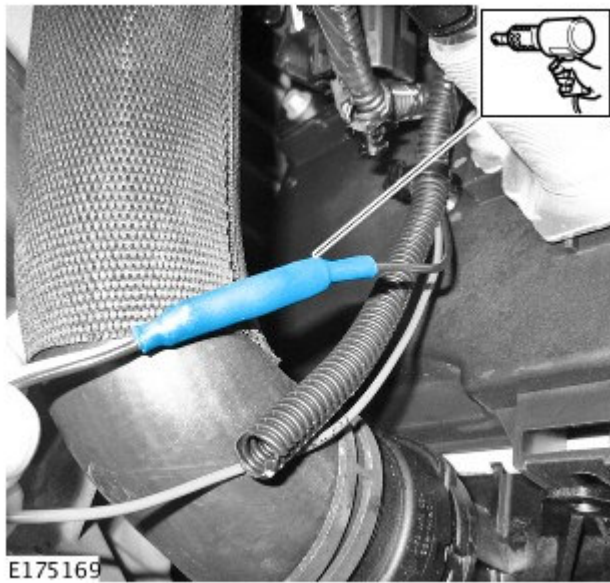
- Position the glue-lined heat shrink over the black wire 40mm from the end; do not apply heat source at this point.



11. Use the crimp tool 418-116A to crimp the black wire in the butt connector.



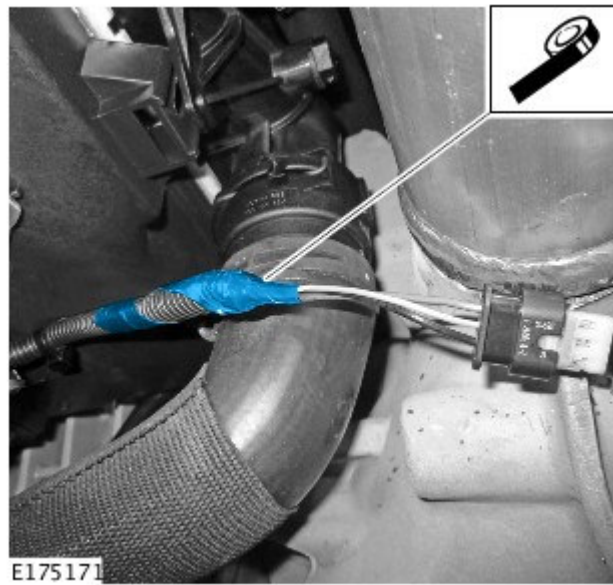
- 12.** Install the glue-lined heat shrink into position to cover the crimp. Use a heat source to make sure the heat shrink is correctly bonded to the butt connector to form a water tight seal.



- 13.** Install the outer harness protector to fully cover the crimped joint.



- 14. Install suitable electrical tape to secure the harness protector.



- 15. Install the electrical connector C1E318 to the charge air coolant pump.



16. Install the engine undershield (see TOPIx Workshop Manual, section 501-02).

17. Using Symptom Driven Diagnostics (SDD), clear any Diagnostic Trouble Codes (DTCs) stored in the Engine Control Module (ECM).