

TECHNICAL BULLETIN  
Q466NAS1  
22 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**

Service Action: Engine MIL Illuminated With DTC P007B-00 Stored

**AFFECTED VEHICLE RANGE:**

**Range Rover Sport (LW)**

**Model Year:** 2014

**VIN:** LW392493-LW504510

**Range Rover Sport (LW)**

**Model Year:** 2014

**VIN:** LW600036-LW601762

**Range Rover (LG)**

**Model Year:** 2014

**VIN:** LG186923-LG197041

**MARKETS:**

NAS

**CONDITION SUMMARY:**

**Situation:** An issue has been identified on a limited number of 2014 model year Range Rover Sport (L494) and Range Rover (L405) vehicles where the charge air coolant pump may not be the correct specification. In this condition, the engine Malfunction Indicator Lamp (MIL) may be illuminated with Diagnostic Trouble Code (DTC) P007B-00 stored in the Engine Control Module (ECM) and no other vehicle symptoms present.

**Action:** Retailers are required to **HOLD** only affected new vehicles that are within your control and refrain from releasing the vehicles for **new vehicle sale** pending completion of the Service Instruction 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: \* when ordering parts, order only the expected percentage demand of parts identified**

| DESCRIPTION      | PART No./SUNDRY CODE | QTY./VALUE | EXPECTED % of VEHICLES REQUIRING PARTS* |
|------------------|----------------------|------------|---|
| Link harness kit | LR073619             | 1          | 100                                     |

**SPECIAL TOOLS:**

Refer to Workshop Manual/Service Instruction for any required tools

**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.

This program is valid for a limited time only. Warranty claims with a repair date prior to the **30 April 2017** closure date must be submitted quoting Program Code '**Q466**' 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.

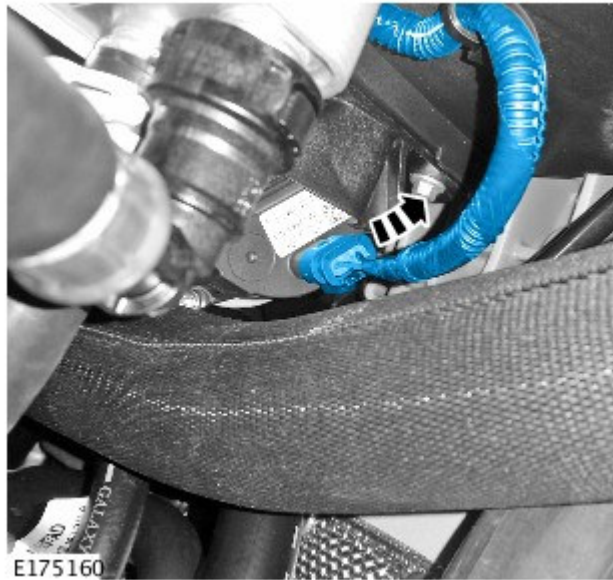
Repair procedures are under constant review, and therefore times/prices are subject to change; those quoted here must be taken as guidance only. Refer to TOPIx to obtain the latest repair time.


| PROGRAM CODE | OPTION CODE | DESCRIPTION   | SRO                  | TIME (HOURS) | PARTS/SUNDRY CODE | QTY./VALUE |
|--------------|-------------|---|----------------------|--------------|-------------------|------------|
| Q466         | B           | Add new ground wire to existing harness                       | 05.10.60             | 0.60         | LR073619          | 1          |
| Q466         | C           | Add new ground wire to existing harness<br>Drive in/drive out | 05.10.60<br>02.02.02 | 0.60<br>0.20 | LR073619<br>-     | 1<br>-     |

Normal Warranty policies and 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.

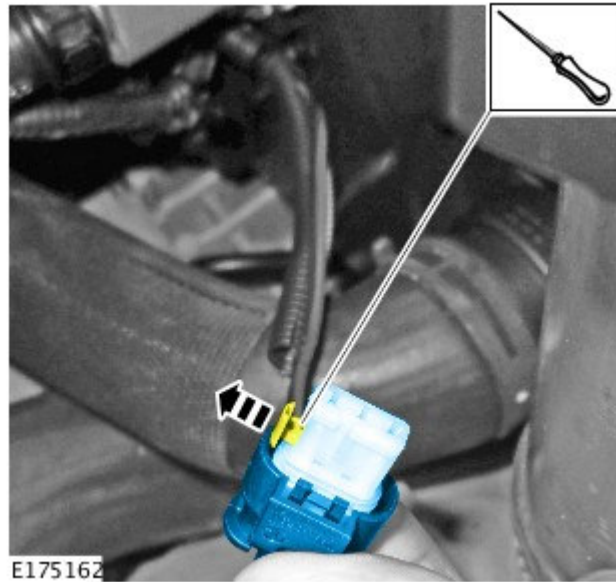


4.  **NOTE: refer to TOPIX Workshop Manual, section 418-02: Wiring Harness, for guidance when carrying out harness repairs.**

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

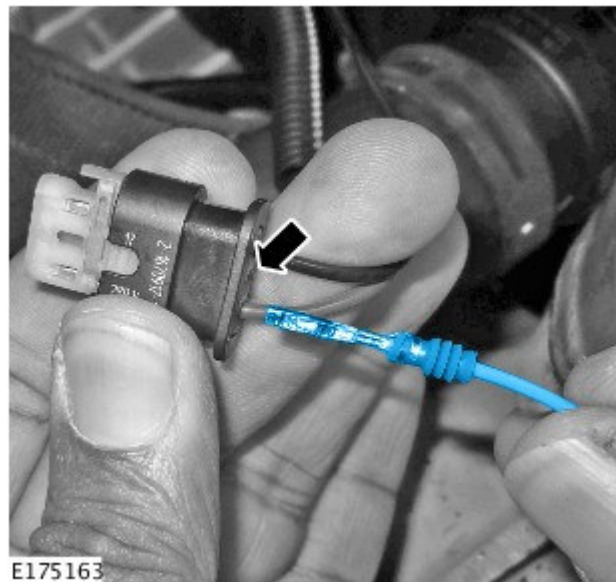


5. Release the anti-backout bar from the electrical connector C1E318.

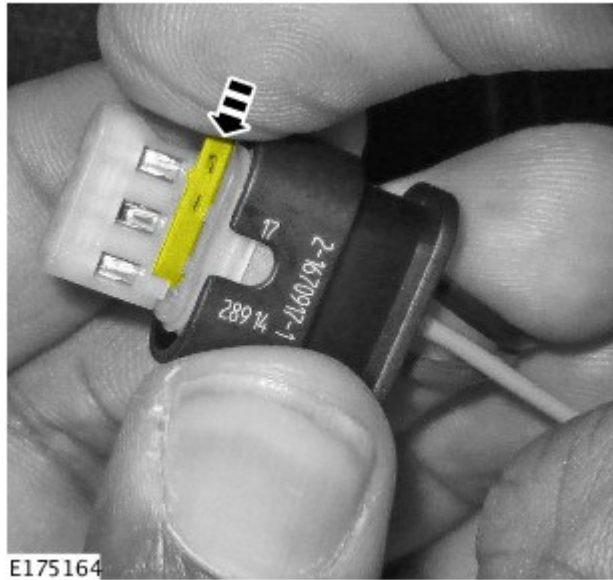


6. Remove the blanking plug in cavity 2 and install the new link lead (LR073619) into cavity 2 of the electrical connector C1E318.

- Make sure the waterproof seal is fully installed.

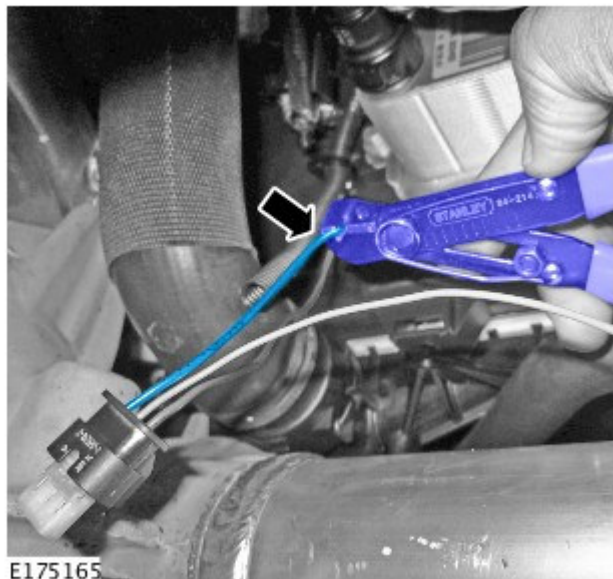


7. Install the anti-back out bar to the electrical connector C1E318.



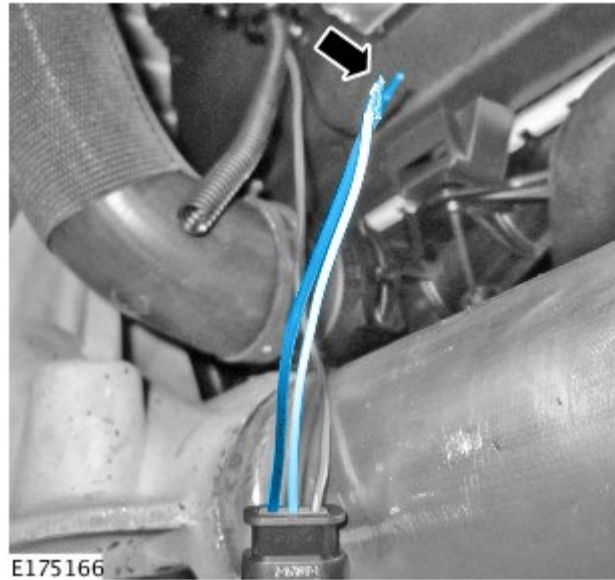
**8.** Using a suitable wire cutter, cut the black wire (located in cavity 1) at 90mm from connector C1EW318.

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



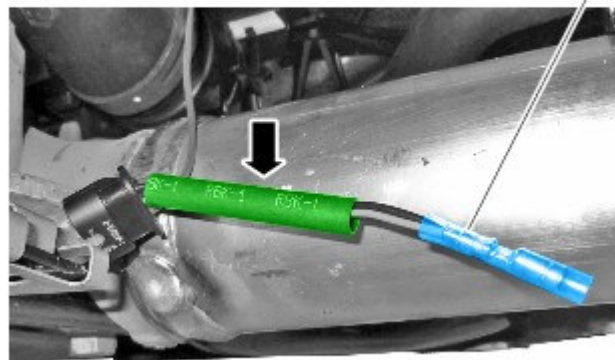
**9.** Use the wire sheath removal tool 418-117A to remove 10 mm of insulation from the end of the black wire and the new link lead going to connector C1EW318.

- 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.

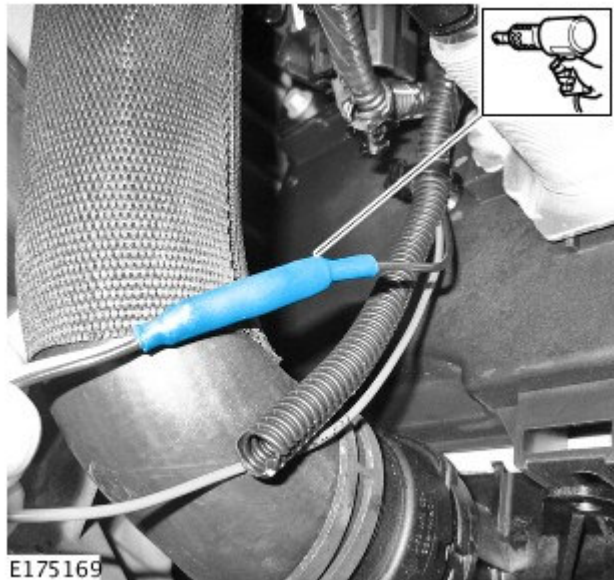


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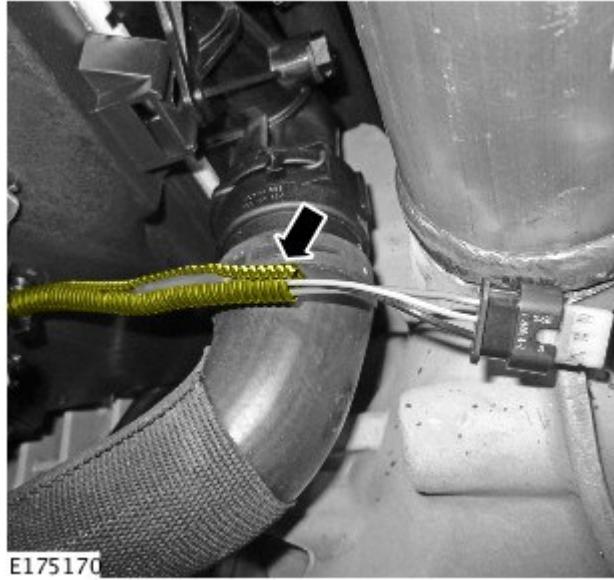
**11.** Use the crimp tool 418-116A to crimp the black wire in the butt connector.



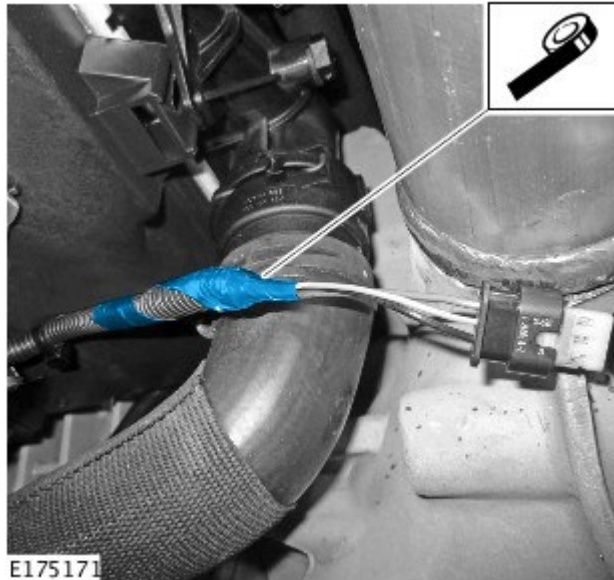
- 12.** Install the glue-lined heat shrink into position to cover the crimp. Use a heat source to make sure the heat shrink is correctly bonded to the butt connector to form a water tight seal.



- 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).