

TECHNICAL BULLETIN  
JTBO0436NAS1  
07 AUG 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 Jaguar service facility to determine whether this bulletin applies to a specific vehicle.

**SECTION: 310-00**

**DMTL Pump Water/Ice Ingress**

**AFFECTED VEHICLE RANGE:**

**XJ Range (X351)**

**Model Year:** 2010 Onwards  
**VIN:** V00001 Onwards  
**Manufacturing Plant:** Castle Bromwich

**Engine:** V6 S/C 3.0L Petrol  
V8 5.0L Petrol  
V8 S/C 5.0L Petrol

**MARKETS:**

USA

**CONDITION SUMMARY:**

**Situation:** The engine Malfunction Indicator Lamp (MIL) may be illuminated. Upon diagnosis, the technician may find one or more of the following Diagnostic Trouble Codes (DTC) stored in the Engine Control Module (ECM): P043E-00, P0442-00, P0447-00, P0496-00, P2401-00, P2402-00, P2403-00, P2404-00, P2406-00, P2407-00, P240A-00, P240C-00, and/or P240C-85.

**Cause:** This may be caused by water/ice, caused by spray from the road tires, becoming trapped within the Diagnostic Module Tank Leakage (DMTL) pump filter.

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

**PARTS:**

|          |                               |             |
|----------|-------------------------------|-------------|
| C2D40532 | Evaporative emission canister | Quantity: 1 |
| C2D30506 | Fuel tank filler pipe         | Quantity: 1 |
| C2D49253 | Protective Foam               | 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 |
|--|----------|--------------|----------------|-------------|
| Fuel tank filler pipe - Renew - 3.0L SC V6 | 19.55.33 | 1.5          | 42             | C2C39518    |

|   |                 |     |    |          |
|---|-----------------|-----|----|----------|
| Evaporative emission canister - Renew - 3.0L SC V6    | <b>17.15.13</b> | 2.6 | 42 | C2C39518 |
| Evaporative emission canister - Renew - 5.0L NA/SC V8 | <b>17.15.13</b> | 1.9 | 42 | C2C39518 |
| Fuel tank filler pipe - Renew - 5.0L NA/SC V8         | <b>19.55.33</b> | 1.3 | 42 | C2C39518 |
| Install the protective foam                           | <b>05.10.10</b> | 0.1 | 42 | C2C39518 |



**NOTE: Normal Warranty procedures apply.**

### **SERVICE INSTRUCTION:**



**1. NOTE: one or both of the following must be verified.**

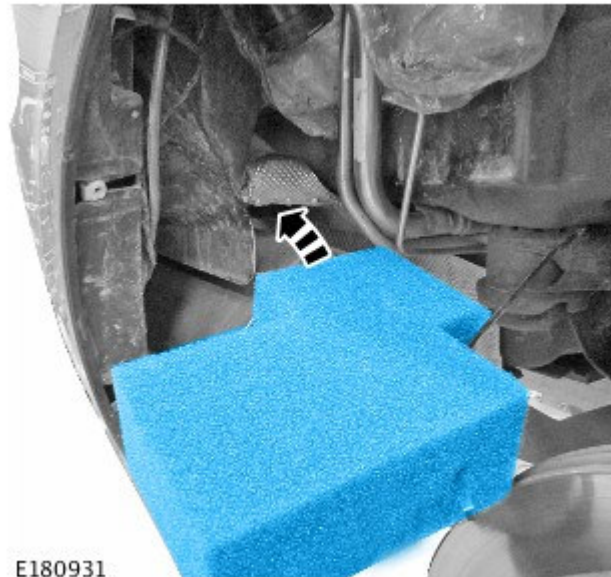
Prior to replacing any components, verify one or both of the following:

- Diagnostic Module Tank Leakage (DMTL) pump failure
- Blocked 'Atmospheric vent pipe - DMTL pump to filter' due to debris breaching the 'DMTL (diagnostic module - tank leakage) filter'

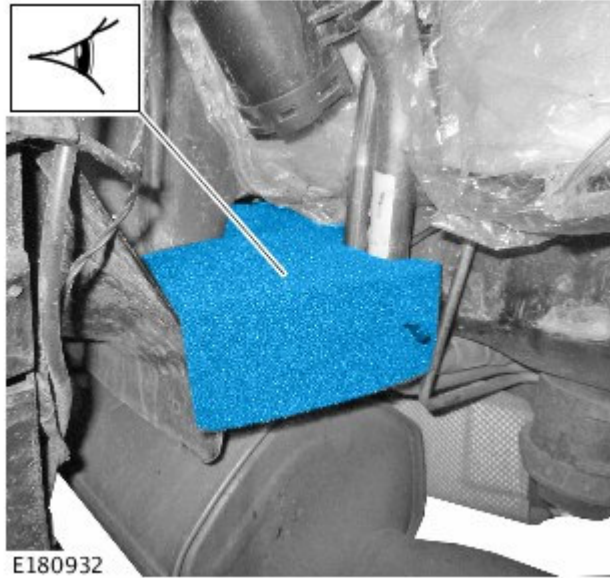
**2.** Install a new fuel tank filler pipe, (see TOPIx Workshop Manual section 310-01) follow Steps 1-11.

**3.** Install a new evaporative emission canister, (see TOPIx Workshop Manual section 303-13).

**4.** Install the protective foam in the area shown.

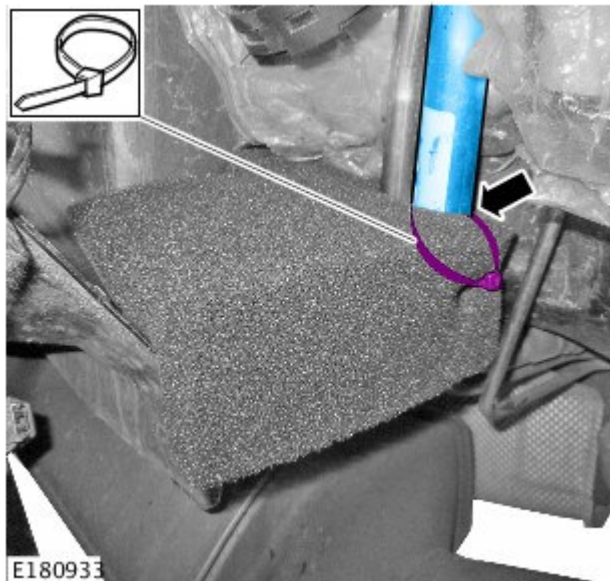


**5.** Make sure the protective foam is installed in the correct area.



6.  **NOTE: the cable tie is supplied installed through the protective foam.**

Secure the protective foam to the metal pipe with the supplied cable tie.

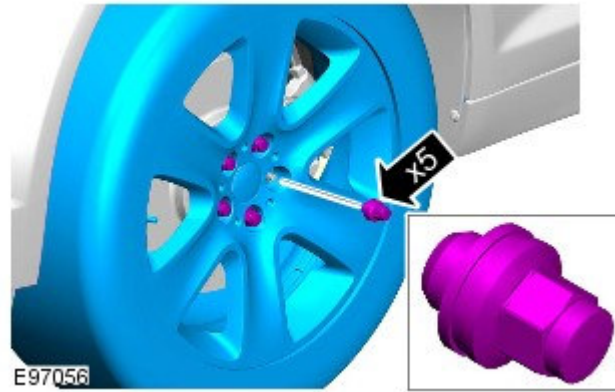


7. Install the rear wheel arch liner.

- Torque: 3Nm

8. Install the rear wheel.

- Torque: 128Nm



**⚠ 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.**

9. Connect the Jaguar Land Rover-approved Midtronics battery power supply to the vehicle battery.
10. Turn ignition 'ON' (engine not running).
11. Connect the Symptom Driven Diagnostics (SDD) system to the vehicle and begin a new session.
12. Follow the on-screen prompts, allowing SDD to read the VIN and identify the vehicle and initiating the data collect sequence.
13. Read and clear the DTCs.
14. Follow all on-screen instructions to complete this task, ensuring all DTCs are cleared.
15. Exit the current session.
16. Disconnect the SDD and the battery power supply from the vehicle.