# TECHNICAL BULLETIN
P039NAS1
25 JUL 2014

## SECTION: 303-14B/-14C/-14D

Emissions Recall: Engine Malfunction Indicator Lamp Illuminated

### AFFECTED VEHICLE RANGE:

**LR4 (LA)**
| | |
|---|---|
| **Model Year:** | 2010-2013 |
| **VIN:** | AA510178-DA699999 |

**Range Rover Sport (LS)**
| | |
|---|---|
| **Model Year:** | 2010-2013 |
| **VIN:** | AA215623-DA814822 |

**Range Rover (LM)**
| | |
|---|---|
| **Model Year:** | 2010-2012 |
| **VIN:** | AA306630-CA393639 |

### MARKETS:

NAS

### CONDITION SUMMARY:

**Situation:** An issue has been identified on a number of 2010-2013 model year LR4 (L319) and Range Rover Sport (L320) and 2010-2012 model year Range Rover (L322) vehicles fitted with the 5.0L V8 engine (naturally aspirated and supercharged) within the listed VIN ranges. The condition may cause the engine Malfunction Indicator Lamp (MIL) to illuminate with Diagnostic Trouble Code (DTC) P0316 in addition to one or more of the P0301-P0308 codes stored in the Engine Control Module (ECM). This condition will have no effect on the vehicle's performance, but may reduce the vehicle's ability to control tailpipe emissions.

**Action:** Retailers are required to **HOLD** all 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: an allowance of $0.50 (US) for the Authorized Modification Label has been provided.**

⚠ **NOTE: * when ordering parts, order only the expected percentage demand of parts identified**

⚠ **NOTE: ** order quantity of '1' (one) includes a pack of 100 labels**

⚠ **NOTE: *** order quantity of '1' (one) is a pack of 25 certificates**

| DESCRIPTION | PART No. / SUNDRY CODE | QTY. / VALUE | EXPECTED % of VEHICLES REQUIRING PARTS* |
|---|---|---|---|
| Authorized Modification Label | LRN0002LABEL | 1** | 100 |
| CA Vehicle Emission Recall - Proof of Correction Certificate (California-registered vehicles only) | JLM21849 | 1*** | 100 (California-registered vehicles only) |

## SPECIAL TOOLS:

⚠ **NOTE: This document is an 'Active Bulletin' that will display a functional programming shortcut if accessed within a diagnostic session using SDD.**

SDD with latest SDD-DVD and Calibration File; first available on DVD137.04 v.167

Jaguar Land Rover-approved Midtronics Battery Power Supply

## WARRANTY:

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

Warranty claims must be submitted quoting Program Code '**P039**' 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.

Warranty claims must be submitted for payment within 30 calendar days of completion of the repair.

| PROGRAM CODE | OPTION CODE | DESCRIPTION | SRO | TIME (HOURS) | PARTS / SUNDRY CODE | QTY. / VALUE* |
|---|---|---|---|---|---|---|
| P039 | B | Update Engine Control Module software | 12.90.13 | 0.20 | ZZZ001 | $0.50 |
| P039 | C | Update Engine Control Module software Drive in/drive out | 12.90.13 02.02.02 | 0.20 0.20 | ZZZ001 - | $0.50 - |

* An allowance of $0.50 (US) for the Authorized Modification Label has been provided.

Normal Warranty policies and procedures apply

## SERVICE INSTRUCTION:

⚠ **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.**

⚠**NOTE: SDD must be loaded with DVD137.04 v.167 or later.**

**1.** Connect the Jaguar Land Rover-approved Midtronics battery power supply to the vehicle battery.

⚠**NOTE: The Engine Control Module (ECM) may also be referred to as Powertrain Control Module (PCM).**

**2.** Turn ignition 'ON' (engine not running).

**3.** Connect the Symptom Driven Diagnostics (SDD) system to the vehicle and begin a new session.

**4.** Follow the on-screen prompts, allowing SDD to read the VIN and identify the vehicle and initiating the data collect sequence.

**5.** Select 'Diagnosis' from the Session Type screen.

**6.** Select the 'Selected Symptoms' tab, and then select the following:

- Powertrain - Engine system - Engine performance

**7.** Select the 'Extras' tab.

**8.** From the Recommendations tab, select **Run** to perform the 'Configure existing module – Powertrain control module' option.

**9.** Follow all on-screen instructions to complete this task.

**10.** Exit the current session.

**11.** Disconnect the SDD and the battery power supply from the vehicle.

**12.** Install a completed 'Authorized Modification Label' to the radiator support panel.

**13. California-registered vehicles only:** hand customer completed 'CA Vehicle Emission Recall - Proof of Correction Certificate' at vehicle handover.