

TECHNICAL BULLETIN

LTB00671NAS1

08 JUL 2014



© Jaguar Land Rover North America, LLC

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

AFFECTED VEHICLE RANGE:

Range Rover Sport (LW)

Model Year: 2014

VIN: EA000002-EA377985

Engine: V6 S/C 3.0L Petrol

Range Rover (LG)

Model Year: 2014

VIN: EA110440-EA176600

Engine: V6 S/C 3.0L Petrol

MARKETS:

NAS

CONDITION SUMMARY:

Situation: The engine Malfunction Indicator Lamp (MIL) may be illuminated and Diagnostic Trouble Code (DTC [(P0042, P0043, P0044, P0055, P0061, P0062, P0063, P0142, P0143, P0144, P0147, P0162, P0163, P0164, and/or P0167)]) relevant to the post-catalyst heated oxygen sensors may be stored in the Engine Control Module (ECM).

Cause: This may be caused by a post-catalyst heated oxygen sensor software error.

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

PARTS:

LR035748	Heated oxygen sensor - post-catalyst	Quantity: 1 or 2 (as required)
----------	--------------------------------------	--------------------------------

TOOLS:

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

SDD with latest DVD and Calibration File; first available on DVD138.04 v.176
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	CONDITION	CAUSAL
-------------	-----	------	-----------	--------

		(HOURS)	CODE	PART
Read & Clear Diagnostic Trouble Codes	12.90.16	0.2	04	LR038618
Sensor - Heated oxygen - Post-catalyst - Left - Renew	17.50.41	0.1	04	LR038618
Sensor - Heated oxygen - Post-catalyst - Right - Renew	17.50.44	0.1	04	LR038618
Update Engine Control Module (ECM) software	12.90.13	0.2	04	LR038618



NOTE: 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 DVD138.04 v.176 or later.



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

-  **NOTE: Only the affected post-catalyst heated oxygen sensor(s) should be replaced as per the Diagnostic Trouble Code (DTC) stored in the Engine Control Module (ECM). It is very unlikely for both sensors to fail simultaneously. The new software will prevent any further concerns.**

Replace the affected post-catalyst heated oxygen sensor(s) (see TOPIx Workshop Manual, section 303-14B).

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



NOTE: One or more of the following Diagnostic Trouble Codes (DTC) must be set in the Engine Control Module (ECM): P0042, P0043, P0044, P0055, P0061, P0062, P0063, P0142, P0143, P0144, P0147, P0162, P0163, P0164, and/or P0167.

- Turn ignition 'ON' (engine not running).
- Connect the Symptom Driven Diagnostics (SDD) system to the vehicle and begin a new session.
- Follow the on-screen prompts, allowing SDD to read the VIN and identify the vehicle and initiating the data collect sequence.
- Select 'Diagnosis' from the Session Type screen.
- Select the 'Selected Symptoms' tab, and then select:
 - Electrical > Instruments > Warning lamps > Engine malfunction lamp > Lamp illuminated
- Select 'continue'.
- Select the 'Recommendations' tab, and then select 'Run' to perform the 'Configure existing module - Powertrain control module' option.
- Follow all on-screen instructions to complete this task.

- 11.** Exit the current session.
- 12.** Disconnect the SDD and the battery power supply from the vehicle.