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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.

Changes are highlighted in gray

SECTION: 303-00

Service Action: Oxygen (O2) Sensors

AFFECTED VEHICLE RANGE:

Range Rover Sport (LW)

Model Year: 2014-2016
VIN: 001154-542163
Assembly Plant: Solihull

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

Range Rover Sport (LW)

Model Year: 2014-2016
VIN: 600009-630153
Assembly Plant: Solihull

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

Range Rover (LG)

Model Year: 2013-2016
VIN: 001204-243370
Assembly Plant: Solihull

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

LR4 (LA)

Model Year: 2014-2016
VIN: 679426-784564
Assembly Plant: Solihull

Engine: V6 S/C 3.0L Petrol

MARKETS:

NAS

CONDITION SUMMARY:

Situation: To address concerns with the correct operation of the Oxygen (O2) Sensors, updated Engine Control Module (ECM) software is required on the models, model years, engine variants, and Vehicle Identification Number (VIN) ranges as listed in the Affected Vehicle Range.



NOTE: this service instruction will not repair a pre-existing CEL or DTC. Those should be investigated and repaired under a separate warranty claim. In the event there is a DTC relating to oxygen sensor operation, it may be covered by LTB00671.

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:

No parts required.

SPECIAL TOOLS:



NOTE: this Active Bulletin will display a functional programming shortcut if accessed within a diagnostic session using SDD.

- SDD with latest SDD-DVD and Calibration File
- 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.

At the time of confirming a booking for vehicle repair, ensure that all outstanding Recalls and 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 **Q514** together with the relevant Option Code from the table. SRO and parts information is included for information only. The Option Code(s) that allows for the drive in / drive out allowance can only be claimed if the vehicle is brought back into the workshop for this action alone to be undertaken.

This program is valid for a limited time only. Warranty claims with a repair date prior to the **30 September 2017** closure date must be submitted or payment within 30 calendar days of completion of the repair.

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
Q514	B	Configure the PCM	12.90.13	0.20	-	-
Q514	C	Configure the PCM Drive in/drive out	12.90.13 02.02.02	0.20 0.20	- -	- -

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/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 DVD145.00 v.235 or later.

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

8. Read and close any publication from the list of recommended candidates to expose the Extras tab.

9. Select the **Extras** tab.

10. From the list of recommended candidates, select **Run** to perform the **Configure existing module - Powertrain control module** option.

11. Exit the current session.

12. Disconnect the SDD and the battery power supply from the vehicle.