

N049NAS1

TECHNICAL BULLETIN

06 MAY 2017



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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.

INFORMATION

SECTION:

303-14D: Electronic Engine Controls - V8 S/C 5.0L Petrol

SUBJECT/CONCERN:

Service Action: V8 5.0L S/C Petrol Misfire Diagnostic Trouble Code (DTC)
Incorrectly Mapped

AFFECTED VEHICLE RANGE:

MODEL:	MODEL YEAR:	VIN:	ASSEMBLY PLANT:	APPLICABILITY:
Range Rover Sport (LW)	2017	111165-137841	Solihull	V8 S/C 5.0L Petrol
Range Rover (LG)	2017	302562-333476	Solihull	V8 S/C 5.0L Petrol

MARKETS:

NORTH AMERICA

CONDITION SUMMARY:

SITUATION:

An issue has been identified on certain vehicles within the listed Affected Vehicle Range which may have been manufactured away from process and, in some cases, have incorrectly mapped Diagnostic Trouble Codes (DTC) applied to the V8 5.0L S/C Petrol engine variant. Investigations have identified that the V6 3.0L S/C Petrol engine DTC mapping was incorrectly applied to the V8 5.0L S/C Petrol engine variant, which has led to incorrect cylinder identification in a misfire condition. In these instances, the engine Malfunction Indicator Lamp (MIL) would operate as normal but it would be difficult to diagnose the cylinder that is misfiring as all the misfire DTCs are incorrect, except for cylinders 7 and 8 which are not affected.

ACTION:

Retailers are required to **HOLD** affected new vehicles that are within your control and refrain from releasing the vehicles for **new vehicle sale** pending completion of the Diagnostic Procedure 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:



E192494

Jaguar Land Rover-approved Midtronics Battery Power Supply



Jaguar Land Rover-approved diagnostic tool with latest PATHFINDER software

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 the Program Code together with the relevant Option Code. The 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.

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.

This program is valid for a limited time only. Warranty claims with a repair date prior to the **31 May 2019** closure date must be submitted or payment within 30 calendar days of completion of the repair.

PROGRAM CODE	OPTION CODE	DESCRIPTION	SRO	TIME (HOURS)	PARTS/SUNDRY CODE	QTY./VALUE
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N049	B	Powertrain Control Module (PCM) - Software Update	18.90.90	0.20	-	-
N049	C	Powertrain Control Module (PCM) - Software Update Drive in/drive out	18.90.90 02.02.02	0.20 0.20	- -	- -
N049	D	Powertrain Control Module (PCM) - Software Update Pathfinder - Transit Mode - Engage	18.90.90 88.90.60	0.20 0.10	- -	- -
N049	E	Powertrain Control Module (PCM) - Software Update Pathfinder - Transit Mode - Engage Drive in/drive out	18.90.90 88.90.60 02.02.02	0.20 0.10 0.20	- - -	- - -

Normal Warranty policies and procedures apply.

DIAGNOSTIC PROCEDURE:

CAUTIONS:

- A Jaguar Land Rover-approved Midtronics battery power supply must be connected to the vehicle battery during diagnosis / module programming.

- Make sure all ignition ON/OFF requests are carried out; failure to perform these steps may cause damage to control modules in the vehicle.

NOTE:

The Jaguar Land Rover-approved diagnostic tool must be loaded with **PATHFINDER version 81 (or later)**.

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

- 2 Connect the Jaguar Land Rover-approved diagnostic tool to the vehicle and begin a new session.

- 3 **NOTE:**

The Jaguar Land Rover-approved diagnostic tool will read the correct Vehicle Identification Number (VIN) for the current vehicle and automatically take the vehicle out of Transit mode if required.

Follow the on-screen prompts.

- 4 Select **ECU Diagnostics**.

- 5 Select **Powertrain Control Module**.

- 6 Select **Update ECU**.

- 7 Follow all on-screen instructions to complete this task.

1 If required, reset the vehicle to **Transit mode**.

- 8 When all tasks are complete, select the **Session** tab and then select the **Close Session** option.

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- Disconnect the diagnostic tool and battery power supply from the vehicle.