

TECHNICAL BULLETIN
LTB00409NAS3
21 AUG 2013



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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.

This reissue replaces all previous versions. Please destroy all previous versions. Only refer to the electronic version of this Technical Bulletin in TOPIx.

Changes are highlighted in gray

SECTION: 303-04

Engine Misfires / Engine MIL Illuminated

AFFECTED VEHICLE RANGE:

LR4 (LA)

Model Year: 2010-2013
VIN: AA510742 Onwards

Range Rover Sport (LS)

Model Year: 2010-2013
VIN: AA212147-DA818822

Range Rover (LG)

Model Year: 2013 Onwards
VIN: DA001204 Onwards

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

Range Rover (LM)

Model Year: 2010-2012
VIN: AA304426-CA393639

MARKETS:

NAS

CONDITION SUMMARY:

Situation:

The engine may exhibit a misfire, poor fuel economy, hard starting, and / or a rough idle condition. The engine Malfunction Indicator Lamp (MIL) may also be illuminated with misfire Diagnostic Trouble Codes (DTC) P0301 through P0308 and P0316, depending on the affected cylinder(s), stored in the Engine Control Module (ECM).

Cause: This may be caused by poor fuel quality or fuel contamination, leading to clogged fuel injectors and restricting the fuel injector flow rate.



NOTE: The Service Instruction may only be completed if no other causes for the misfire are identified after following SDD and TOPIx advice.



NOTE: No other Diagnostic Trouble Code(s) (DTC) must be present and P0316 must not be stored on its own. If the DTC(s) in step 1 are not present, investigate the cause as a separate claim and ignore steps 2-3.

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

PARTS:

LR037088

Fuel injectors

Quantity: 1 to 8

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
Right bank fuel injector/rail replacement - LR4	19.60.11	3.2	42	LR037088
Left bank fuel injector/rail replacement - LR4	19.60.09	2.9	42	LR037088
Both banks fuel injector/rail replacement - LR4	19.60.12	5.7	42	LR037088
Right bank fuel injector/rail replacement - Range Rover Sport N/A, SC	19.60.11	3.2	42	LR037088
Left bank fuel injector/rail replacement - Range Rover Sport N/A, SC	19.60.09	2.9	42	LR037088
Both banks fuel injector/rail replacement - Range Rover Sport SC	19.60.12	5.7	42	LR037088
Both banks fuel injector/rail replacement - Range Rover Sport N/A	19.60.12	5.6	42	LR037088
Right bank fuel injector/rail replacement - Range Rover (L405) SC	19.60.11	2.1	42	LR037088
Right bank fuel injector/rail replacement - Range Rover (L405) N/A	19.60.11	1.8	42	LR037088
Left bank fuel injector/rail replacement - Range Rover (L405) SC	19.60.09	1.4	42	LR037088
Left bank fuel injector/rail replacement - Range Rover (L405) N/A	19.60.09	1.0	42	LR037088
Both banks fuel injector/rail replacement - Range Rover (L405) SC	19.60.12	3.3	42	LR037088
Both banks fuel injector/rail replacement - Range Rover (L405) N/A	19.60.12	2.8	42	LR037088
Right bank fuel injector/rail replacement - Range Rover (L322) SC	19.60.11	2.1	42	LR037088
Right bank fuel injector/rail replacement - Range Rover (L322) N/A	19.60.11	1.7	42	LR037088
Left bank fuel injector/rail replacement - Range Rover (L322) SC	19.60.09	1.4	42	LR037088
Left bank fuel injector/rail replacement - Range Rover (L322) N/A	19.60.09	1.2	42	LR037088
Both banks fuel injector/rail replacement - Range Rover (L322) SC	19.60.12	3.2	42	LR037088
Both banks fuel injector/rail replacement - Range Rover (L322) N/A	19.60.12	2.7	42	LR037088



NOTE: Normal Warranty policies and procedures apply.

SERVICE INSTRUCTION:

1. Diagnostic Trouble Code (DTC) P0316 and one or more of the following DTCs must be stored: P0301, P0302, P0303, P0304, P0305, P0306, P0307, and/or P0308. No other DTCs must be present and P0316 must not be stored on its own.
 - If no other cause for engine misfire / stored DTCs is present, replace the fuel injectors as indicated by DTC P0301-P0308 (see TOPIx Workshop Manual section 303-04).
2. Clear the DTCs and run the engine until normal operating temperature has been achieved. Switch the ignition 'OFF' and leave engine off for at least six (6) hours.
3. From engine start up, monitor for misfire symptoms:
 - If misfire symptoms are not evident, return the vehicle to the customer.
 - If misfire symptoms are evident, further diagnosis is required to determine the cause. To be carried out as a separate claim.