

LTB01204NAS1

TECHNICAL BULLETIN

11 JUN 2018



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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:

303-04: Fuel Charging and Controls

SUBJECT/CONCERN:

Engine MIL Illuminated With DTC P0234-77 Stored

AFFECTED VEHICLE RANGE:

MODEL:	MODEL YEAR:	VIN:	ASSEMBLY PLANT:	APPLICABILITY:
Range Rover Sport (LW)	2016	519971-599874	Solihull	TDV6 3.0L Diesel
Range Rover Sport (LW)	2016-2018	617562-699492	Solihull	TDV6 3.0L Diesel
Range Rover Sport (LW)	2016-2018	100369-199996	Solihull	TDV6 3.0L Diesel

MODEL:	MODEL YEAR:	VIN:	ASSEMBLY PLANT:	APPLICABILITY:
Range Rover Sport (LW)	2018 Onwards	400291 Onwards	Solihull	TDV6 3.0L Diesel
Range Rover Sport (LW)	2018 Onwards	800063 Onwards	Solihull	TDV6 3.0L Diesel
Range Rover (LG)	2016-2018	216967-399999	Solihull	TDV6 3.0L Diesel
Range Rover (LG)	2018 Onwards	500017 Onwards	Solihull	TDV6 3.0L Diesel

MARKETS:

NORTH AMERICA

CONDITION SUMMARY:

SITUATION:

The engine Malfunction Indicator Lamp (MIL) may be illuminated on the Instrument Cluster with Diagnostic Trouble Code (DTC) P0234-77 stored in the Powertrain Control Module (PCM). DTCs P2463-00 and P246B-00 may also be stored.

CAUSE:

This may be caused by a component fault.

ACTION:

Should a customer express this concern, follow the Diagnostic Procedure and Workshop Procedure(s) below.

PARTS:

PART NUMBER	DESCRIPTION	QUANTITY
LR078546	Intake air shutoff throttle	1
LR063121	Inlet hose clamp	1

TOOLS:



E192496

Jaguar Land
Rover-approved
Midtronics battery
power supply



E179225

Jaguar Land
Rover-approved
diagnostic tool
with latest SDD
Software
Management Pack



E208514

Jaguar Land
Rover-approved
diagnostic tool
with latest
PATHFINDER
software



E184192

95-0106
High Pressure
Diagnostic Leak
Detector

WARRANTY:

△ NOTES:

- 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 JLR claims submission system to obtain the latest repair time.
- The JLR Claims Submission System 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
Leakage test using smoke test equipment	01.01.28	0.4	41	LR078546
Read and clear Diagnostic Trouble Codes (DTC's)	12.90.16	0.2	41	LR078546

DESCRIPTION	SRO	TIME (HOURS)	CONDITION CODE	CAUSAL PART
Intake air shutoff throttle - Renew	19.70.32	0.5	41	LR078546

NOTE:

Normal Warranty procedures apply.

DIAGNOSTIC PROCEDURE:

CAUTIONS:

- A Jaguar Land Rover-approved Midtronics battery power supply must be connected to the vehicle startup battery during diagnosis / module programming.
- All ignition ON/OFF requests must be carried out. Failure to perform these steps may cause damage to control modules in the vehicle.

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

NOTE:

The Jaguar Land Rover-approved diagnostic tool must be loaded with SDD153.04 Software Management Pack v296 (or later) OR PATHFINDER 164 (or later).

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

- 3 Follow all on-screen instructions, allowing the diagnostic tool to read the VIN, identify the vehicle, and initiating the data collect sequence.

- 4 Read the Diagnostic Trouble Codes (DTCs).

- If DTC P0234-77 is stored, go to Workshop Procedure 'A'.

- If DTC P0234-77 is not stored, do not continue with this Technical Bulletin.
- Perform diagnosis as per TOPIx Workshop Manual section 100-00: General Information - Description and Operation.

5 Exit the current session.

- 1 Select the **Session** tab.
- 2 Select the **Close Session** option.

WORKSHOP PROCEDURE 'A':

NOTE:

Diagnostic Trouble Code (DTC) P0234-77 can be attributed to a leak in the air intake system.

- 1 Complete a leakage test on the intake system using smoke test equipment (see TOPIx Workshop Manual section 303-00: Engine system general information - General procedures - Leakage test using smoke test equipment).
 - If a leak is not found, go to Service Instruction B.
 - If a leak is found, repair as required (see TOPIx Workshop Manual).
 - To be performed as a separate claim.
 - When the leak repair is complete, go to the next step.

2 NOTE:

The Jaguar Land Rover-approved diagnostic tool must be loaded with SDD153.04 Software Management Pack v296 (or later) OR PATHFINDER 164 (or later).

Begin a new session.

- 3 Follow all on-screen instructions, allowing the diagnostic tool to read the VIN, identify the vehicle, and initiating the data collect sequence.

4 Read and clear all Diagnostic Trouble Codes (DTCs).

5 Retest the vehicle.

6 After the retest, read the DTCs.

- If DTC P0234-77 is not stored, do not continue with this Technical Bulletin.
 - Go to the next step.
 - If DTC P0234-77 is stored, go to Service Instruction 'B'.
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7 Exit the current session.

1 Select the **Session** tab.

2 Select the **Close Session** option.

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

WORKSHOP PROCEDURE 'B':

1 Replace the intake air shutoff throttle (see TOPIx Workshop Manual section 303-04: Fuel Charging and Controls - Removal and Installation - Intake Air Shutoff Throttle).