



LTB01192NAS1

TECHNICAL BULLETIN

18 MAY 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:

303-14: Electronic Engine Controls

SUBJECT/CONCERN:

Engine MIL Illuminated With DTC P244A-95, P2453-28, and/or P2455-22 Stored

AFFECTED VEHICLE RANGE:

MODEL:	MODEL YEAR:	VIN:	ASSEMBLY PLANT:	APPLICABILITY:
Range Rover Sport (LW)	2016	519971-599999	Solihull	TDV6 3.0L Diesel - Gen 2
Range Rover Sport (LW)	2016	617562-666810	Solihull	TDV6 3.0L Diesel - Gen 2
Range Rover Sport (LW)	2016	100369-124015	Solihull	TDV6 3.0L Diesel - Gen 2

MODEL:	MODEL YEAR:	VIN:	ASSEMBLY PLANT:	APPLICABILITY:
Range Rover (LG)	2016	216967-320318	Solihull	TDV6 3.0L Diesel - Gen 2

MARKETS:

NORTH AMERICA

CONDITION SUMMARY:

SITUATION:

The engine Malfunction Indicator Lamp (MIL) may be illuminated with Diagnostic Trouble Code (DTC) P244A-95, P2453-28, P2455-22 stored in the Powertrain Control Module (PCM).

CAUSE:

This may be caused by a component fault.



ACTION:

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

PARTS:

PART NUMBER	DESCRIPTION	QUANTITY
LR069660	Diesel Particulate Filter (DPF) differential pressure sensor - Vehicles with single speed transfer case	1
LR069684	Diesel Particulate Filter (DPF) differential pressure sensor - Vehicles with twin speed transfer case	1

TOOLS:

 <p>E192494</p>	<p>Jaguar Land Rover-approved Midtronics battery power supply</p>	 <p>E179225</p>	<p>Jaguar Land Rover-approved diagnostic tool with latest SDD Software Management Pack</p>
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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
Diesel Particulate Filter (DPF) differential pressure sensor - Renew	17.50.23	0.4	42	LR069660/LR069684
Read and clear Diagnostic Trouble Codes (DTCs)	12.90.16	0.2	42	LR069660/LR069684

NOTE:

Normal Warranty procedures apply.

WORKSHOP PROCEDURE:

- Inspect the Diesel Particulate Filter (DPF) differential pressure sensor wiring for a short/open circuit condition (see TOPIx Electrical Information section Electrical Wiring Diagrams 303-14:

Electronic Engine Controls).

- If a short/open circuit condition is found, repair before continuing with this Technical Bulletin (see TOPIx Workshop Manual section 418-02: Electrical Distribution - Wiring Harness - General Procedures - Wiring Harness Repair).
 - Once the repair is completed, go to Diagnostic Procedure 'A' below.
- If a short/open circuit condition is not found, go to Step 2.

2 Replace the DPF differential pressure sensor (see TOPIx Workshop Manual section 303-14: Electronic Engine Controls).

1 Once the repair is completed, go to Diagnostic Procedure 'B' below.

DIAGNOSTIC PROCEDURE 'A':

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.

2  **NOTE:**

The Jaguar Land Rover-approved diagnostic tool must be loaded with SDD153.02 Software Management Pack v294 (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 and clear all Diagnostic Trouble Codes (DTC).

1 Follow all on-screen instructions until the application completes successfully.

2 When all tasks are complete, go to the next Step.

5 Switch the ignition 'ON' and then 'OFF' 3 times.

6 Read all DTCs.

- If DTCs P244A-95, P2453-28, and P2455-22 are not stored, go to Step 7.
 - If DTCs P244A-95, P2453-28, and P2455-22 are stored:
 - Replace the Exhaust Gas Temperature Sensor (see TOPIx Workshop Manual section 303-14: Electronic Engine Controls).
 - Replace the Diesel Particulate Filter differential pressure sensor (see TOPIx Workshop Manual section 303-14: Electronic Engine Controls).
 - Once the repair is completed, go to Step 4 of Diagnostic Procedure 'B' below.
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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.

1 When all tasks are complete, release the vehicle. No further action required.

DIAGNOSTIC PROCEDURE 'B':

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.

2  **NOTE:**

The Jaguar Land Rover-approved diagnostic tool must be loaded with SDD153.02 Software Management Pack v294 (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 If the hyperlink is not available:

- 1 Select **Service Functions** from the Session Type screen.
- 2 Select **Run** to perform the '**Powertrain set-up - Diesel particulate filter differential pressure sensor replacement**' option.

5 Follow all on-screen instructions until the application completes successfully.

- 1 When prompted, select the **Clear DTCs** option following completion of the software download.
- 2 When all tasks are complete, go to the next Step.

6 Exit the current session.

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

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