

Reference	SSM73239
Models	LR4 / L319 Range Rover / L405 Range Rover Sport / L320 Range Rover Sport / L494
Title	Engine Oil Level Sensor Concerns V6/V8 Diesel DTC P250A
Category	Engine
Last modified	24-Feb-2017 00:00:00
Symptom	Oil System Concerns

Content

Issue:

1) Customer may complain of being unable to check the oil level via the Instrument Cluster (IC) or that an oil level monitoring fault is displayed. The engine oil level sensor is being replaced and when returned and tested shows no fault. DTCs relevant to the engine oil level sensor (P250A-37 and/or P250A-38) / engine oil temperature sensor circuit (P195-00) maybe stored in the PCM.

2) Engine oil leaking externally from the oil pan via the O-ring for the oil level sensor external connector.

NOTE – the concern detailed in this SSM affects 3.0 Diesel and 4.4 Diesel vehicles.

Cause:

Oil level sensor wiring (internal to the oil pan) is not secure/detached and/or oil internal to the oil pan is getting into the oil level sensor connection and travelling internally along the oil level sensor wiring, which is why it can be seen at the external connector on the side of the oil pan.

Action:

1) Fit revised fly lead and retaining plate internal to the oil pan to prevent the connector becoming disconnected, this will require oil pan removal (refer to TOPIx section 303: Engine – Oil Pan) . The three bolts holding the oil level sensor in place inside the oil pan will need to be removed, the new retaining plate can then be fitted over the existing oil level sensor and the three bolts refitted and torqued to 10Nm as detailed in TOPIx section 303 Electronic Engine Controls – Oil Level Sensor.

2) If issue is only oil leaking externally from the oil pan via oil level sensor connector O-ring then fit the revised double 'O' ring.

Parts Information

Fly Lead 3.0 V6 Diesel - LR086424

Fly Lead 4.4 V8 Diesel - LR088999

Retaining Plate (V6 and V8 Diesel) - LR086422

O-ring - (V6 and V8 Diesel) - LR096214

Affected Vehicle Vin Ranges 3.0 V6 Diesel

000012 – 316516 – LG Range Rover

000001 – 001229 – LW Range Rover Sport

100003 – 118930 – LW Range Rover Sport

300000 – 399998 – LW Range Rover Sport

500000 – 599999 – LW Range Rover Sport

600000 – 665739 – LW Range Rover Sport

209306 – 814822 – LS Range Rover Sport

508020 – 847568 – LA Discovery/LR4

Affected Vehicle Vin Ranges 4.4 V8 Diesel

000011 onwards – LG Range Rover

000001 onwards – LW Range Rover Sport

Technicians - Please rate this SSM and provide comments so that future communications can be improved.

1 = Poor – Basic information provided – The SSM does not help me resolve the customer concern.

3 = Average – Adequate information provided – The SSM partially helps me resolve the customer concern.

5 = Excellent – All required information provided to resolve the customer concern.