

Reference	SSM73239
Models	LR3 / 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	26-Jun-2017 00:00:00
Symptom	Oil System Concerns
Attachments	Retainer Plate LR086422.pdf (Retainer Plate LR086422.pdf)

Content **Issue:**
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 (P0195-00) maybe stored in the Powertrain Control Module (PCM).

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.

Action:
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 (LR086422) can then be fitted over the existing oil level sensor and the three bolts refitted and torqued to 10Nm (refer to attached file for further details).

Parts Information
Fly Lead 3.0 V6 Diesel - LR086424
Fly Lead 4.4 V8 Diesel - LR088999
Retaining Plate (V6 and V8 Diesel) - LR086422

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 - 346859 – LG Range Rover
100028 - 148383 – LW Range Rover Sport
308831 – 399981 - LW Range Rover Sport
500044 – 599991 - LW Range Rover Sport

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

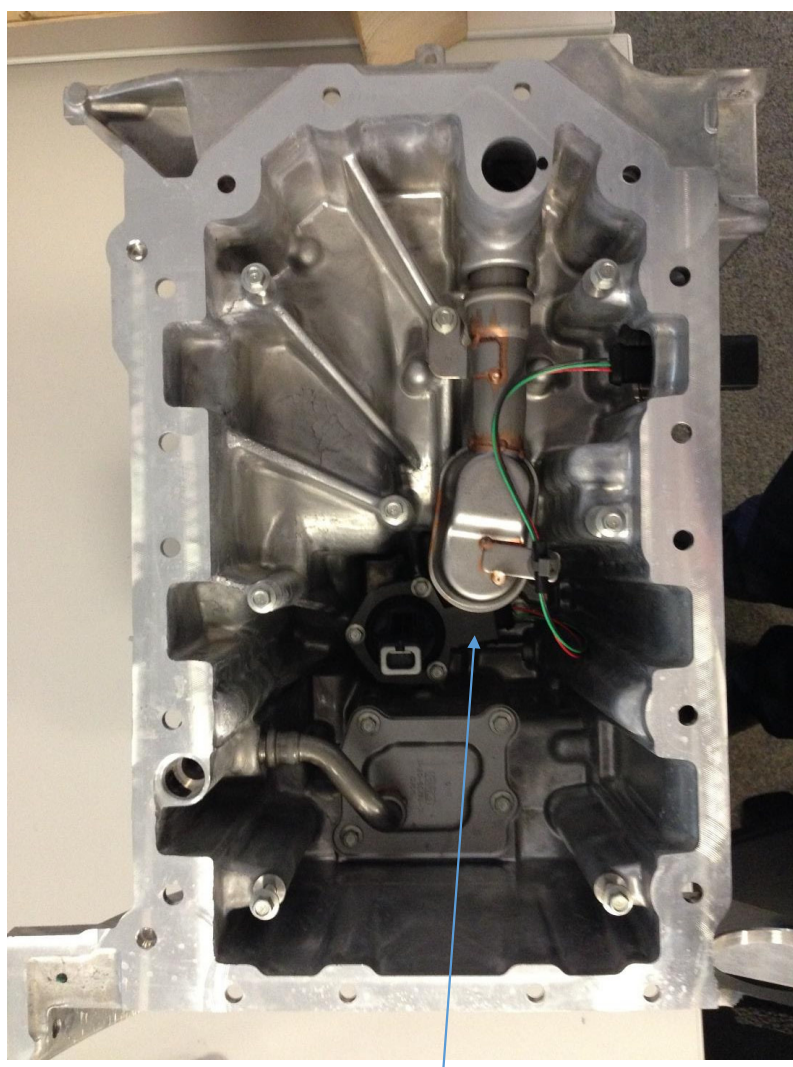
1 = Poor – Basic information provided – The SSM does not help me resolve the customer concern.

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.

Pictures of retainer plate

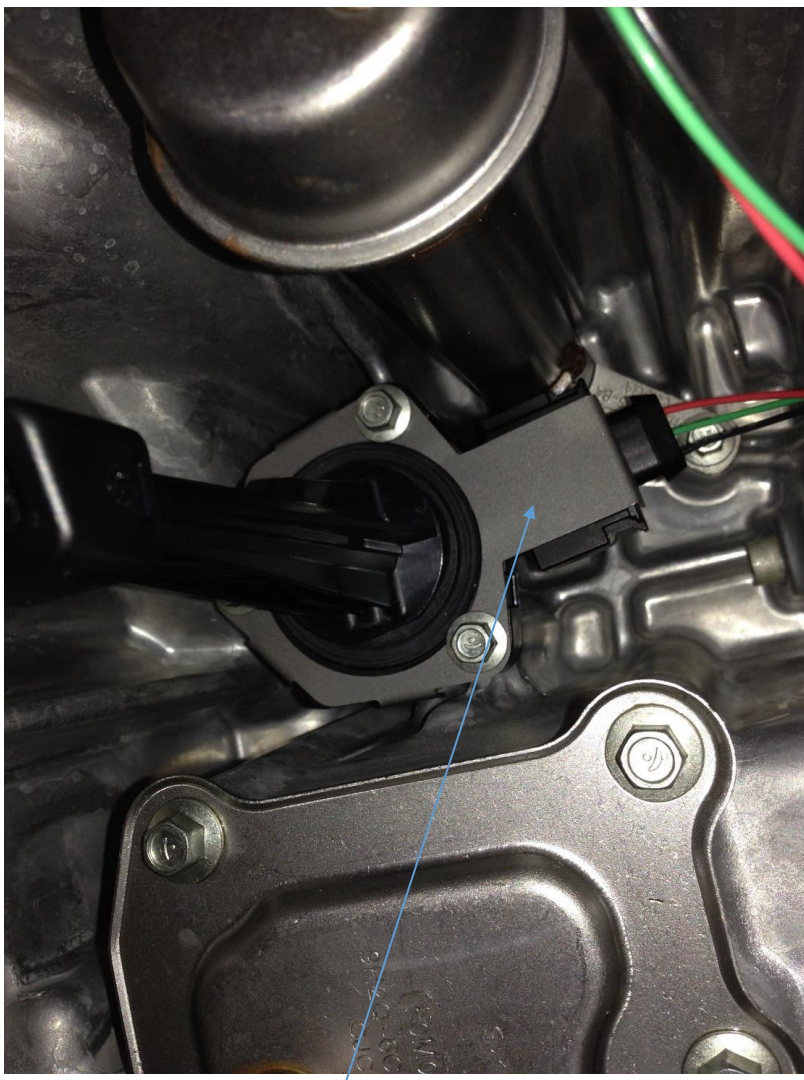
View down on top of oil pan with
windage tray removed



Retainer plate just visible

Pictures of retainer plate

Close up of retainer plate in
place over the oil level sensor



Pictures of retainer plate

View of retainer plate with the oil level sensor behind it.

