

|                      |                                                                                          |
|----------------------|------------------------------------------------------------------------------------------|
| <b>Reference</b>     | SSM73239                                                                                 |
| <b>Models</b>        | LR3 / L319<br>Range Rover / L405<br>Range Rover Sport / L320<br>Range Rover Sport / L494 |
| <b>Title</b>         | Engine Oil Level Sensor Concerns V6/V8 Diesel DTC P250A                                  |
| <b>Category</b>      | Engine                                                                                   |
| <b>Last modified</b> | 26-Jun-2017 00:00:00                                                                     |
| <b>Symptom</b>       | Oil System Concerns                                                                      |
| <b>Attachments</b>   | 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.

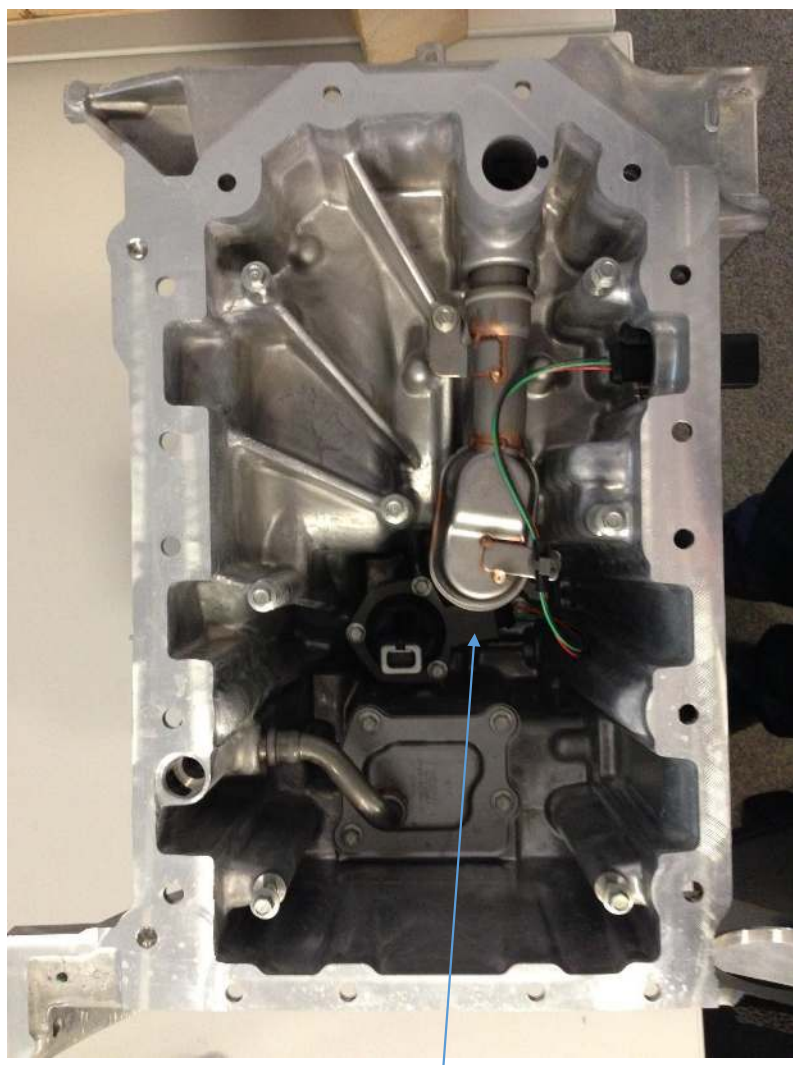
5 = Excellent – All required information provided to resolve the customer concern.



# 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.

