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|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Reference</b>     | SSM72956                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Models</b>        | LR4 / L319<br>Range Rover / L405<br>Range Rover Sport / L320                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Title</b>         | 3.0 TDV6 Crankshaft Position Sensor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Category</b>      | Engine                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Last modified</b> | 13-Sep-2016 00:00:00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Symptom</b>       | 499000 Basic Engine                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Attachments</b>   | TDV6 Crankshaft Sensor.pdf (TDV6 Crankshaft Sensor.pdf)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Content</b>       | <p><b><u>Issue:</u></b></p> <p>When replacing a crankshaft sensor on a 3.0 TDV6 engine it may also be necessary to replace the trigger wheel dependent on the engine number/type of sensor fitted to the vehicle.</p> <p><b><u>Cause:</u></b></p> <p>At engine number <b>0637660</b> the crankshaft position sensor was revised from a mono-directional type sensor to a bi-directional type sensor to support introduction of stop-start functionality. Only the bi-directional type trigger wheel and sensor is now available via service parts.</p> <p><b><u>Action:</u></b></p> <p>Please check the engine number and original sensor fitted prior to carrying out a crankshaft sensor replacement on 3.0 TDV6. If the engine number is found to be pre 0637660 (9X2Q sensor fitted) then a new trigger wheel must also be fitted when the 9X2Q sensor is replaced. Vehicles fitted with engines 0637660 onwards do not require a trigger wheel when the crankshaft sensor is replaced.</p> <p>Refer to attached file for graphic illustration of the information outlined below.</p> <p>A mono directional sensor will have <b>9X2Q</b> engraved into the sensor body,<br/>If a <b>9X2Q</b> sensor is replaced the trigger wheel must be changed.</p> <p>A bi directional sensor will have <b>CK5Q</b> engraved into the sensor body.<br/>If a <b>CK5Q</b> sensor is replaced there is no requirement to change the trigger wheel.</p> <p><b>Part Numbers (for reference only)</b><br/> <b>LR049872 – Crankshaft Sensor</b><br/> <b>LR035564 – Trigger Wheel (only required on engine numbers pre 0637660 where a 9X2Q sensor is replaced)</b></p> |



Bi- Directional



MONO

