

Reference SSM71816

Models

Discovery 4 / L319

Discovery 3 / L319

Range Rover / L405

Range Rover Sport / L494

Range Rover Sport / L320

Title Crankshaft/Crankshaft Bearing Concerns - TDv6 Diesel Engine

Category Engine

Last modified 06-May-2014 00:00:00

Symptom 499000 Basic Engine

Content

Issue:

Crankshaft/crankshaft bearing failure - TDv6 Diesel Engine.

Cause:

Low incidence of crankshaft failure are being encountered, caused mainly by incorrect location of the main bearing shells during assembly, or through rotation of the shells during normal use. A new procedure has been implemented to ensure:

- more rapid resolution of customer concerns, and
- greater visibility of failure modes in order to improve repair process and parts delivery.

Action:

For any suspected crankshaft/bearing failure, please contact your local Dealer Technical Support or FRED team for details of the enhanced customer handling procedure.

The list below summarises typical symptoms of crankshaft/bearing failure, but please contact your DTS/FRED team if in any doubt as they will be pleased to offer assistance:

• Crankshaft is seized, engine cannot be turned either via starter motor or crankshaft pulley bolt.

• Oil sump or engine cylinder block is holed, with oil leakage and/or metallic debris found on engine under-tray.

• Engine makes a loud "rumbling/knocking" sound when running which worsens as the engine is placed under load. The engine oil pressure warning light may flash or be continuously illuminated, especially at low engine speeds.