

Reference	SSM72928
Models	Discovery 3 / L319 Discovery 4 / L319 Range Rover / L405 Range Rover Sport / L320
Title	Crankshaft/Crankshaft Bearing Failure - TDv6 Diesel Engine
Category	Engine
Last modified	23-Aug-2016 00:00:00
Symptom	499000 Basic Engine

Content

Issue:
Crankshaft/crankshaft bearing failure - TDv6 Diesel Engine.

Cause:

Low incidents of crankshaft/crankshaft bearing 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/crankshaft bearing failure, please contact your local FRED or Dealer Technical Support Team for details of the enhanced customer handling procedure.

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

1. Crankshaft is seized, engine cannot be turned either via the starter motor or crankshaft pulley bolt.
2. Oil sump or engine cylinder block is holed, with oil leakage and/or metallic debris found on engine under-tray.
3. Engine makes a loud 'rumbling' 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.