Reference	SSM76308
Models	Defender / L663 New Range Rover / L460 New Range Rover Sport / L461
Title	4.4 NC11 Engine Oil Cooler Pipe Leak
Category	Engine
Last modified	19-May-2025 00:00:00
Symptom	401000 Oil System Concerns
Attachments	14.4 NC11 Engine Oil Cooler Pipe Leak.pdf (14.4 NC11 Engine Oil Cooler Pipe Leak.pdf)

Content

Model / Model Year / Derivative

Range Rover (L460) / 24MY Onwards / 4.4 NC11
Range Rover Sport (L461) / 24MY Onwards / 4.4 NC11
Defender (L663) / 25MY Onwards / 4.4 NC11

Situation:

Engine oil cooler feed and/or return pipe leaking engine oil from the oil pan extension oil cooler port(s), refer to attached file, slide one, which shows the area of concern.

Cause:

Pinched, split or deformed O-ring on the engine cooler pipe(s).

Action:

Refer to the service request below.

Service Request:

1. Confirm the engine oil cooler feed and/or return pipe is leaking from the oil pan extension oil cooler port(s).
2. Take clear photographs of the pipes and surrounding area of the leak.
3. Remove the oil cooler pipes as per TOPIx Workshop Manual - 303-01: Engine - V8 T/C 4.4L Petrol - Removal and Installation – Oil Cooler Pipes. **NOTE – the affected pipe(s) must be retained so that a Priority Return Request (PRR) can be raised to expediate the return of the pipe(s) to JLR engineering.**
4. Take clear photographs of the following:
   a) The two oil cooler port bores in the oil pan (immediately after pipe removal).
   b) The affected O-ring(s) (do not remove the O-ring(s) from the pipe(s))

c) The serial numbers on the label attached to the removed pipe(s), refer to attached file, slide 2 for label location.

5. To prevent damage occurring to the O-ring, prior to installing the new pipe(s) carefully inspect the oil cooler port bores.
   IMPORTANT – if any burrs/debris is found take clear photographs which show the concern.
6. Install the oil cooler pipes as per TOPIx Workshop Manual - 303-01: Engine - V8 T/C 4.4L Petrol - Removal and Installation – Oil Cooler Pipes.
7. Start the engine. Allow the engine to idle until the engine has reached normal operating temperature, inspect the joint(s) to confirm the leak is no longer present.
8. Raise an Electronic Product Quality Report (EPQR), which must include the following -
   - Reference to PTS_100
   - Reference to P396740
   - Reference to SSM 76308
   - Photographs attached as detailed/requested in the service information above.
   Confirmation that the removed pipe(s) have been retained and are available for collection using the Priority Return Request (PRR) process.

(Ref 000123456 / 1234)

anBhdHRlcnM7MjAyNS0wNS0yMFQxMjowOTo1Ny4zOTFaOzEzNi4yMjYuODEuODU7