

<b>Reference</b>	SSM76308
<b>Models</b>	Defender / L663 New Range Rover / L460 New Range Rover Sport / L461
<b>Title</b>	4.4 NC11 Engine Oil Cooler Pipe Leak
<b>Category</b>	Engine
<b>Last modified</b>	17-Apr-2025 00:00:00
<b>Symptom</b>	401000 Oil System Concerns
<b>Attachments</b>	4.4 NC11 Engine Oil Cooler Pipe Leak.pdf (4.4 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**

Please refer to the service information below.

**Service Information**

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 (please attach them to the EPQR).
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 (please attach them to the EPQR) of the following –
  - a) The two oil cooler port bores in the oil pan (immediately after pipe removal).
  - b) The affected O Ring(s) (please 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 two for label location.

5. To prevent damage occurring to the O ring, prior to fitting 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** (please attach them to the EPQR).
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 - PTS\_100 - P396740 – 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 via PRR.

Reference 000396740 / 4338

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