Reference	SSM76269
Models	Defender / L663 Discovery / L462 New Range Rover / L460 New Range Rover Sport / L461 Range Rover / L405 Range Rover Sport / L494 Range Rover Velar / L560
Title	Turbocharger Coolant Feed And Return Pipe O-Ring Leak - Ingenium I6 3.0L Petrol
Category	Engine
Last modified	13-Feb-2025 00:00:00
Symptom	402000 Cooling System Concerns

Content

Model / Model Year / Derivative

Defender / 20MY onwards / Ingenium I6 3.0L Petrol
Discovery / 21MY onwards / Ingenium I6 3.0L Petrol
Range Rover (L405) / 20-22MY / Ingenium I6 3.0L Petrol
Range Rover (L460) / 22MY onwards / Ingenium I6 3.0L Petrol
Range Rover Sport (L494) / 19-22MY / Ingenium I6 3.0L Petrol
Range Rover Sport (L461) / 23MY onwards / Ingenium I6 3.0L Petrol
Range Rover Velar / 21MY onwards / Ingenium I6 3.0L Petrol

Situation:

JLR Engineering investigations have identified instances where turbocharger coolant feed and return pipes are being replaced for coolant leaks caused by the O-ring seals.

Action:

Refer to the service information below.

Service Information:

In the event that a coolant leak is suspected from the turbocharger feed/return pipe O-ring seals, complete the following steps:

1. Connect the approved JLR Battery Support Unit (BSU)
2. Connect the approved JLR diagnostic equipment
3. Select Fault and Breakdown and start a new Workflow
4. Enter the following symptoms:
   - Powertrain > Engine > Fluid Leaks > Coolant Leak
5. The following Test Plan will be offered:
   - 'Turbocharger Coolant Pipe Leakage - Test'
6. Complete the Test Plan, following any on-screen instructions
7. If a coolant leak from the turbocharger feed/return pipe connection is found, replace the O-ring seals. DO NOT replace the turbocharger feed/return pipes unless there is visible damage to the pipes.

Note: TOPIx workshop manual is in the process of being updated to add a standalone Removal and Installation procedure for the turbocharger feed/return O-ring seals. When this is live, it will be linked to the 'Turbocharger Coolant Pipe Leakage - Test'.

(Ref 000362822 / 2726)

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