

Reference	SSM75809
Models	E-PACE / X540
Title	INGENIUM I4 2.0L PETROL - Message centre displays `Coolant Level Low` warning message.
Category	Engine
Last modified	03-Aug-2022 00:00:00
Symptom	402000 Cooling System Concerns

ContentIssue:

Jaguar Land Rover (JLR) is investigating customer reports coolant level low.

After diagnosis, Charge Air Coolers (CAC) are being reported to have internal coolant leaks on AJ20-P4 variants.

In some circumstances the below Diagnostic Trouble Code (DTC) is also stored within the Powertrain control module (PCM).

P0507-00 Idle Control System - RPM Higher Than Expected is also stored within the Powertrain control module (PCM).

Cause:

Under investigation.

Action:

If the customer concern has been rectified, attach all the information identified to an ePQR, quoting this SSM, along with the:

Confirmation of customer complaint/verbatim:

- Coolant light on (message centre warning)
- Coolant low (observation that the coolant level in the expansion tank has dropped)
- Coolant leak (seen evidence of coolant leaking in the engine bay or underneath the vehicle)

Diagnostic steps:

- Detail of diagnostic steps performed leading to the charge air cooler internal leak as root cause.

- Photos of the Charge Air Cooler internals showing evidence of coolant leak.

Please also save for return to JLR (PTS_300 - Air Intake System)

- 100ml of coolant from the vehicle.
- The Charge Air Cooler.
- Parts Return Request (PRR) will be raised on receipt of EPQR.

Thank you in advance for your assistance with this matter.

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