

Special Service Message

NOTE: A Special Service Message is a formal communication issued by Land Rover and carries the same importance of a Technical Service Bulletin. An SSM is a quick method of communicating "Need To Know" information to the technical service community. SSM's may be issued in advance of a technical bulletin or may be the only communication on a given topic. All information contained in Land Rover technical communications are intended for use by trained, professional technicians with the knowledge, tools, and equipment required to complete the procedure correctly and safely. It informs the Technicians of conditions that may occur on some vehicles, or provides information that could assist in correct vehicle and diagnostic service.

SSM 75719 - L663 21MY Only Engine Coolant Temperature Intermittently Displays High On Instrument Cluster

Models : Defender/L663

Engineer Richard Attwood

Name :

Last Modified 24 MAR 2022 13:28:01

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Category : Engine

Symptom : Cooling System Concerns

Content : **Issue:** A customer may report an intermittent concern for L663 21MY P6 only, that the engine temperature gauge display moves from normal to high and back to normal when the vehicle has been driven for approximately 10 miles. Additionally the message 'Stop safely. Engine overheating' is displayed on the Instrument Cluster.

When checking the coolant level it appears to be at the correct level with no sign of coolant loss and no related Diagnostic Trouble Codes (DTCs) stored in the Powertrain Control Module (PCM).

Cause: Currently under analysis.

Action: If a customer reports the concern above and vehicle does not show any sign of engine overheating or coolant loss with no relevant DTCs stored in the PCM, carry out the following steps to update the PCM software:

Please note – The software update to the PCM will need to be carried out using TOPIx I-Cloud Diagnostics.

1. Connect the JLR approved battery support unit.
2. Please ensure the latest version on the Diagnostic Device Agent (DDA) is installed.
3. Launch DDA and login.
4. Select 'Browse all' in OPTION SELECTION.
5. Within the Diagnostics tab, select 'PCM' in the 'Vehicle Data Modules' section
6. Within the 'Applications and Troubleshooting' section select 'Module Programming' tab.
7. Select 'PCM – Software – Update Module'.
8. Select 'Run'.
9. Follow all on-screen instructions and complete the routine.

10. Disconnect the JLR approved diagnostic equipment and battery support unit.