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| <b>Reference</b>     | SSM75869                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Models</b>        | Defender / L663<br>Discovery / L462<br>New Range Rover / L460<br>New Range Rover Sport / L461<br>Range Rover / L405<br>Range Rover Sport / L494<br>Range Rover Velar / L560                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Title</b>         | `Coolant Low` Warning Message Displayed On The Instrument Panel Cluster                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Category</b>      | Engine                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Last modified</b> | 05-May-2023 00:00:00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Symptom</b>       | 402000 Cooling System Concerns                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Content</b>       | <p><b>L663, L462, L405, L494, L460, L461, L560</b><br/> <b>All model years</b><br/> <b>Ingenium I6 3.0L Diesel/Petrol and V8 4.4L Petrol only</b></p> <p><b><u>Issue:</u></b><br/> Customers are reporting a 'Coolant Low' warning message displayed on the instrument panel cluster.</p> <p><b><u>Cause:</u></b><br/> Multiple potential engine coolant leak paths.</p> <p><b><u>Action:</u></b><br/> <b><u>NOTE: Vehicles must be returned to the customer with the engine coolant at the required maximum level.</u></b></p> <ol style="list-style-type: none"> <li>1. Pressure test the engine cooling system as detailed in the TOPIx Workshop Manual, (see TOPIx Workshop Manual section 303-03: Engine Cooling - Diagnosis and Testing - Cooling System Pressure Test).</li> <li>2. Make sure the following components are inspected as part of the cooling system pressure testing diagnosis: <ul style="list-style-type: none"> <li>- Coolant expansion tank/coolant expansion tank filler cap</li> <li>- Turbocharger coolant inlet/outlet hoses</li> <li>- Thermostat housing and hose connections</li> <li>- Auxiliary water pump connections</li> <li>- Radiators and coolers</li> <li>- Charge air coolers - external and internal (remove the charge air cooler intake pipe to inspect for internal leaks)</li> </ul> </li> <li>3. Vehicles must be returned to the customer with the engine coolant at the required maximum level.</li> </ol> |

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