

## 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 75005 - PHEV High Voltage Battery Cooling Pump - MIL False Flag - DTC P0C48-39/P0C47-31**

**Models :** Range Rover / L405  
Range Rover Sport / L494

**Engineer Name :** Mike Littler

**Last Modified :** 22 AUG 2020 06:56:53

**Category :** Driveability

**Symptom :** 698298 Malfunction Indicator Lamp

**Content :** **Issue:**

Customer may experience a MIL/check engine light occurring on their plug-in hybrid electric vehicle (PHEV), no other symptom is reported. On reading the vehicle DTCs using the Land Rover approved diagnostic tool (Pathfinder) Diagnostic Trouble Code (DTC) **P0C48-39** (*Hybrid/EV Battery Pack Coolant Pump "A" Control Circuit Low*) and/or **P0C47-31** (*Hybrid/EV Battery Pack Coolant Pump "A" Control Circuit/Open*) are identified in the Battery Energy Control Module (BECM)

This concern affects plug-in hybrid electric vehicles (PHEV) as follows -

Range Rover (LG) – 2018 Model Year – Vin Range **343646 to 399865**  
Range Rover (LG) – 2020 Model Year – Vin Range: **400068 to 413723**  
Range Rover (LG) – 2018-2020 Model Year – Vin Range: **500016 to 599096**

Range Rover Sport (LW) – 2018 Model Year – Vin Range: **146054 to 199986**  
Range Rover Sport (LW) – 2020 Model Year – Vin Range: **700004 to 746427**  
Range Rover Sport (LW) – 2018-2020 Model Year – Vin Range: **800038 to 899997**

**NOTE: This Special Service Message (SSM) will act as an interim communication. The release of a Technical Service Bulletin will supersede this SSM in the near future.**

**Cause:**

Software diagnostic error.

**Action:**

To resolve the issue detailed in this SSM please follow the diagnostic instruction below.

**CAUTION: This procedure requires a minimum of Pathfinder 293 loaded or later.**

**NOTE: The Jaguar Land Rover (JLR) approved diagnostic equipment will read the Vehicle Identification Number (VIN) for the vehicle and**

**automatically take the vehicle out of 'Transportation mode' if required.**

1. Connect the JLR approved battery support unit.
2. Connect the JLR approved diagnostic equipment to the vehicle and begin a new session.
3. Follow the JLR approved diagnostic equipment prompts.
4. Select 'ECU Diagnostics'.
5. Select 'Battery Energy Control Module [BECM]'.
6. Select 'Update ECU'.
7. Follow all on-screen instructions to complete the task.
8. If required, reset the vehicle to 'Transportation mode'.
9. When all of the tasks are complete, exit the session.
10. Disconnect the JLR approved diagnostic equipment and the JLR approved battery support unit.

If the DTC's remain/return post the software download please refer to the Diagnostic Trouble Code Index on TOPIx for further guidance. 1: General Information > 100: Service Information > 100-00: General Information > Description and Operation > Diagnostic Trouble Code Index Ingenium I4 2.0L Petrol – PHEV, DTC: Battery Energy Control Module (BECM)

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