

<b>Reference</b>	SSM75970
<b>Models</b>	New Range Rover / L460 New Range Rover Sport / L461
<b>Title</b>	L460/ L461 Air Suspension Warning Displayed on Instrument Cluster DTC U3000-49 Stored In EESM
<b>Category</b>	Chassis
<b>Last modified</b>	08-May-2023 00:00:00
<b>Symptom</b>	304000 Suspension System

<b>Content</b>	<p><b>Issue:</b></p> <p>Jaguar Land Rover (JLR) investigations have found that 1 or more of the below symptoms may be present:</p> <ul style="list-style-type: none"><li>• A customer may report that the suspension warning lamp is illuminated along with the warning message 'Stop safely and switch off – suspension fault detected' displayed on the Instrument Panel Cluster</li><li>• During diagnosis using TOPIx Cloud the Diagnostic Trouble Code (DTC) U3000-49 is found to be stored in the Electrical Energy Storage Module (EESM) and Electric Power Inverter Converter Control Module 'E' (EPICE)</li><li>• DTC B1646-01 stored in the Gateway Module (GWM)</li></ul>
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**Cause:**

EESM software calibration error.

**Action:**

Follow the below instructions within TOPIx Cloud:

1. Connect the JLR approved battery support unit.
2. Connect the JLR approved diagnostic unit.
3. Select Fault and Breakdown > Symptoms 'Chassis > Warnings > Warning Light / Lamp Illuminated > Vehicle Dynamic Suspension' and follow the on-screen prompts.

**Note:** If DTC U3000-49 is stored in the EESM as an active / pending / historic fault then an 'EESM test' will be presented on-screen that will check the software level and offer a software update if applicable. Continue to update the module and follow the on-screen prompts.

4. Disconnect the JLR approved diagnostic unit.
5. Disconnect the JLR approved battery support unit.

**Note:** If the EESM fails to update carry out the following steps:

Abort the EESM software update operation.

1. Select 'Front and Rear ARCM – Electric Dynamic Response Power Supply Set Service Mode' in the module applications menu.

2. Select EESM Software Update, if it updates successfully, select 'Front and Rear ARCM – Electric Dynamic Response Power Supply Exit Service Mode' and exit the workflow.
3. If the EESM still fails to update then replace the EESM, if the EESM replacement routine was successful, clear DTCs, re-assess the vehicle concern and if rectified release the vehicle.
4. If the new EESM fails to configure, raise a Technical Assistance for further guidance.
5. If the EESM does configure successfully but the original vehicle concern is not rectified, continue with diagnosis using TOPIx Cloud.

**Note:** The EESM is also known as the 'Electric Dynamic Response 48 V Supercapacitor' within in the TOPIx Workshop Manual.

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