

<b>Reference</b>	SSM74004
<b>Models</b>	Range Rover Sport / L494
<b>Title</b>	Electronic Park Brake (EPB) calibration message on the Instrument Cluster
<b>Category</b>	Chassis
<b>Last modified</b>	17-Oct-2018 00:00:00
<b>Symptom</b>	302000 Parking Brake System
<b>Content</b>	<p><b>Issue:</b></p> <p>Customer notices 'Park Brake needs Calibration' message on the instrument cluster. They may not be able to release the EPB for a short period of time following this message</p> <p>The following 4 DTC's will be logged within the Anti-lock Brake System (ABS) module:</p> <p>C2005-71 - Right actuator – Actuator Stuck  C2006-71 - Left actuator – Actuator Stuck  C2007-72 – Right Motor – Actuator Stuck open  C2008-72 - Left Motor – Actuator Stuck open</p> <p><b>Cause:</b></p> <p>The software monitoring the EPB actuators is corrupted, and when a release command is immediately interrupted by an apply command (during the first release command of an ignition cycle) the warning message 'Park Brake needs Calibration' will appear on the instrument cluster.</p> <p>This may occur when the following driver operations are completed</p> <ul style="list-style-type: none"> <li>• Vehicle has just been started from cold</li> <li>• The vehicle detects a Park Brake engage request as the vehicle has just been put into Drive, Reverse or as the EPB is disengaging: - this can happen in the following circumstances: <ul style="list-style-type: none"> <li>◦ The drivers door is open or not fully latched</li> <li>◦ The Park button on the stick shifter is pressed quickly after entering Drive or Reverse</li> <li>◦ The EPB switch on the centre console is pulled as the vehicle enters Drive or Reverse</li> </ul> </li> </ul> <p><b>Action:</b></p> <p><b>This software update will not work for HEV/PHEV vehicles. The software to fix these vehicles will be released shortly</b></p> <p>Update the ABS module using the approved diagnostic tool with Pathfinder 193 installed or later:</p> <p><b>NOTE:</b></p> <p>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.</p> <ol style="list-style-type: none"> <li>1. Connect the JLR approved battery support unit.</li> <li>2. Connect the JLR approved diagnostic equipment to the vehicle and begin a new session.</li> <li>3. Follow the JLR approved diagnostic equipment prompts.</li> <li>4. Select 'ECU Diagnostics'.</li> <li>5. Select 'Antilock Brake System [ABS]'.</li> <li>6. Select 'Update ECU'.</li> <li>7. Follow all on-screen instructions to complete the task.</li> <li>8. If required, reset the vehicle to 'Transportation Mode'.</li> <li>9. When all of the tasks are complete, exit the session.</li> <li>10. Disconnect the JLR approved diagnostic equipment and the JLR approved battery support unit.</li> </ol> <p>Confirm the fault has been cleared and the EPB is working as intended</p> <p>Technicians - Please rate this SSM and provide comments so that future communications can be improved.</p> <p>1 = Poor – Basic information provided – The SSM does not help me resolve the customer concern.</p> <p>3 = Average – Adequate information provided – The SSM partially helps me resolve the customer concern.</p> <p>5 = Excellent – All required information provided to resolve the customer concern.</p>