

Reference	SSM74004
Models	Range Rover Sport / L494
Title	Electronic Park Brake (EPB) calibration message on the Instrument Cluster
Category	Chassis
Last modified	13-Aug-2018 00:00:00
Symptom	302000 Parking Brake System
Content	<p>Issue:</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>Cause:</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"> • Vehicle has just been started from cold • 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"> ◦ The drivers door is open or not fully latched ◦ The Park button on the stick shifter is pressed quickly after entering Drive or Reverse ◦ The EPB switch on the centre console is pulled as the vehicle enters Drive or Reverse <p>Action:</p>

- Perform the Park Brake calibration procedure
 - Switch off the vehicle
 - Lock the vehicle
 - Wait ten minutes
 - Unlock the vehicle
 - Start the Engine
 - Hold foot on the footbrake
 - Press EPB switch to release the park brake – wait 2 seconds
 - Pull EPB switch to apply the park brake
 - Wait for the red P/Park Symbol to go solid (not flashing)
 - Confirm that the yellow warning lamp and re-calibrate message has gone
- Inform the customer of the circumstances in which this issue can occur and advise them of the calibration procedure
- Do not replace any parts
- A software update will be made available in the near future

Technicians - Please rate this SSM and provide comments so that future communications can be improved.

1 = Poor – Basic information provided – The SSM does not help me resolve the customer concern.

3 = Average – Adequate information provided – The SSM partially helps me resolve the customer concern.

5 = Excellent – All required information provided to resolve the customer concern.