

Reference	SSM71813
Models	Range Rover Sport / L494
Title	TCM/GSM Initialisation – Transmission unable to shift out of Park
Category	Driveline
Last modified	09-Apr-2014 00:00:00
Symptom	503000 Automatic Transmission Engagement Concerns
Content	<p><b>Issue:</b>  Reports of a malfunction of the TCM (Transmission Control Module) and GSM (Gear Selector Module) to initialise correctly, resulting in incorrect replacement of the GSM. Reported symptoms will be a gearbox fault on the instrument cluster message centre and unable to shift the transmission out of Park.</p> <p><b>Cause:</b>  EPRL (Emergency Park Release Lever) pulled with the ignition in the off position. <b>NOTE: If this EPRL is pulled with the ignition switched on, the initialisation error will not occur.</b></p> <p><b>Action:</b>  If the following DTC's are stored the action required is with the ignition on make sure the EPRL is latched down and then clear all DTC's. The GSM should not be replaced.</p> <p>TCM (Transmission Control Module) – <b>U0001-81</b> and <b>P1707-72</b>  GSM (Gear Selector Module) – <b>U0402-2A</b> and <b>U0402-92 (U0402-92 maybe present)</b>  ABS (Anti-Lock Brake System) - <b>U0001-81</b>  PCM (Powertrain Control Module) – <b>U0592-00 (maybe present)</b></p> <p>If the following DTC's are stored the action required is to diagnose the park/neutral switch error (P0850-02 or P0850-29) and when resolved with the ignition on make sure the EPRL is latched down and then clear all DTC's.</p> <p>TCM (Transmission Control Module) – <b>U0001-81</b> and <b>P0850-02 or P0850-29</b>  GSM (Gear Selector Module) – <b>U0402-2A</b> and <b>U0402-92 (U0402-92 maybe present)</b>  ABS (Anti-Lock Brake System) - <b>U0001-81</b>  PCM (Powertrain Control Module) – <b>U0592-00 (maybe present)</b></p>