

1Ground Points.pdf

Reference	SSM71278
Models	Range Rover Sport / L494 Range Rover (All New) / L405
Title	Vehicle Steering Feels Heavy
Category	Chassis
Last modified	06-Feb-2014 00:00:00
Symptom	303000 Steering/Handling
Content	<p>Issue: A customer may report the vehicle steering feels heavy potentially accompanied by visual or audible warnings through the instrument pack. The following DTCs may also be logged: EPAS DTCs logged: -B1304-16: Electronic Power Assisted Steering (EPAS) system circuit voltage below threshold -U3001-00: Power Steering Control Module (PSCM) system improper shutdown. These may be accompanied by: -U0001-87 / 88 High speed CAN bus invalid serial data received / missing message. CHCM DTCs logged: -U0131-00 CHassis Control Module (CHCM) lost comms with PSCM. -U3003-62 Battery voltage signal compare failure. -U0420-68 CHCM invalid data received from PSCM.</p> <p>Cause: This may be caused by: -Low battery voltage. -Wiring harness issue (short / open circuit, high resistance). -High resistance at EPAS earth terminal G1D132 and or G4D178, (see attached diagram).</p> <p>Action: -Using SDD please check the CHCM and EPAS for any DTC -Confirm the vehicle battery condition is OK -Confirm ignition and main feed fuses are secure. -Check and clean the earth terminals (G1D132 & G4D178), replacing the washer if found to be corroded and re-tighten retaining fixings. -Refer to the electrical circuit diagrams (211.02 in TOPIx) and check the power steering control module power feed circuit for short circuit to ground, open circuit, high resistance.</p>

