

<b>Reference</b>	SSM71278
<b>Models</b>	Discovery Sport / L550 Range Rover / L405 Range Rover Evoque / L538 Range Rover Sport / L494
<b>Title</b>	Vehicle Steering Feels Heavier than expected
<b>Category</b>	Chassis
<b>Last modified</b>	02-Dec-2015 00:00:00
<b>Symptom</b>	303000 Steering/Handling
<b>Attachments</b>	11Ground Points.pdf (11Ground Points.pdf)
<b>Content</b>	<p><b>Issue:</b> 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><b>Cause:</b> This may be caused by: -Low battery voltage. -Wiring harness issue (short / open circuit, high resistance). -High resistance at EPAS earth terminal (for L405/L494) G1D132 and or G4D178, (see attached diagram). Or if on L550/L538 high resistance at G1D122A, G1D122B, G1D122AZ and G1D108.</p> <p><b>Action:</b> -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 following earth terminals <b>L405/L494</b>:G1D132 &amp; G4D178 <b>L550/L538</b>: G1D122A, G1D122B, G1D122AZ and G1D108. Replace the washer if</p>

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.

