

Special Service Message

NOTE: A Special Service Message is a formal communication issued by Land Rover and carries the same importance of a Technical Service Bulletin. An SSM is a quick method of communicating "Need To Know" information to the technical service community. SSM's may be issued in advance of a technical bulletin or may be the only communication on a given topic. All information contained in Land Rover technical communications are intended for use by trained, professional technicians with the knowledge, tools, and equipment required to complete the procedure correctly and safely. It informs the Technicians of conditions that may occur on some vehicles, or provides information that could assist in correct vehicle and diagnostic service.

SSM 71278 - Vehicle Steering Feels Heavy

Models : LG - Range Rover (All New) - L405
LW - Range Rover Sport - L494

Engineer Girling Alex

Name :

Last 23-01-2014 13:24:29

Modified :

Category : Chassis

Symptom : 303000 Steering/Handling

Content : 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.

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).

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.

File : [Ground Points.pdf](#)