Reference	SSM73628
Models	Discovery / L462 Range Rover / L405 Range Rover Sport / L494 Range Rover Velar / L560
Title	Traction Reduced Message with DTC U2000-4B Logged within the RDCM
Category	Driveline
Last modified	09-Nov-2017 00:00:00
Symptom	509000 Axle Concerns
Attachments	SSM Attactment 2-11-2017.pdf (SSM Attactment 2-11-2017.pdf)

Content

Issue:
JLR are currently investigating 'Traction Reduced' message displayed on the Instrument Cluster (IC) message center and DTC U2000-4B logged within the Rear Differential Control Module (RDCM).

Cause:
Unknown at this time.

Action:

- **Retailers located within 150 miles of Jaguar Landrover Solihull, please:**
  - Submit an EPQR
  - Send an e-mail thooper2@jaguarlandrover.com to arrange an engineering visit
  - Do not attempt any diagnosis or repair

- **Retailers located more than 150 miles from Jaguar Landrover Solihull, please:**
  - Check condition of wiring harness at both the RDCM connectors, ensure the connectors are fitted correctly (Please view example attachment)
  - Refer to the electrical circuit diagrams (Circuit RDCM pin reference MAG+/MAG-) and check the differential locking motor brake circuit for short circuit to ground, short circuit to power, open circuit, high resistance
  - Rectify as necessary (Take pictures of the before the repair and attach to the EPQR)
  - Using Pathfinder Calibrate the system (On Demand Self Test) by performing routine following steps 1-17

1. CAUTION: This procedure requires Pathfinder version 113 loaded or a later version Connect the Jaguar Land Rover approved battery support unit
2. Connect the Jaguar Land Rover approved diagnostic tool to the vehicle and begin a new diagnostic session. The Jaguar Land Rover approved diagnostic tool will read the

correct VIN for the current vehicle and automatically take the vehicle out of ‘Transportation mode’ if required
3. Follow the Jaguar Land Rover approved diagnostic tool prompts
4. Select 'ECU Diagnostics'
5. Select 'Rear Differential Control Module [RDCM'
6. Select 'Clear DTCs'
7. Follow all on-screen instructions to complete this task
8. Start engine
9. Select 'Live Data'
10. Select 'Operational Zero Position (OPZ) [D903]' and make note of the value
11. Select 'ECU Functions'
12. Select 'Demand self test - module calibration'
13. Follow all on-screen instructions to complete this task
14. Select 'Live Data'
15. Select 'Operational Zero Position (OPZ) [D903]' and make note of the value
16. If required, reset the vehicle to ‘Transportation mode’
When the task is completed, exit the current session
17. Disconnect the Jaguar Land Rover approved diagnostic tool and the Jaguar Land Rover approved battery support unit

- Submit an EPQR with following details
  - Photo of wiring harness near RDCM connectors (both), which clearly shows the taping of the harness as it approaches the connector (we are interested to understand if the harness bundle is being pulled too close together as it goes into the connector affecting the terminal alignment resulting poor connectivity).
  - The values 'Operational Zero Position (OPZ) [D903] from the live data before and after the 'Demand self test - module calibration'
  - All the RDCM DTC’s present before attempting rectification.
  - Return the vehicle to the customer.

  Thank you in advance for your assistance in this matter.

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.