

Reference	SSM75847
Models	New Range Rover / L460
Title	Loss of function/hot air from either the RH/LH side of the HVAC Vents
Category	Electrical
Last modified	07-Sep-2022 00:00:00
Symptom	208000 Climate Control

Content**Issue:**

JLR are investigating loss of function/hot air from either the RH/LH side of the HVAC vents

Cause:

This is caused by either LIN A/B going down with no data being transmitted over the Bus. Each Bus has 11 stepper motors and DTC codes *****-87 - missing message will be flagged (Listed below) for each of the steppers on the affected side.

B1613-87, B1614-87, B1364-87, B1085-87, B1611-87, B1615-87, B1359-87, B1351-87, B1616-87, B1352-87, B135B-87, B1611-87, B1615-87, B1351-87, B1613-87, B135B-87, B1614-87, B1616-87, B1613-87, B135B-87, B1085-87, B1085-87, B1364-87, B1359-87, B1364-87, B1352-87, B1615-87, B1616-87, B1359-87, B1611-87, B1352-87, B1351-87, B1614-87

Action:

If customer expresses concern that there is no hot airflow from the left-hand side or right-hand side from the face vents either through auto or manual distribution, and the DTC's listed are logged within the HVAC module, please perform the following checks before any form of rectification:

PLEASE NOTE - If the vehicle is within 200 miles of Gaydon Engineering Centre, raise Technical Assistance (TA) and quote this SSM number and request TA escalation to BES-205 and do not continue with the steps below as an engineering visit will be conducted.

If the vehicle **is not** within 200 miles of Gaydon Engineering Centre, please complete the following steps:

- Record LIN traces on LIN A and LIN B using a Picoscope at the highest sample resolution in Vehicle Accessory mode (Powermode 4) and Vehicle Running (Powermode 7).
- Read HVAC DIDs and record the results:
 - D024 - System Restart Trigger Record Count
 - D01F - Watchdog Reset Trigger Record State
 - 9944 - FR Temp error counters
 - 9948 - FL Temp error counters
 - D151 - LIN A Active Status
 - D152 - LIN B Active Status
- Execute HVAC On Demand Self-Test
- Perform full vehicle reset
- Clear all DTC's
- Run Network Integrity Test (NIT)

- Run HVAC - Actuators End Stop Detection
- Confirm full HVAC functionality and return the vehicle back to the customer.

Raise an EPQR with all data from the steps above.

Thank you in advance for your assistance with this matter

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