

| | |
|----------------------|---|
| Reference | SSM75891 |
| Models | New Range Rover / L460 New Range Rover Sport / L461 |
| Title | LHS or RHS HVAC Air Vents Blow Warm Air When Not Expected |
| Category | Electrical |
| Last modified | 15-Nov-2022 00:00:00 |
| Symptom | 208000 Climate Control |

Content**Issue:**

A customer may report that the Heating Ventilation and Air Conditioning (HVAC) system fascia air vents distribute warm air when not selected. The issue may be intermittent.

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 a customer expresses a concern that there is warm airflow from the left-hand side or right-hand side face vents either through auto or manual distribution and the DTC's listed below are logged within the HVAC module, please carryout the following steps:

- Connect a Jaguar/ Land Rover approved battery support unit
- Connect a Jaguar/ Land Rover approved TOPIx Cloud Diagnostics unit
- Ensure the latest level of Diagnosis Device Agent is installed
- 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

- Check and update HVAC software level
- Disconnect the Jaguar/ Land Rover approved TOPIx Cloud Diagnostics unit
- Disconnect the Jaguar Land Rover approved battery support unit
- Confirm full HVAC functionality and return the vehicle to customer

Please submit an EPQR with all data from the steps above.

Thank you in advance for your assistance with this matter .

anBhdHRicnM7MjAyMj0xMj0wNiQxNDozNj00OC4wMjBaOzEzNi4yMjYyNTluMT11Ow==