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| Reference | SSM76347 |
| Models | Defender / L663 New Range Rover / L460 New Range Rover Sport / L461 |
| Title | Diagnostic Trouble Code (DTC) P0A78-49 stored in the Electric Power Inverter Converter (EPIC) |
| Category | Driveline |
| Last modified | 24-Jun-2025 00:00:00 |
| Symptom | 501000 Automatic Transmission Concerns |
| Content | <p>Model / Model Year / Derivative</p> <p>Range Rover / 24MY / NC11 MHEV only Range Rover Sport / 24MY / NC11 MHEV only Range Rover / 25 MY onwards / AJ20P6 / AJ20D6 / NC11 MHEV only Range Rover Sport / 25MY onwards / AJ20P6 / AJ20D6 / NC11 MHEV only Defender / 25MY onwards / OCTA / NC11 MHEV only</p> <p>Situation:</p> <p>JLR Engineering investigations have found that certain vehicles are displaying a 'Stop Safely Electrical Fault Detected' warning message on the instrument panel.</p> <p>Cause:</p> <p>Software error</p> <p>Action:</p> <p>Refer to the Service Information below.</p> |

Service Information:

Where the Diagnostic Trouble Code (DTC) P0A78-49 is stored in the EPIC module, complete the EPIC Health Check application and follow DTC help text to diagnose the issue. The EPIC Health Check application will guide you to either update the software using the JLR approved diagnostic tool or raise a Technical Assistance (TA), depending on the result.

This issue is resolved in the following software levels:

- 24MY NC11 / R8E2-14G131-BR
- 25MY P6 / NC11 / S8E2-14G131-CC
- 25MY D6 / S8E2-14G131-DC

If the EPIC Health Check application has instructed you to update the EPIC module software, complete the update and follow the below steps:

1. Clear all DTCs.

2. Read DTCs.

- If DTC P0A78-49 is stored within the EPIC module, following the module update, raise a Technical Assistance (TA) to PTS_120.
- If DTC P0A78-49 is not stored within the EPIC module, following the module update, continue to step 3 below.

3. Complete 5 sleep cycles

- Switch the ignition OFF
- Close all doors, tailgate and hood
- Make sure all keys are over 3 meters away from the vehicle
- Lock the vehicle
- Monitor the hazard indicator. The backlight will extinguish when the vehicle has fully shutdown.

4. Clear all DTCs.

5. Read DTCs.

- If DTC P0A78-49 is not stored within the EPIC module, release the vehicle
- If DTC P0A78-49 is stored within the EPIC module and cannot be cleared, raise a Technical Assistance (TA) to PTS_120

6. When raising a TA case for DTC P0A78-49, make sure the following diagnostic data is attached:

- Confirmation that the EPIC module has been updated to the correct software level
- Confirmation that 5 sleep cycles have been completed
- Session files from the JLR approved diagnostic tool
- Photos of 12V and 48V wiring checks (grounds, interconnects)
- Any additional observations or symptoms noted during diagnosis

(Ref 000386267 / 5676)

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