

Reference	SSM76462
Models	Defender / L663 New Range Rover / L460 New Range Rover Sport / L461
Title	Software Update For P0A78-49 And P0A44-29 Stored In The Electric Power Inverter Converter (EPIC)
Category	Electrical
Last modified	22-Jun-2026 09:16:00
Symptom	206000 Warning Indicators
Content	<u>Model / Model Year / Derivative</u> Range Rover / 24MY onwards / NC11 Mild Hybrid Electric Vehicle (MHEV) only Range Rover Sport / 24MY onwards / NC11 MHEV only Range Rover / 25MY onwards / AJ20P6 / AJ20D6 / NC11 MHEV only Range Rover Sport / 25MY onwards / AJ20P6 / AJ20D6 / NC11 MHEV only Defender / 25MY onwards / OCTA / NC11 MHEV only <u>Situation:</u> JLR Engineering investigations have identified an issue where Diagnostic Trouble Code(s) (DTCs) P0A78-49 and P0A44-29 are stored in the Gen4 MHEV EPIC module. The fault typically flags during vehicle start-up. If present, the message 'Stop Safely Electrical fault detected' will appear in the IPC. A gearbox 'whine' noise may also be heard if the vehicle is driven. <u>Cause:</u> Software error within the EPIC module.

Action:

Refer to the Service Information below.

Service Information:

If DTCs P0A78-49 and/or P0A44-29 are stored in the EPIC, complete the following steps:
Connect the JLR approved Battery Support Unit and JLR approved diagnostic equipment.

1. Confirm vehicle communication is established and complete a Network Integrity Test (NIT).
2. Update the EPIC module to the latest software level using the 'Module Programming' tab in TOPIx Cloud.

The issue is resolved in the following software versions:

- R8E2-14G131-BV- MY24 NC11
- S8E2-14G131-CG- MY25/26 NC11 + P6
- S8E2-14G131-DG - MY25/26 D6

3. Complete a DTC clear from the EPIC module.

4. Perform a vehicle sleep cycle:

- Lock the vehicle.
- Move the smart key at least 5 metres away.
- Wait for Body Control Module (BCM) / Gateway Module (GWM) shutdown (hazard switch illumination turns off).

5. Complete a DTC read for the EPIC module.

6. If DTC P0A78-49 or P0A44-29 returns following completion of the above actions, raise a Technical Assistance (TA) which must include the below information:

- Reference to PTS_120
- Reference to P397925 / P403254
- Reference to this SSM
- Refer to the electrical circuit diagrams and check the integrity and correct operation of the EPIC low voltage (12 v) power and ground circuits
- Confirmation that the EPIC module has been updated to the correct software level
- Confirmation that 5 sleep cycles have been completed
- Photos of 12V and 48V wiring checks (grounds, interconnects)

- Any additional observations or symptoms noted during diagnosis

Follow the guidance provided through the TA process.

(Ref 000397925 / 000403254 / 9375)

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