

<b>Reference</b>	SSM76379
<b>Models</b>	Defender / L663 New Range Rover / L460 New Range Rover Sport / L461
<b>Title</b>	L460 / L461 / L663 - GEN4 Transmission - MHEV BECM - DTC - P0AA1-00 / P292D-00
<b>Category</b>	Driveability
<b>Last modified</b>	22-Aug-2025 00:00:00
<b>Symptom</b>	698298 Malfunction Indicator Lamp

**Content**

Affected Vehicle Lines and Model Years

- 24MY L460/L461 onwards – NC11 (V8 4.4 Petrol)
- 25MY L460/L461 onwards – 3.0L Ingenium Diesel, 3.0L Ingenium Petrol, NC11 (V8 4.4 Petrol)
- 25.5MY L663 OCTA onwards – NC11 (V8 4.4 Petrol)

Issue:

JLR Engineering has identified occurrences of one or more Diagnostic Trouble Codes (DTCs) being stored in the Battery Energy Control Module (BECM) located within the 48v MHEV Lithium Ion Battery.

- P0AA1-00 – Hybrid/EV Battery Positive Contactor "A" Circuit Stuck Closed
- P292D-00 – Hybrid/EV Battery Positive Contactor "B" Circuit Stuck Closed

In **North America and China markets only**, the Malfunction Indicator Lamp (MIL) will illuminate on the instrument panel if the DTCs are stored.

Cause:

BECM software anomaly resulting in erroneous logging of DTCs indicating a stuck closed Hybrid/EV Battery Positive Contactor.

- P0AA1-00 – Hybrid/EV Battery Positive Contactor "A" Circuit Stuck Closed
- P292D-00 – Hybrid/EV Battery Positive Contactor "B" Circuit Stuck Closed

**Action:**

## Pre-26MY Vehicles (Non-North America / China Markets)

- **Do not replace the 48v MHEV Lithium Ion Battery** unless symptoms of a welded contactor are present.
- **Clear the DTCs**, return the vehicle to the client, and await a BECM software update.

## Pre-26MY Vehicles (North America / China Markets)

- **Replace the 48v MHEV Lithium Ion Battery**

## 26MY Vehicles (All Markets)

- If DTCs **P0AA1-00** or **P292D-00** are triggered:
  - The **MIL will illuminate** on the instrument panel
  - Verify the BECM software is updated to the most recent release
  - If the issue persists following the software update, proceed with replacement of the 48V MHEV Lithium-Ion Battery.

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