

<b>Reference</b>	SSM76325
<b>Models</b>	New Range Rover / L460 New Range Rover Sport / L461
<b>Title</b>	Diagnostic Trouble Code (DTC) P0A1B stored in the Electric Power Inverter Converter (EPIC)
<b>Category</b>	Driveline
<b>Last modified</b>	24-Jun-2025 00:00:00
<b>Symptom</b>	503000 Automatic Transmission Engagement Concerns
<b>Content</b>	<p><b>Model / Model Year / Derivative</b></p> <ul style="list-style-type: none"><li>• Range Rover / 24MY onwards / PHEV only</li><li>• Range Rover Sport / 24MY onwards / PHEV only</li></ul> <p><b>Situation:</b></p> <p>Customers have reported a red warning indicator appearing on the instrument cluster upon vehicle start-up while stationary. The associated warning message reads "<b>Loss of Drive.</b>" Diagnostic Trouble Code (DTC) <b>P0A1B-00</b> is logged in the <b>Electric Power Inverter Converter (EPIC)</b> module. This DTC is triggered during the EPIC's initialization phase.</p> <p>Although performing a full vehicle sleep cycle clears the fault condition, the DTC remains stored in the EPIC. No further symptoms are observed by the customer following the sleep cycle.</p> <p><b>Issue:</b></p> <p>Software error within the EPIC module.</p> <p><b>Action:</b></p> <p>Refer to the Service Information below.</p> <p><b>Service Information:</b></p> <p>If DTC P0A1B-00 is stored in the Gen 4 PHEV EPIC, retailers must perform the Electric Power Inverter Converter Health Check via the Workflow/Diagnostic Test.</p> <p>To assist in clearing the fault condition, carry out five full vehicle sleep cycles using the following procedure:</p>

1. Switch the ignition OFF.
2. Close all doors, tailgate, and hood.
3. Ensure all keys are more than 3 meters away from the vehicle.
4. Lock the vehicle.
5. Monitor the hazard indicator – the backlight will turn off once the vehicle has fully shut down.

Note: Between each sleep cycle, open a door and switch the ignition ON, then OFF again before initiating the next cycle.

#### Post Sleep Cycle Actions

After completing the fifth sleep cycle:

- Clear all DTCs
- Read DTCs
- If DTC P0A1B-00 is no longer present, the vehicle may be released.
- If DTC P0A1B-00 remains and cannot be cleared, raise a Technical Assistance (TA) case to PTS\_120.

The Engineering team is currently developing a software update to resolve this concern.

(Ref 000397576 / 4491)

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