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| <b>Reference</b>     | SSM76451  |
| <b>Models</b>        | Defender / L663<br>New Range Rover / L460<br>New Range Rover Sport / L461   |
| <b>Title</b>         | 48V MHEV Battery Discharge Prevention During Extended Workshop Activity   |
| <b>Category</b>      | Driveability  |
| <b>Last modified</b> | 23-Apr-2026 14:11:00  |
| <b>Symptom</b>       | 603300 No Start   |
| <b>Content</b>       | <p><u>Model / Model Year / Derivative</u></p> <p>Range Rover / 24MY / NC11 MHEV only<br/>Range Rover Sport / 24MY / NC11 MHEV only<br/>Range Rover / 25 MY onwards / AJ20P6 / AJ20D6 / NC11 MHEV only<br/>Range Rover Sport / 25MY onwards / AJ20P6 / AJ20D6 / NC11 MHEV only<br/>Defender / 25MY onwards / OCTA / NC11 MHEV only</p> <p><u>Situation:</u></p> <p>JLR Engineering investigations have identified that during prolonged retailer activity, where vehicles are supported by a 12V Battery Support Unit (BSU) and repeatedly interacted with while the engine is not running, the 48V battery may, in the absence of intervention, discharge to a non-recoverable state.</p> <p><u>Action:</u></p> <p>Refer to the Service Information below.</p> <p><u>Service Information:</u></p> <p>Connect the JLR-approved Battery Support Unit and JLR approved diagnostic equipment.</p> |

1. Make sure vehicle communication is established and a Network Integrity Test (NIT) has been completed.
2. From the module list, select Battery Energy Control Module (BECM) - Hybrid Battery Discharge Prevention - Enable / Disable
3. Complete the routine to isolate the 48V battery (fuse pull), follow all on-screen guidance, before extended workshop or showroom activity.
4. Once all work on the vehicle is complete:
  - Re-run the routine to re-enable the system (replace fuse).
  - Start and run the vehicle to allow the 48V battery to recharge correctly.

(Ref 000382524 / 9129)

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