

# Preview Solution CBR-2393-2

## Battery Electric Vehicle (BEV) Faults When Charging

Published 5 September 2024

Valid for Mack and Volvo battery electric vehicles model years 2021 to current

Delays in the deactivation of the main relay after key-off may cause an electrical malfunction when the charge cable is connected prematurely, potentially disabling the traction system.

### Description:

When the main relay takes time to deactivate after the key is turned off, plugging the charge cable into the truck before the power relay disengages can trigger an "Electrical Malfunction" warning on the dashboard. Additionally, this may prevent the traction system from activating.

#### 1. View DTC information (Step 1 of 3)

Refresh Clear... Filter

DTC List (15 items)
Product time: 8/21/2024, 7:18:29 PM Engine hours: 40.814 Readout time: 8/21/2024, 3:24:49 P

Control Unit	DTC Instance	Status	Count	First occurrence	Last occurrence
Energy Storage Control Module (ESCM)	P10919E: Hybrid/EV Battery Pack "A" DC/DC Converter, Stuck On	Active	1	8/21/2024, 3:09:31 PM	8/21/2024, 3:13:53 PM
Energy Storage Control Module (ESCM)	P10929E: Hybrid/EV Battery Pack "B" DC/DC Converter, Stuck On	Active	1	8/21/2024, 3:09:31 PM	8/21/2024, 3:13:53 PM
Energy Storage Control Module (ESCM)	P10939E: Hybrid/EV Battery Pack "C" DC/DC Converter, Stuck On	Active	1	8/21/2024, 3:09:31 PM	8/21/2024, 3:13:53 PM
Energy Storage Control Module (ESCM)	P10949E: Hybrid/EV Battery Pack "D" DC/DC Converter, Stuck On	Active	1	8/21/2024, 3:09:31 PM	8/21/2024, 3:13:53 PM
Energy Storage Control Module (ESCM)	U01A000: Lost Communication with Hybrid/EV Battery Interface Control	Inactive	1	8/21/2024, 3:09:37 PM	8/21/2024, 3:09:26 PM

Electro Hydraulic Power Steering 1

Detailed status information

1. View DTC information
Continue >

assis ID: M100 1023 VIN: 1M2LRDGC7NM001023 Work Order: 1023a Product Onli

### Action Required:

If this occurs, the technician must:

1. Clear the fault codes.
2. Power cycle the truck.

### Important Note:

Before connecting the charger cable, ensure that the main power relay has fully disengaged. Listen for the distinct "click" of the power relay before proceeding.

## Related links and attachments

No links or attachments available



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