

 Preview Solution CBR-2470-1

Battery Electric Vehicle (BEV) - DTC P109D8A Following Energy Storage Control Module (ESCM) Software Update

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Valid For

Mack Chassis - LRe

Volvo Chassis - VNRe

Model Years - All

1.0 Overview

When updating the **Energy Storage Control Module (ESCM) software**, the truck may display **fault code P109D8A – Battery Management Units (BMU), Authentication Failure**.

2.0 Fault Details

2.1 Fault Code: P109D8A

2.2 Fault Description: Battery Management Units (BMU), Authentication Failure

2.3 Condition:

- Fault becomes active after ESCM software update.

2.4 Cause:

- Post-update authentication mismatch between ESCM and BMU.

2.5 Impact:

- No performance degradation
- No impact to driveability
- Vehicle can be safely released with this fault active

3.0 Corrective Action

3.1 Required Procedure:

To clear the fault and align the modules, perform subnode programming on the BMU using the following details:

- **Programming Routine ID:** 3681-22-03-01
- **Target Module:** Battery Management Unit (BMU)

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3681-22-03-01 Program Battery Management Unit (BMU)

 Simulation

Information >> Conditions >> Execution

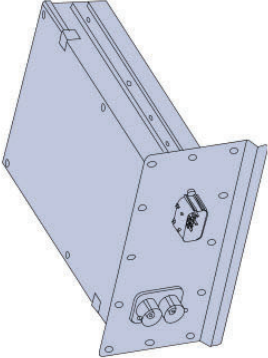
Purpose

Program Battery Management Unit (BMU)

Description

ESCM determines which subnodes require software update and programs them with software stored in its memory

 **Note:** Before starting this operation ensure that the latest software is installed in ESCM



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3681-22-03-01 Program Battery Management Unit (BMU)

 Simulation

Information >> Conditions >> Execution

Information

The following subnodes will be programmed

- Traction battery "A"

Programming of each subnode will take around 6 minutes

Action

Start the programming

Start the programming



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