



Technical Service Bulletin

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PACCAR™ Engine Auto-Start/Stop System Does Not Automatically Restart	

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Warranty Statement

The information in this document has no effect on present warranty coverage or repair practices, nor does it authorize TRP or Campaign actions.

Contents

Engines:

- X15 CM2450 X124B
- X15 CM2450 X134B

Original Equipment Manufacturer (OEM)

- PACCAR™

Issue

Symptom:

- On trucks equipped with engine auto-start/stop system, the engine will **not** automatically restart to maintain cabin temperature, battery charge, oil temperature, etc.

Root Cause:

- An issue with the engine ECM calibration code causes the engine auto-start/stop system to **not** operate as intended. Incorrect settings in Features and Parameters may also prevent the feature from working properly.

Verification

Customer complains of Engine auto-start/stop feature **not** working properly. Operator may have an “Operator Manual Supplement” included with their Operator’s Manual pack for this system. Follow OEM operating instructions to confirm operation if needed.

Resolution

First, the parameter settings in the ECM will have to be verified. These are dependent on the type of electrical system architecture of which there are two types, CVMUX and VMUX. This document **only** applies to CVMUX type electrical system architecture.

- Verify the type of electrical system architecture
 - CVMUX units will have physical gauges in the instrument panel.
 - VMUX units will have a fully digital instrument panel.

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Figure 1, CVMUX Physical Gauges in Instrument Panel.

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Figure 2, VMUX Digital Instrument Panel.

- Connect to ECM with the Cummins® electronic service tool or equivalent.
- Set up features and parameters (CVMUX type **only**):
 - Under “Idle Shutdown” header, set the “Battery Pack State of Charge Override” to “Disable”.
 - Under “SAE J1939 Multiplexing” header, set the “Idle Shutdown Battery Pack Charge Sensor” to “Disable”.

Next, Cummins Inc. has released calibrations to correctly support engine auto-start/stop feature. Complete the following steps:

- Remain connected to ECM with the Cummins® electronic service tool or equivalent.
- Confirm existing ECM calibration code revision and check against ECM Calibration Revision History in QuickServe® Online (QSOL).
- If needed, update the ECM calibration code to a revision (or higher) stating “Fixes Auto-Start **not** operational issue on equipped PACCAR™ Vehicles”

Finally, follow OEM instructions on operating the engine auto-start/stop feature and verify for proper operation and/or return unit to customer.

Document History

Date	Details
2021-6-21	Module Created

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