



Countries: CANADA, UNITED STATES **Document ID:** IK2600236
Availability: ISIS, FleetSIS, IsSIR **Revision:** 2
Major System: PROGRAMMING SUPPORT **Created:** 5/9/2018
Current Language: English **Last Modified:** 6/12/2018
Other Languages: NONE **Author:** Charles Schroeder
Viewed: 371

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Coding Information

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Title: Cummins ECM Programming Procedure for LT, HV, MV

Applies To: Cummins equipped LT, HV, MV

Change Log

Please refer to the change log text box below for recent changes to this article:

06/12/2018 - Door pod software is available to correct the issue. Updated repair steps to reflect this. 05/10/2018 - Added additional detail stating this does not affect a parameter only change. Added image for fuse panel location. 05/09/2018 - Initial Article Release.

Description

When updating the calibraion in a Cummins ECM through the vehicle 9-pin diagnostic connector on LT, HV or MV the vehicle door pods will need to be disabled to ensure proper programming of the calibration and parameters occurs. If the procedure is not properly followed, the programming event will not properly complete.

- ECM Calibration update will be successful.
- Restore of ECM parameters will fail.

NOTE:

This does not apply to setting or changing a parameter only, such as maximum vehicle speed, when the ECM calibration is not changed.

Symptoms

Diagnostic Trouble Codes & Dashboard Indicator Lights:

DTC/Light	Description
No Faults or Warning Lights	

Customer Observations or Concerns:

Special Tools / Software

Tool Description	Tool Number	Comments	Instructions
Cummins INSITE		EZ-Tech Software	

Service Parts Information

Kit Description	Part Number	Quantity Required	Notes
Not Applicable			

Diagnostic Steps

Not Applicable

Repair Step(s)

An interaction between the Engine ECM and Vehicle Door Pods requires the door pods to be disabled during the ECM calibration update.

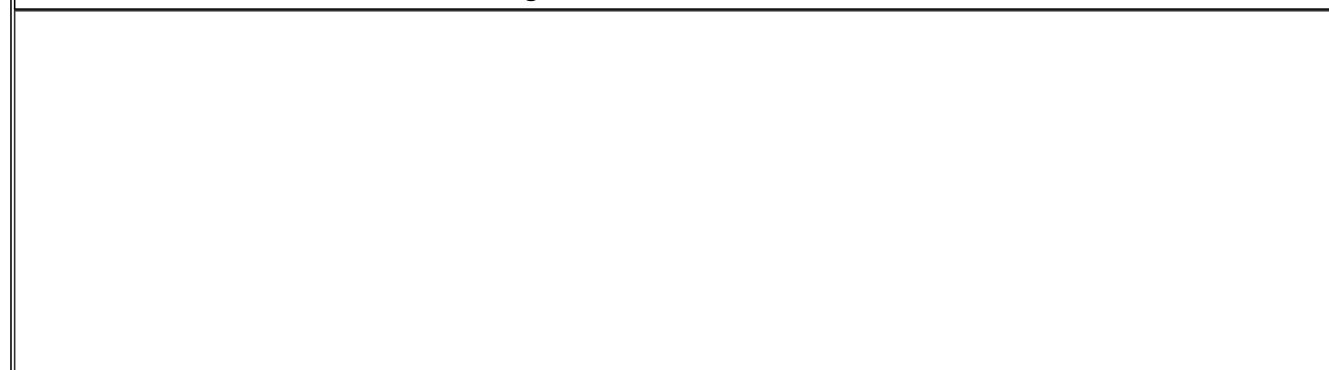
Door Pod software has been released to correct this issue.

- [Follow IK0800550 - Multi Module Programming Information for In-Cab Modules](#) to update all door pods to software 2.00
 - Shown as Kernel 200 in Diamond Logic Builder
- Programming the door pods must be completed prior to programming the Cummins ECM

Alternative method (no longer recommended):

1. Remove the fuse panel cover located at the top of the dash on the passenger side of the vehicle.
2. Reference the fuse panel graphic and locate the fuse locations for **Driver Side Window/Door/Mirror** and **Passenger Side Window/Door**
3. Remove both fuses
4. Connect the the ECM using the vehicle 9-pin diagnostic connector
5. Update the ECM calibration with INSITE
6. Once all programming is complete disconnect the service tool from the vehicle 9-pin diagnostic connector
7. Re-install fuses for Driver Side Window/Door/Mirror and Passenger Side Window/Door

Figure 1 - Fuse Panel Location





1. Fuse Panel Cover

Warranty Information

Warranty Claim Coding:

Refer to the [Warranty Coding Manual](#) for Group and Noun Codes.

Standard Repair Time(s):

Refer to the [SRT Manual](#) for Repair Times

Other Resources

[Master Service Information Site](#)

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Feedback Information

Viewed: 370
 Helpful: 6
 Not Helpful: 1

Staff ID	Client ID	Comments	Created Date
	DYYRDW1	You received the following feedback From: dyyrdw1 - Dennis Whitaker Email Address: dennis.whitaker@summittruckgroup.com Job Classification: SE008, Service Technician Dealer: SUMMIT TRUCK GROUP Feedback: When you program a Cummins you plug into the J1939 connector in the engine compartment. You do not go through the cab connector. This way there is no need to do all this unplugging. If the tech does not know this then he is not Cummins certified and should not be working on the truck.	6/13/2018 6:05:26 AM
	DY08955	You received the following feedback From: dy08955 - David Gabrielle Email Address: gabe396@aol.com Job Classification: SE008, Service Technician Dealer: TRUCK KING INTL IDEALEAS Feedback: I have been using the older programming harness with no issues. Remove the ECM fuse, plug in the programming harness and program using the USB link com adapter through the 9-pin.	6/13/2018 8:14:30 AM