



Countries: CANADA, UNITED STATES **Document ID:** IK0800501
Availability: ISIS, Bus ISIS, Fleet/ISIS **Revision:** 0
Major System: ELECTRICAL SYSTEM **Created:** 8/28/2014
Current Language: English **Last Modified:** 9/8/2014
Other Languages: NONE **Author:** Charles Schroeder
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Coding Information

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Title: Cummins ISB with 15 gallon DEF Tank wiring schematic

Applies To: Cummins ISB with 15 gallon DEF Tank

Change Log

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09/02/2014 - Initial Article Release

Description

- Wiring and Parameter information for any unit equipped with a Cummins ISB and a 15 gallon DEF tank.
- This only applies to the 15 gallon DEF tank with a 5 wire connector.
- Feature Code 0015WDL

Symptom(s)

Diagnostic Trouble Code(s) & Dashboard Indicator Light(s):

DTC	Module	Description	Lamp
285	Cummins ECM	SAE J1939 Multiplexing PGN Timeout Error - Abnormal Update Rate	AWL

Customer Complaint(s):

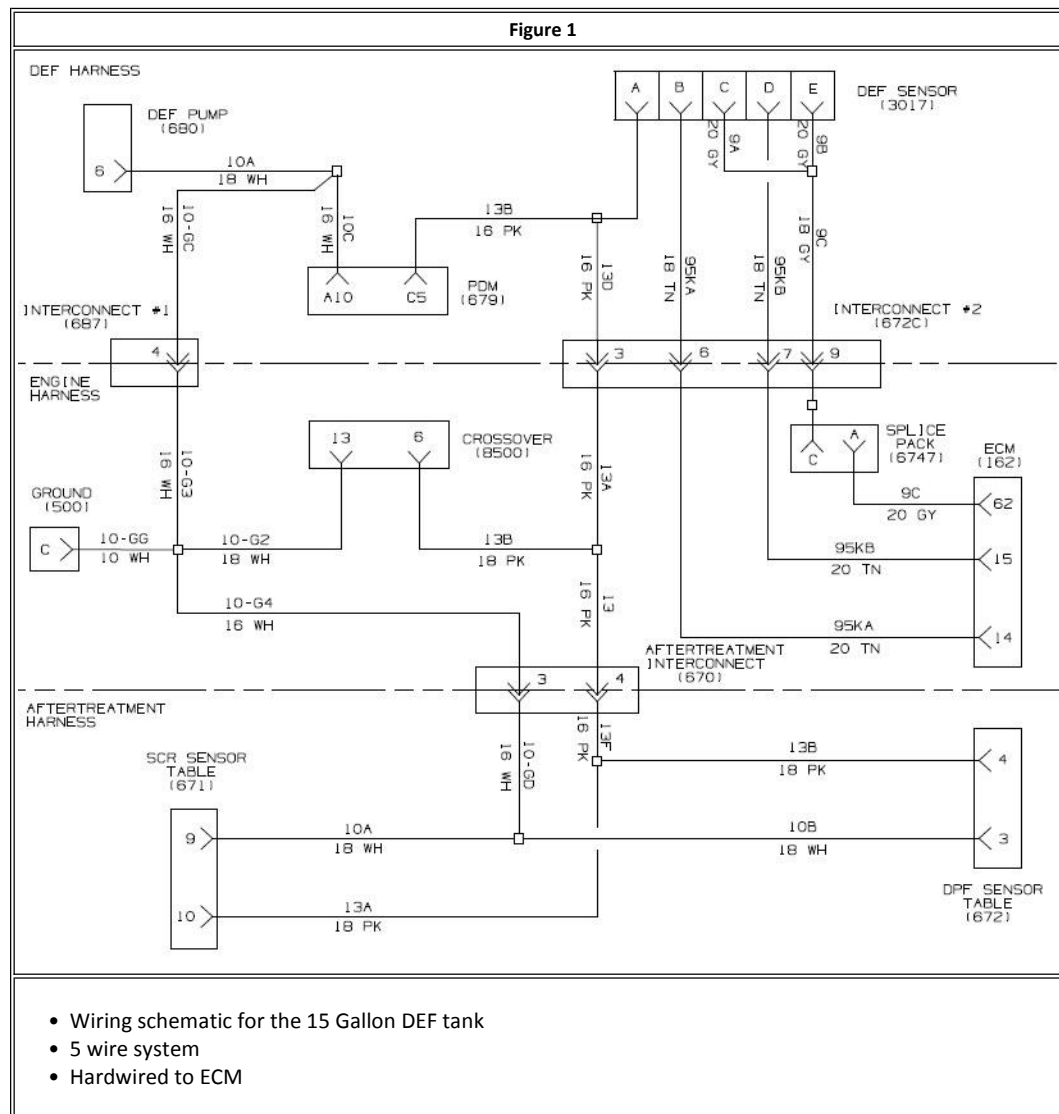
- Possible No-Start

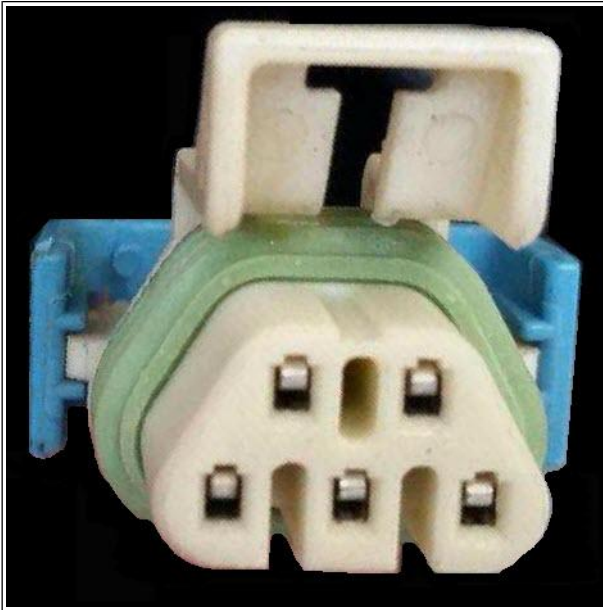
Special Tool(s) or Software

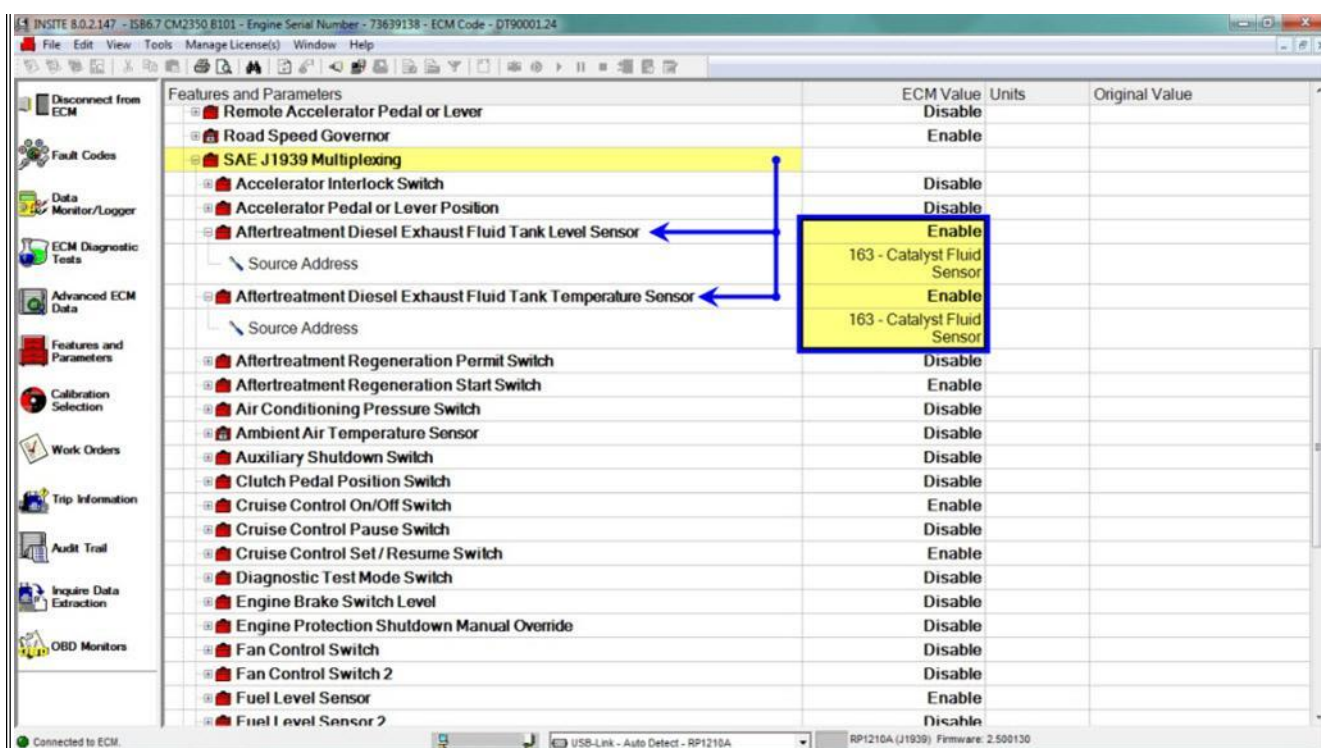
Tool Description	Tool Number	Comments
Cummins INSITE™		EZ-Tech Software

Diagnostic Step(s)

Step	Action	Decision
1	• Connect to the ECM with Cummins INSITE™ • Check the SAE J1939 Multiplexing parameters for "Aftertreatment Diesel Exhaust Fluid Tank Level Sensor" and "Aftertreatment Diesel Exhaust Fluid Tank Temperature Sensor" Are both parameters set to "Disable"?	Yes: Troubleshoot as needed. Refer to the wiring schematic and information in Figure 1, Figure 2 and Figure 3
		No: Disable both parameters and program the ECM. See Figure 4 and Figure 5

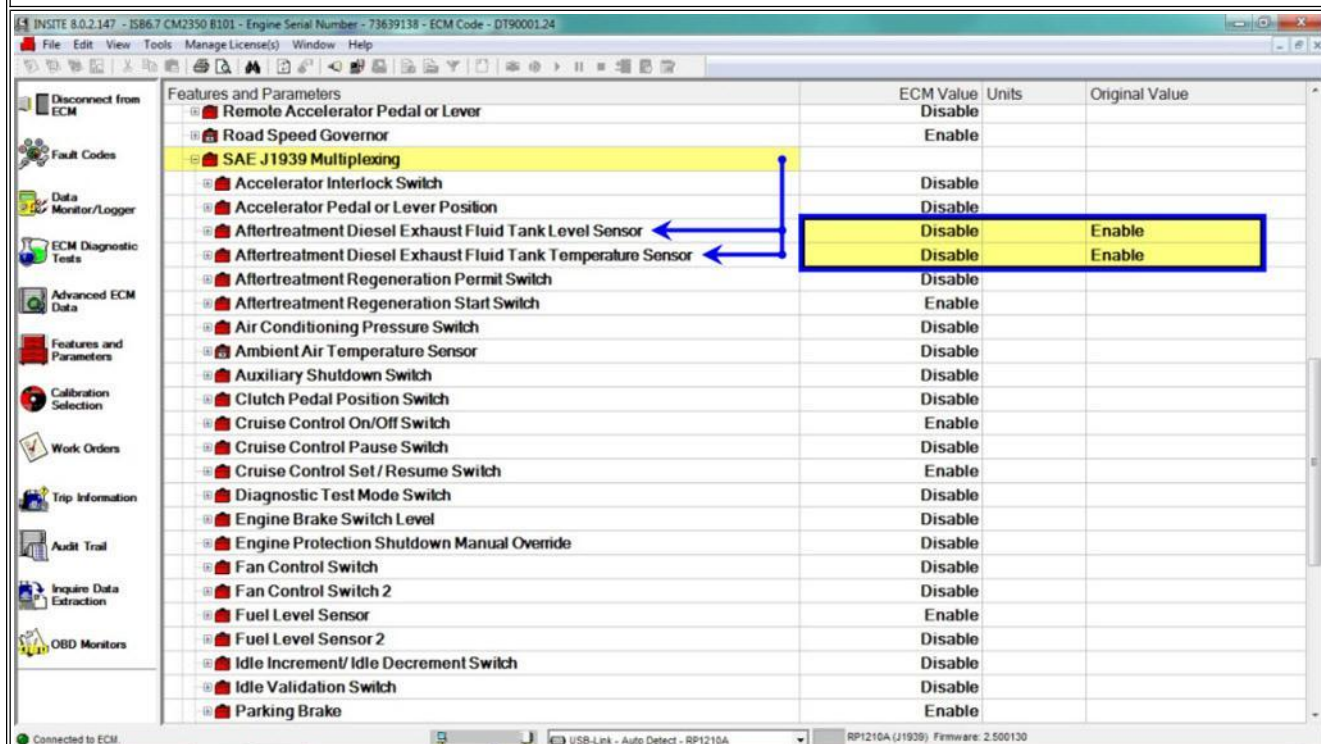
Repair Step(s)**Figure 2**

**Figure 3****Figure 4**



- Incorrect Parameters
- The highlighted parameters must be changed as shown in Figure 3

Figure 5



- Corrected parameters
- You must program the changes to the ECM

Warranty Information

Warranty Claim Coding:

Group:	12000 - Engines
Noun:	716 - Reprogram Engine - Calibration

Standard Repair Time(s):

Step	Description	SRT Link	Hours
1	Change Parameter	A12-T1	0.4

Other Resources

- [Cummins QuickServe® Online](#) - (Requires Login)

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