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Coding Information

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Title: Cummins ISB- ABS Light After ECM Reflash 639-2 (185)

Applies To: Vehicles with Cummins ISB 6.7 CM2350 B101

CHANGE LOG

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

01/21/2015 - Initial Article Release

DESCRIPTION

This document will guide the user through correcting the 185 - J1939 Network #1 - Data Erratic, Intermittent, or Incorrect fault.

When calibrating an Engine Control Module (ECM) on a unit equipped with a Bendix® EC-80™ electronic controller the Anti-Lock Brake System (ABS) fault lamp can be illuminated in error immediately after the new ECM calibration is installed. The ABS fault lamp illumination is caused by an interfacing issue with older versions of the INSITE™ electronic service tool and the Bendix® EC-80™ electronic controller.

The Engine Brake Control parameter by default is set to “enabled” in all standard ECM calibrations. Some Original Equipment Manufacturers (OEMs) may choose to disable this parameter, which highlights this interface issue. The Bendix EC-80™ controller will recognize the Engine Brake Control parameter as “enabled” before the INSITE™ electronic service tool save and restore function sets the Engine Brake Control parameter to “disabled”. As a result of the Bendix® EC-80™ controller not receiving the expected Engine Brake Control message over the datalink, the ABS fault lamp will illuminate.

SYMPTOM(s)

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

Cummins DTC	Navistar DTC	Description
185	SPN 639 FMI 2 (link to FCAP)	J1939 Network #1 - Data Erratic, Intermittent, or Incorrect fault

Customer Observations or Concerns:
MIL, ABS Fault Lamp

SPECIAL TOOL(s) / SOFTWARE

Tool Description	Tool Number	Comments	Instructions

Cummins INSITE	Version 8.0.0 and later	Electronic Service Tool	Refer to QSOL
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SERVICE PARTS INFORMATION

N/A

DIAGNOSTIC STEP(s)

Check for fault codes after ECM recalibration

Step	Action	Decision
1	VERIFY CONCERN: Reference electronic service tool to read the fault codes. Check for fault codes 639-2 (185). Is the listed fault code active or inactive?	Yes: Go to Step 2.
		No: Exit this article and return to appropriate Fault Code Action Plan (FCAP) to continue troubleshooting fault codes.

Step	Action	Decision
2	VERIFY CONCERN: Due to recent changes to the Bendix® EC-80™ controller, 639-2 (185) may come active after ECM recalibration. Did the fault code become active after an ECM recalibration?	Yes: Follow the instructions below in the <i>Repair Steps</i> section.
		No: Exit this article and return to appropriate Fault Code Action Plan (FCAP) to continue troubleshooting fault codes.

REPAIR STEP(s)

For repair actions, refer to **TSB 150073** located on Cummins Quickserv Online

[QSOL link](#)

WARRANTY INFORMATION

The information in this document has no effect on Navistar's present warranty coverage or repair practices, nor does it authorize campaign actions. See **TSB 150073** on QSOL for further warranty guidelines.

[QSOL link](#)

OTHER RESOURCES

[Cummins Quickservice Online](#)

[Master Service Information Site](#)

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