



Countries:	CANADA, UNITED STATES, PUERTO RICO	Document ID:	IK0800469
Availability:	ISIS, FleetISIS	Revision:	2
Major System:	ELECTRICAL SYSTEM	Created:	11/25/2013
Current Language:	English	Last Modified:	12/10/2013
Other Languages:	NONE	Author:	Will (Mark) Wiley
Viewed:	182		

[Less Info](#)

Hide Details

Coding Information

Copy Link	Copy Relative Link	Bookmark	Add to Favorites	Print	Provide Feedback	Helpful	Not Helpful
		 View My Bookmarks				 6	 0

Title: Cummins SCR 9900i/PayStar 286 Fault

Applies To: 9900i/PayStar with Cummins ISX 15L

DESCRIPTION

Cummins ISX 15L SCR engines require fuel level information. The fuel level sender (sensor) is wired to the cluster on PayStar and 9900 as an analog input. The cluster broadcasts fuel level information via J1939 on the public CAN bus, the engine ECM parameters are setup to receive that info from the cluster via J1939.

TRIAGE

When did the light come on?
Is the engine running poorly?
Did the light come on after refueling the truck?
Are there any other symptoms?

SYMPTOMS

MIL Light on with fault code 286 in Cummins ECM

DTCs

Code	Description

Fault Code: 286
PID: S231
SPN: 639
FMI: 13/13
LAMP: Amber

SAE J1939 Multiplexing Configuration Error - Out of Calibration. The ECM expected information from a multiplexed device but only received a portion of the necessary information.

Diagnostics

Currently there is a known software issue with the cluster, when the fuel tank is full the cluster may send an error message to the Cummins ECM that can cause fault code 286.

To eliminate this condition a cluster software update is required. **The software is currently under development, this iKNow article will be updated with the expected release date when available. Do NOT replace the cluster or the ECM for this issue.**

If fault 286 sets when the fuel tank is not full, perform the following:

1) Verify that the following parameter is enabled in the ECM: Under SAE J1939 Multiplexing - Fuel Level Sensor **MUST BE ENABLED**, with the source address set to 23 - Gauge Cluster, and Fuel Level Sensor 2 is disabled.

2) Troubleshoot the fuel sending unit circuit. For the most current fuel sending unit wiring diagram [CLICK HERE](#).



Hide Details

Feedback Information

Viewed: 181

Helpful: 6

Not Helpful: 0

No Feedback Found