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Coding Information

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Title: SPN 639 FMI 14 J1939 Data Link Error

Applies To: EPA 2013+ OBD MaxxForce DT/9/10

CHANGE LOG

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12/4/2014: Create new article

DESCRIPTION

This document will troubleshoot fault code **639/14** on 2013 emission OBD DT/9/10 engines. This fault will set when a new 2 pin fuel pump (original pump is 5 pins and new pump is 2 pin - Figure 1) is installed without the proper engine control module(ECM) calibration. If the calibration reads P__EGR3 or newer, please follow the diagnostic manual for a J1939 issue. If the calibration does not read P__EGR3 or newer, please update the calibration via NETs. This is a two trip fault, that will illuminate the OBD lamp.

Note: If the calibration is not up to date, please update calibration immediately

SPN	FMI	ServiceMaxx Description
639	14	J1939 Data Link Error

2 PIN Picture



5PIN Picture



The following steps should be used for troubleshooting this fault code:

Step	Action - Calibration Status	Decision
#1	<p>DIAGNOSTIC:</p> <p>Verify that the engine calibration is up to date. At a minimum the unit must be programmed with EGR3. If the calibration is not up to date then program unit to the latest cal via NETs. Then test drive unit to verify if the fault returns.</p> <p>Does the 639/14 fault return?</p> <p>NOTE: 2013 emissions OBD calibration P__EGR3.</p>	Yes. Continue to step 2
		No. If fault does not set then return unit to customer

Step	Action - Diagnostic Manual	Decision
#2	<p>DIAGNOSTIC:</p> <p>Follow the engine <u>Diagnostic Manual</u> for fault code 639/14 if calibration is up to date. Once an issue has been found and corrected then unit may be returned to customer.</p> <p>Is issue still present?</p>	Yes. Consult with service management for next step.
		No. Release the unit to the customer

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WARRANTY INFORMATION

Standard Repair Time(s):

12 - ELECTRONIC CONTROL MODULE (ECM OR ECM/IDM) - ENGINE, PROGRAM			
Hours	Code	Model	Engine
0.4	A12-3510T	Models, ALL	All Engines

Warranty Claim Coding:

Group	Noun
12000	716

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