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Coding Information

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Title: Pre 2010 MaxxForce® 11 and 13 Experiencing Low Power After Programming the ECM.

Applies To: Pre 2010 MaxxForce® 11 and 13

DESCRIPTION

Pre 2010 MaxxForce® 11 and 13 Experiencing Low Power After Programming the ECM, 2010+ IBB will always show 0000 for the EFRC

SYMPTOMS

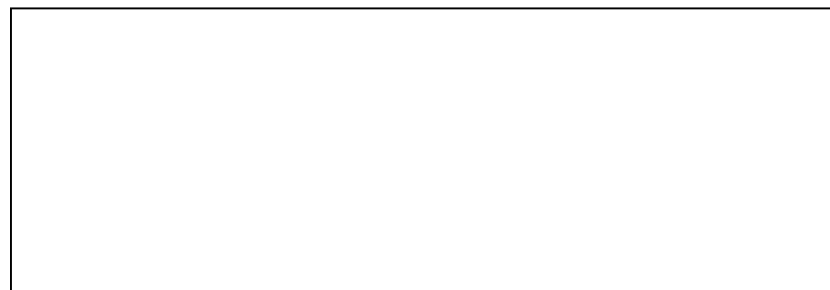
- Low power or surge in high gear after programming

TROUBLESHOOTING

- 1) Connect to the truck with ServiceMaxx and verify the EDC Engine Family Rating Code matches the third digit in the Engine Family Rating Code (EFRC). Figure 1 for example:

Engine Family Rating Code (EFRC) **1121**

EDC Engine Family Rating Code **2**



ServiceMaxx - Default

File View Sessions Tests Procedures Tools Help

Sessions: Default Parameters Signals Stop Tests

Instructions

Default ☒ Lock

Vehicle Identification: Verify Information matches your vehicle. If your vehicle does not show up in this session, select it from the File / Select engine drop down menu.

Vehicle Information

Engine Type:	MaxxForce 11/13 (2008 - 2009)
Software Identification/EIM Software:	OBXXELMA
ECM Cal:	QAZZDDMA
ACM Cal:	OCXXFBMA
Engine Family Rating Code:	1121
<u>EDC Engine Family Rating Code:</u>	<u>2.00</u>
Vehicle Identification Number:	2HSCU5JR59C123137
Engine Serial Number:	124HM2D4000799
EIM Customer Unit Number:	0000000000
Transmission Type:	Manual
Rated Horse Power:	430.00 hp
Total Miles:	97,815.75 miles
Total Fuel Used:	610.95 gal
Total Engine Hours:	2,312.65 hr

Figure 1 - Programmed correctly

2) See the example below in Figure 2 for a ECM that **Did Not Program Correctly:**

Engine Family Rating Code (EFRC) 1121

EDC Engine Family Rating Code 0

ServiceMaxx - Default

File View Sessions Tests Procedures Tools Help

Sessions: Default Parameters Signals Stop Tests

Instructions

Default ☒ Lock

Vehicle Identification: Verify Information matches your vehicle. If your vehicle does not show up in this session, select it from the File / Select engine drop down menu.

Vehicle Information

Engine Type:	MaxxForce 11/13 (2008 - 2009)
Software Identification/EIM Software:	OBXXELMA
ECM Cal:	OAZZDDMA
ACM Cal:	OCXXFBMA
Engine Family Rating Code:	1121
EDC Engine Family Rating Code:	0.00
Vehicle Identification Number:	2H5CU5JR59C123137
Engine Serial Number:	124HM2D4000799
EIM Customer Unit Number:	0000000000
Transmission Type:	Manual
Rated Horse Power:	430.00 hp
Total Miles:	97,815.75 miles
Total Fuel Used:	610.95 gal
Total Engine Hours:	2,312.65 hr

Figure 2- NOT programmed correctly.

Note: There are multiple EFRC configurations, but the third digit must always match the EDC EFRC.

RESOLUTION

After updating the ECM check the EDC and EFRC numbers to see if they match as stated previously.

If they do not match, program the EIM and ECM as a blank module and recheck. If they continue not to match open a case file with Tech Central and reference this IKNOW document.

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