



Countries: CANADA, UNITED STATES, MEXICO, PUERTO RICO
Availability: ISIS, IsSIR
Major System: ENGINES
Current Language: English
Other Languages: NONE
Viewed: 7386

Document ID: IK1201241
Revision: 8
Created: 11/19/2014
Last Modified: 11/2/2016
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Coding Information

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Title: ECM Calibration for DPF Replacement

Applies To: 2007- 2009 MaxxForce DT/9/10, 2010-2015 Maxxforce DT/9/10, 2007-2009 Maxxforce V8

CHANGE LOG

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

12/15/2014 - Initial Article Release
 5/24/2016 - Part Number Edits reflecting DPF inventory
 6/23/16 - Modified part numbers per inventory quantities
 10/11/2016 - Added note advising not to use V8 DPF on I6 engines
 11/2/2016- Corrected DPF part number error

DESCRIPTION

This document will guide the user through programming of the ECM to ensure the calibration correlates with the Diesel Particulate Filter (DPF) type. This document is only to be followed after diagnostics and/or Tech Services have determined a replacement DPF is needed.

SERVICE PARTS INFORMATION

Use for ordering RENEWED DPF for 2007-2009 I6 and V8 engines:

Table 1

DPF Description	Original Production DPF PN	RENEWED Replacement DPF PN	Qty.	ECM Calibration
CONVERTER HV BOC DPF FLANGE TO RING	2594363C91	5010838R91	1	Not Required - DPF sizing is the same as original

Use for ordering NEW DPF for 2007-2009 I6 engines:

(Do not install V8 DPFs on I6 engines. The DPF substrate is different and may cause issues if used on the incorrect engine).

Table 2

DPF Description	Production or Current DPF PN	Replacement DPF PN	Qty.	Additionally needed	ECM Calibration
10 Inch DPF ASM FLANGE TO FLANGE	New- 2593981C91	New- 2611630C91	1	2593998C1 FLNG Gasket (1) 2593986C1 FLNG Gasket (1) 2603207C1 Band Clamp (1)	Required - Refer to table in Repair Steps
	Reman- 5010836R91	Reman- 5010852R1			
DPF, 12x10 RING TO RING	New- 2594131C91	New- 2612521C91	1	2594129C1 Gasket(2) 2594128C1 Clamp (2)	Required - Refer to table in Repair Steps
	Reman- 5010832R91	Reman- 5010853R1			

Use for ordering NEW DPF for 2007-2009 V8 engines:

Table 3

DPF Description	Production or Current DPF PN	Replacement DPF PN	New 2010 Replacement DPF PN	ECM Calibration
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10 Inch DPF ASM FLANGE TO FLANGE	New- 2593981C91	2514283C91	2604873C91	Required- See repair steps below for information
	Reman- 5010836R91		5010847R1	Required- See repair steps below for information
DPF, 12x10 RING TO RING	New- 2594131C91	2514283C91	2605837C1	Required- See repair steps below for information
	Reman- 5010832R91		5010850R1	Required- See repair steps below for information

REPAIR STEP(s)

For I6 Engines:

If replacing DPF with a NEW part (Table 2), start a Programming Support case file with current ECM calibration identified in the case description.
If replacing DPF with a RENEWED part, no programming is required, as the DPF sizing will be the same.

The DPF size "identifier" is the third letter in the calibration name:

Engine	Current Calibration	Updated Calibration
2007-2009	G or K	H or M
2010-2012	L or R	R

For example:

ECM Calibration for Production DPF (discontinued)	ECM Calibration for Service DPF (current)
P_G_SKR2	P_H_SMR0
P_K_SKR2	P_M_SMR0

For V8 Engines:

Calibration

Year	Current Calibration	Updated Calibration to be used with 2010 DPF
2007-2009	PRD2SGx4	PRD2SGx 5

Programming Instructions:

[IK2600010](#)- **NETS Programming and Troubleshooting Guide**

If there are any issues programming, start a Programming Tech Service case file

WARRANTY INFORMATION

Warranty Claim Coding:

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

- Link to the Coding Manual: [Click Here](#)

Standard Repair Time(s):

Step	Description	Chassis	Engine	SRT	Hours
	ELECTRONIC CONTROL MODULE (ECM OR ECM/IDM) - ENGINE, PROGRAM	ALL	DT/9/10	A12-3510K	Click Here
	ELECTRONIC CONTROL MODULE (ECM OR ECM/IDM) - ENGINE, PROGRAM	ALL	DT/9/10 2010 Emissions	A12-3510T	
	ELECTRONIC CONTROL MODULE (ECM OR ECM/IDM) - ENGINE, PROGRAM	ALL	MaxxForce 7	A12-3510J	

- Link to the Standard Repair Time Manual: [Click Here](#)

OTHER RESOURCES

[Master Service Information Site](#)

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U01E402		You received the following feedback From: U01E402 - Ryan Hendrickson Email Address: SMTP:{Ryan.Hendrickson@Navistar.com}Ryan.Hendrickson@Navistar.com Feedback: Good afternoon. Can you change the statement "If replacing DPF with a RENEWED part, no programming is required, as the DPF sizing with be the same." as it is false. There is still a chance that a unit may have been built with a 12x12 DPF and then be changed to a 12x10 DPF when it gets a reman part. Either are still just fine to put on the unit but the ECM cal needs to match it. Please see email with my cheat sheet for p/n on the 2010s.	11/23/2016 2:27:02 PM

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