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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:

2/15/2014 - Initial Article Release
 5/24/2016 - Part Number Edits reflecting DPF inventory
 6/23/2016 - 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 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 1			
Part Being Replaced	Replacement Options	Additionally Needed	ECM Calibration
2594363C91 →	Reman Part- 5010838R91	N/A	Not Required - DPF sizing is the same as original
2593981C91 →	Reman Part- 5010836R91	N/A	Not Required - DPF sizing is the same as original
2594131C91 →	New Part- 2612521C91	2593998C1 FLNG Gasket (1)	Required. Refer to Table in Repair Steps
	Reman Part- 5010853R1	2593986C1 FLNG Gasket (1)	
5010832R91 →	New Part- 2612521C91	2603207C1 Band Clamp (1)	
	Reman Part- 5010853R1	2593998C1 FLNG Gasket (1)	
		2593986C1 FLNG Gasket (1)	
		2603207C1 Band Clamp (1)	

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

Table 2

Part Being Replaced	Replacement Options	ECM Calibration
2593981C91 →	Reman Part- 5010847R1	Required. Refer to Table in Repair Steps
	New 2010 Style Replacement- 2604873C91	
5010836R91 →	Reman Part- 5010847R1	
	New 2010 Style Replacement- 2604873C91	
2594131C91 →	Reman Part- 5010850R1	
	New 2010 Style Replacement- 2605837C1	
5010832R91 →	Reman Part- 5010850R1	
	New 2010 Style Replacement- 2605837C1	

REPAIR STEP(s)

For I6 Engines:

If replacing DPF that requires an ECM Calibration, start a Programming Support case file with current ECM calibration identified in the case description.

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:

Year	Current Calibration	Updated Calibration to be used with 2010 DPF
2007-2009	PRD2SGx 4	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
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	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](#)

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