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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  
 6/23/16 - Modified part numbers per inventory quantities  
 10/11/2016 - Added note advising not to use V8 DPF on I6 engines

## 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	<b>Not Required</b> - 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)	<b>Required</b> - 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)	<b>Required</b> - Refer to table in Repair Steps
	Reman- 501832R91	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	<b>Required-</b> See repair steps below for information
	Reman- 5010836R91		5010847R1	<b>Required-</b> See repair steps below for information
DPF, 12x10 RING TO RING	New- 2594131C91	2514283C91	2605837C1	<b>Required-</b> See repair steps below for information
	Reman- 5010832R91		5010850R1	<b>Required-</b> 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 <b>5</b>

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:**

<b>Group:</b>	12000- Engines
<b>Noun:</b>	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	<a href="#">A12-3510K</a>	
	ELECTRONIC CONTROL MODULE (ECM OR ECM/IDM) - ENGINE, PROGRAM	ALL	DT/9/10 2010 Emissions	<a href="#">A12-3510T</a>	<a href="#">Click Here</a>
	ELECTRONIC CONTROL MODULE (ECM OR ECM/IDM) - ENGINE, PROGRAM	ALL	MaxxForce 7	<a href="#">A12-3510J</a>	

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

## **OTHER RESOURCES**

[Master Service Information Site](#)

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