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Author: Michael Sokolowski

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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

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
10 Inch DPF ASM FLANGE TO FLANGE	2593981C91	5010836R91	1	Not Required - DPF sizing is the same as original
DPF, 12x10 RING TO RING	2594131C91	5010832R91	1	Not Required - DPF sizing is the same as original
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:

Table 2

DPF Description	Original Production DPF PN	New Replacement DPF PN – I6	Qty.	Additionally needed	ECM Calibration
10 Inch DPF ASM FLANGE TO FLANGE	2593981C91	2611630C91	1	2593998C1 FLNG Gasket (1) 2593986C1 FLNG Gasket (1) 2603207C1 Band Clamp (1)	Required - Refer to table in Repair Steps section
DPF, 12x10 RING TO RING	2594131C91	2612521C91	1	2594129C1 Gasket(2) 2594128C1 Clamp (2)	Required - Refer to table in Repair Steps section
CONVERTER HV BOC DPF FLANGE TO RING	2594363C91	2514351C91	1	2593998C1 FLNG Gasket (1) 2594129C1 Gasket(2) 2594128C1 Clamp (2) 3817114C1 Bolt (3)	Required - Refer to table in Repair Steps section

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

Table 3

DPF Description	Original Production DPF PN	New Replacement DPF PN – V8	Qty.	ECM Calibration
10 Inch DPF ASM FLANGE TO FLANGE	2593981C91	2514283C91	1	Not Required - DPF sizing is the same as original
DPF, 12x10 RING TO RING	2594131C91	2514284C91	1	Not Required - DPF sizing is the same as original
CONVERTER HV BOC DPF FLANGE TO RING	2594363C91	2514336C91	1	Not Required - DPF sizing is the same as original

DPF Description	Original Production DPF PN	Current Replacement DPF PN – V8	New 2010 Replacement DPF PN – V8	Qty.
10 Inch DPF ASM FLANGE TO FLANGE	2593981C91	2514283C91	2605837C1 *ECM Calibration Required - See repair steps below for information	1
DPF, 12x10 RING TO RING	2594131C91	2514284C91	2604873C91 *ECM Calibration Required - See repair steps below for information	1
CONVERTER HV BOC DPF FLANGE TO RING	2594363C91	2514336C91	2514788C91 *ECM Calibration Required - See repair steps below for information	1

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	PRD2SGx5

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	0.4

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

OTHER RESOURCES

[Master Service Information Site](#)

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