



Countries: CANADA, UNITED STATES, MEXICO, PUERTO RICO
Availability: ISIS, Bus ISIS, FleetISIS, IsSIR
Major System: ENGINES
Current Language: English
Other Languages: NONE
Viewed: 46104

Document ID: IK1201241
Revision: 27
Created: 11/19/2014
Last Modified: 2/7/2022
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Coding Information

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Title: ECM Calibration for DPF Replacement

Applies To: 2007- 2009 MaxxForce DT/9/10. 2010-2012 MaxxForce DT/9/10, 2007-2009 MaxxForce V8, 2008-2009 MaxxForce 11/13

CHANGE LOG

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

02/07/2022 - Added reman PN 5011143R91
12/04/2020 - Removed NETS reference, added NavKal
07/05/2019 - Added new calibraion 13L, Table
04/08/2019 - Added Table 4 for 2010-2012 I6 engine
03/18/2019 - Updated the DPF size "identifier" table under repair steps
01/24/2019 - Edited article coding
12/17/2018 - Update For MaxxForce 13 Engines (2008-2009) calibration is stili investigation
11/29/2018 - Channed MaxxForce 11 "L Indate to" calibration name from QCXXECMA to OCXXECME

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 Table 1 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
2593981C91 →	New Part- 2517331C91	2593986C1 (1) Gasket 2593998C1 (1) Gasket 2610171C1 (1) Clamp	Required. Refer to Table in Repair Steps
	Reman Part- 5011143R91		
5010836R91 →	New Part- 2517331C91	2593986C1 (1) Gasket 2593998C1 (1) Gasket 2610171C1 (1) Clamp	
	Reman Part- 5011143R91		
2594363C91 →	New Part- 2514351C91	2594129C1 (1) Gasket 2593998C1 (1) Gasket 2610171C1 (1) Clamp	
	No Reman Available		
5010838R91 →	New Part- 2514351C91	2594129C1 (1) Gasket 2593998C1 (1) Gasket 2610171C1 (1) Clamp	
	No Reman Available		
2594165C91 →	New Part- 2612521C91	2594129C1 (2) Gasket 2594128C1 (2) Clamp 2610171C1 (1) Band Clamp	
	Reman Part- 5010853R1		
5010830R91 →	New Part- 2612521C91	2594129C1 (2) Gasket 2594128C1 (2) Clamp 2610171C1 (1) Band Clamp	
	Reman Part- 5010853R1		
2594356C91 →	New Part- 2611630C91	2593986C1 (1) Gasket 2593998C1 (1) Gasket	
	Reman Part- 5010852R1		
5010834R91 →	New Part- 2611630C91	2593986C1 (1) Gasket 2593998C1 (1) Gasket	
	Reman Part- 5010852R1		
2594131C91 →	New Part- 2612521C91	2594129C1 (2) Gasket 2594128C1 (2) Clamp 2610171C1 (1) Band Clamp	
	Reman Part- 5010853R1		
5010832R91 →	New Part- 2612521C91	2594129C1 (2) Gasket 2594128C1(2) Clamp 2610171C1 (1) Band Clamp	
	Reman Part- 5010853R1		

Use Table 2 for ordering NEW DPF for 2007-2009 V8 engines:

Table 2		
Part Being Replaced	Replacement Options	ECM Calibration

2593981C91 →	New Part- 2604873C91	Required. Refer to Table in Repair Steps
	Reman Part- 5010847R1	
5010836R91 →	New Part- 2604873C91	
	Reman Part- 5010847R1	
2594131C91 →	New Part- 2605837C1	
	Reman Part- 5010850R1	
5010832R91 →	New Part- 2605837C1	
	Reman Part- 5010850R1	
2594363C91 →	New Part- 2514788C91	
	No Reman Available	

Use Table 3 for ordering a new DPF for 2008-2009 MaxxForce 11 & 13 engines:

(Calibration must be updated when installing new DPF parts, Failure to update calibration will result in a failed DPF component)

Table 3		
Part Being Replaced	Replacement Options	Aftertreatment Module Calibration
2601229C91	2601229C93	Required. Refer to Table in Repair Steps
2596665C91	2596665C93	

Use Table 4 for ordering a new DPF for 2010-2012 I6 engines:

(Calibration must be updated when installing new DPF parts, Failure to update calibration will result in a failed DPF component)

Table 4		
Part Being Replaced	Replacement Options	Aftertreatment Module Calibration
Use Parts Catalog	No Part Number Change	Required. Refer to Table in Repair Steps

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	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	PRD2SGx4	PRD2SGx5

For MaxxForce 11 Engines (2008-2009):

Aftertreatment module calibration is required when using the parts in the table below:

Year	Current Calibration (example)	Updated Calibration to be used with DPFs listed in Table 3
2008-2009	OCXXFCMD	OCXXFCME*

For MaxxForce 13L Engines (2008-2009):

Year	Current Calibration (example)	Updated Calibration to be used with DPFs listed in Table 3
2008-2009	OCXXFCMA	OCXXFCMB*

Programming Instructions:

[TL2600002](#) - NavKal Quick Reference Guide

If there are any issues programming, start a Programming Tech Service case file. **For the MaxxForce 11/13 engines, a case file is required.** The update cannot be done through NavKal.

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](#)

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