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Coding Information

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Title: Service Engine Calibration for Active Aftertreatment Regeneration During PTO (Engine Speed Control) Operation

Applies To: 2007 - 2009 MaxxForce DT, 9 and 10, and MaxxForce 7

CHANGE LOG

DO NOT delete the CHANGE LOG

Updated : 06/23/2014 : Added new SRT. Removed iRequest instructions, since iRequest was removed from ISIS and added new instructions on how to request the calibration.

DESCRIPTION

An engine calibration has been released that will allow aftertreatment active regeneration (regen) during extended PTO (engine speed control) operations. **This is a service calibration that is ONLY available by request through case file with Navistar Technical Services team.**

This calibration should be used in applications that require extended PTO (engine speed control) operation. Some of the applications are listed below:

- Paper Shredder
- Fire Pumping Apparatus
- Ambulance and other applications using engine speed control for stationary battery charging or power inverter operations
- Aerial Lift or Digger Derrick
- Pressure Drilling
- Refuse Curb Pick-Up Applications
- Street Sweepers

Some truck body or equipment integration configurations require that the PTO Engine Speed Control be enabled at all times. Without this specific engine calibration doing so would inhibit active and parked aftertreatment regeneration that could cause premature aftertreatment plugging or the need to perform repeated parked regenerations.

Example of this configuration can be found in iKNOW Article [IK0700011](#)

During Active PTO Engine Speed Control this engine calibration will allow engine aftertreatment regeneration when aftertreatment conditions call for regeneration. During an active or parked regeneration, high exhaust temperatures should be expected without warning. Be aware of surroundings that include flammable materials, and people nearby. A High Exhaust System Temperature (HEST) light (below) on the dash will illuminate when tail pipe exhaust temperatures reach 400°C or 752°F and the Vehicle Speed Sensor (VSS) reads less than 5 MPH.



HEST Lamp

Follow the procedure below for requesting this service calibration.

REQUEST PROCEDURE

1. Must have verbal confirmation from customer, signifying that they understand the operation and high exhaust temperature potential during PTO Engine Speed Control Operations.
2. Create a new case file for the unit(s) that need the calibration.
3. In the 'Description' area, please enter 'Request a specific Engine Calibration that allows active aftertreatment regeneration while in PTO (engine speed control) active mode.'
4. Navistar Technical Service will respond to the case file once the calibration is ready for programming.
5. Program the calibration using NETS.

Optional Regen Inhibit switch installation:

Regen Inhibit Switch may be installed with the installation of this engine calibration. This switch will allow the operator to temporarily inhibit active and parked regeneration. See table below for Regen Inhibit features and part numbers by models. Please order parts through your PDC.

Models	4000 DuraStar and 7000 WorkStar	CF500& CF 600 CityStar
Switch	3809915C1 - Momentary Range Inhibit Switch	Included Hard Wired
Body Controller Feature Programming	0595AZA BC PROG, INHIBIT REGEN SWITCH MOMENTARY - Use Diamond Logic Builder (DLB) to program this feature after receiving the engine calibration	N/A

OTHER RESOURCES

Engine Diagnostics and Module Reflashing Guide-

https://evaluate.internationaldelivers.com/service_kb/DocTool/ArticleViewer.aspx?ControlID=3250&SEQLanguage=1001

SPECIAL TOOL(s) or SOFTWARE

Tool Description	Tool Number	Comments
EZ-Tech Laptop	N/A	N/A

Software Description	Software Version	Comments
NETS	5.5.1 with DLC 1.86	Click HERE to install latest version

WARRANTY INFORMATION

Standard Repair Time(s):

12 - ELECTRONIC CONTROL MODULE (ECM OR ECM/IDM) - ENGINE, PROGRAM			
Hours	Code	Model	Engine
0.4	A12-3510E	Models, ALL	All Engines

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Warranty Claim Coding:

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