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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

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 the iRequest tab on ISIS Vehicle information.**

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. From ISIS enter the VIN in the Vehicle Information Page
2. Click the iRequest tab as shown below.
3. Click the Launch Process for the [PTO-Regen Calibration Request](#)

4. Complete and submit the form.
5. Navistar Technical Service will review the request and apply the engine calibration in NETS
6. Navistar Technical Service will respond to the iRequest case file once the calibration is ready for programming.
7. Program the calibration using NETS.
8. Print the request form and have the customer sign in the customer agreement area signifying that they understand the operation and high exhaust temperature potential during PTO Engine Speed Control Operations.
9. Retain the original signed form with the RO and provide a copy to the customer.

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

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