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Availability: ISIS, Bus ISIS, FleetISIS
Revision: 5
Major System: ENGINES
Created: 8/5/2011
Current Language: English
Last Modified: 8/21/2013
Other Languages: [Français](#), [Español](#),
Author: Mario Tafoya
Viewed: 6419

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Coding Information

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Title: EPA 2010 MaxxForce 7 Engine Calibration Releases

Applies To: All Trucks and buses with EPA 2010 MaxxForce 7 Engines



EPA 2010
 MaxxForce® 7
 Engine
 Calibration
 Release



The information contained in this release notice was developed to notify of a calibration release. Check the calibration scorecard before updating any engine calibrations.
 Check Calibration Scorecard Here - Enter Chassis Number (Last 8 of VIN)

<p>Calibration Information 29XR0/19XR0 200-300 HP</p> <p>Version: 29XR0/19XR0</p> <p>CN1236 and CN1568</p> <p>Release Date: 05/06/2013</p> <p>Release Type: Service Only - Recall 13506</p> <p>Notification: Calibration Scorecard</p> <p>Programming Software: NETS, Auto Upgrade Build 341 and PocketMaxx (Use Programming by Task Chart below for recommended programming)</p> <p>REMINDER: PocketMaxx and Auto Upgrade are the preferred method for updating engine calibrations.</p> <p>Notes :</p> <p>Replaces AFC 12924 and AFC 12925</p>		<p>Calibration Rating: ★★</p> <p>Warranty: Recall 13506</p> <p>Repair Time : A40 -13506-1_ - 0.4 hrs</p> <p>Affected Vehicles: Models: DuraStar®, TerraStar® Start Date: 25 February 2010 End Date: 26 February 2013 AC C, BE C, CE C, CE S, and HC C Bus Start Date: 27 May 2010 End Date: 27 February 2013</p> <p>Engine Family: 2010 MaxxForce® 7</p> <p>CHECK CALIBRATION SCORECARD</p> <p>Ratings:</p> <p>★ - One Star- Do not take vehicles out of service to apply this calibration. Apply this calibration the next time the vehicle is scheduled in for maintenance</p> <p>★★ - Two Stars - This calibration possibly has issues addressed that your customers may be experiencing. Schedule the affected vehicles in when it is convenient for your customers.</p> <p>★★★ - Three Stars - Important to apply this calibration based on issues addressed . Schedule the affected vehicles in for this calibration ASAP.</p>			
<p>29XR0/19XR0 Improvements or New Functionality</p> <table border="1"> <thead> <tr> <th>Function / System</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>Performance</td> <td> <ul style="list-style-type: none"> Improve frequent regen concerns due to DPF overload and DOC face-plugging issues that can be corrected with calibration update Improved idle stability, launch performance and underrun protection in specific applications (high power PTO, Dual AC). Allows higher engine braking to occur even without EBP functionality Oil service interval reduced to ensure quality at the end of oil life Address oil dilution with fuel on low duty drive cycles Calibration optimized for C92 injector characteristic, address vehicle drivability </td> </tr> </tbody> </table>		Function / System	Description	Performance	<ul style="list-style-type: none"> Improve frequent regen concerns due to DPF overload and DOC face-plugging issues that can be corrected with calibration update Improved idle stability, launch performance and underrun protection in specific applications (high power PTO, Dual AC). Allows higher engine braking to occur even without EBP functionality Oil service interval reduced to ensure quality at the end of oil life Address oil dilution with fuel on low duty drive cycles Calibration optimized for C92 injector characteristic, address vehicle drivability
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Diagnostics	<ul style="list-style-type: none"> • Robustness of failure detection of ineffective regenerations • Update Range and Resolution of value for Fuel Rail Pressure that is broadcast to ServiceMaxx • Improved robustness of fault monitoring of exhaust backpressure control • Improvement to current RCT diagnostic test • Allow in range fault detection on EGT sensor • Update to IAT signal processing to improve fault management robustness • Update to allow new TCOT sensor values to improve diagnostic capabilities
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Calibration Information 29XR0/19XR0	
<p>Version: 29XR0/19XR0</p> <p>CN: 685</p> <p>Release Date: 05/07/2013</p> <p>Release Type: Service</p> <p>Notification: Calibration Scorecard</p> <p>Programming Software: NETS, Auto Upgrade and PocketMaxx (Use Programming by Task Chart below for recommended programming)</p>	<p>Calibration Rating: ★★</p> <p>Warranty:</p> <p>Repair Time : G-12925 - 0.4 hrs</p> <p>Affected Vehicles: Model: DuraStar® and TerraStar ® Start Date: 25 February 2010 End Date: 08 August 2012 CE C Bus, CE S Bus, and HC C Bus Start Date: 02 June 2010 End Date: 08 August 2012 Engine Family: 2010 MaxxForce® 7 240 / 260 / 300 hp</p> <p>CHECK CALIBRATION SCORECARD</p>

Notes :	<p>Ratings:</p> <p>★ - One Star- Do not take vehicles out of service to apply this calibration. Apply this calibration the next time the vehicle is scheduled in for maintenance</p> <p>★★ - Two Stars - This calibration possibly has issues addressed that your customers may be experiencing. Schedule the affected vehicles in when it is convenient for your customers.</p> <p>★★★ - Three Stars - Important to apply this calibration based on issues addressed . Schedule the affected vehicles in for this calibration ASAP.</p>
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29WR3 Improvements or New Functionality	
Function / System	Description
Performance	<ul style="list-style-type: none"> • Improve frequent regen concerns due to DPF overload and DOC face-plugging issues that can be corrected with calibration update

Calibration Information 29WRC - 220 HP Ratings	
	<p>Calibration Rating: ★★</p> <p>Warranty: AFC - 12924</p>

<p>Version: 29WRC EMR: 4864B</p> <p>Release Date: 09/11/2012</p> <p>Release Type: Service</p> <p>Notification: Calibration Scorecard and AFC - 12924 Programming Software: NETS, Auto Upgrade and PocketMAxx (Use Programming by Task Chart below for recommended programming)</p>	<p>MIN Operation Repair Time : G-12924_ - 0.4 hrs</p> <p>See AFC - 12924 for warranty claim submission instructions</p> <p>Affected Vehicles: Model: DuraStar® Start Date: 25 February 2010 End Date: 31 May 2012 AC C Bus, BE C Bus, BE S Bus, CE C Bus, CE S Bus, and HC C Bus Start Date: 27 May 2010 End Date: 24 January 2010 Engine Family: 2010 MaxxForce® 7 220 hp</p> <p>CHECK CALIBRATION SCORECARD</p>				
<p>Notes : 1. This calibration has been released as a campaign. Please refer to the AFC documentation for specific warranty claim submission instructions.</p>	<p>Ratings:</p> <p>★ - One Star- Do not take vehicles out of service to apply this calibration. Apply this calibration the next time the vehicle is scheduled in for maintenance</p> <p>★★ - Two Stars - This calibration possibly has issues addressed that your customers may be experiencing. Schedule the affected vehicles in when it is convenient for your customers.</p> <p>★★★ - Three Stars - Important to apply this calibration based on issues addressed . Schedule the affected vehicles in for this calibration ASAP.</p>				
<p>39UR2 Improvements or New Functionality</p> <table border="1"> <thead> <tr> <th data-bbox="138 1003 781 1052">Function / System</th> <th data-bbox="781 1003 1466 1052">Description</th> </tr> </thead> <tbody> <tr> <td data-bbox="138 1052 781 1194">Performance</td> <td data-bbox="781 1052 1466 1194"> <ul style="list-style-type: none"> Improve frequent regen concerns due to DPF overload and DOC face-plugging issues that can be corrected with calibration update </td> </tr> </tbody> </table>		Function / System	Description	Performance	<ul style="list-style-type: none"> Improve frequent regen concerns due to DPF overload and DOC face-plugging issues that can be corrected with calibration update
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Programming Method by Task				
Task = Update the ECM to the Latest Calibration				
Recommended Method	Cable	Programming Harness	Instructions	Special Instructions
1. NETS - Perform GET as Update to Latest Calibration	NAVCoM, NAV-Link (Firmware / Drive must be updated to 1.6.4 Click here for instructions) or NEXIQ USB Link	Not Needed	IK2600010 NETS Programming and Troubleshooting Guide	You may need to remove the ABS, SART module or Automatic Transmission fuses if programming fails.
2. DLC Auto Upgrade	NAVCoM, NAV-Link (Firmware / Drive must be updated to 1.6.4 Click here for instructions) or NEXIQ USB Link	Not Needed	IK2600082 DLC Engine Auto Upgrade Program	You may need to remove the ABS, SART module or Automatic Transmission fuses if programming fails.
Methods below are not available for this calibration at this time.				
NAVCoM NOT	NAVCoM, NAV-Link (Firmware / Drive must be updated to	Not Needed	K2600092 NAVCoM	NAVCoM Firmware / Drive must be updated to 1.6.3 Click here for instructions also see NAVCoM

AVAILABLE	1.6.4 Click here for instructions) in Engine Upgrader Mode		User Guide	Programming Instructions at end of this article.
Task = Programming a new or blank ECM				
Required Method	Cable	Programming Harness	Instructions	Special Instructions
NETS - Perform GET as Replace or Blank Module	NAVCoM, NAV-Link (Firmware / Drive must be updated to 1.6.4 Click here for instructions) or NEXIQ USB Link	Not Needed	IK2600010 NETS Programming and Troubleshooting Guide	You may need to remove the ABS, SART module or Automatic Transmission fuses if programming fails.
Task = Programming non-dealer programmable parameters				
Required Method	Cable	Programming Harness	Instructions	Special Instructions
NETS - Perform GET as Change Parameters	NAVCoM, NAV-Link (Firmware / Drive must be updated to 1.6.4 Click here for instructions) or NEXIQ USB Link	Not Needed	IK2600010 NETS Programming and Troubleshooting Guide	You may need to remove the ABS, SART module or Automatic Transmission fuses if programming fails.

Note: When programming non-dealer programmable parameters you must contact the Vehicle Programming Support group and request the parameter you want programmed

Other Resources:

[IK2600084 Engine Programming & Diagnostic Guide](#)

[IK2600102 Engine Programming Harness Instructions](#)

[IK2700014 NAVCoM / NAV-Link 1.6.3 Driver Upgrade Instructions](#)

[IK2600092 NAVCoM User Guide](#)

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