

Authorized Field Change



AFC 12946

Date: December 2012

Subject File: Engine

Subject: MaxxForce® 13 Electronic Control Module (ECM) recalibration for certain vehicles marked in Service Portal with AFC 12946 to provide engine overspeed protection.

Model: LoneStar®, PayStar®, ProStar®, and WorkStar®

Start Date: 1 June 2009 End Date: 13 April 2012

Engine Family: MaxxForce® 13

DESCRIPTION

Certain 2009, 2010, 2011, and 2012 MaxxForce® 13 engines have the potential to incur damage due to engine overspeed (RPM), when vehicle is out of gear. To prevent engine damage, this campaign will require recalibration of the engine ECM to software level 3.11 which will force an engine shutdown (only in a parked state or if the vehicle is not moving) when engine overspeed (excessive RPM) occurs. The software is applicable only to certain vehicles marked in Service Portal® with AFC 12946.

PARTS INFORMATION

No parts are required for this AFC

PARTS INFORMATION (CONT.)

SERVICE PROCEDURE



WARNING: To prevent vehicle damage, personal injury or death, park the vehicle on a flat, level surface. Make sure the engine ignition is in the off position, and the transmission is in neutral or in the park position, if the vehicle is equipped with an automatic transmission. Set the parking brake, block the wheels to prevent the vehicle from moving in both directions, and disconnect the batteries at the negative terminal before doing any service procedures on the vehicle.



WARNING: To prevent personal injury or death, always wear safe eye protection when performing vehicle maintenance.



WARNING: To prevent personal injury or death, make sure that the engine has cooled before removing components.

This AFC raises the calibration level to 3.11. First, check to see if the ECM has the latest software by referring to the vehicle calibration scorecard on the Service Portal® system. If the calibration scorecard indicates that the calibration is not current, the engine must be reprogrammed.

ECM Programming method for 2009, 2010, 2011, and 2012 MaxxForce® 13 engines is to use NETS or Auto Upgrade or PocketMaxx. For instructions, refer to

- IK2600010 - NETS Programming and Troubleshooting Guide.
- Use the Update to Latest Calibration programming option or IK2600082 – Auto Upgrade Programming Instructions
- PocketMaxx: IK3300001 – Updating Engine Calibrations with PocketMaxx.

In these articles, you will find general information about each reprogramming method and software, with links to specific instructions for each.

If assistance is needed, contact Vehicle Programming by creating an iKNow case file or calling 1-800-336-4500, options 3, 1, 1.

LABOR INFORMATION

Operation number must appear on all claims.

Table 1. Labor Information

Operation No.	Description	Time
A40-12946-1	ECM Re-Flash	0.4

ADMINISTRATIVE PROCEDURE

Expense is to be charged to Warranty. Claims are to be submitted in the normal manner, making reference to Authorized Field Change Number G-12946.

It is important that the coding be completed properly to assist in processing the warranty claim. Complete instructions will be found in the Warranty Policy Manual, Section 7.1.8.

As with all claim submissions, items acquired locally must be submitted in the “Other Charges” tab. The cost of any bulk items (such as a bag of cable tie straps, roll of wire, barrel of oil, or tube of silicone) should be prorated for the cost of the individual pieces / amount used during each repair.

To ensure this important improvement is made in a timely manner, all claims for G-12946 activity must be submitted by 30 December 2013 or within the normal warranty period for the vehicle, if after 30 December 2013.

	GROUP	NOUN	C	WARR.	TP	PAD
GROUP — Enter number G —						
NOUN — Leave blank						
C (CAUSE) — Enter either 1, 2, 3. (See below)						
1. Inspected (No repair required).						
2. Inspected and repaired.						
3. Defective part from parts stock.						
WARRANTY — (Warranty Code) Enter 40.						
TYPE PART — Enter P for type part causing failure.						
PAD — Enter 100						