

# Authorized Field Change



AFC 13917R1

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This AFC replaces 13901 and 13904

**Date:** November 2013

**Subject File:** Engine

**Subject:** MaxxForce® 13 Electronic Control Module (ECM) Recalibration

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

Start Date: 01 June 2009 End Date: 09 October 2013

Model: Continental FD Mixer

Start Date: 19 June 2012 End Date: 24 September 2012

Engine Family: MaxxForce® 13

## DESCRIPTION

Certain 2009, 2010, 2011, 2012, and 2013 MaxxForce® 13 engines may experience increase in engine RPM while idling (only while vehicle is parked or stopped). This calibration has further improvements over AFCs 13901 and 13904 to prevent engine damage. This campaign requires recalibration of the ECM. The software applies only to certain vehicles marked in Service Portal<sup>SM</sup> with AFC 13917.


### Revision Statement


Substeps a - e of Step 5 have changed.


## PARTS INFORMATION


The AFC requires no parts.


## SERVICE PROCEDURE

 **WARNING:** Park vehicle on hard flat surface, turn the engine off, set the parking brake, and block the wheels to prevent the vehicle from moving in both directions. Failure to do so may result in property damage, personal injury, and / or death.

 **WARNING:** If the vehicle must be raised, do not work under the vehicle supported only by jacks. Jacks can slip or fall over, potentially resulting in property damage, personal injury, and / or death.

 **WARNING:** Always wear safe eye protection when performing vehicle maintenance. Failure to do so may result in personal injury and / or death.

 **WARNING:** Keep flames or sparks away from vehicle and do not smoke while servicing the vehicle's batteries. Batteries expel explosive gases. Failure to do so may result in property damage, personal injury, and / or death.

 **WARNING:** Remove the ground cable from the negative terminal of the battery box before disconnecting any electrical components. Always connect the ground cable last. Failure to do so may result in property damage, personal injury, and / or death.

## SERVICE PROCEDURE (CONT.)

1. Bring truck into shop and park on flat surface.
2. Shift transmission to Park or Neutral, set parking brake, and install wheel chocks.
3. Verify ECM has latest software by referring to vehicle calibration scorecard International® Service Portal<sup>SM</sup> system. If calibration scorecard indicates that calibration is not current, engine must be reprogrammed.

**NOTE: If AutoUpgrade functionality is unavailable, use NETS.**

4. Program ECM using NETS or AutoUpgrade. For instructions, see [IK2600010 - NETS Programming and Troubleshooting Guide](#). Use Update to Latest Calibration programming option or follow [IK2600082 - Auto Upgrade Programming Instructions](#).
  - These articles contain general information about each reprogramming method and software, with links to specific instructions for each.
5. After completing ECM recalibration, verify fault codes are not present by performing Steps a - e:
  - a. Place vehicle in Park position (vehicle speed = 0 mph).
  - b. Verify that coolant temperature is greater than 15°F.
  - c. Start engine and run at low idle.
    1. Do not change gears.
    2. Do not depress clutch or brake pedals.
    3. Do not rapidly depress or change accelerator position.
  - d. Verify that the engine can maintain a stable low idle.
  - e. Verify that no faults are set after calibration.
    1. If faults 731-16 or 731-18 set, please contact Technical Services by creating an iKNow case file or calling 1-800-336-4500.
    2. If no fault codes are present, procedure is complete.
6. Remove wheel chocks.
7. If assistance is required, contact Vehicle Programming by creating an iKNow case file, or by calling 1-800-336-4500 and selecting options 3, 1, 1.

## LABOR INFORMATION

Operation number must appear on all claims.

**Table 1. Labor Information**

Operation No.	Description	Time
A40-13917-1	ECM Re-Flash	0.2 hr

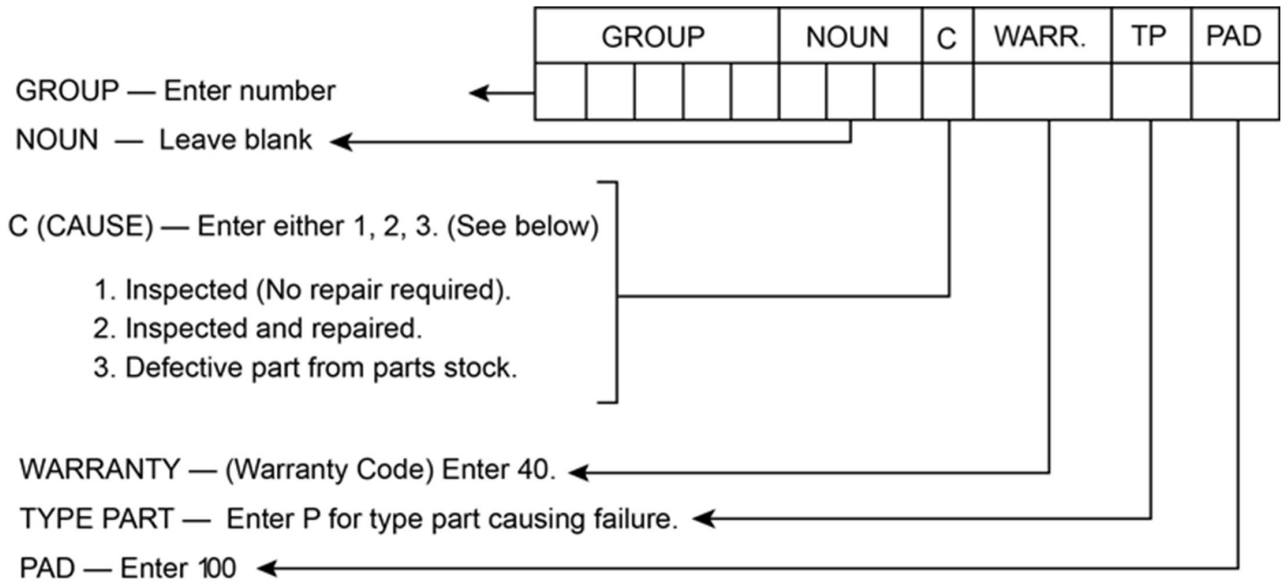
**ADMINISTRATIVE PROCEDURE**

Expense is to be charged to Warranty. Claims are to be submitted in the normal manner, making reference to Authorized Field Change Number 13917.

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 13917 activity must be submitted by 30 November 2014 or within the normal warranty period for the vehicle, if after 30 November 2014.



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