

6.7L—MIL ON—DTCS P207F, P20EE, P2200, P2201, P2209, P164A, P2A00 AND/OR P0133—BUILT ON OR BEFORE 10/11/2011
TSB 13-6-24
FORD:

2011-2012 F-Super Duty

ISSUE

Some 2011-2012 F-Super Duty vehicles equipped with a 6.7L engine and built on or before 10/11/2011 may exhibit a malfunction indicator lamp (MIL) on with diagnostic trouble codes (DTCs) P207F, P20EE, P2200, P2201, P2209, P164A, P2A00 and/or P0133.

ACTION

Follow the Service Procedure Steps to correct the condition.

SERVICE PROCEDURE

1. Using an Integrated Diagnostic System (IDS) or equivalent, check for DTCs. Are any of the following DTCs present: P207F, P20EE, P2200, P2201, P2209, P164A, P2A00 or P0133?
 - a. No - this article does not apply. Refer to Powertrain Control/Emissions Diagnosis (PC/ED) Manual for normal diagnostics.
 - b. Yes - proceed to Step 2.
2. Is this vehicle a 2012 F-450 or F-550 chassis cab?
 - a. Yes - Proceed to Step 3.
 - b. No - Proceed to Step 4.
3. Print the customer information sheet at the bottom of this article and provide it to the customer for awareness. This awareness sheet only applies to 2012 F-450 and F-550 chassis cab vehicles. (Figure 1) Proceed to Step 4.
4. Replace Nitrogen Oxides (NOx) Sensor with updated service component. Refer to Workshop Manual, Section 303-14B.
5. Reprogram the powertrain control module (PCM) to the latest calibration using IDS release 85.01 or higher. Calibration files may also be obtained at www.motorcraft.com.
6. Reset/clear the NOx sensor adaptive learn tables. Resetting/clearing of the adaptive learn tables can be accomplished with IDS by selecting the following: Powertrain Service Functions Reset/Clear Specified Function Nitrogen Oxide selection.
 - a. The adaptive learn tables for the NOx sensor are not reset during PCM reprogramming and will need to be reset/cleared to prevent the code/codes from being set falsely.
7. Is the vehicle in a forced idle mode after reprogramming?
 - a. No - repair is complete.
 - b. Yes - the vehicle is in forced idle mode after the calibration has successfully updated. Perform the following procedure to return the vehicle to normal operation.
 - (1) Start the engine.
 - (2) Keep the vehicle in Park.
 - (3) Increase the engine RPM to 1,800.
 - (4) Using the IDS scan tool and monitor PIDs EGT_11, EGT_12, EGT_13 and EGT_14.
 - (5) Once all 4 EGT PIDs display 110° Celsius (230° Fahrenheit) or greater, return the engine RPM to idle.
 - (6) Allow the vehicle to idle for 10 minutes.

NOTE: The information in Technical Service Bulletins is intended for use by trained, professional technicians with the knowledge, tools, and equipment to do the job properly and safely. It informs these technicians of conditions that may occur on some vehicles, or provides information that could assist in proper vehicle service. The procedures should not be performed by "do-it-yourselfers". Do not assume that a condition described affects your car or truck. Contact a Ford or Lincoln dealership to determine whether the Bulletin applies to your vehicle. Warranty Policy and Extended Service Plan documentation determine Warranty and/or Extended Service Plan coverage unless stated otherwise in the TSB article. The information in this Technical Service Bulletin (TSB) was current at the time of printing. Ford Motor Company reserves the right to supersede this information with updates. The most recent information is available through Ford Motor Company's on-line technical resources.

TSB 13-6-24 (Continued)

PLEASE ADVISE THE CUSTOMER THAT THIS VEHICLE IS EQUIPPED WITH AN ADAPTIVE TRANSMISSION SHIFT STRATEGY WHICH ALLOWS THE VEHICLE'S COMPUTER TO LEARN THE TRANSMISSION'S UNIQUE PARAMETERS AND IMPROVE SHIFT QUALITY. WHEN THE ADAPTIVE STRATEGY IS RESET, THE COMPUTER WILL BEGIN A RE-LEARNING PROCESS. THIS RE-LEARNING PROCESS MAY RESULT IN FIRMER THAN NORMAL UPSHIFTS AND DOWNSHIFTS FOR SEVERAL DAYS.

PART NUMBER	PART NAME
BC3Z-9D378-G	Sensor - NOx Trap

WARRANTY STATUS: Eligible Under Provisions Of New Vehicle Limited Warranty Coverage And Emissions Warranty Coverage
Warranty/ESP coverage limits/policies/prior approvals are not altered by a TSB.
Warranty/ESP coverage limits are determined by the identified causal part and verified using the OASIS part coverage tool.

OPERATION	DESCRIPTION	TIME
130624A	2011-2012 F-Super Duty 6.7L: Check DTCs Replace The NOx sensor And Reprogram The PCM. Includes Time To Clear Codes (Do Not Use With Any Other Labor Operations)	1.0 Hr.
130624B	2011-2012 F-Super Duty 6.7L: Check DTCs Replace The NOx Sensor And Reprogram The PCM. Includes Time To Remove The Vehicle From Forced Idle Mode And Clear Codes (Do Not Use With Any Other Labor Operations)	1.4 Hrs.

DEALER CODING

BASIC PART NO.	CONDITION CODE
9D378	42



2012 Model Year 6.7L Diesel Engine Customer Information Sheet

Your 2012 Model Year F450-550 Super-Duty Chassis Cab with GVWR >14,000 lbs. received revised Powertrain Engine Control Module calibration software that includes updates for Diesel Particulate Filter (DPF) regeneration (cleaning). The software updates include the following changes to the DPF regeneration process and instrument cluster messaging:

- If the vehicle is in a DPF regeneration process, regeneration will continue for up to 5 minutes after the vehicle is shifted into "Park" or "Neutral" with the vehicle stopped. Previously upon shifting to "Park" the exhaust system would exit the DPF regeneration mode. If your vehicle usage is impacted by this change, shutting the vehicle off in "Park" cancels the DPF regeneration process.
- Your vehicle will also now display a "CLEANING EXHAUST FILTER" message in the instrument panel message center for the entire DPF regeneration cycle. See *Message center* in the *Instrument Cluster* chapter of vehicle *Owner Guide* for more information.

Please review and understand the warnings and notes regarding Diesel Particulate Filter regeneration and system operation in vehicle Owner's Guide and Diesel Supplement.

Please keep this letter in your glove box for future reference

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Figure 1 - Article 13-6-24