

**6.7L DIESEL - MALFUNCTION INDICATOR LAMP (MIL) ILLUMINATED -
DIAGNOSTIC TROUBLE CODE (DTC) P06EA AD/OR P06EB - BUILT ON
OR BEFORE 12/15/2013**

TSB 14-0126

SB-10056305-5650

FORD:

2013-2014 F-Super Duty

This article supersedes TSB 14-0122 to update the Issue Statement, Service Procedure and Service Labor Time Standards.

ISSUE

Some 2013-2014 F-Super Duty 250-550 vehicles equipped with a 6.7L diesel engine and built on or before 12/15/2013 may exhibit a MIL illuminated with DTC P06EA (NOx Sensor Processor Performance- Bank 1 Sensor 1) and/or P06EB (NOx Sensor Processor Performance - Bank 1 Sensor 2) stored in powertrain control module (PCM) memory. These DTCs may set due to a faulty exhaust gas temperature (EGT) sensor connector on the vehicle wiring harness. The NOx monitors utilize EGT sensors 12 and 14 to verify proper system operation. A faulty EGT connector may cause DTC P06EA and/or P06EB to set.

ACTION

Follow the Service Procedure steps to correct the condition.

SERVICE PROCEDURE

1. Using Ford Integrated Diagnostic System (IDS) service tool or equivalent scan tool, check for continuous memory diagnostic trouble codes (CMDTCs). Is DTC P06EA and/or P06EB present in PCM memory?
 - 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 the vehicle a 2013 model year?
 - a. No - proceed to Step 3.
 - b. Yes - reprogram the PCM to the latest calibration using IDS release 90.04 or higher. Calibration files may also be obtained at www.motorcraft.com. Clear all DTCs. Proceed to Step 3.
3. Replace the 2-pin male connector on the EGT sensor vehicle wiring harness that corresponds with NOx sensor DTC. Use solder splicing method. Refer to Wiring Diagram (WD), Section 27-1 for the EGT sensor locations. Refer to WD, Section 5-1 for solder splicing method instructions.
 - a. Removing the EGT sensor from the vehicle is not required during the repair.
 - b. For DTC P06EA replace the EGT 12 harness connector.
 - c. For DTC P06EB replace the EGT 14 harness connector.
4. Clear all DTCs.

NOTE: 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.

NOTE: The information contained 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, Lincoln, or Mercury 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.

PART NUMBER	PART NAME
3U2Z-14S411-BXAB	Pigtail Connector

OPERATION	DESCRIPTION	TIME
140126A	2014 F-Super Duty 6.7L: Retrieve DTCs, Replace One (1) Male EGT Connector (Do Not Use With Any Other Labor Operations)	0.5 Hr.
140126B	2014 F-Super Duty 6.7L: Retrieve DTCs, Replace Two (2) Male EGT Connectors (Do Not Use With Any Other Labor Operations)	0.7 Hr.
140126C	2013 F-Super Duty 6.7L: Retrieve DTCs, Reprogram The PCM And Replace One (1) Male EGT Connector (Do Not Use With Any Other Labor Operations)	1.0 Hr.
140126D	2013 F-Super Duty 6.7L: Retrieve DTCs, Reprogram The PCM And Replace Two (2) Male EGT Connectors (Do Not Use With Any Other Labor Operations)	1.2 Hrs.

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.

DEALER CODING

BASIC PART NO.	CONDITION CODE
5J213	42