

## 6.4L DIESEL—LACKS POWER, MIL ON WITH DTCS P20E2, P20E3, P20E4, P2080, P2084, P242A, P242B, P0544 OR P2031

TSB 12-12-10

### FORD:

2008-2010 F-Super Duty

This article supersedes TSB **10-23-6** to update the Part List and Service Procedure.

### ISSUE

Some 2008-2010 F-Super Duty vehicles equipped with a 6.4L diesel engine may exhibit a lack of power, Malfunction Indicator Lamp (MIL) on with Diagnostic Trouble Codes (DTCs) P20E2, P20E3, P20E4, P2080, P2084, P242A, P242B, P0544 or P2031.

### ACTION

Follow the Service Procedure steps to correct the condition.

### SERVICE PROCEDURE

1. Monitor all Continuous Memory Diagnostic Trouble Codes (CMDTCs) using the Integrated Diagnostic Scan-tool (IDS) or equivalent. Are any of the following DTCs present? P20E2, P20E3, P20E4, P2080, P2084, P242A, P242B, P0544 or P2031?
  - a. No - this article does not apply. Refer to Powertrain Control/Emissions Diagnosis (PC/ED) manual to diagnose this concern.
  - b. Yes - proceed to Step 2.
2. Replace the faulty Exhaust Gas Temperature (EGT) sensor based on the DTC present using the EGT replacement procedure below.
  - a. Disconnect the faulty EGT sensor electrical connector.
  - b. Disconnecting an EGT sensor with the key in the on position may force the vehicle into a one hour no crank lock out.
  - c. Cut the EGT sensor connector wire leads just above the sensor.
  - d. Apply heat to the EGT sensor mounting boss to aid in EGT removal.
  - e. Use a 13 mm, 6 point deep-well socket to remove the sensor from the exhaust.
  - f. Apply a small amount of Motorcraft® High Temperature Nickel Anti-Seize Lubricant to the threads of the new sensor.
  - g. Install the new EGT sensor and torque the sensor to 30 N•m (22 lb-ft).

PART NUMBER	PART NAME
8C3Z-5J213-D XL-2	EGT Sensor Motorcraft® High Temperature Nickel Anti-Seize Lubricant

**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
121210A	2008-2010 F-Super Duty 6.4L: Check DTCs And Replace One(1) EGT Sensor (Do Not Use With Any Other Labor Operations)	0.5 Hr.

**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 12-12-10 (Continued)

121210B	2008-2010 F-Super Duty 6.4L: Check DTCs And Replace Two(2) EGT Sensors (Do Not Use With Any Other Labor Operations)	0.8 Hr.
121210C	2008-2010 F-Super Duty 6.4L: Check DTCs And Replace Three(3) EGT Sensors (Do Not Use With Any Other Labor Operations)	1.0 Hr.

### DEALER CODING

BASIC PART NO.	CONDITION CODE
5J213	42