

SB-10056713-3540

FORD:

2011-2012 F-Super Duty

This article supersedes TSBs 13-10-1 and 13-10-2 to consolidate information released.

ISSUE

Some 2011-2012 F-Super Duty vehicles equipped with 6.7L diesel engines may exhibit an illuminated malfunction indicator lamp (MIL) with one or more of the following diagnostic trouble codes (DTCs) stored in the powertrain control module (PCM) memory: P0544, P0545, P0546, P06EA, P2031, P2032, P2033, P200C, P200E, P2080, P2081, P2084, P2085, P242A, P242B, P242C, P242D, P242E, P246E, P246F, P2470, P2471, P2472, P2478, P2479, P247A and/or P247B.

ACTION

Follow the Service Procedure steps to correct the condition.

SERVICE PROCEDURE

1. Check for continuous memory diagnostic trouble codes (CMDTCS). Is CMDTC P0544, P0545, P0546, P06EA, P2031, P2032, P2033, P200C, P200E, P2080, P2081, P2084, P2085, P242A, P242B, P242C, P242D, P242E, P246E, P246F, P2470, P2471, P2472, P2478, P2479, P247A and/or P247B present?
 - a. No - this article does not apply. Refer to the Powertrain Control/Emissions Diagnosis (PC/ED) manual to diagnose the concern.
 - b. Yes - proceed to Step 2.
2. Is DTC P200C and/or P200E stored in PCM memory with no other exhaust gas temperature (EGT) DTCs present?
 - a. Yes - proceed to Step 3.
 - b. No - disregard DTC P200C and/or P200E and proceed to Step 4.
3. Use Integrated Diagnostic Service (IDS) freeze frame data readings to confirm when DTC P200C and/or P200E were set. Replace the corresponding EGT sensor as instructed below. Refer to the Workshop Manual (WSM), Section 303-14B:
 - If IDS freeze frame data shows EGT12 temperature is 650 °C (1292 °F) greater than EGT11 temperature replace EGT 12.
 - If EGT13 temperature is above 900 °C (1742 °F) replace EGT 13.
 - If IDS freeze frame data shows EGT13 temperature is 650 °C (1292 °F) greater than EGT12 temperature replace EGT 13.
 - If EGT14 temperature is above 900 °C (1742 °F) replace EGT 14.
 - If IDS freeze frame data shows EGT14 temperature is 650 °C (1292 °F) greater than EGT13 temperature replace EGT 14.
 - If two or more EGT sensors are reading 900 °C (1562 °F) or higher, or if the freeze frame temperature data does not fit the criteria listed in Step 3, this article does not apply. Refer to PC/ED manual pinpoint test RC to diagnose the concern.
4. Based on the DTCs retrieved in Step 1, replace the corresponding EGT sensor(s) as instructed below. Refer to the WSM, Section 303-14B:
 - DTCs P0544, P0545, P0546, P2080, P2081, P2478 replace EGT11.
 - DTCs P2031, P2032, P2033, P2084, P2085, P2479 replace EGT12.

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.

- DTCs P242A, P242B, P242C, P242D, P242E, P247A replace EGT13.
- DTCs P246E, P246F, P2470, P2471, P2472, P247B replace EGT14.
- DTC P06EA on Pickups replace EGT14 and on Chassis Cabs replace EGT13.

Correct EGT location for Pickup and Chassis Cab. (Figure 1)

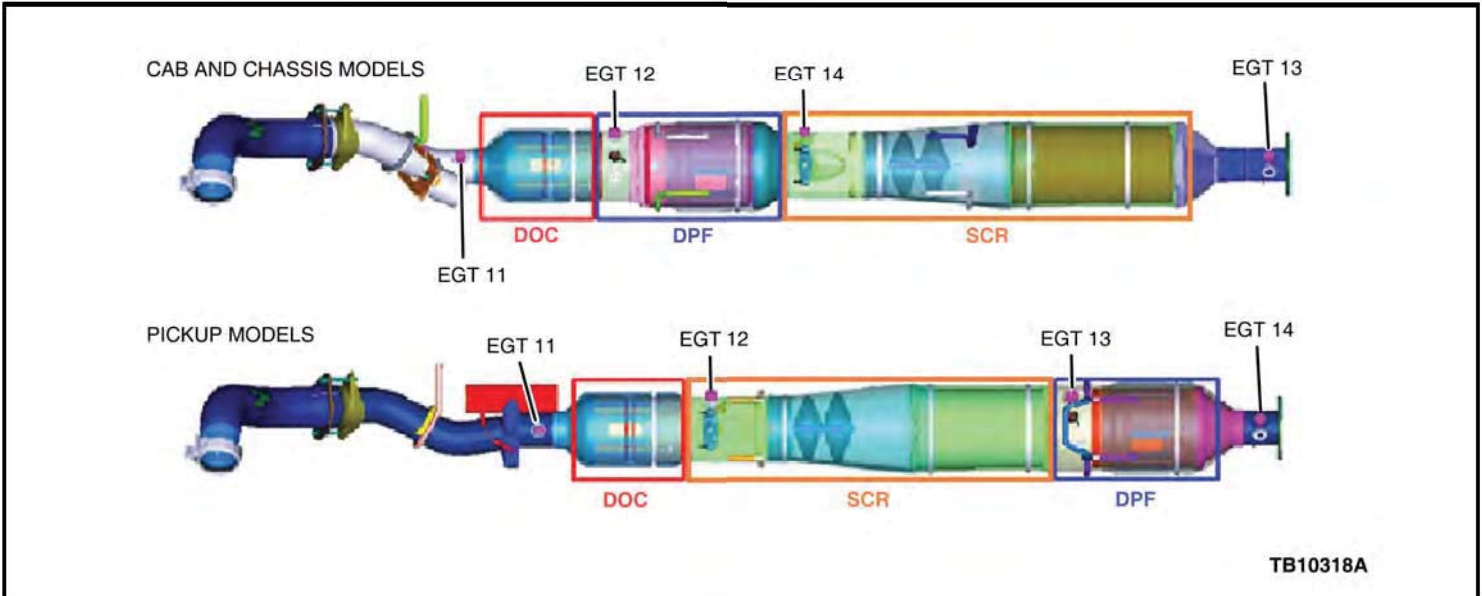


Figure 1 - Article 14-0174

PART NUMBER	PART NAME
AC3Z-5J213-B	EGT Sensor

OPERATION	DESCRIPTION	TIME
140174A	2011-2012 F-Super Duty 6.7L: Diagnose And Replace One (1) EGT Sensor (Do Not Use With Any Other Labor Operations)	0.5 Hr.
140174B	2011-2012 F-Super Duty 6.7L: Diagnose And Replace Two (2) EGT Sensors (Do Not Use With Any Other Labor Operations)	0.7 Hr.
140174C	2011-2012 F-Super Duty 6.7L: Diagnose And Replace Three (3) EGT Sensors (Do Not Use With Any Other Labor Operations)	0.8 Hr.
140174D	2011-2012 F-Super Duty 6.7L: Diagnose And Replace Four (4) EGT Sensors (Do Not Use With Any Other Labor Operations)	1.0 Hr.

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