

6.7L DIESEL—RUNS ROUGH/ENGINE CRANKS-NO START—DTCS P1291 AND/OR P1292

TSB 11-10-10

FORD:

2011-2012 F-Super Duty

This article supersedes TSB 11-6-10 to update the vehicle model years, Issue Statement, Service Procedure, Service Labor Time Standards and Part List.

ISSUE

Some 2011-2012 F-Super Duty vehicles equipped with a 6.7L engine may exhibit diagnostic trouble codes (DTC) P1291 and/or P1292 due to an internally shorted fuel injector. An internal short in a fuel injector may be caused by the fuel being contaminated with diesel exhaust fluid (DEF), or by fuel gelling.

ACTION

Follow the Service Procedure steps to correct the condition.

SERVICE PROCEDURE

1. Remove the fuel conditioning module mounted filter. Refer to Workshop Manual (WSM), Section 310-01.
2. Allow the filter and filter bowl to dry for two hours. Did the filter and or filter bowl turn white? (Figures 1 and 2)



Figure 1 - Article 11-10-10



Figure 2 - Article 11-10-10

- a. No - proceed to Step 3.
 - b. Yes - Do not continue with this article. Fuel contamination is non-warrantable. The concern was caused by the fuel being contaminated with DEF. The complete high pressure fuel system and diesel fuel control module (DFCM) will need to be replaced. The base fuel system will need to be flushed. Refer to WSM, Section 303-04C for fuel system replacement.
3. Inspect the engine wiring harness (12B637) for wire chafes near the EGR cooler. Was a chafe present? (Figure 3)

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.

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Figure 3 - Article 11-10-10

- a. No - proceed to Step 4.
 - b. Yes - repair as necessary. Vehicles built on or before 5/26/2010: position the metal EGR cooler gasket tab eyelet rearward and flush with the cooler housing. Release vehicle.
4. Electrically disconnect each fuel injector for the suspect DTC P1291 injectors 1, 4, 6, 7 and/or DTC P1292 injectors 2, 3, 5, 8.
 5. Check for continuity between the injector electrical pins and the injector body, is continuity present?
 - a. No - do not continue with this article, Refer to Powertrain Control/Emission Diagnostics (PC/ED) Manual for normal diagnostics.
 - b. Yes - replace all eight (8) fuel injectors and the injector return hose. Refer to WSM, Section 303-04C.

PART NUMBER	PART NAME
BC3Z-9A564-A	Injector Return Hose
BC3Z-9H529-A	Fuel injector (Cylinders 1, 2, 7, 8)
BC3Z-9H529-B	Fuel injector (Cylinders 3, 4, 5, 6)

WARRANTY STATUS: Eligible Under Provisions Of New Vehicle Limited Warranty Coverage And Emissions Warranty Coverage

IMPORTANT: Warranty coverage limits/policies are not altered by a TSB. Warranty coverage limits are determined by the identified causal part.

OPERATION	DESCRIPTION	TIME
111010A	2011-2012 F-Super Duty 6.7L Single Rear Wheel: Inspect Fuel Conditioning Module, Engine Wiring Harness, Test And Replace The Fuel Injectors, And The Injector Return Hose	4.7 Hrs.
111010B	2011-2012 F-Super Duty 6.7L Dual Rear Wheel: Inspect Fuel Conditioning Module, Engine Wiring Harness Test And Replace The Fuel Injectors, And The Injector Return Hose	4.9 Hrs
MT111010	Claim Actual Time For Engine Wire Harness Repairs	Actual Time

DEALER CODING

BASIC PART NO.	CONDITION CODE
9A564	42