

- **DRIVEABILITY—WATER-IN-FUEL LAMP ILLUMINATED AFTER DRAINING HEATED FUEL CONDITIONING MODULE (HFCM)—VEHICLES BUILT PRIOR TO 11/1/2003—6.0L ENGINE**
- **ENGINE—FUEL SYSTEM—WATER-IN-FUEL LAMP ILLUMINATED AFTER DRAINING HEATED FUEL CONDITIONING MODULE (HFCM)—VEHICLES BUILT PRIOR TO 11/1/2003—6.0L ENGINE**

**Article No.
04-9-2**

FORD: 2003-2004 EXCURSION, F SUPER DUTY

ISSUE

Some 2003-2004 Super Duty/Excursion vehicles built prior to 11/1/2003 equipped with the 6.0L Powerstroke, may exhibit a water-in-fuel (WIF) lamp illuminated. The lamp does not turn off after water has been drained from the horizontal fuel conditioning module (HFCM). This may be due to corrosion/sediment build up in the water reservoir. This build up may also cause the drain plug to stick making drain plug removal difficult.

ACTION

It is not necessary to replace the HFCM. There is a new fuel manifold (3C3Z-9B249-AB) available which will correct the condition. Refer to following Service Procedure.

SERVICE PROCEDURE

WARNING

SMOKING OR OPEN FLAME OF ANY TYPE MUST NOT BE PRESENT WHEN WORKING NEAR FUEL OR FUEL VAPOR.

1. Disconnect both battery ground cables. Refer to Workshop Manual Section 414-01.
2. Raise and support the vehicle. Refer to Workshop Manual Section 100-02.

NOTE

LATE BUILD SHOWN IN WORKSHOP MANUAL, EARLY BUILD SIMILAR.

3. Open the fuel/water separator drain valve to release the fuel pressure (Figure 1).

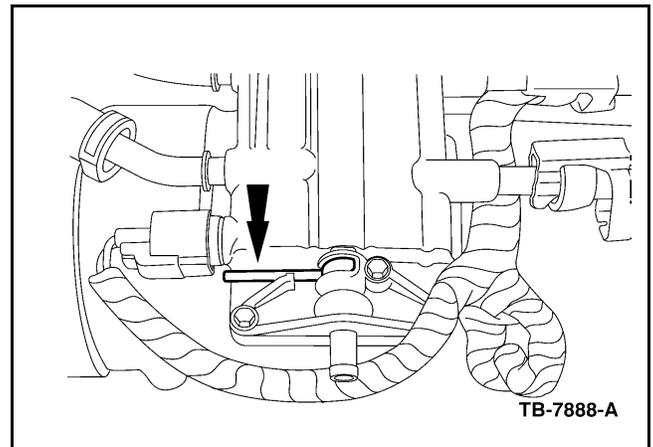


Figure 1 - Article 04-9-2

4. Disconnect the fuel pump, fuel warmer and water-in-fuel electrical connectors from HFCM (Figure 2):

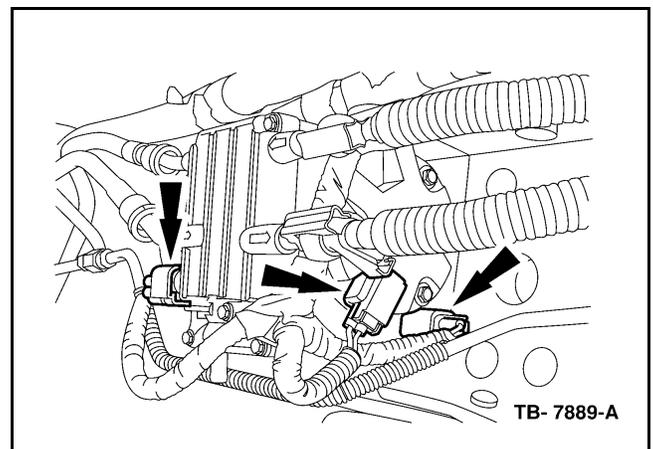


Figure 2 - Article 04-9-2

5. Disconnect the fuel hoses from HFCM:

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, 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.

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- a. Remove the fuel hose retaining clips and discard. Disconnect the fuel hoses from the fuel pump (Figure 3 - #1).
- b. Press in the retaining clips and release the fuel hoses (Figure 3 - #2).

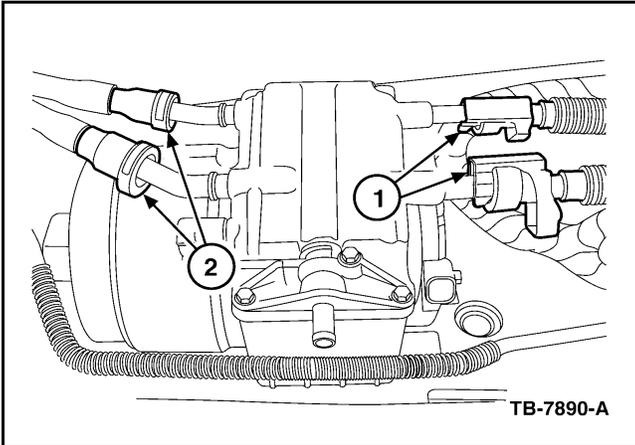


Figure 3 - Article 04-9-2

6. Remove the screws and the old fuel manifold cover (Figure 4).

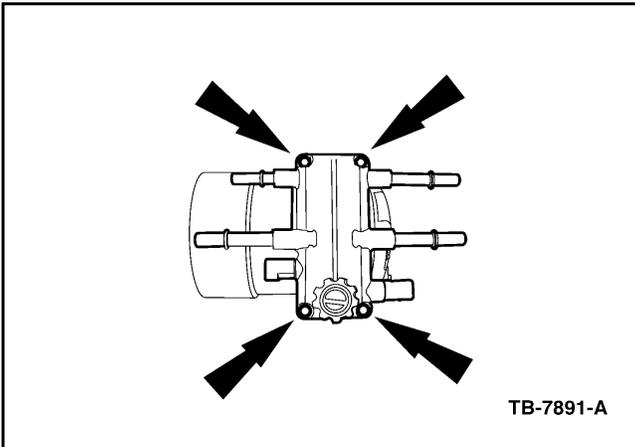


Figure 4 - Article 04-9-2

7. Inspect/clean debris from the HFCM water reservoir housing (max. 25 psi air).

8. Install the new fuel manifold and screws (Figure 5).

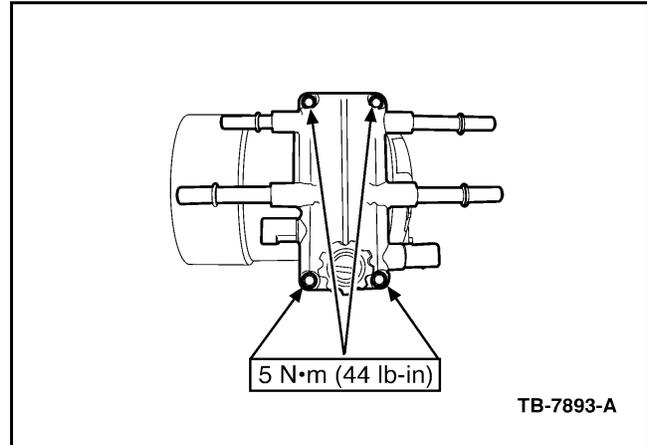


Figure 5 - Article 04-9-2

9. Reinstall all electrical connectors and fuel lines to the HFCM.
10. Verify that there are no fuel leaks from the HFCM.

PART NUMBER	PART NAME
3C3Z-9B249-AB	Fuel Manifold

OTHER APPLICABLE ARTICLES: NONE

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

OPERATION	DESCRIPTION	TIME
040902A	Replace Fuel Manifold Following Service Procedure	0.7 Hr.

DEALER CODING

BASIC PART NO.	CONDITION CODE
9B249	42