

# Authorized Field Change

AFC G-07909

**Date:** July, 2007

**Subject File:** Engine

**Subject:** Leaking Fuel Line on VT 275 Engines

Model: W42

Start Date: 08/18/2005 End Date: 01/29/2007

Engine Family: VT 275

## DESCRIPTION

This AFC applies to W42 Workhorse Custom Chassis Trucks built with VT 275 engines.

It has been determined by International Truck and Engine that the fuel line from the fuel pump to the right cylinder head could develop a leak. One or all of the following symptoms are possible: fuel leaking on the ground, fuel dripping from the front of the engine, fuel odor coming from the engine compartment, fuel misting in the engine compartment or a no start/hard start condition.

## PARTS INFORMATION

Table 1

| Part Number | Description | Quantity |
|-------------|-------------|----------|
| 1878471C91  | Fuel Line   | 1        |

## SERVICE PROCEDURE



**WARNING** – To avoid personal injury or death, shift transmission to park or neutral, set parking brake, and block wheels before doing diagnostic or service procedures.



**WARNING** – To avoid personal injury or death, remove ignition key so vehicle cannot be started while working around the fan.

1. Loosen fan belt and slip it off the alternator.
2. Loosen fuel line clamp retaining nut on front of the engine. Fuel line is slotted so it will slide off of the stud.

## SERVICE PROCEDURE (CONT.)



Remove support  
bracket retaining nut  
and remove fuel line

3. Remove banjo bolt from right cylinder head and discard copper seals.



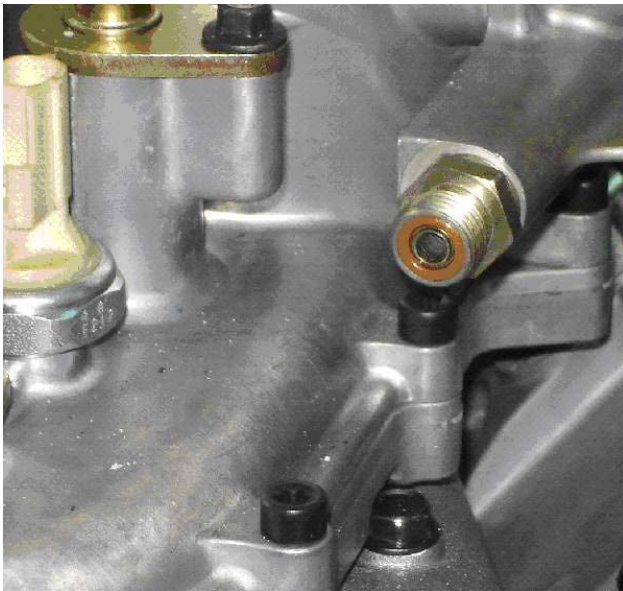
Remove banjo bolt from right  
head

4. Loosen fuel line from filter housing using two wrenches, remove support bracket retaining nut and remove fuel line and discard.

## SERVICE PROCEDURE (CONT.)



5. Inspect O-ring in fuel filter for damage and replace if needed. **NOTE: O-ring is included in the kit.**



6. Install two washers (Included in kit) and nut on to support bracket stud.

## SERVICE PROCEDURE (CONT.)



7. Install fuel line so the support bracket is located between the two washers.
8. Install new copper seals (included in kit) on banjo bolt and install hand tight.
9. Install fuel line to the fuel filter housing and hand tighten.
10. Torque banjo bolt to 38 Nm (28 lbf-ft) while holding screwdriver between banjo fitting and tabs on head.

**NOTE – Make sure screwdriver is on banjo fitting and not on fuel line.**

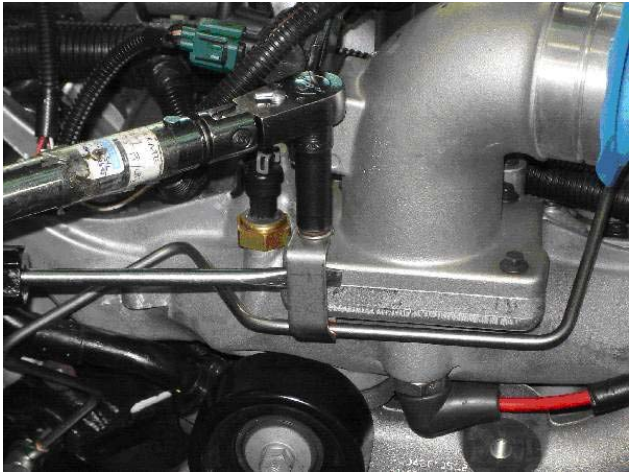


11. Tighten fuel line to fuel filter housing using two wrenches. Torque value is 25 Nm (18 lbf-ft)

## SERVICE PROCEDURE (CONT.)



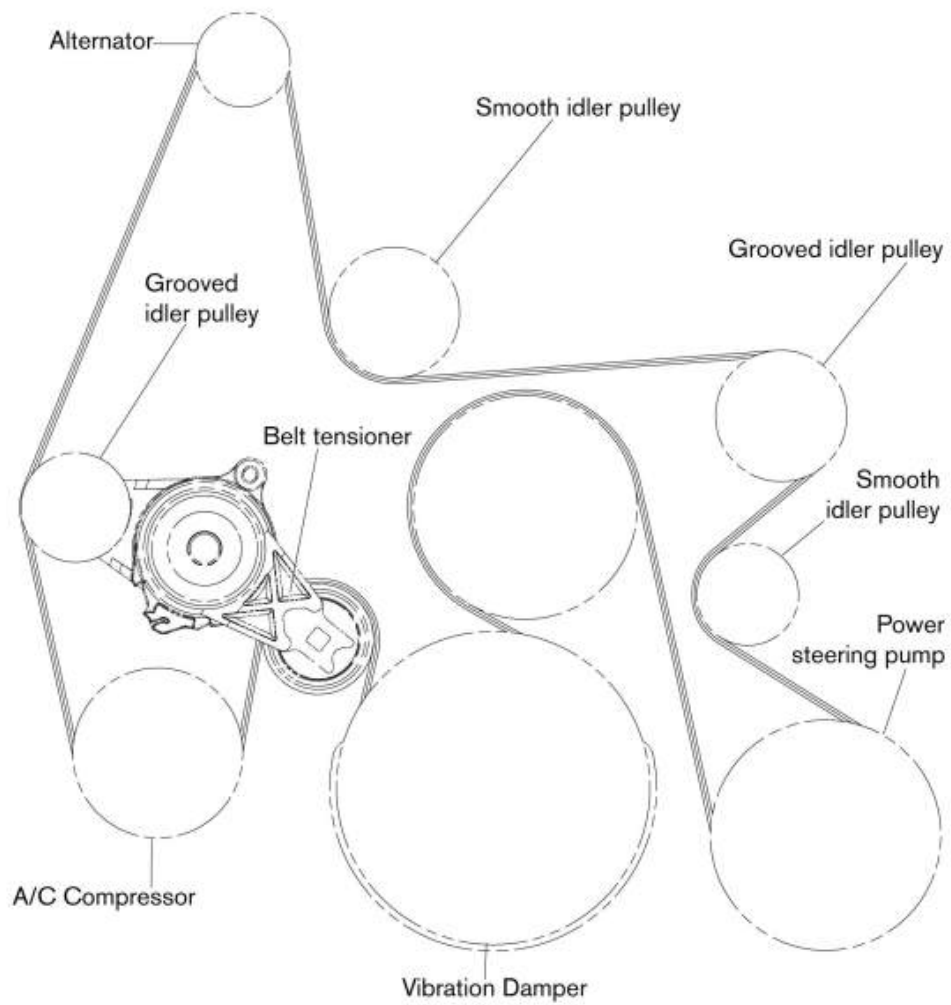
12. Torque support bracket nut to 11 Nm (96 in-lbs) while holding fuel line in place.



13. Install fan belt on to alternator making sure routing is correct and the tensioner lock is released.



## SERVICE PROCEDURE (CONT.)



Operation number must appear on all claims.

**Table 2 Labor Information**

| Operation No. | Description       | Time |
|---------------|-------------------|------|
| A40-07909-1   | Replace Fuel Line | 0.6  |

### ADMINISTRATIVE PROCEDURE

Expense is to be charged to Warranty. Claims are to be submitted in the normal manner, making reference to Authorized Field Change Number G-07909.

It is important that the coding be completed properly to assist in processing the warranty claim. Complete instructions will be found in the Warranty Manual, Section 7-1. Special attention should be given to Items 39 through 44.

To assure this important improvement is made in a timely manner, all claims for G-07909 activity must be submitted by July 31, 2008 or within the normal warranty period for the vehicle, if after July 31, 2008.

| GROUP                 | NOUN             | C   | WARR.                              | TP   | PAD           |
|-----------------------|------------------|---|------------------------------------|--|---------------|
| GROUP Enter number G— | NOUN Leave blank | C (CAUSE) Enter either 1, 2, 3. (see below) | WARRANTY (Warranty Code) Enter 40. | TYPE PART Enter P for type part causing failure. | PAD Enter 100 |
|                       |                  | 1. Inspected (No repair required).          |                                    |  |               |
|                       |                  | 2. Inspected and repaired.                  |                                    |  |               |
|                       |                  | 3. Defective part from parts stock.         |                                    |  |               |

Distribution: All except J-81

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