

Technical Information Bulletin

AFI Fuel Supply Line Rubbing{1274}

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AFI Fuel Supply Line Rubbing{1274}

SMCS - 1274

On Highway Truck:

CT660 (S/N: TGA1-UP; TGD1-UP; TEJ1-UP; TRK1-UP; TKL1-UP; TEM1-UP; TEP1-UP;
TGS1-UP; TJS1-UP; TGT1-UP; TSW1-UP; TSY1-UP; TGZ1-UP)

Introduction

The problem that is identified below does not have a known permanent solution. Until a permanent solution is known, use the solution that is identified below.

Problem

If the fuel lines are not routed correctly, the AFI Fuel Supply line can rub through from the fuel system return line. This situation can cause regen issues or an inability to perform regens. When the ECM senses a pressure issue in the line, the ECM will stop sending fuel to the AFI from the DSI. You will not see a fuel leak in the area. What you will see is a regen issue and aftertreatment temperatures not reaching the correct temp and eventually the ECM will abort the OBFCT.

SYMPTOMS

- Regen issues
- Inability to perform regens
- No fuel to the AFI from the DSI

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Illustration 1
Example of an AFI Fuel Supply Line rubbing

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Illustration 2 g03566560
Example of an AFI Fuel Supply Line rubbing

Example of a Bad OBFCT with a Hole in the AFI Fuel Supply Line

Notice that the AFT Fuel Doser CTL actuated three times to purge the air. The AFT Fuel Doser CTL went to 0 and AFT Fuel Pressure 2 never climbed off 0 PSI. You will not see any leaks. There is no fuel being sent to pressurize the line.

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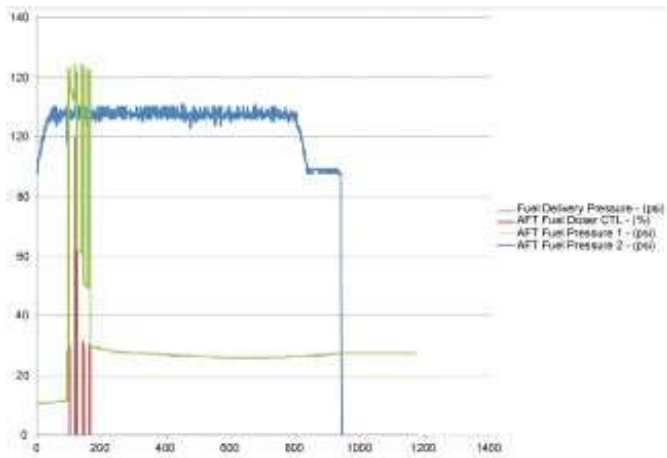


Illustration 3 g03566563

Solution

Table 1

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Required Parts

Item	Qty	Part Number	Description
1	1	376-2674	Fuel Tube

[View Image](#)

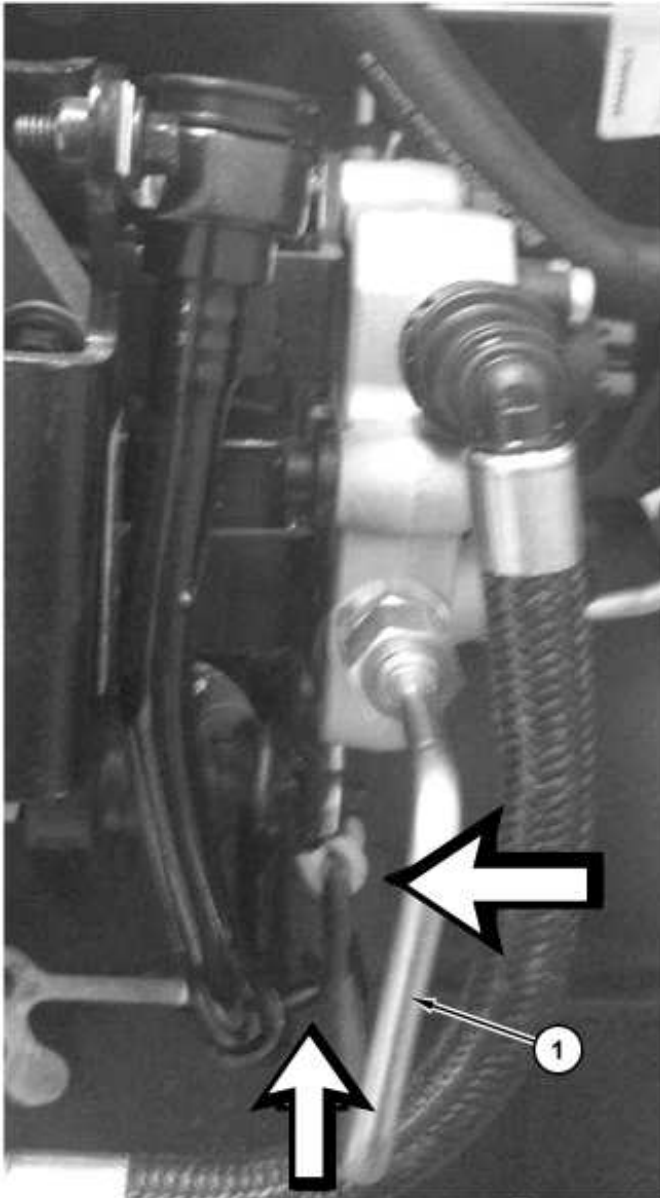


Illustration 4

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(1) 376-2674 Fuel Tube

Inspect and verify that the AFI Fuel Tube (1) is secured to the AFI bracket with the P-Clip. Ensure that the line separator clip is installed on the return and AFI line. Be sure that the DSI supply line is not rubbing anything. Refer to Illustration 4.

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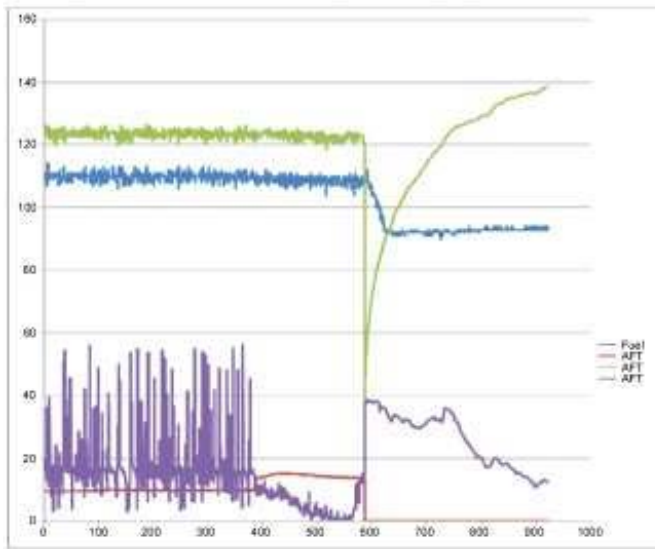


Illustration 5 g03566580
Example of a good OBFCT after the AFI Fuel Supply Line was repaired

Notice the AFT Fuel Doser CTL actuated and stayed active and AFT Fuel Pressure 2 is working properly now. Refer to Illustration 5.

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