



Solution K20965159

Wednesday, April 4, 2018 10:34:19 PM CEST

Solution

Title (customer effect)	Fuel Tank Vent Filter Ices / Freezes Up In Cold Weather; Possible Low Fuel Pressure And Loss Of Prime; Vacuum (Rush, Hiss Of Air) Observed When Fuel Tank Cap Is Loosened
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Cause	Under certain conditions in cold weather operation, excessive accumulation of ice may cause restriction or blockage of the fuel tank vent lines.
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Solution

Overview

Fuel tank vent filter freeze-up most commonly occurs when a chassis is working in extreme cold conditions with temperatures below 0 °F (-18 °C). It may be necessary to increase the surface area contacted by air when it first enters the filter housing and allow for additional drainage.

Repair

For units displaying excessive ice build-up in the fuel tank vent filters, the following modification should be made to the vent filter housing:

- Four holes should be drilled at 90° intervals in the lower filter housing as shown below.
 - The holes should be 0.25" (6 mm) in diameter.



NOTE: This procedure is currently temporary as the issue is under review. This solution will be updated as more information is received. Make sure to check back for new information as these symptoms are encountered.

Internal comments (BO)	QJ Number 1-9353382193
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Temporary solution	Temporary solution
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Solution visibility	Dealer distribution
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Function(s)/component(s) affected

Function affected	fuel supply , fuel system
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Function Group

Function Group	234 fuel tank, fuel lines, evaporator system
Customer effect	
Main customer effect	temperature , road behaviour , efficiency/abnormal behavior , stop/start
Fluid problem	restriction
Fluid implicated	air , fuel
Road behaviour	driveability
Lights/Messages on information display	 Fuel supply anomaly warning pictogram / Fuel filter clogging detection anomaly warning pictogram ,  "Service" warning light: Make your way to the nearest RENAULT TRUCKS service point or dealer
Conditions	
Vehicle operating mode	when driving , when stationary , severe usage
Frequency of occurrence of problem	random
Weather conditions	snow , ice
External temperature	<-20 °C , -20 / -10 °C
Administration	
Author	RU4469V
Dealer ID	RU4469V
Last modified by	RU4469V
Creation date	15-03-2018 20:03
Date of last update	20-03-2018 19:03
Review date	17-09-2018 00:09
Status	Published
NA_MACK_Vehicle_Range	
NA_MACK_Vehicle_Range	Cabover , Conventional
NA_VOLVO_Vehicle_Range	
NA_VOLVO_Vehicle_Range	Conventional
Engine family	
Engine family	Cummins , Volvo , Mack