

Procedure for When Diesel Fuel Tank is Filled with Incorrect Fuel Type

Topic number	LI47.10-P-046862
Version	5
Design group	47.10 Fuel tank
Date	04-01-2016
Validity	Model 164.122/125/822/825 Model 166.004/024/824 Model 211.022/026 Model 212.004/024/097 Model 221.183 Model 251.122/125 Model 204.904
Reason for change	removed SB reference from title
Reason for block	

Complaint:

Procedure for When Diesel Fuel Tank is Filled with Incorrect Fuel Type such as gasoline, water, Biodiesel, AdBlue / DEF

Cause:

Incorrect Fuel Type such as gasoline, water, Biodiesel, AdBlue / DEF

Remedy:

In addition, biodiesel fuel above 5% (B5) in the fuel tank is not permitted for use in the above model vehicles. Please follow the procedure below.

[i] Note: If the fuel tank is filled with the wrong type of fuel this may not be submitted as a warranty claim.

If the engine was NOT started after the fuel tank was filled with the wrong type of fuel, then emptying the tank and cleaning the fuel low-pressure lines should be sufficient.

If the engine was started after the fuel tank was filled with the wrong type of fuel, disconnect the Y-distributor unit (return line high pressure pump/rail) at the output and with the ignition ON collect the fuel in a clean container. Check fuel for shavings.

If there are no shavings in the injection system and the high pressure pump is not damaged, emptying the fuel tank, cleaning the low pressure lines and changing the fuel filter should resolve the condition.

If metal shavings are found in the injection system and/or the high pressure pump is damaged, replace the following components to ensure there are no metal particles in the fuel system. Refer to EPCNet for applicable part number.

a) Fuel Tank

b) Low Pressure fuel pump

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c) Fuel Filter

d) High Pressure pump

e) Rail (Including Pressure regulating valve and the rail pressure sensor)

f) High pressure lines and the leak lines

g) Injectors

The low pressure lines need to be thoroughly cleaned.

If there are no shavings in the injection system and the high pressure pump is damaged, the reason for the damaged high pressure pump must be found and resolved prior to replacing the high pressure pump.

Symptoms
Power generation / Fuel system / Fuel pump / Nonfunctional
Power generation / Fuel system / Fuel system odor / Odor

Validity		
Vehicle	Engine	Transmission
E (211) - 211.022	*	*
E (211) - 211.026	*	*
E (212) - 212.004	*	*
E (212) - 212.024	*	*
E (212) - 212.097	*	*
GL (164) - 164.822	*	*
GL (164) - 164.825	*	*
GL/GLS (166) - 166.824	*	*
GLK (204) - 204.904	*	*
M (164) - 164.122	*	*
M (164) - 164.125	*	*
M/GLE (166) - 166.004	*	*
M/GLE (166) - 166.024	*	*
R (251) - 251.122	*	*
R (251) - 251.125	*	*
S (221) - 221.183	*	*