



DTC (Code) P008A-00 / P0087-00
Codigo:

Bulletin: RD19-002
Date Fecha: April 01, 2019

Description: See description(s) below

Application: US13 – US20 Emissions

General Information

These repair instructions are intended to address the following fault(s):

DTC	Description	Possible Cause	Possible (Observable) Symptoms
P008A-00	Low Pressure Fuel System Pressure - Too Low	• Clogged fuel filter • Low fuel level • Fuel tank ventilation is not working properly • Fuel pump malfunctioning • Engine Fuel Pressure Sensor • Air in the fuel system	• Difficult starting • Low Power
P0087-00	Fuel Rail/System Pressure - Too Low Bank 1	• Rail pressure sensor • Wiring harness between component connector and electronic control unit (ECU) connector	• Low Power • Engine speed limited to 1500 rpm

Required Parts

Part Number	Description	Quantity
21764964	Primary Filter, Long Life	1
22474709	Secondary Filter, Long Life	1

OR

Part Number	Description	Quantity
21764966	Primary Filter, standard	1
22253547	Secondary Filter, standard	1

NOTE: The result of receiving this repair instruction is because P008A-00 and P0087-00 fault codes are/were both active at the same time.

NOTE: Before proceeding, please make sure that **ALL** electronic control modules are up to date and there are no pending updates available.

NOTE: The new USA17 Emission Engines Secondary Fuel Filters have a "DEEP" groove end cap with a seal to fit on the new Fuel Filter Housings. Previous filters had a "SHALLOW" groove end cap and will not fit nor seal properly on USA17 Emission Engines Fuel Filter Housings. It is also possible that metal debris may be created when trying to install the incorrect filter. The Secondary Filter is mounted in the forward position on the Fuel Filter Housing. The Primary Filter is mounted behind the Secondary, or on the frame rail. USA17 Emission Engines require a 4 micron Secondary Filter.



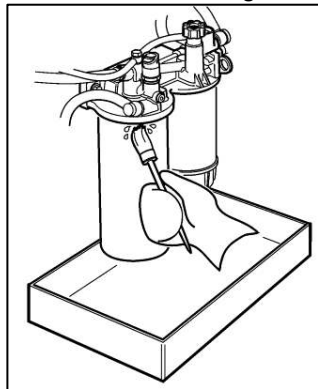
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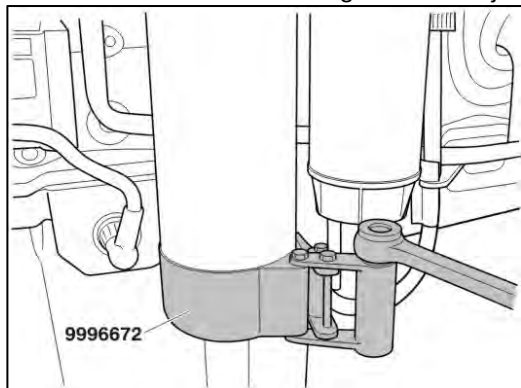
Repair Instructions

Fuel Filter, Replacement (One)

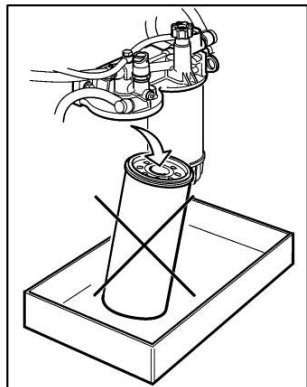
1. Clean around sealing area on fuel filter and housing.



2. Before removing the fuel filter, position a container under filter to catch any fuel that might spill. Remove the fuel filter. **Note:** Fuel in the old filter **must absolutely not** be poured into the new filter. This kind of contaminated fuel can damage the unit injectors. Special tools: 9996672



3. Lubricate the seal with clean engine oil and install the filter. Tighten according to the instructions on the filter.





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4. Prime the fuel system by pumping the hand priming pump on the fuel filter housing until resistance is felt indicating that the system is full of fuel.
5. Start the engine and carry out a fuel-tightness check.
6. Let the engine run for about 5 minutes to remove air pockets from the fuel system. *Note: The engine speed must **not** be increased; otherwise air can be pressed into the cylinder head, causing the engine to stop.*
7. Use Guided Diagnostics to read and clear any diagnostic trouble codes (DTCs).

Additional Resources

These repairs are the most likely fix for the identified fault, if this does not fix the issue, Tech Tool will need to be used for more detailed diagnostics. If filing a warranty claim, please include the ASIST case number.

Labor Code	
2335-03-03-02	0.4
Causal Part	21764964