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Service Information Bulletin

SUBJECT	DATE
Contaminated Fluids	March 2016

Additions, Revisions, or Updates

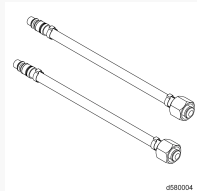
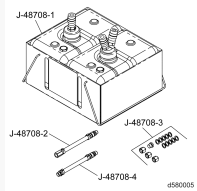
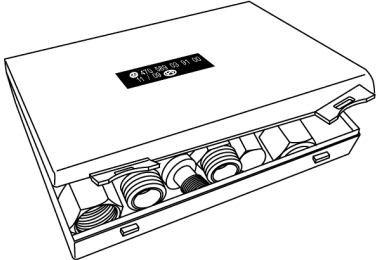
Publication Number / Title	Platform	Section Title	Change
DDC-SVC-MAN-0084	DD Platform	Metal in the Fuel System -Three-Filter Fuel System	Modified first three steps to verify metal presence.
DDC-SVC-MAN-0184	DD Platform - EuroIV		



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2 Metal in the Fuel System – Three-Filter Fuel System

Table 1.

Service Tools Used in the Procedure		
Tool Number	Tool Description	Tool Graphic
J-48707	Fuel Filter Module Inlet / Outlet Hose	
J-48708-1	Fuel Flow Tool	
W470589039100	Fuel System Tool Update Kit Without Motor Control Module (MCM) Cooler	 d580142

Check as follows:

1. Disconnect the chassis return line from the fuel filter module.
2. Clean Fuel Filter Module Inlet/Outlet Hoses (J-48707) and Fuel Flow Tool (J-48708-1) with clean diesel fuel.
3. Install the Fuel Filter Module Inlet/Outlet Hose tool (J-48707) and the Fuel System Tool Update Kit (without Motor Control Module (MCM) Cooler) (W470589039100) on to the chassis return line fitting (located on the fuel filter module).



WARNING: PERSONAL INJURY

Diesel engine exhaust and some of its constituents are known to the State of California to cause cancer, birth defects, and other reproductive harm.

- Always start and operate an engine in a well ventilated area.
- If operating an engine in an enclosed area, vent the exhaust to the outside.
- Do not modify or tamper with the exhaust system or emission control system.

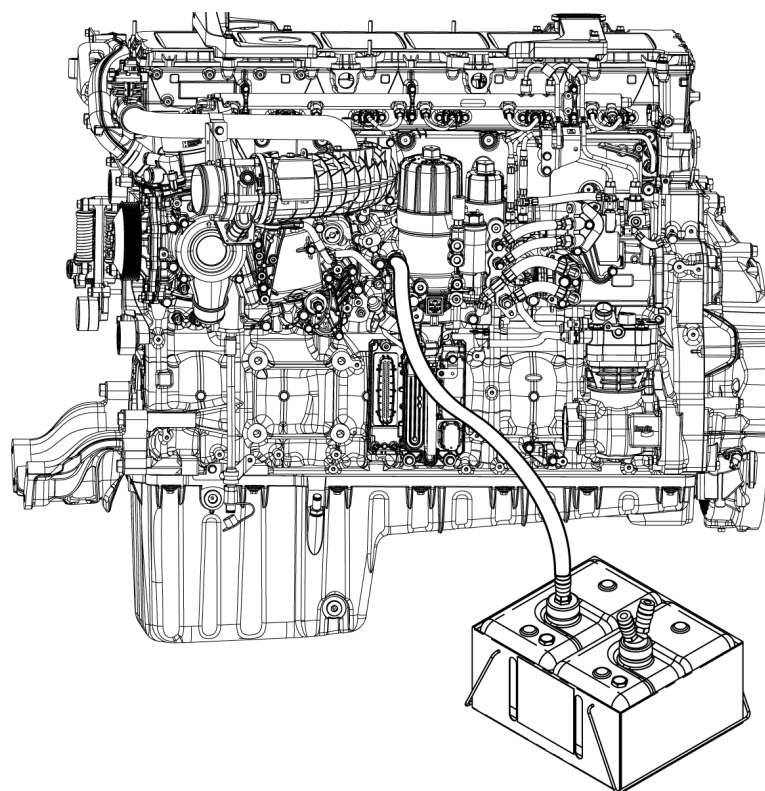
**WARNING: PERSONAL INJURY**

To avoid injury, never remove any engine component while the engine is running.

**WARNING: PERSONAL INJURY**

To avoid injury before starting and running the engine, ensure the vehicle is parked on a level surface, parking brake is set, and the wheels are blocked.

4. Run the engine at idle until J-48708-1 is full with fuel. Using a magnet, check the fuel in J-48708 for magnetic debris. Is any magnetic debris present?



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- a. Yes; Go to step 5.
 - b. No; drain the fuel out of J-48708-1 and repeat step 4. If magnetic debris is found after repeating step 4, Go to step 5. If magnetic debris is not found after repeating step 4, replace the fuel filters and inspect the fuel tank(s) for metal debris. If metal debris is found in the fuel tank(s), clean the fuel tank(s). Refer to OEM procedures. Refer to section "Installation of the Fuel Prefilter - Three-Filter System". Refer to section "Installation of the Water Separator/Coalescer - Three-Filter System". Refer to section "Installation of the Final Filter - Three-Filter System".
5. Remove the Pressure Limiting Valve (PLV). Refer to section "Removal of the Pressure Limiting Valve - Three-Filter System". Using a magnet, check the inside of the fuel rail for magnetic debris. Is any magnetic debris present?
 - a. Yes; replace the following components:
 - High pressure fuel pump. Refer to section "Removal of the High Pressure Fuel Pump - Three-Filter System".
 - Fuel filter module. Refer to section "Removal of the Fuel Filter Module - Three-Filter System".
 - High pressure fuel injector lines. Refer to section "Removal of the High Pressure Fuel Injector Lines - Three-Filter System".
 - High pressure fuel rail feed lines. Refer to section "Removal of the High Pressure Fuel Rail Feed Lines - Three-Filter System".
 - Fuel injectors. Refer to section "Removal of the Fuel Injector - Three-Filter System".

- High pressure flange. Refer to section "Removal of the High Pressure Fuel Flange - Three-Filter System".
- Frame-mounted filter (if equipped).

Clean the following components:

- Low pressure lines. Refer to section "Removal of the Low Pressure Fuel Pump Lines - Three-Filter System".
- Low pressure flange. Refer to section "Removal of the Low Pressure Fuel Flange - Three-Filter System".
- Doser supply line. Refer to section "Removal of the Hydrocarbon Doser Block Feed Line".
- Return lines. Refer to section "Removal of the Needle, Amplifier, and Pressure Limiting Valve Return Lines - Three-Filter System".
- Fuel rail. Refer to section "Removal of the Fuel Rail - Three-Filter System".
- Frame-mounted filter housing (if equipped).
- OEM supply and return lines. Refer to OEM procedures.
- Fuel tank(s). Refer to OEM procedures.

b. No; replace the following:

- High pressure fuel pump. Refer to section "Removal of the Fuel Prefilter - Three-Filter System".
- Fuel filter module. Refer to section "Removal of the Fuel Filter Module - Three-Filter System".
- High pressure fuel rail feed lines. Refer to section "Removal of the High Pressure Fuel Rail Feed Lines - Three-Filter System".
- High pressure flange. Refer to section "Removal of the High Pressure Fuel Flange - Three-Filter System".
- Frame mounted filter (if equipped).

Clean the following components:

- Fuel tank(s). Refer to OEM procedures.
- Low pressure lines. Refer to section "Removal of the Low Pressure Fuel Pump Lines - Three-Filter System".
- Doser supply line. Refer to section "Removal of the Hydrocarbon Doser Block Feed Line".
- Return lines. Refer to section "Removal of the Needle, Amplifier, and Pressure Limiting Valve Return Lines - Three-Filter System".
- Frame-mounted filter housing (if equipped).
- OEM supply and return lines. Refer to OEM procedures.