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Coding Information

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Title: DPF replacement-critical steps for technicians

Applies To: 2007 Model Year MaxxForce 11 and 13

What special steps should I take after replacing (or cleaning) a DPF?

1. If the prior DPF failed, make certain that the cause was identified and corrected.
2. Whenever replacing a DPF and there is black soot inside the tailpipe, this soot must be cleaned off so that the new DPF is not later thought to have a problem.
3. Refer to the Diesel Particulate Filter Replacement screen in ServiceMaxx when replacing or cleaning a DPF (MF11&13). Follow the instructions on the screen.

Instructions

2010 MaxxForce 11 and 13. Information about the Diesel Particulate Filter (DPF) is stored in the engine control module. When a new DPF is installed on a vehicle, or if the DPF is cleaned and reinstalled, this information needs to be updated.

- 1) If a new DPF is being installed, record the DPF serial number.
- 2) Install the DPF on the Vehicle.
- 3) If a new DPF has been installed, enter the new DPF serial number and installation date (format: YYYYMMDD) on the screen to the right. If the DPF has been cleaned and reinstalled, only the date information needs to be updated.
- 4) Press the 'DPF Has Been Serviced' button on the screen to the right.

DPF Service

DPF Serial Number:

DPF Cleaning/Installation Date:

Diagnostic Trouble Codes

DTC	SPN	FMI	Type	Freeze Frame	Message	Module
N/A	1213	5	Pending	✓	MIL open load/circuit	Engine
N/A	157	3	Active	✓	FPF signal Out of Range HIGH	Engine
N/A	633	5	Active	✓	FPFV open load/circuit	Engine
N/A	105	3	Active	✓	INT signal Out of Range HIGH	Engine
N/A	3251	4	Active	✓	DPFDP signal Out of Range LOW	Engine
N/A	412	3	Active	✓	EGRT signal Out of Range HIGH	Engine
N/A	4766	3	Active	✓	DOCOT signal Out of Range HIGH	Engine
N/A	5541	3	Active	✓	TCITOP signal Out of Range HIGH	Engine

Build 399-201105302253 Probe not needed

4. Reset DPF Soot load accumulator (MF11&13) [IK1200481](#)
5. Run Onboard Filter Cleanliness Test with ServiceMaxx
6. The Original and Replacement DPF serial number must be entered in the appropriate field on the repair tab in iClaim.
7. Clean the Aftertreatment Fuel Injector (AFI, doser) on the 2007 emissions 11&13L & Cummins ISX ([IK1200425](#))

8. Inspect for excessive exhaust leaks. Exhaust leaks reduce the effectiveness of passive regeneration and result in more active regenerations (reduces fuel economy).
9. Inspect for boost leaks. Leaks on the intake side can cause DPF and DOC plugging.
10. Return the DPF core as instructed and properly packaged

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