



Service Information Bulletin

NUMBER: 4 6–09 **S.M. REF.:** Listed in Table **ENGINE:** EPA07 Aftertreatment **DATE:** April 2009

SUBJECT: SPN 3480

ADDITIONS, REVISIONS, OR UPDATES

Publication Number	Platform	Section Title	Change	Page Number(s)
DDC-SVC-MAN-0036	EPA07 Aftertreatment Technicians Manual	16 SPN 3480	SPN 3480/FMI 1, 14, and 31 have been revised.	16–1

NOTE: Page numbers are based on the most recent version of the individual publication and may be adjusted throughout the annual print cycle.

SPN 3480/FMI 1

Check as follows:

1. Connect DDDL 7.4 or higher.
2. Is SPN 4077 FMI 14 also present (active or inactive)?
 - [a] Yes; repair 4077 FMI 14 first.
 - [b] No; go to next step.

NOTE:

One fuel drip may cause failure.

3. Visually inspect all fuel line connections to the HC Doser Block assembly and the Fuel Injection Valve for leaks.

 WARNING: ENGINE EXHAUST
To avoid injury from inhaling engine exhaust, always operate the engine in a well-ventilated area. Engine exhaust is toxic.

4. Start engine.

NOTE:

Only run routine once.

5. Run HC Doser Purge Routine.
6. Once fuel cutoff goes to 100% begin monitoring fuel compensation pressure.
 - [a] If pressure is between 10 and 95 psi, go to low fuel pressure test; after repair go to next step.
 - [b] If fuel compensation pressure is less than 10 psi, replace HC doser block assembly; after repair, go to next step.

 **WARNING:**
HOT EXHAUST

During parked regeneration the exhaust gases will be extremely HOT and could cause a fire if directed at combustible materials. The vehicle must be parked outside.

7. Using DDDL initiate a high idle regeneration.
 - [a] If 3480/1 becomes active, repeat steps 2 through 6; if same results are found contact Customer Support Center.
 - [b] If regen completes, clear inactive codes; release vehicle.

SPN 3480/FMI 14

Check as follows:

1. Disconnect the Fuel Compensation and Doser Line Pressure sensors and inspect harness connectors for bent, spread or corroded pins.
 - [a] If pin damage is found, repair as necessary; go to step 4.
 - [b] If no damage is found, replace the HC Doser Block Assembly; go to next step.
2. Connect DDDL.
3. Perform HC Doser Purge Routine; go to next step.

 WARNING: HOT EXHAUST
During parked regeneration the exhaust gases will be extremely HOT and could cause a fire if directed at combustible materials. The vehicle must be parked outside.

4. Perform a parked regeneration.
 - [a] If regeneration is successful, repairs are complete.
 - [b] If any faults become active during regen, refer to appropriate service procedure.

SPN 3480/FMI 31

Check as follows:

1. Visually inspect all fuel line connections to the HC Doser Block assembly and the Fuel Injection Valve for leaks.

NOTE:

One fuel drip may cause failure.

- [a] If external leaks are found, repair as necessary, go to step 3.
 - [b] If no external leaks are found, go to next step.
2. Disconnect the Fuel Compensation and Doser Line Pressure sensors and inspect harness connectors for bent, spread or corroded pins.
 - [a] If pin damage is found, repair as necessary; go to next step.
 - [b] If no damage is found, replace the HC Doser Block Assembly; go to next step.

 **WARNING:**
ENGINE EXHAUST

To avoid injury from inhaling engine exhaust, always operate the engine in a well-ventilated area. Engine exhaust is toxic.

3. Connect DDDL.
4. Perform HC Doser Purge Routine; go to next step.
5. Perform a parked regeneration.
 - [a] If regeneration is successful, repairs are complete.
 - [b] If any faults become active during regen, refer to appropriate service procedure.

ADDITIONAL SERVICE INFORMATION

Additional service information is available in *Power Service Literature*.

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