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Service Information Bulletin

SUBJECT	DATE
Performing a Parked Regeneration	June 2013

Additions, Revisions, or Updates

Publication Number / Title	Platform	Section Title	Change
DDC-SVC-MAN-0075	EPA10/ GHG14 DD Platform	Performing a Parked Regeneration	Added a Note before Step 1 of the procedure. Changed Step 1 to a Note; there are four steps instead of five.
DDC-SVC-MAN-0083			



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2 Performing a Parked Regeneration

Perform a Parked Regeneration as follows:



WARNING: ENGINE EXHAUST

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



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.

NOTE: Under factory default settings, when the Diesel Particulate Filter (DPF) Regeneration Lamp is not illuminated, the regeneration request switch is disabled.

NOTE: The driver **MUST** stay with the vehicle throughout the regeneration process.

NOTE: Not all vehicles may be equipped with a Regeneration Request Switch due to application or user specification.

NOTE: The procedure will take approximately 30 to 40 minutes (depending on engine type and the amount of soot accumulated in the DPF).

When the parked regeneration request is accepted, the Diesel Particulate Filter (DPF) Regeneration lamp will turn ON one time for one second and then turn off for the remainder of the parked regeneration. The High Exhaust System Temperature (HEST) lamp will flash for one second every ten seconds and eventually become solid when the tailpipe temperature is above 525°C (977°F).

The engine speed will increase to 1100 RPM for all DD Platform engines. The regeneration will take 30 to 40 minutes. The regeneration is complete when the engine returns to low idle and the DPF lamp remains OFF. The HEST lamp will remain ON, but the vehicle may be driven.

NOTE: A parked regeneration will STOP and the engine will return to low idle if any of the following happens:

- The key is turned to the OFF position
- The vehicle is put into gear
- The clutch is cycled
- The parking brake is released

NOTE: If a parked regeneration is being performed to check NOx conversion, the calculated ambient temperature in the ACM (AS053) must be above 0°C (32°F) or the test will fail.

NOTE: If the HEST LAMP is FLASHING, a regeneration is in process and the system is coming up to temperature.

1. Keep engine at slow idle (cannot be in Fast Idle or PTO Mode). Put transmission in neutral (if equipped with an automatic transmission, cycle it into gear and then back to neutral).

NOTICE: Air tank pressure must be high enough for the parking brake switch to hold in the OFF position.

2. Set park brake (cycle the park brake OFF then ON for CPC R21 or lower software).
3. Press and release clutch pedal once per ignition cycle (if configured).
4. Hold DPF Switch to the ON position for five seconds and then release (engine speed will increase and DPF lamp will go out).



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