



DETROIT™
DEMAND PERFORMANCE™

PARKED REGENERATION PROCEDURE

1. Keep engine at slow idle (cannot be in PTO mode).
2. Cycle transmission out of neutral and back into neutral.*
3. Cycle the park brake from OFF to ON.*
4. Press and release clutch pedal.*
5. Hold DPF Switch to the ON position for five (5) seconds, then release. Engine speed will increase and DPF Lamp will go out.

DPF Switch



Push to initiate

- The parked regeneration may take up to 40 minutes.
- The parked regeneration is complete when the engine returns to idle and the DPF lamp remains off. The HEST light may remain on, but the vehicle can be driven.
- A parked regeneration will stop if the key is turned to the OFF position, clutch is depressed, the truck is put into gear or the parking brake is released.

*These steps are not required on GHG14 engines or later.

DIESEL EXHAUST FLUID (DEF) INDICATOR LAMPS

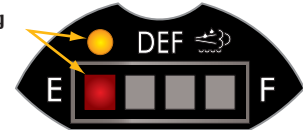
DEF level is very low



DEF level is **EMPTY**



Flashing

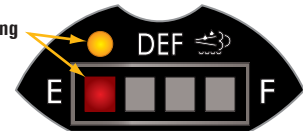


Vehicle speed limited to 55 mph / engine derated

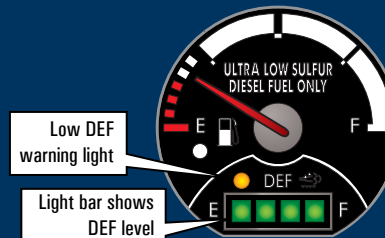
DEF level is **EMPTY** and **IGNORED**



Flashing



Vehicle speed limited to 5 mph / engine derated



- The use of improper fluid will trigger a decrease in engine performance.
- In the empty and ignored state, vehicle speed will be limited to 5 mph until DEF is detected in the tank.
- The light bar indicates the level of fluid in the DEF tank.
- Low DEF levels will trigger a decrease in engine performance.

NOTIFICATION AND DESCRIPTION

DRIVER ACTION



Check Engine Lamp or Amber Warning Light (CEL or AWL)

- Engine controls, aftertreatment control system and/or component issues exist.

Vehicle can be driven to end of shift. Call for service.



High Exhaust System Temperature Lamp (HEST)

- **Solid:** Exhaust is at **high** temperature and vehicle is at low speed or parked.
- **Flashing:** Parked regeneration in process. System is not up to temperature.

No change in driving style is required. When parked, keep vehicle at a safe distance from people and flammable materials or vapors.



Malfunction Indicator Lamp (MIL) / Check Engine Lamp

- There is a potential problem with the emission control system or component.
- May illuminate at the same time as the Check Engine Lamp.
- Driving for a prolonged period with the MIL on can cause damage to the engine and/or aftertreatment system as well as degrade mileage and drivability.

Vehicle can be driven to end of the shift. If the MIL remains on after 3 drive cycles, call for service.



DPF Regeneration Lamp

- **Solid:** Parked regeneration may be needed.
- **Flashing** Parked regeneration is required as soon as possible.
- Diesel Particulate Filter reaching system limits.

Perform a parked regeneration **OR** bring vehicle to highway speeds to enable Automatic Regeneration of the filter.

Flashing



DPF Regeneration Lamp / Check Engine Lamp ENGINE DERATED

- Diesel Particulate Filter has **reached** system limits.

A parked regeneration **must** be performed. If the parked regeneration exits and the lamps remain on, repeat the parked regeneration. If the second attempt fails, call for service.



Flashing



Stop Engine Lamp ENGINE SHUTDOWN

- Diesel Particulate Filter has **exceeded** system limits.

A parked regeneration **must** be performed. If the parked regeneration exits and the lamps remain on, repeat the parked regeneration. If the second attempt fails, call for service.



Note: Engine can be restarted, but a parked regeneration must be initiated within 30 seconds or the engine will shutdown.



Fuel Filter Restriction Sensor Lamp (FFRS)

- Fuel Filter is restricted.

Driver has one to three days to seek service or the engine may derate.



Water In Fuel Lamp (WIF)

- Water level is too high and must be drained from the fuel system.

Engine water separator must be drained or an engine derate will occur.

(Some notifications may be reported by Virtual Technician™.)

