

Cummins Diesel Particulate Filter (DPF) Regeneration

This vehicle is equipped with a Diesel Particulate Filter as part of its exhaust after-treatment system. The DPF traps diesel particulates and requires periodic service to ensure it functions properly. Servicing involves regeneration (burning) of trapped particulates. The engine ECM sensors detect when regeneration is required. When regeneration is needed, the operator must perform a “Stationary” regeneration. **Not performing a regeneration when required WILL result in damage to the vehicle exhaust system.**

High Exhaust Temperature Lamp

The “HIGH EXH TEMP” lamp is on when high exhaust temperature is detected. If it lights during vehicle operation, the engine should be stopped and the exhaust allowed to cool before restarting the engine.



DPF Regeneration Needed Warning Lamps

The “DPF REGEN NEEDED” lamp indicates, when on or flashing, that the diesel particulate filter REQUIRES regeneration. When combined with the “CHECK ENGINE” lamp or the “STOP ENGINE” lamp, immediate operator action is required.

DPF Regeneration Warning System

When the “DPF REGEN NEEDED” lamp is illuminated, the operator needs to perform a “Stationary Regeneration.” This procedure must be performed in the next 2-6 hours of operation. When the lamp begins to flash, a regeneration is required in the next 1-2 hours of operation and engine power may be reduced automatically.

If the “CHECK ENGINE” lamp is illuminated with a flashing “DPF REGEN NEEDED” lamp, the regeneration must be performed immediately to prevent system damage. Engine power will be reduced automatically.

If the “STOP ENGINE” lamp is illuminated with a flashing “DPF REGEN NEEDED” lamp, the exhaust system has been damaged and the vehicle must be stopped as soon as safety permits and remain shut down until serviced by an authorized Cummins repair facility.

Diagnostic Switch to initiate a regeneration cycle.

Performing a Stationary Regeneration

- 1) Park the vehicle in an area where it can safely idle for up to 50 minutes. The regeneration period may be from 5 to 50 minutes depending on severity.
- 2) Set the parking brake and let the truck idle.
- 3) Turn the diagnostic switch, located under the dash below the ignition switch, to the “ON” position. There are two switches in the panel, the diagnostic switch is the left one.
- 4) Do not throttle the engine nor apply the brake until the regeneration is complete and the warning lamps are off.
- 5) Turn the diagnostic switch to the “OFF” position after regeneration is completed.
- 6) The vehicle is now ready to return to service.

