



ENGINE EXHAUST

AFTERTREATMENT

QUICK REFERENCE GUIDE

THREE POSITION REGENERATION SWITCH

Start

Depressing the button in the **START** direction for 4 seconds will initiate a parked regeneration.

Center

Center is the normal position of the switch.

The center position will allow an automatic regeneration to occur.

Stop

When **STOP** is pressed the system will not regenerate under any conditions.

Do not leave the switch in the Stop position unless you need to cancel or stop regeneration.

Note: This information is for reference only. Consult the Aftertreatment Supplement (Y53-6005) included with your vehicle for a complete description of exhaust aftertreatment.



**CONVENTIONAL
MODEL TRUCKS**



CLASS PAYS

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EXHAUST SYSTEM WARNING LAMP/ICONS



High Exhaust System Temperature – HEST
Warns the driver when exhaust temperature is elevated.



Check Engine
Indicates exhaust system operating conditions that will cause engine de-rate.



Diesel Particulate Filter – DPF
Indicates when the DPF requires regeneration.



Stop Engine
Indicates exhaust system operating conditions that will force engine shut-down.

EXHAUST SYSTEM WARNINGS

OPERATOR ACTIONS



DPF lamp is on steady.

1st Level Warning

The DPF is becoming clogged with soot and needs regeneration. If the warning is ignored the DPF will become increasingly **clogged**.*



DPF lamp flashes once every second.

2nd Level Warning

The DPF is becoming increasingly clogged with soot, and requires regenerating soon. If the warning is ignored the DPF will become increasingly clogged and could result in an **engine de-rate**.*



DPF lamp flashes.



Check Engine Warning lamp is on.

3rd Level Warning

The engine de-rates power, because the DPF is clogged with soot. The DPF requires immediate regeneration. If the warning is ignored the vehicle will soon begin an **engine shutdown**.*



Caterpillar Engine
DPF lamp flashes.



Check Engine Warning lamp is on.

4th Level Warning

Regeneration cannot be performed, and the engine ECU will begin a shutdown sequence.



Stop Engine lamp is on.

When the engine begins to shutdown, you CANNOT initiate regeneration. Refer to the Engine Manufacturer's Operation and Maintenance Manual for further instructions.



Cummins Engine

Stop Engine lamp is on.

The DPF and Check Engine warning lamps will turn OFF.

Dealership Service will be required.