Parked Regeneration Procedure

The engine should be fully warmed up (coolant temperature above 185°F)

Engine must be at slow idle (cannot be in Fast Idle or PTO Mode)

The transmission must be in neutral

Set the park brake (cycle the park brake OFF to ON)

Press and release the clutch pedal (if configured)

Hold the DPF Switch to the ON position for five (5) seconds and release (engine speed will increase and DPF Lamp will go out)

The regeneration will take approximately 20-40 min.

The regeneration is complete when the engine returns to low idle and the DPF lamp remains off.

If the DPF lamp comes back on the regeneration failed. (Contact the Customer Support Center)

To Cancel a Parked Regeneration hold the DPF Switch to the ON position for five (5) seconds and release.

A Parked Regeneration will stop if the key is turned to the off position, the truck is put into gear or the parking brake is released.

<table>
<thead>
<tr>
<th>INDICATOR LAMP</th>
<th>DESCRIPTION</th>
<th>DRIVER ACTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Amber Warning Lamp (AWL)</td>
<td>Indicates a fault with the engine controls.</td>
<td>Vehicle can be driven to end of shift. Call for service.</td>
</tr>
<tr>
<td>Red Stop Lamp (RSL)</td>
<td>Indicates a major engine fault that may result in engine damage. Engine derate and/or shutdown sequence will be initiated.</td>
<td>Move the vehicle to the nearest safe location and shut down the engine. Call for service</td>
</tr>
<tr>
<td>DPF Regeneration Lamp</td>
<td>Solid yellow indicates a parked regeneration may be needed. Blinking yellow, derate and/or shutdown are possible as soot load continues to increase. Lamp will shut off during parked regeneration.</td>
<td>Bring Vehicle to highway speeds to allow for an Automatic Regeneration OR Perform a Parked Regeneration</td>
</tr>
<tr>
<td>High Exhaust System Temperature Lamp (HEST)</td>
<td>This is a information indicator. It indicates exhaust temperature is above a preset limit and the unit is operating at low vehicle speed. Lamp is yellow.</td>
<td>Vehicle can be driven.</td>
</tr>
<tr>
<td>Malfunction Indicator Lamp (MIL)</td>
<td>Yellow lamp indicates a failure of an Emission Control device. May illuminate at the same time as the Amber Warning Lamp.</td>
<td>Vehicle can be driven to end of the shift. Call for service.</td>
</tr>
</tbody>
</table>

Detroit Diesel Customer Support Center: 313-592-5800
# Exhaust Aftertreatment System Information

<table>
<thead>
<tr>
<th>Indicator Lamp(s)</th>
<th>Level 1</th>
<th>Level 2</th>
<th>Level 3</th>
<th>Level 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engine Indicator Lamp Message(s)</td>
<td>Filter Regeneration Recommended</td>
<td>Filter Regeneration Necessary</td>
<td>Parked Regeneration Required – Engine Derate</td>
<td>Parked Regeneration Required – Engine Shut Down</td>
</tr>
<tr>
<td>Diesel Particulate Filter Condition</td>
<td>Filter is reaching capacity.</td>
<td>Filter is now reaching maximum capacity.</td>
<td>Filter has reached maximum capacity.</td>
<td>Filter has exceeded maximum capacity.</td>
</tr>
<tr>
<td>Required Action</td>
<td>Bring vehicle to highway speeds to allow for an Automatic Regeneration or perform a Parked Regeneration.</td>
<td>To avoid engine derate bring vehicle to highway speeds to allow for an Automatic Regeneration or perform a Parked Regeneration as soon as possible.</td>
<td>Vehicle must be parked and a Parked Regeneration must be performed – engine will begin derate.</td>
<td>Vehicle must be parked and a Parked Regeneration or Service Regeneration must be performed. Check engine operator’s manual for details – engine will shut down.</td>
</tr>
</tbody>
</table>

For a driver Parked Regeneration there must be a dash mounted Regeneration Switch.

See Operator’s Manual for complete Regeneration Instructions.

---

**WARNING**

HEST (High Exhaust System Temperature)

Exhaust Components and exhaust gas are operating at high temperature. When stationary, keep away from people and flammable materials, vapors, or structures.
Regeneration Process – Engine Indicator Lamps

Soot accumulates in filter over time

NO DRIVER INTERACTION REQUIRED, FILTER CLEANING (also called regeneration) IS FULLY AUTOMATIC.

You will only see warning lights if the filter cannot perform an automatic cleaning.

Bring vehicle to highway speeds to allow for an Automatic Regeneration
OR Perform a Parked Regeneration. FILTER REGENERATION RECOMMENDED.

Bring vehicle to highway speeds to allow for an Automatic Regeneration
OR Perform a Parked Regeneration as soon as possible. FILTER REGENERATION NECESSARY.

Vehicle must be parked and a Parked Regeneration OR Service Regeneration must be performed.
PARKED REGENERATION REQUIRED – ENGINE DERATE.

Vehicle must be parked and a Parked Regeneration OR Service Regeneration must be performed.
PARKED REGENERATION REQUIRED – ENGINE SHUTDOWN.

Note: Consult the Owner Operators Guide for a complete description of aftertreatment system.

Detroit Diesel Customer Support Center: 313-592-5800