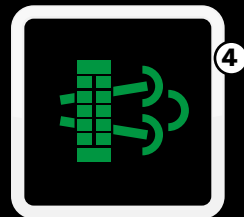
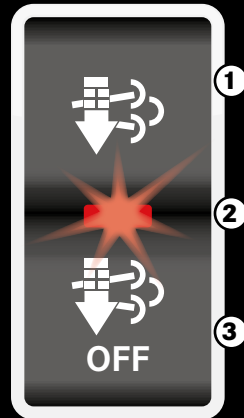


# Mercedes-Benz Trucks – Euro VI Diesel Particulate Filter (DPF)

All Mercedes-Benz Euro VI trucks have a Diesel Particulate Filter (DPF). This filter collects particulates generated by the engine in normal driving to prevent their escape to the atmosphere. Regeneration is the process used to remove the collected particulates from the filter, and involves increasing the temperature in the filter to oxidise the particulates.

## Regeneration can take place in three ways:

- **Passive regeneration** – When the temperature in the exhaust is high enough to oxidise the collected particulates without intervention. This process occurs without driver intervention and does not show any messages on the instrument cluster.
- **Active regeneration** – When the level of particulates is high enough and the vehicle operating conditions allow, the vehicle will increase the exhaust temperature and start the regeneration process. This happens automatically without driver intervention and is normal. The driver is informed of this process with a green symbol on the instrument cluster **4**
- **Manual regeneration** – Stationary regeneration is possible if operating conditions do not allow the above processes to deal adequately with the collected particulates. This is only possible when the vehicle prompts you to do so via the instrument cluster and lasts between 30 and 60 minutes, during which time the vehicle cannot be driven.



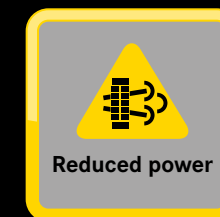
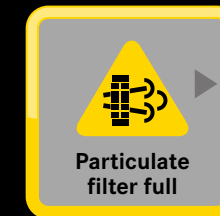
## To prevent active regeneration or stop manual regeneration:

- Press the lower section of the regeneration button **3**. The indicator light **2** will light up to confirm this has been done.




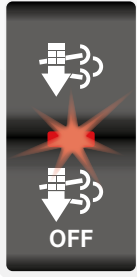
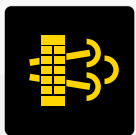


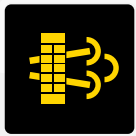


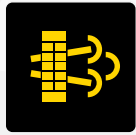


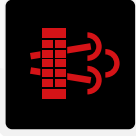

## To start manual regeneration:

- Stop the vehicle, paying attention to road and traffic conditions, and keep the engine running.
- Maintain a distance of at least 1 metre to other vehicles, objects and all flammable materials
- Apply the parking brake and select neutral, making sure the accelerator pedal is not pressed and that any power take-off is not engaged
- Press the upper section of the regeneration button **1** for approximately 3 seconds
- The green symbol **4** lights up on the instrument cluster and the engine speed is increased
- Note that manual regeneration will only begin if certain conditions are met.
- During regeneration, the engine note may change
- Regeneration will be interrupted if you release the parking brake, select a gear or press the regeneration block button **3**
- When manual regeneration is finished the engine returns to idling speed, and the green symbol **4** goes out

Ignoring the yellow message windows and their instructions may cause a reduction in engine torque and require the replacement of the Diesel Particulate Filter!



Mercedes-Benz

	Dashboard message(s)	What action is required?
HC BURNOFF	 + 	<p><b>Hydrocarbon burnoff is taking place – No special action required</b></p> <p>Exhaust temperature is no higher than normal. Drive the vehicle as normal. <b>NOTE:</b></p> <ul style="list-style-type: none"> <li>• Stopping the engine will not cause any harm</li> <li>• The process will continue until complete</li> <li>• This could take up to 20 minutes</li> </ul>
ZONE 1		<p><b>Active regeneration is taking place – No special action required</b></p> <p>The active regeneration is in process and attention must be given to higher exhaust temperatures. Drive the vehicle as normal. <b>NOTE:</b></p> <ul style="list-style-type: none"> <li>• Stopping the engine will not cause any harm</li> <li>• The process can be blocked by pressing the lower section of the regeneration button</li> <li>• The DPF will not regenerate when the red LED is lit</li> <li>• Engine note may change</li> <li>• Engine idle speed may increase on certain engines</li> </ul> 
ZONE 2	 +  + 	<p><b>Action required in the next 4-5 hours:</b></p> <p>In the next 4-5 hours, either:</p> <ul style="list-style-type: none"> <li>• Take the vehicle on a journey that involves driving on A road/motorway at speeds &gt;50 km/h.</li> </ul> <p><b>OR</b></p> <ul style="list-style-type: none"> <li>• Carry out a manual regeneration</li> </ul>
ZONE 3	 +  + 	<p><b>Action required in the next 30 minutes:</b></p> <p>In the next 30 minutes, either:</p> <ul style="list-style-type: none"> <li>• Take the vehicle on a journey that involves driving on A road/motorway at speeds &gt;50 km/h.</li> </ul> <p><b>OR</b></p> <ul style="list-style-type: none"> <li>• Carry out a manual regeneration</li> </ul>
ZONE 4	 +  +  <b>FLASHING</b>	<p><b>Action required as soon as possible:</b></p> <p>The power output of the engine is reduced. You <b>MUST:</b></p> <ul style="list-style-type: none"> <li>• Carry out a manual regeneration, as soon as possible</li> </ul>
ZONE 5	 + 	<p><b>Action required as soon as possible:</b></p> <p>The power output of the engine is reduced. You <b>MUST:</b></p> <ul style="list-style-type: none"> <li>• Visit a Mercedes-Benz workshop, as soon as possible. The DPF is full and cannot be cleaned. The DPF requires replacement.</li> </ul>