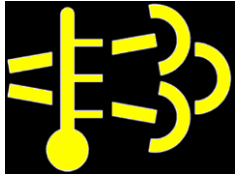

Mack DPF Indicator Lamps and Operation



Important Dash Indicator Lamps



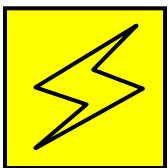
- High Exhaust System Temperature (HEST)



- DPF Status (top of Smart switch)



- DPF Inhibit (bottom of Smart switch)



- Check Engine

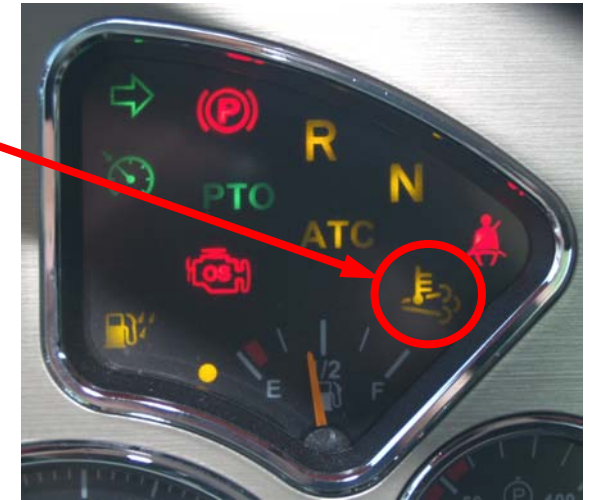
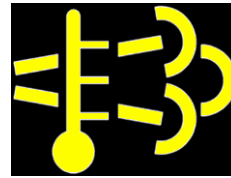


- Stop Engine



HEST Indicator

- Indicates higher than normal exhaust temperatures
- Illuminated when:
 - Regenerating while parked (manually initiated)
 - Automatically regenerating (in motion) and speed falls below 5 mph
- Does NOT illuminate when automatically regenerating (in motion) and speed is above 5 mph



- **Warning only - NO driver action required**



DPF Status Indicator

- DPF Status

- Normally off
- Illuminates when:
 - Current operating conditions do not allow for automatic regeneration and soot level has reached the point where regeneration is needed
- Pressing top of switch will initiate a parked regeneration when indicator is illuminated



DPF Inhibit Indicator

- DPF Inhibit
 - Illuminates when:
 - Bottom of switch is pressed down and regeneration is inhibited



- ***DO NOT leave DPF inhibited for extended periods. Regeneration will not occur and DPF will fill up and eventually require service.***



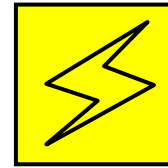
Check and Stop Engine Indicators

- **Check Engine**

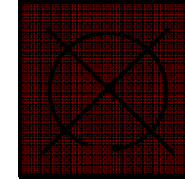
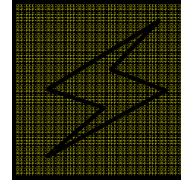
- Illuminates in conjunction with a flashing DPF Status lamp to indicate DPF is overfull.
- Accompanied by limited power derate.
- **Perform parked regeneration IMMEDIATELY**

- **Stop Engine**

- Illuminates in conjunction with a flashing DPF Status lamp to indicate DPF has exceeded maximum capacity.
- Accompanied by heavy power derate.
- **Seek service immediately**



DPF Operation



Status

System / Lamp Behavior

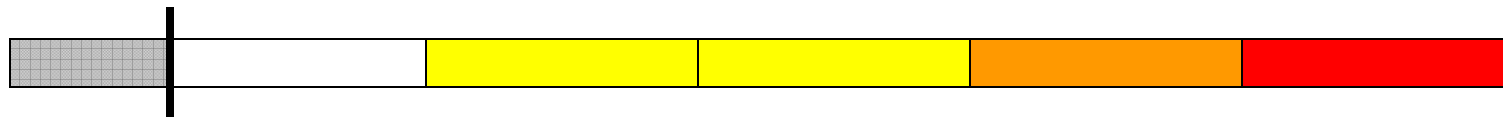
Action Required

Normal

None

None

DPF Soot Load



Empty

Level 1

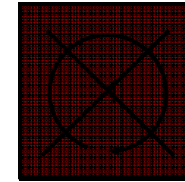
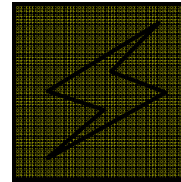
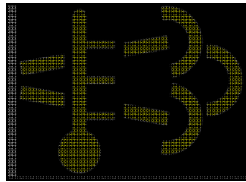
Level 2

Level 3

Level 4

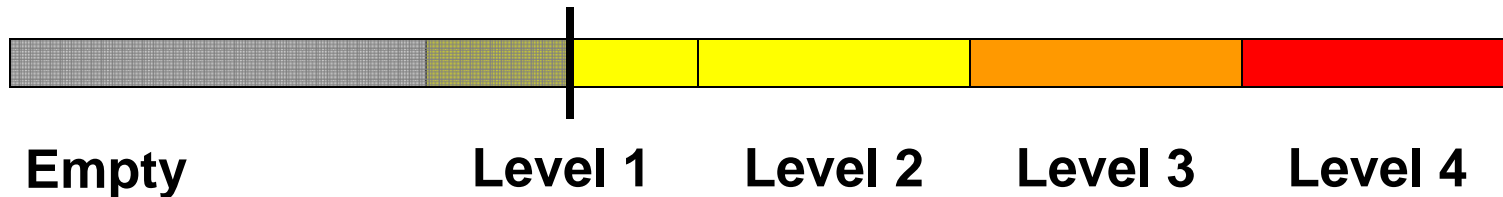


DPF Operation



<u>Status</u>	<u>System / Lamp Behavior</u>	<u>Action Required</u>
Automatic Regen over 5 mph	None	None
Automatic Regen less than 5 mph	HEST Lamp Solid	None

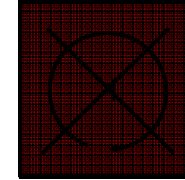
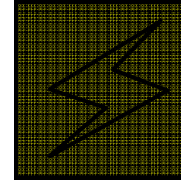
DPF Soot Load



DPF Operation

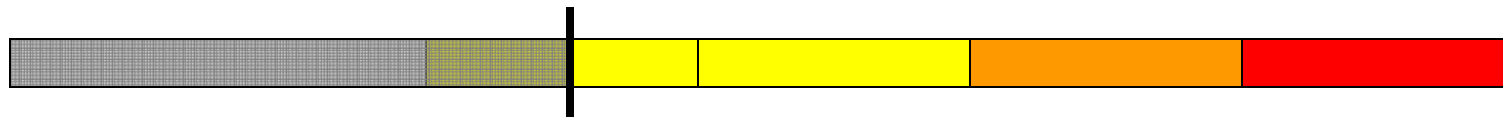


(Solid)



<u>Status</u>	<u>System / Lamp Behavior</u>	<u>Action Required</u>
Regen Needed DPF becoming full	DPF Status Lamp Solid	Maintain highway speed for auto regen - OR - Perform parked regen

DPF Soot Load



Empty

Level 1

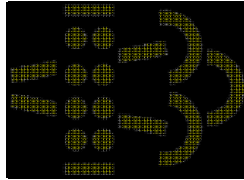
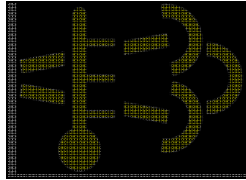
Level 2

Level 3

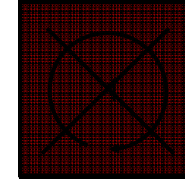
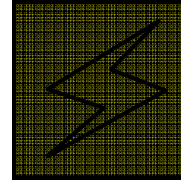
Level 4



DPF Operation

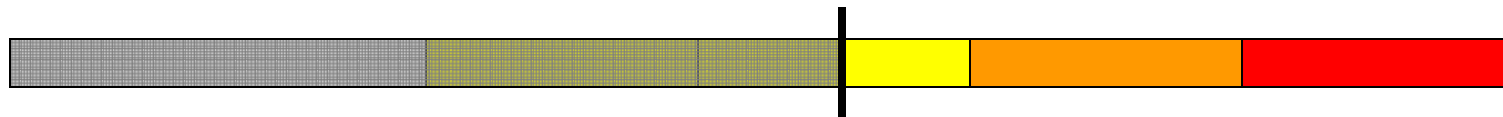


(Flashing)



<u>Status</u>	<u>System / Lamp Behavior</u>	<u>Action Required</u>
Regen Required DPF full	DPF Status Lamp Flashing	Maintain highway speed for auto regen - OR - Perform parked regen

DPF Soot Load



Empty

Level 1

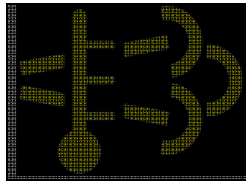
Level 2

Level 3

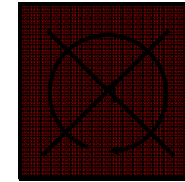
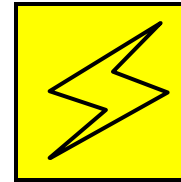
Level 4



DPF Operation

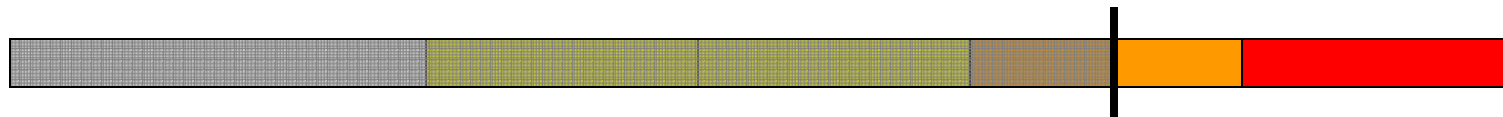


(Flashing)



<u>Status</u>	<u>System / Lamp Behavior</u>	<u>Action Required</u>
Regen Required DPF Overfull	DPF Status Lamp Flashing and Check Engine Lamp Solid and Moderate Power Derate	Perform parked regen IMMEDIATELY (System will NOT regen automatically)

DPF Soot Load



Empty

Level 1

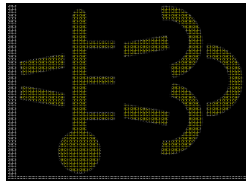
Level 2

Level 3

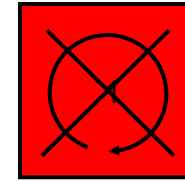
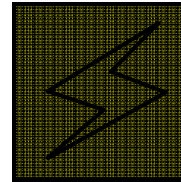
Level 4



DPF Operation

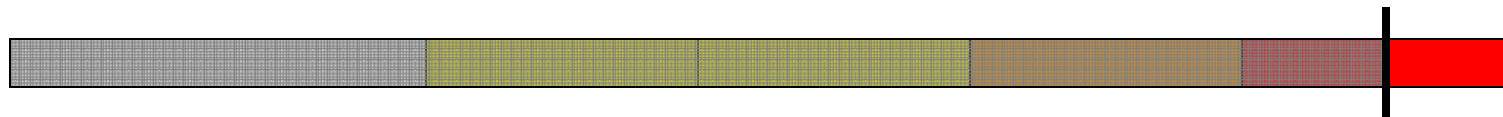


(Flashing)



<u>Status</u>	<u>System / Lamp Behavior</u>	<u>Action Required</u>
Regen Required DPF soot level critically high	DPF Status Lamp Flashing and Stop Engine Lamp Solid and Vehicle may Shutdown	Stop Vehicle and Seek Service Immediately

DPF Soot Load



Empty

Level 1







Level 2

Level 3

Level 4



MACK SUNVISOR DECAL

EXHAUST AFTERTREATMENT SYSTEM (A.T.S.) INFORMATION				
Indicators	 (Solid) LEVEL 1	 (Flashing) LEVEL 2	 (Flashing)  LEVEL 3	 (Flashing)  LEVEL 4
ATS Condition	Regeneration Needed Diesel particulate filter is becoming full.	Regeneration Required Diesel particulate filter is full.	ATS Service Required Engine Derate Active Soot Level High Diesel particulate filter is overfull.	ATS Service Required Engine Derate Active Soot Level Critically High A serious engine problem has occurred. The diesel particulate filter may be over its maximum capacity.
Action To Be Taken	Maintain uninterrupted highway speeds for an Automatic Regeneration or perform a Parked Regeneration at next stop in order to prevent from entering into Level 2.	Maintain uninterrupted highway speeds for an Automatic Regeneration or perform a Parked Regeneration at next stop in order to prevent from entering into Level 3.	Engine performance LIMITED . Perform a Parked Regeneration IMMEDIATELY to avoid further engine derate and prevent from entering into Level 4.	Parked Regeneration is no longer possible for the operator. Engine may shutdown. Seek service immediately.
Dash mounted control switch/ status indicator: 1.) Depress upper position to enable/ initiate regeneration 2.) Depress lower position to disable/ cancel regeneration				
* See Operator's Manual for Further Details				
WARNING! During *Parked Regeneration, engine speed may increase. Failure to follow these instructions may result in a loss of engine power, vehicle speed, high temperatures and may cause an accident or fire resulting in property damage, personal injury or death				
21047092				

