

## NOTIFICATION AND DESCRIPTION

## DRIVER ACTION



### Check Engine Lamp or Amber Warning Light (CEL or AWL)

- Engine controls, aftertreatment control system and/or component issues exist.

Vehicle can be driven to end of shift. Call for service.



### High Exhaust System Temperature Lamp (HEST)

- **Solid:** Exhaust is at **high** temperature and vehicle is at low speed or parked.
- **Flashing:** Parked regeneration in process. System is not up to temperature.

No change in driving style is required. When parked, keep vehicle at a safe distance from people and flammable materials or vapors.



### Malfunction Indicator Lamp (MIL) /Check Engine Lamp

- There is a potential problem with the emission control system or component.
- May illuminate at the same time as the Check Engine Lamp.
- Driving for a prolonged period with the MIL on can cause damage to the engine and/or aftertreatment system as well as degrade mileage and drivability.

Vehicle can be driven to end of the shift. If the MIL remains on after 3 drive cycles, call for service.



### DPF Regeneration Lamp

- **Solid:** Parked regeneration may be needed.
- **Flashing** Parked regeneration is required as soon as possible.
- Diesel Particulate Filter reaching system limits.

Perform a parked regeneration **OR** bring vehicle to highway speeds to enable Automatic Regeneration of the filter.

Flashing



### DPF Regeneration Lamp / Check Engine Lamp

#### ENGINE DERATED

- Diesel Particulate Filter has **reached** system limits.



A parked regeneration **must** be performed. If the parked regeneration exits and the lamps remain on, repeat the parked regeneration. If the second attempt fails, call for service.

Flashing



### Stop Engine Lamp ENGINE SHUTDOWN

- Diesel Particulate Filter has **exceeded** system limits.



A parked regeneration **must** be performed. If the parked regeneration exits and the lamps remain on, repeat the parked regeneration. If the second attempt fails, call for service.

**Note:** Engine can be restarted, but a parked regeneration must be initiated within 30 seconds or the engine will shutdown.



### Fuel Filter Restriction Sensor Lamp (FFRS)

- Fuel Filter is restricted.

Driver has one to three days to seek service or the engine may derate.



### Water In Fuel Lamp (WIF)

- Water level is too high and must be drained from the fuel system.

Engine water separator must be drained or an engine derate will occur.

*(Some notifications may be reported by Virtual Technician™.)*

