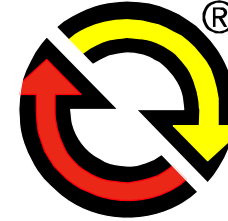


# DETROIT DIESEL

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## MBE900 EPA'07 Customer Demonstration

Detroit, MI  
June 21, 2007

▶ **Diesel Particulate  
Matter Reduction:**

**AFTERTREATMENT  
SYSTEM**

▶ **NOx Reduction:**

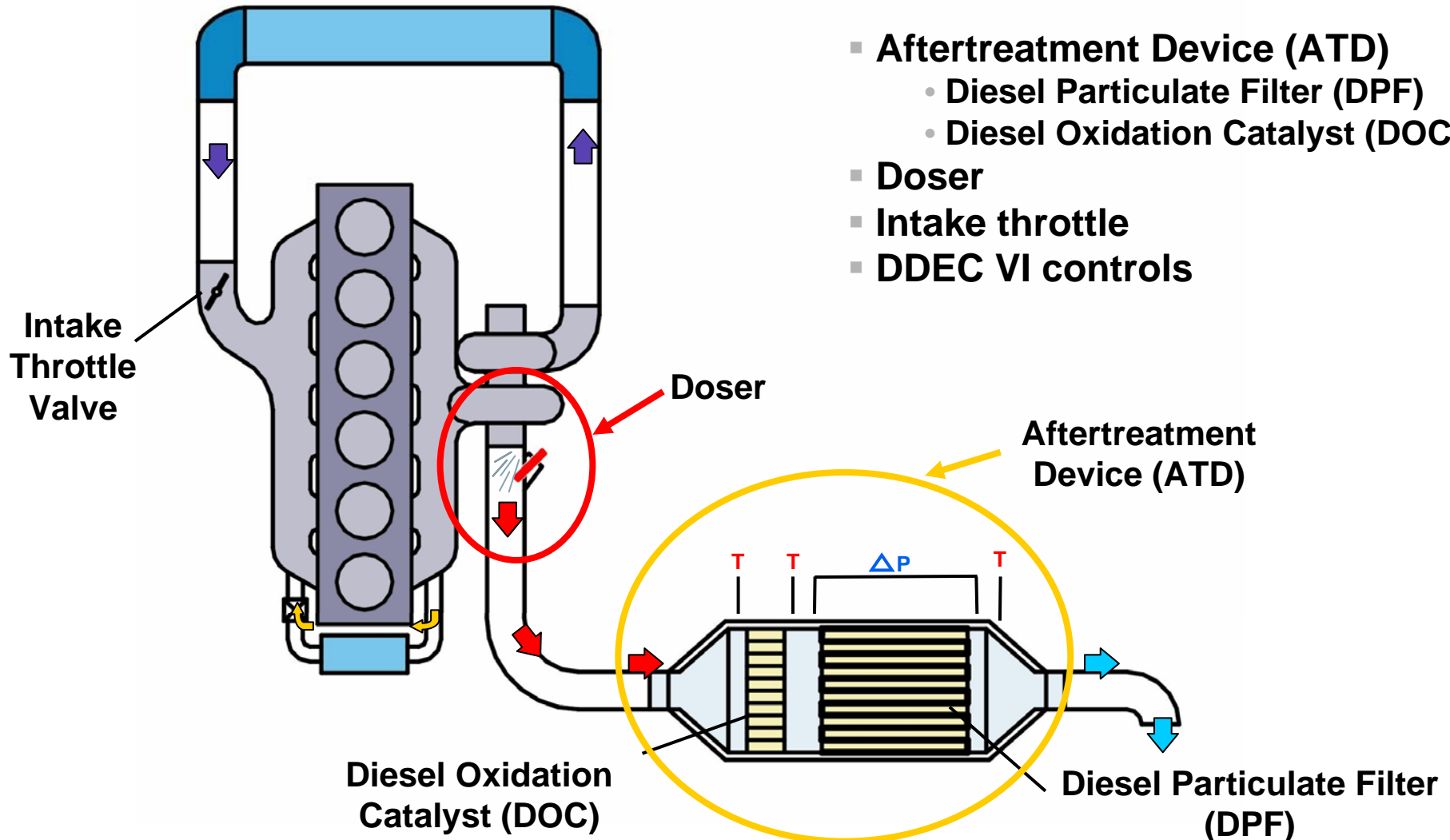
**OPTIMIZED  
EXHAUST GAS  
RECIRCULATION**

▶ **Crankcase Breather Emissions:  
ELECTROSTATIC SEPARATOR**

▶ **New Low Ash  
Lubrication Oils  
CJ-4 OIL**

▶ **Ultra Low Sulfur  
Diesel Fuel  
ULSD FUEL**





- **Aftertreatment Device (ATD)**
  - Diesel Particulate Filter (DPF)
  - Diesel Oxidation Catalyst (DOC)
- **Doser**
- **Intake throttle**
- **DDEC VI controls**

# DPF REGENERATION DASH LAMPS & SWITCH



**DPF Regeneration Lamp**








**High Exhaust Temperature Lamp**



**DPF Regeneration Switch**

# Engine Indicator Lamps & Driver Actions

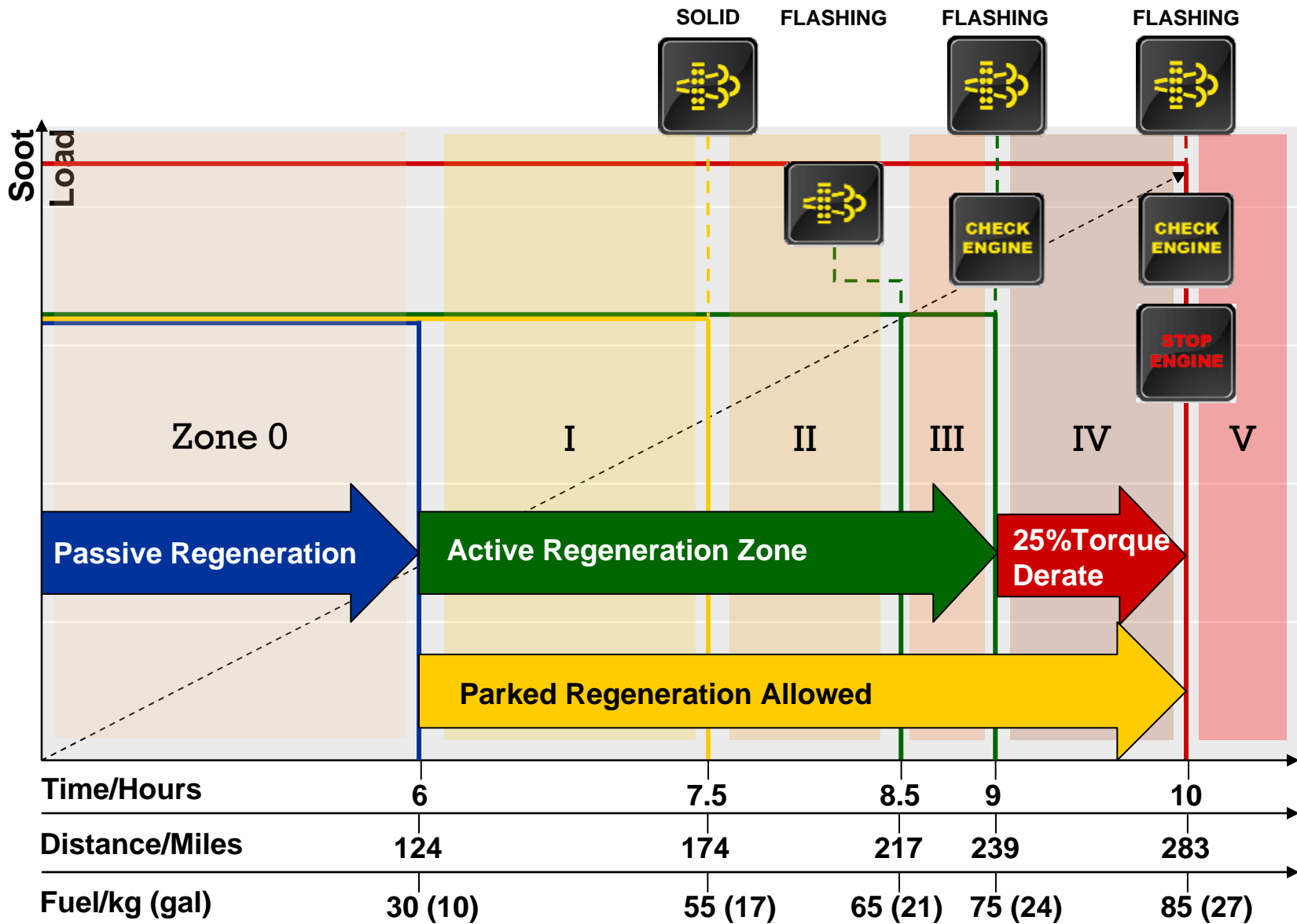


LAMP	INDICATOR	DESCRIPTION	DRIVER ACTION
	<b>Amber Warning Lamp (AWL)</b>	Indicates a fault with the engine controls.	Vehicle can be driven to end of shift. Call for service.
	<b>Red Stop Lamp (RSL)</b>	Indicates a major engine fault that may result in engine damage. Engine derate and/or shutdown sequence will be initiated.	Move the vehicle to the nearest safe location and shutdown the engine. Call for service
	<b>DPF Regeneration Lamp</b>	Solid yellow indicates a parked regeneration is required.  Blinking yellow, derate and/or shutdown are possible as soot load continues to increase. Lamp will shut off during parked regeneration.	Lamp solid – parked regeneration required.  Lamp flashing – parked regeneration required immediately.
	<b>High Exhaust System Temperature Lamp (HEST)</b>	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.	Vehicle can be driven.
	<b>Malfunction Indicator Lamp (MIL)</b>	Yellow lamp Indicates a failure of an Emission Control device. May illuminate at the same time as the Amber Warning Lamp.	Vehicle can be driven to end of the shift.  Call for service.

**Detroit Diesel Customer Support Center: 313-592-5800**

# Regeneration Strategy – MBE 900

(9.0" diameter ATD for 190-250 bhp)



- **The following conditions must be met to initiate a Parked Regeneration:**
  - Cycle the park brake OFF to ON
  - Engine must be at slow idle (cannot be in fast idle mode)
  - The engine should be fully warmed up and operating on thermostat temperature
  - The transmission must be in neutral (current gear and selected gear is 0)
  - Vehicle speed must be 0 mph
  - Hold the Regen Switch to the ON position for five (5) seconds and release
- The regeneration will take approximately 25 to 40 minutes.
- The regeneration is complete when the engine returns to low idle and the DPF lamps remains off.
- If the DPF lamp comes back on, the regeneration failed (contact the Customer Support Center @ 313-592-5800).
- A Parked Regeneration will stop if the key is turned off, the parking brake is released, or the vehicle is put into gear.

## DDC Customer Support Center

### Hours of Operation:

**7am - 10pm Mon – Fri**

**8am – 5pm Sat**

**(313) 592-5800**