

REGEN PROCEDURE

DETROIT DIESEL (DD13 ENGINES)

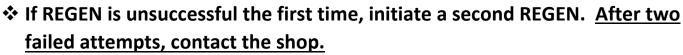


HOW TO PERFORM A "PARKED REGEN"

- ❖ Must have the DPF light on or flashing to REGEN. Engine should be at 140 or above.
- ❖ Insure tailpipe and surrounding area is clear. **Must be done outside.**
- Set wheel blocks, start apparatus with parking brake set and in neutral.
- Release parking brake.
- ❖ Place transmission in "D", watch transmission "Monitor" to show "1".
- Return to neutral.
- Set Parking and Front Brakes.
- ❖ Request a "PARKED REGEN"
- Push and hold REGEN button (far left bottom switch) for 5 seconds and release.







When Apparatus returns to idle with a successfully completed REGEN, complete ENGINE REGENERATION RECORD.

To interrupt "PARKED REGEN", release parking brake and wait to return to idle. To interrupt "AUTOMATIC REGEN", use "REGEN INHIBIT" switch.

REGEN TYPES

- ❖ PASSIVE- Will occur when driving. No DPF burn, just higher exhaust temps. No action required by operator.
- ❖ AUTOMATIC- Active burn off of soot occurs while driving. Must be sustained "Freeway" driving or pumping of 45-60 minutes. No action required by operator.
- ❖ PARKED- Operator uses on board "REGEN" switch to initiate a REGEN. Works for all levels. 45-60 minutes.
- **LAPTOP-** Used by the shop to perform a REGEN when all other attempts have failed. Only true way to check and analyze system performance.



REGEN Procedure for Detroit Diesel 13 Engines

Mederal Federal Electric Breach 18 1.18.1165		
	CHECK	The amber Check Engine Lamp (CEL) warning light indicates a fault with the engine controls or after treatment controls and/or components has occurred. The operator can drive the vehicle to the end of their shift and call service to remedy the problem.
	ENO PER	The red Stop Engine warning light indicates a major engine fault that may result in engine damage. The operator should move the vehicle to a safe location and shutdown the engine.
		The Malfunction Indicator (MIL) light provides an indication to the vehicle operator that a fault has occurred on an emission related component. This light may illuminate at the same time as the Check Engine light. The operator can drive the vehicle to the end of their shift and call service to remedy the problem.
_		High Exhaust System Temperature (HEST) Automatic (passive) regen occurring. Continue to drive or park with the high idle on when possible. This will extend regen intervals. No other action required. No need to log this event. Note difference between this & the DPF light.
		The Diesel Particulate Filter (DPF) light will illuminate when a regeneration is necessary. There are progressive stages of need for regeneration indicated by this light:

