

Auto Regen Optimizer (ARO)

Are you frustrated with trucks that can't idle without plugging up?

Tired of replacing DPF filters?

The ARO Optimizer allows you to save big without voiding your engine warranty or emissions compliance.

Reduce Fuel Usage by Reducing Regen Frequencies

Eliminate Expensive Service Calls for Regen Issues

Extend the Life of Your DPF Filter

Idle your unit without plugging up your DPF system.



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Simple Installation Works with or without PTO

The ARO system is easy to install

Works with most J1939 controlled engines newer than 2010.

System will work with PTO equipped units

Big Cost Savings

Optimizes RPM to extend time between regens.

Allows units to idle for long periods without plugging up the system

Reduce regen frequencies and expensive fuel usage

Avoids derate situations down time and service calls.



Will Not Void Engine Warranty:

The ARO system optimizes the OEM regen system without affecting the factory settings or factory programming

System Requirements:

2010 or newer DEF equipped engines that communicate through the J1939 CAN bus. The ARO system will work on most engines contact us for more details.



Auto Regen Optimizer ARO



System Overview

The Auto Regen Optimizer (ARO) allows extended no-load operation of your engine as long as it has fuel and def fluid, without fouling the exhaust system or requiring a shut down of the unit. The ARO also extends the service intervals of your vehicles' exhaust after treatment system, reducing downtime, lost productivity and maintenance costs.

The ARO system works by optimizing the engine RPM to achieve minimum carbon and moisture (soot) build up during extended idling. In addition to this it automatically initiates system regenerations as soon as a signal is received, eliminating the need for the operator to initiate the regen event, which often gets delayed or ignored until the vehicle requires a service regen or service call. Regenerating early also reduces duration time and provides a cleaner burn in the filter.

The ARO optimizes the existing engine control systems and does not override or modify engine and emission programming. As a result, it does not void any engine or emissions warranties and complies with most government requirements *. Additionally, a series of interlock conditions must be met before the ARO will operate to ensure that vehicle operation and safety are not impacted at any time**

PTO Operation Configurations

The ARO also has the ability to function with a PTO hydraulic system installed on the truck. The ARO unit has three options configured for PTO enabled units depending on your needs and applications.

Option 1 – Disable ARO when PTO on

Option 2 – Enable ARO With Manual PTO Override Switch

Option 3 - Enable ARO with Automatic Engine Load Sensing

* The ARO may not comply with California idle restrictions and should be reviewed before operating.

** Interlocks include Clutch release/neutral signal, Service brake released, Parking brake applied.