

FIRE EM UP, INC.

- Alternative Fuel Systems
- Diesel Power Specialists
- Conversion Kits & Tanks
- Propane & Natural Gas
- Training & Service

Toll Free 877-699-9LPG
Fax 847-244-0065

3840 Swanson Court
Gurnee, IL 60031

Alternative fuel systems are clean burning, reliable, economical and power productive when properly installed and maintained!

PROPANE (LPG) INJECTION FOR DIESEL ENGINES

THE DIESEL MAGNUM

How it works:

Propane (LPG) is introduced to a Turbo Charged Diesel Engine in the fresh air charge prior to the turbo charger inlet via the Diesel Magnums Venturie Adapter acting as an accelerant, promoting a more even burn of the Diesel Fuel. This evening effect provides more complete combustion of the Diesel Fuel injected resulting in more power, better fuel efficiency and less emissions.

Propane (LPG) by itself will NOT self ignite in a compression ignition Diesel Engine. On a typical power stroke of a Diesel Engine with supplemental Propane (LPG) added to the fresh air charge, Diesel Fuel is injected initiating combustion, which then in turn ignites the Propane Air mixture in the chamber. The result is rather than a violent rapid explosion in a concentrated area where the fuel is injected; a more even smooth burn takes place in the entire chamber further down the power stroke utilizing more of the existing Diesel Fuel Charge.

Emission reductions including PM (particulate matter or black smoke) and NOx (oxides of nitrogen) can be significantly reduced with the "Diesel Magnum" Propane injection system by accelerating the flame front or burn of the existing fuel. Two things happen.

- (1) NOx is reduced by enhancing the mixture at the tip of the flame front with the correct amount of Propane (LPG), which reduces the residence time of the Diesel Fuel Burn in a high temperature area.
- (2) PM is reduced by enhancing the burn rate of the existing Diesel Fuel through out the entire combustion chamber rather than just the intense hot area. The result is more of the existing Diesel Fuel charge is burned along the colder areas of the combustion chamber that normally would be expelled out the exhaust system.

"Alternative Fuel Systems Make Sense and Dollars for Your Business"

www.fireemup.com

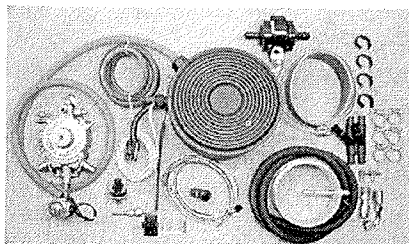
Fuel Efficiency can be significantly increased with the "Diesel Magnum" propane injection system with the accelerated evening effect of combustion by the introduction of the proper amount of LPG (Propane) to the combustion chamber. Basically the Diesel Engine becomes much more efficient (burns more of the Diesel fuel charge for a longer period of time) and naturally whether it is mechanical injection or electronic injection the system will reduce the Diesel Fuel trim (amount of fuel injected) to achieve the same given RPM resulting in less Diesel Fuel needed to perform the same functions.

Horsepower can be significantly increased with the "Diesel Magnum" propane injection system by enhancing and accelerating the combustion process under "full load". When the typical Diesel Engine is under "full load" (max acceleration) the fuel system can only inject a given amount of fuel determined by the OEM (original equipment manufacturer). Other products on the market like programmers; chips... will trick the factory system into injecting more amounts of fuel than normal. With a Diesel engine do to the fact of unrestricted intake air flow (no throttle plates) more fuel means more horsepower and torque. Adding more than the recommended amount of Diesel Fuel will increase power however there are drawbacks to this. An overly rich air fuel mixture will increase combustion and exhaust gas temperatures, which are a Diesel Engines biggest enemy. Aluminum components will melt down at 1400 degrees F resulting in a severely damaged engine. An overly rich air fuel mixture will also increase emissions substantially and increase harmful combustion deposits and engine oil contamination resulting in premature engine failure. By introducing the proper amount of LPG (Propane) to the combustion chamber under full load more of the existing Diesel fuel injected is burned safely resulting in dramatic increases in horsepower and torque with out risk to the engine!

Engine life can be increased with the "Diesel Magnum propane injection system by decreasing engine oil dilution and contamination, decreasing harmful combustion chamber deposits and reducing harmful combustion chamber temperatures all by enhancing and accelerating the burn with the proper amount of LPG (Propane) injected.

We stress, "the proper amount of LPG injected" because this too is critical to your engine. Too much LPG (Propane) under load could cause high combustion chamber temperatures and detonation resulting in engine damage. This is why we believe the "Diesel Magnum" to be the absolute safest product of it's kind on the market today. It is a stand alone system with it's own programmable (by dealers only) microprocessor that is in complete control of the system monitoring critical exhaust gas temperatures, LPG pressure, oil pressure and every component of the Diesel Magnum itself. If a failure of any of the monitored components or systems of your engine or the Diesel magnum" should occur the system will automatically shut down and illuminate the MIL (malfunction indicator lamp) on the switch letting the driver or operator know that there is a problem and the unit is shut down. Now that is piece of mind!

Every Diesel magnum is tested at the factory before leaving and can be programmed to your specific engine and needs by your dealer. Every dealer for the Diesel Magnum has under gone extensive training and is certified by Dynamic Fuel Systems Inc. to install and service the systems. The Diesel Magnum has been tested on numerous vehicles for over two years and has NEVER caused damage to an engine or failed in the field. We are very confident in the product and can provide testimonials and references upon request. The Diesel Magnum will work on any turbo charged Diesel engine and will not void USA engine manufactures warranties



DIESEL MAGNUM KIT

THE DIESEL MAGNUM

SEE FOR YOUR SELF HOW WE COMPARE!

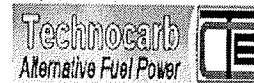


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Toll Free 877-699-9170

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FEATURES	DIESEL MAGNUM	MSD DPI	RED ROOSTER	PS 2000	BULLY DOG
IMPROVE FUEL ECONOMY	YES	YES	YES	YES	YES
INCREASE HORSE POWER	YES	YES	YES	YES	YES
REDUCE EMISSIONS	YES	YES	YES	YES	YES
DIGITALLY CONTROLLED	YES	YES	YES		
PROGRAMMABLE MICRO PROCESSOR	YES	YES			
MONITORS PROPANE PRESSURE	YES	YES			
LIQUID LPG PREVENTION PROTECTION	YES	YES			
PROPANE SPECIFIC INJECTORS	YES				
MONITORS EXHAUST GAS TEMP	YES				
DRAWS LIQUID LPG PERFORMS IN ANY CLIMATE	YES				
PROCESSOR MONITORS ALL COMPONENTS	YES				
INTEGRAL LPG FUEL GAUGE IN SWITCH	YES				
MALFUNCTION LED IN SWITCH	YES				
PRE-ASSEMBLED IN HEAVY DUTY ENCLOSURE	YES				
ENGINE OR SYSTEM FAILURE AUTO SHUT DOWN	YES				
DESIGNED FOR HEAVY DUTY TRUCKS & EQUIPMENT	YES				
AUTO ENGINE WARM UP DELAY	YES				
US PATENT APPROVED	YES			YES	YES