



Frequently Asked Questions:



Q: Could I install this system myself?

A: Yes, the kit comes complete with detailed instructions. If any questions arise ACME will provide technical support.

Q: Can it hurt my engine?

A: No, when installed and adjusted properly, engine life will be extended due to less oil contamination through dilution and lower combustion temperatures and pressures.

Q: How does it work?

A: Propane is fed into the engine air intake system via electronic fuel injectors for increased horsepower and decreased diesel fuel consumption.

Q: How does the computer control fuel delivery?

A: The computer senses turbo boost pressure as the primary input to control the fuel injectors.

Q: Why do we need computer control?

A: To ensure the correct amount of propane is injected for all the varied engine load scenarios.

Q: Why are there 2 injector systems & 4 injector systems?

A: 2 injectors will provide adequate propane delivery for engines up to 7.5 Liters in size and 4 injectors are used for engines over 7.5 Liters.

Q: What type of tank do I need?

A: Only an ASME motor fuel tanks with a vapor withdrawal port can be used. Tank must also meet NFPA 58 requirements.

Q: How much propane is injected compared to diesel? What is the diesel fuel to propane ratio on average? What are the horsepower gains?

A: The amount of propane injected varies with engine load. A 4 to 1 ratio is typical with a 25% increase in horsepower.

Q: How much will my diesel fuel consumption decrease?

A: The diesel fuel consumption will decrease by 25% on average.

Q: What will this system do to my truck warranty?

A: Your local truck dealer will decide if warranty repairs will be administered. We recommend discussing the issue with your dealer prior to the installation.

Q: Is there any regular maintenance that has to be performed?

A: No.

Q: How will it increase my service intervals?

A: When the diesel fuel entering the engine is reduced, less oil dilution and subsequent contamination occurs.

Q: How can it increase horsepower and fuel efficiency at the same time?

A: Injecting propane into the air intake system increases the cetane rating of the diesel fuel which increases horsepower and efficiency.

Q: How is it different than an aftermarket chip or computer reflash?

A: Aftermarket chips and computer reflash increase the amount of diesel entering the engine which increases combustion temperatures and pressures, oil dilution and subsequent contamination also increases.

Q: How does it reduce the smoke & exhaust particulate?

A: The higher cetane rating created by propane injection increases the flame front speed in the cylinder for more complete combustion.

Q: How does the system adjust to cover individual driving styles and engine sizes?

A: Two adjustments are performed: the first is at what turbo boost pressure propane will start to be delivered and the second is at what pressure the propane delivery is maximized.

Q: Can I park my truck in a garage?

A: Yes, ASME motor fuel tanks have been proven to be safe when installed properly and filled to the correct level.

Q: Will engine or exhaust temperature increase?

A: No, the more efficient combustion created by the Red Rooster system will decrease exhaust temperatures when installed and adjusted properly.

Q: Where can I get my propane tank filled?

A: There are thousands of locations nationwide.

Q: Is propane less expensive than diesel fuel?

A: Yes, generally it is substantially less, but varies depending on location.

Q: If the propane motor fuel tank is "used" are there special requirements that must be met?

A: Yes, the data plate must be legible, there has to be a vapor port and no physical damage or excessive rusting should be present.