CNG: An Introduction
Who We Are

The largest fleet conversion company in North America

“Dedicated to providing the most cost effective alternative fuel systems without sacrificing quality. We offer a collaborative approach allowing us to implement the ideal conversion, while maintaining standard pricing and a streamlined quoting process.”
Green Alternative Systems

What we do:

• Convert transit and fleet vehicles using safe and reliable alternative fuel systems for use throughout the country in various environments

• Ford QVM – Original Ford Warranty remains intact after conversion

• Systems Offered:
  • Dedicated & Bi-Fuel Natural Gas
  • Dedicated & Bi-Fuel Propane
  • Dedicated All Electric
Why CNG?

- Clean burning, produces very low levels of emissions
- Nationally produced domestic fuel source
  - More than 100 years supply located domestically
- Wisconsin has over 30 CNG refueling stations
- Lower fuel cost than Diesel and Gas
- Safer than liquid fuels; Fuel leaks disperse into the air
  - Won't create a hazardous situation by puddling or pooling
- Can be produced through renewable means
• OEM Fuel System removed and replaced with QVM certified CNG fuel system

8 separate inspections throughout conversion ensures CNG vehicle exceeds OEM standards and reliability
CNG Fuel System Overview

How it works

• CNG Tanks replace OEM Gasoline Tanks
• CNG fuel delivery system replaces OEM fuel system, and provides fuel to engine.
Added Safety Devices

- All Cylinders are equipped with dedicated Pressure Relief Device (PRD) in the event of over pressurization.
  - Fuel lines and regulator also include PRD’s
- PRD’s vent excess CNG up and away from vehicle, through a roof mounted defuel system
  - Additional defuel nozzle mounted alongside refueling receptacle, for Operator convenience.
- Ignition kill switch standard on all systems
  - Electric solenoid valves do not allow flow of CNG unless vehicle is running.

CNG Fuel System Overview

Automatic PRD Valve

Manual Shut - Off

Automatic Solenoid Valve

High Pressure Line

PRD Valve and Electric Solenoid

Gravel and Heat Shield

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