

The *Total* Alternative Fuel Solution





- Headquartered in Georgetown, Texas with plants in Michigan and Texas
- Established in 1993
- Manufacturer of motor fuel dispensers and fueling infrastructure - LPG & E85
- Owns or franchises 34 fueling locations in California, Arizona, Texas and Colorado
- Develop liquid propane fuel injection engine systems
- Bi-fuel propane engine integrator



Provides a Complete Alternative Fuel Solution

Fueling

- **Fueling Infrastructure**
 - CFT LPG Skid Pack
 - CFT Dispensers

Engines

- **Vehicle Fuel Systems**
 - BB Vision Bus
 - 6L LPI
 - Bi fuel conversions

Fleet Support

- **Fuel Management**
 - CFT Pro Manager
 - Warranty & Service



Headlines

- “Gasoline Prices Soar”
- “Citing high earnings, Congress considers passing a tax on ‘windfall’ profits of oil companies”
- “President calls for a ‘massive increase’ in domestic production of ethanol”



**ALL of these headlines are
from the...**



1970's



Where are we headed?



Where others already are...



Propane as an Autogas??

Clean, available and economical, propane is the most widely used alternative fuel in the world, with over 14.5 million vehicles currently operating on propane AutoGas.



Infrastructure Overview





Electronic Dispensers

- High frame, Commercial Style
- Key pad for secure self serve
- Attractive retail design
- Fully electronic dispenser
- Nozzle boot handle actuation
- Tri-pod safety control
- Retail Displays:
 - Total Sale
 - Volume
 - Price per gallon





Retail Self-Serve Dispensers

- Fully functional – printer/card reader
- Retail design
- High frame, Commercial Style
- Gilbarco / Dresser Wayne gliders
- Nozzle boot with handle actuation
- Complete Retail Displays:
 - Total Sale
 - Volume
 - Price per gallon
- 12-18' hose with breakaway
- Tri-pod safety system



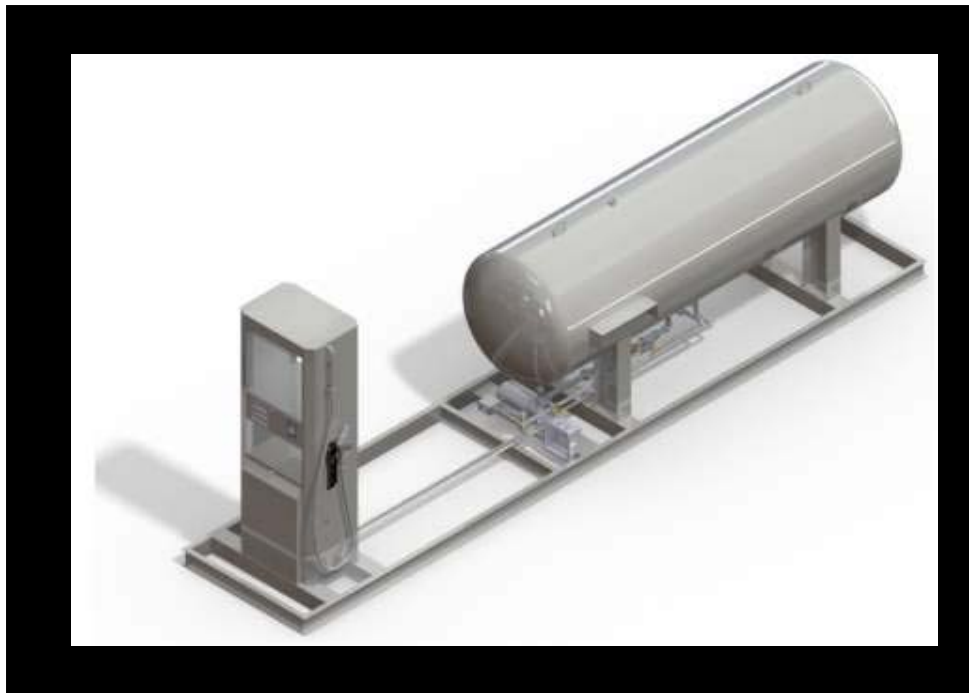


Fuel Management

- Site controller and mgmt software
- State of the art software in-dispenser
- Corporate Fleet cards
- All major credit cards-MC/VISA/AMEX
- Clean Fuel USA cards
- Complete reporting capabilities
- Web based interface
- Track tank inventory levels
- Centralized product, price, tax control
- Multiple price and customer levels

Refueling Skid Systems

- Complete storage and pumping unit
- Includes storage tank, secured accessories, electrical control panel
- High flow rate valves, pump/motor and piping



Refueling Skid Systems

- Designed for autogas specifications with 15 years of field use
- Meets and exceeds all National safety requirements



Engine Overview



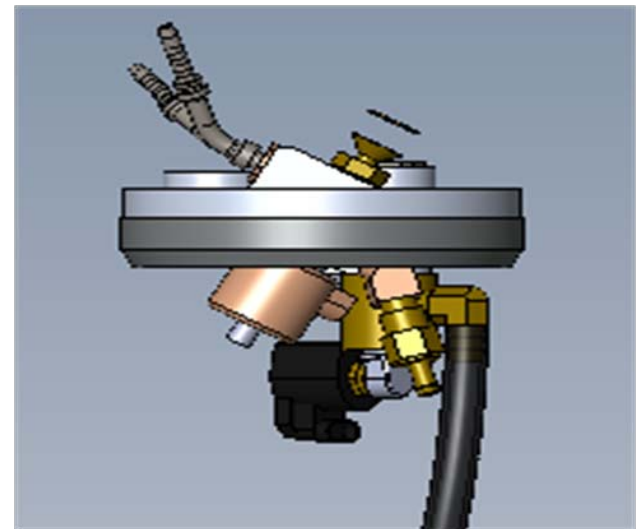
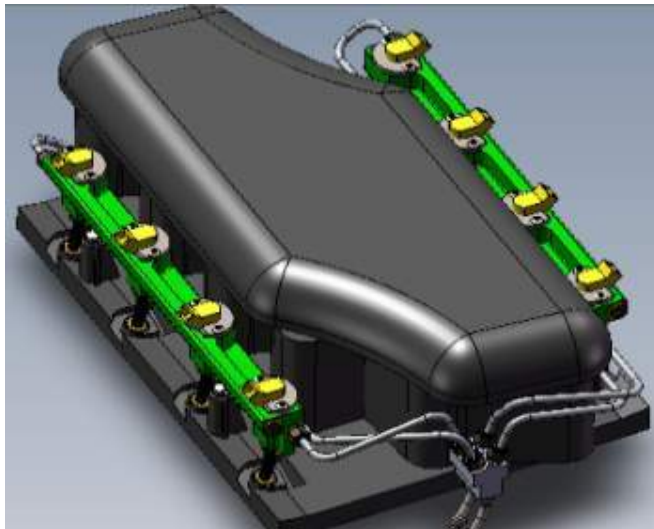
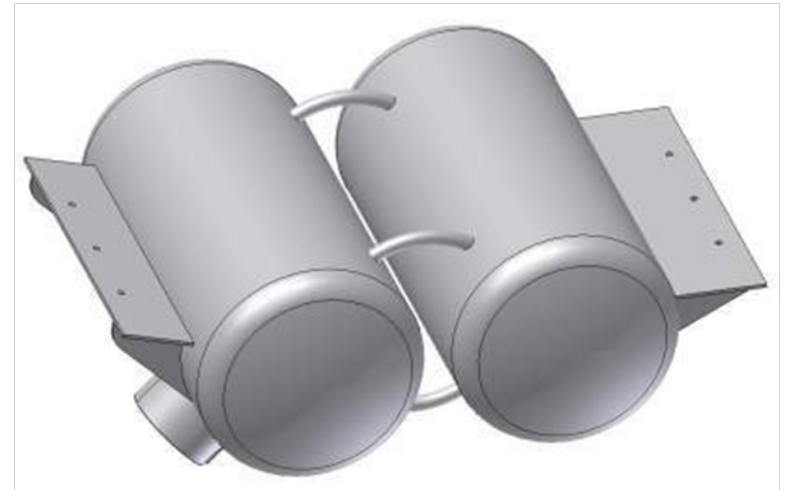
LPI Engine Systems

Complete, fully integrated propane fueling system



The LPI System


- Clean-Low Emission
- Simple Design
- Economical
- Superior Performance
- Safe & Supported



Clean – Low Emissions

AutoGas offers:

- 16% reduction in Carbon Dioxide
- 28% reduction in Carbon Monoxide
- 35.6% reduction in Hydrocarbons
- 3.7% reduction in NOx

	<u>2010</u>	<u>NOx Only</u>
	EPA & CARB – Diesel Standard	0.2
	EPA & CARB – Gasoline Standard	0.2
LPI offers:	 6.0L Certification Level	0.154

- Certified with EPA & CARB at Zero Particulate Matter
- No need for DPF, Cooled EGR or SCR Systems

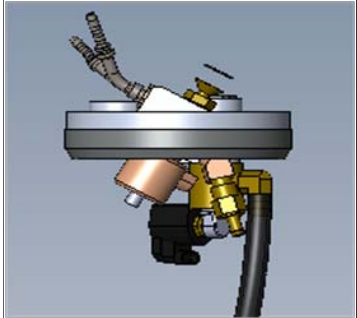


Simple Design

- Direct replacement of the OEM gasoline fuel system.
 - Sequential Port Injected
 - Utilizes the General Motors Engine Control Unit
- Developed & Certified by CFUSA at Millbrook Proving Grounds, Ltd (owned by GM Holdings U.K).
- Approximately 40,000 systems operating Worldwide



Quality Components



MULTI-VALVE
Increased Fuel
Flow Rates

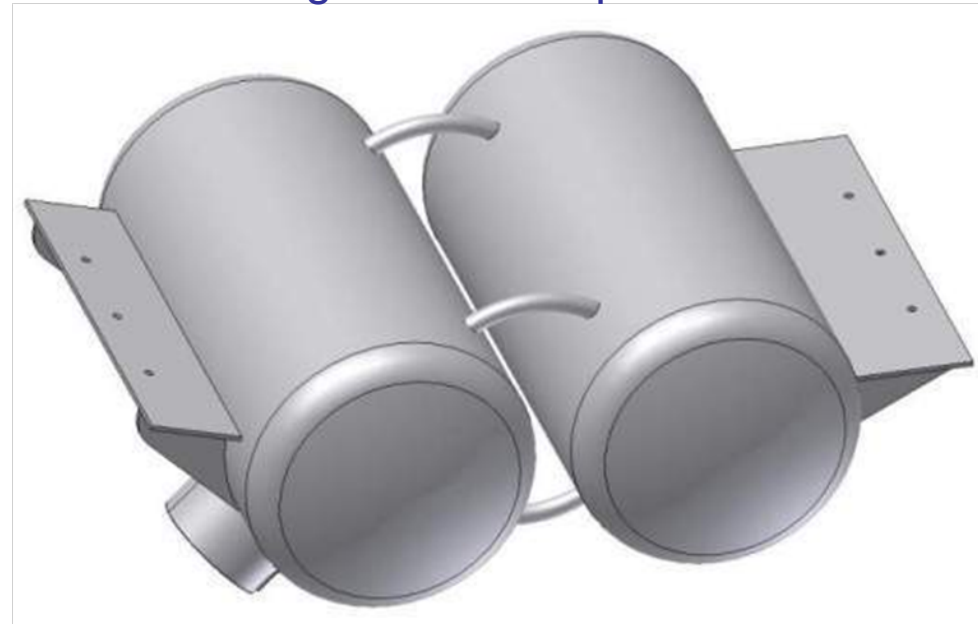


FUEL INJECTOR

- Fast Open time
- Short pulse width
- Reduced leak rate

40.5 Usable Gallons

Replaces OEM Gasoline Tank
Using the Same Space



“LPI Delivers Propane to the Intake Port as a Liquid”

Benefit:

- Vaporization occurs at the intake port, cooling the air/fuel charge and increasing air/fuel density providing power better than the gasoline engine equivalent.
- Vaporization creates a cooling effect reducing valve and upper cylinder temperatures and prolonging engine life.



“LPI utilizes bottom feed injector design”

Benefit:

- Provides a self cleaning and purging action.
- Reduces contaminant build up.
- Improves the service life of the injectors.
- Maintains fuel economy, performance and low emissions.
- Provides quiet operation.



LPI - 6.0L Target Design Criteria

VEHICLE CHARACTERISTICS

- **Vehicle Range:**
 - Minimum of 300 miles, at 80% of maximum load
- **No Loss in Performance:**
 - LPI Matches OEM Gasoline HP Rating & Torque Curve
- **Safety Compliance:**
 - In Accordance with FMVSS, CMVSS & NFPA 58
- **Warranty:**
 - Equal to original GM gasoline engine warranty
 - Extended Warranty Package TBA



LPI Economics

6.0L Light Duty Truck – Fuel Cost

14,200 lbs. GVWR

30,000 Miles per Year

Fuel at Fleet Price

- Diesel	\$2.80
- Gasoline	\$2.60
- LPI – Propane	\$1.70
Est. Tax Credit	<u>- 0.50</u>
Net Price	\$1.20

Annual Fuel Savings

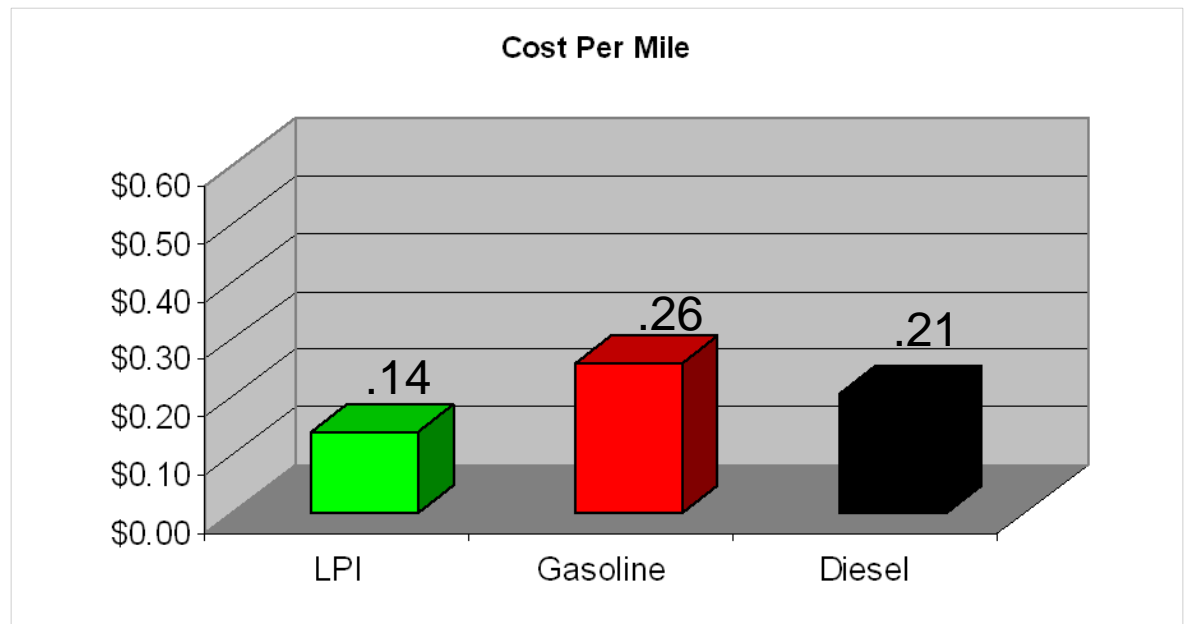
LPI vs. Gasoline = \$3,565

LPI vs. Diesel = \$1,987

Fuel Savings Over 7 Years

LPI vs. Gasoline = \$24,953

LPI vs. Diesel = \$13,908



Propane fuel price reflects the VETC Tax Credits
Prices will vary based on local conditions



think green! think propane.

LPI Economics

Soft Savings

Because propane AutoGas is at a higher octane and cleaner burning fuel than gasoline...

Fleet Operators experience:

- Less-frequent Oil Changes
- Increased Engine Life
- Lowered associated vehicle downtime
- Decreased engine component wear



Economics...Tax Credits

Energy Act of 2005, Sec. 1341 (e) (H.R. 6)

“New Qualified Alternative Fuel Motor Vehicle (QAFMV) Credit”

- Effective 1/1/2006 through 12/31/2010
 - 50% of the MSRP difference between a conventional gasoline or diesel powered vehicle and the “New Qualified Alternative Fuel Motor Vehicle”
- Plus:
 - 30% of the MSRP difference between a conventional gasoline or diesel powered vehicle and the “New Qualified Alternative Fuel Motor Vehicle” if the vehicle has a certificate of conformity under the Clean Air Act and meets or exceeds the most stringent standard available for certification under the Clean Air Act for that make and model year vehicle



Economics...Tax Credits

- Highway Act, Sec. 1113 :

“Volumetric Excise Tax Credit for Alternative Fuels”

- Extension passed in House for 2010/Pending Senate approval
- Applicable to sellers of LPG
- \$0.50 per gallon credit

- Energy Act, Sec. 1342:

“Credit for Installation of Alternative Fuel Stations”

- Effective 12/31/2005 through 12/31/2010
- Provides a tax credit of up to 50% of the value
- LPG fueling station, up to \$50,000

*Contact your Tax Specialist for specifics on application of this tax credit



LPI Safety

- Fuel tank is made of ¼” thick carbon steel.
- Tanks are 20 times more puncture resistant than a gasoline or diesel tank.
- Fuel flow is automatically shut-off in the event of a fuel line rupture.
- Critical valves are mounted below the tank shell perimeter providing superior protection from damage.



LPI Safety

- Propane has the most narrow flammability range of any fossil fuel.
- Propane requires an ignition source of 940 degrees F to ignite. In contrast, gasoline will ignite with an ignition source of only 430 to 500 degrees F.

Blue Bird Crash Test

- Angled side/rear impact
- 4,000 lbs at 40 mph
- 220 PSI Tank Pressure
- Zero Leakage
- No Pressure drop



LPI Service and Support

- Match OEM engine warranty - 3 year / 100,000 Miles
- Technical training available
- Technical manuals and CD provided
- Technical service bulletins
- Technical assistance hotline
- 1-877-234-1722 Technical Support Line



Supported by our current Master Dealer & Service Provider Network



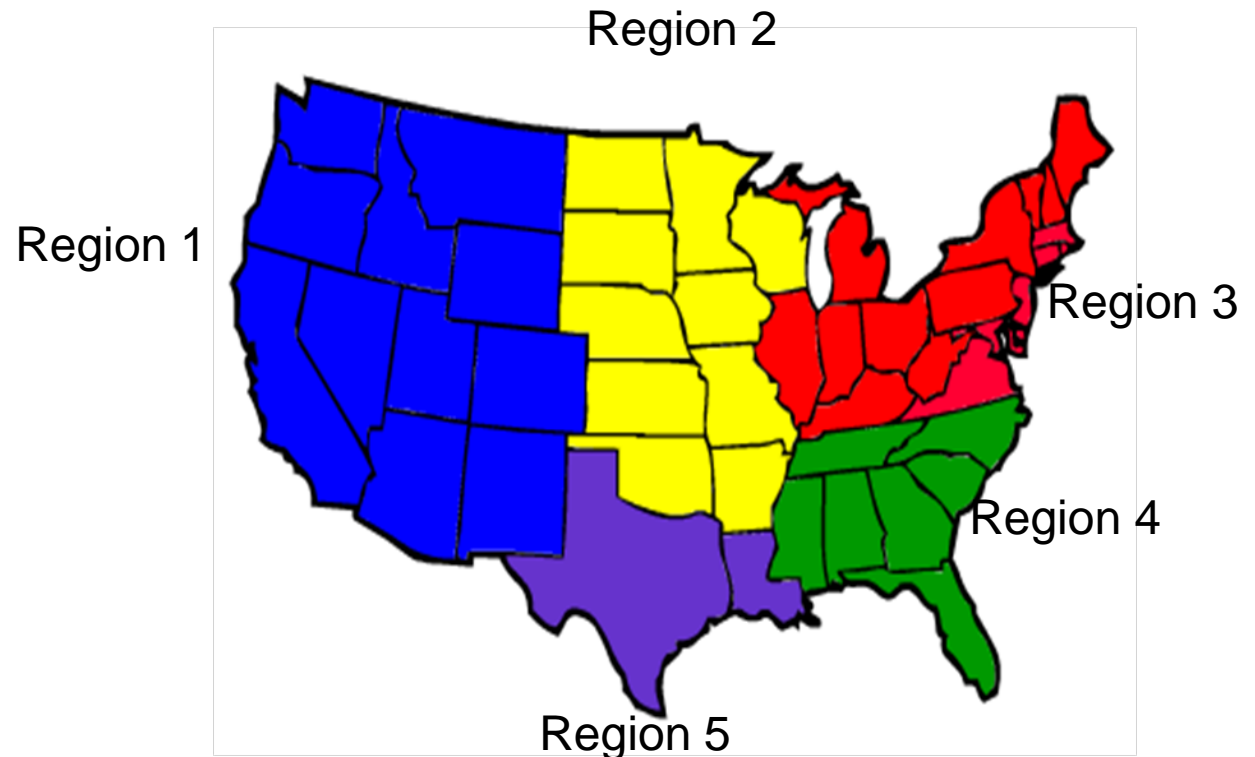
Sales & Service Regions

Sales

1. Jon Van Bogart
2. TBD
3. Mike Peticome
4. April Dents
5. Hector Lemus

Service

1. Arie Poldervaart
2. Brandon Thorn
3. Calvin Thorn
4. Wayne Moore
5. Mike Clymer



Over 1800 GM Vortec 8100 LPI in service



GM Truck

2001 Vortec 8100 LPI (2.0L)
8000-RPM (1800 RPM)



Coming in the First Quarter 2010 GM 6.0L G4500 Cutaway Van & Workhorse W42 Walk in Van Applications



Coming in the Second Quarter 2010 GM 6.0L G3500 Cutaway Van, C2500/3500 HD Chassis Cab & Type A Collins School Bus



Coming in 2010 GM 2500/3500 Complete Van & Pick Up Truck & W Series Tilt Cab Truck





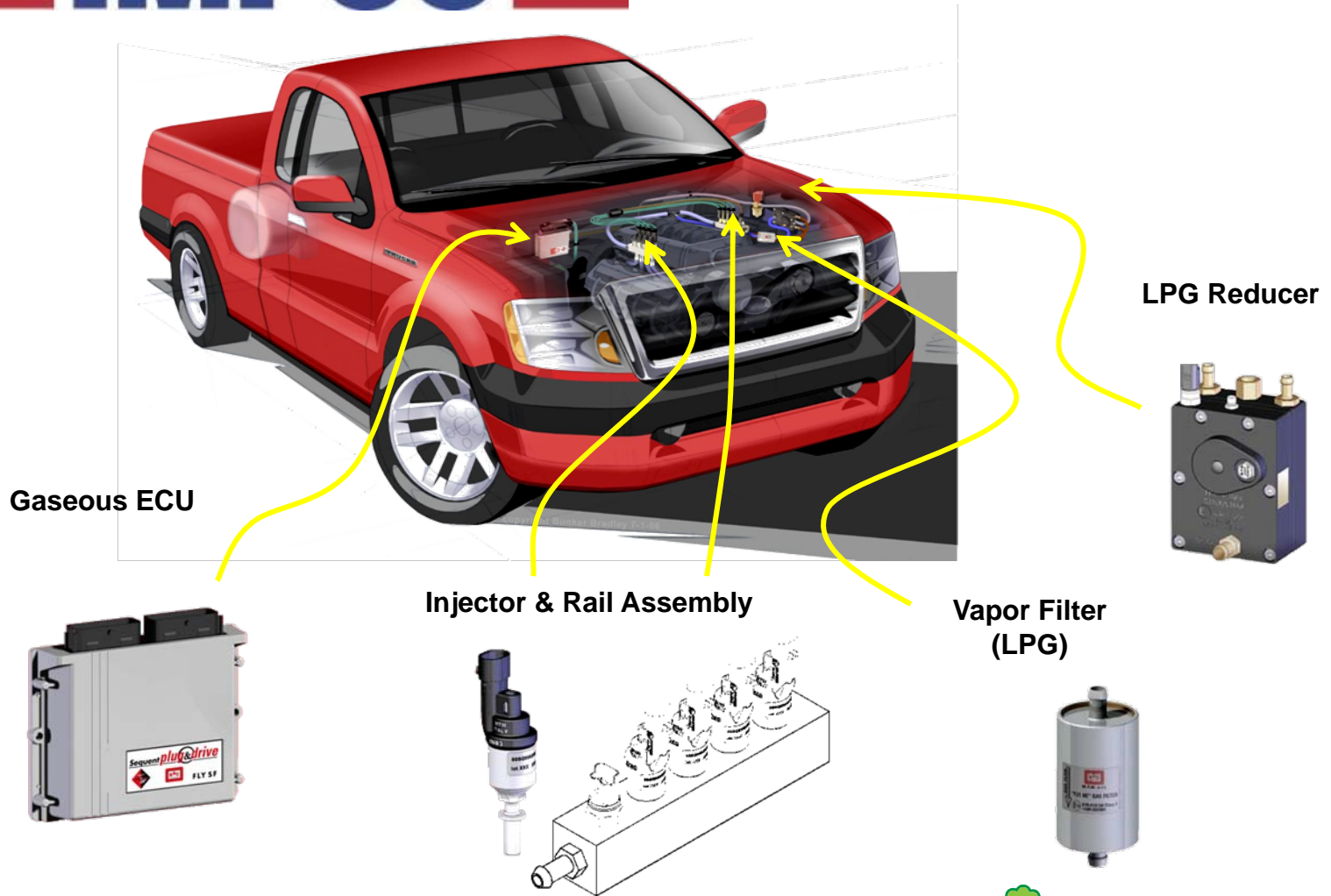
SEQUENT SYSTEM TECHNOLOGY

Common Rail – Multi-Port – Sequential – Injection - System





SEQUENT SYSTEM



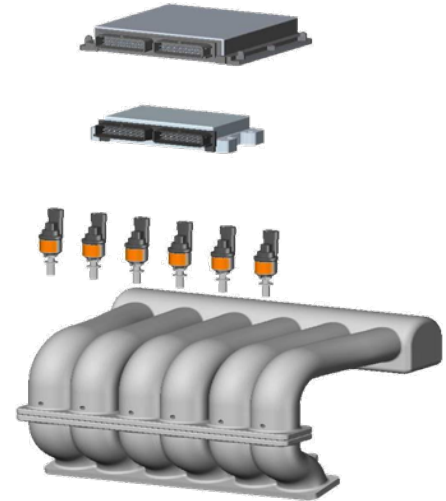
FUEL CHANGEOVER

SPECIFICALLY DESIGNED
FOR DUAL-FUEL
APPLICATIONS

THE OEM INJECTORS ARE SHUT DOWN
BY THE SEQUENTIAL PLUG & DRIVE ECU

CONDITIONS THAT ALLOW
CHANGEOVER:

- Temperature
(*engine coolant @ the alt fuel regulator*)
- Time After Engine Start



Sequential Changeover



EPA Certified LPG Systems (various model years)

3.5L	Chevrolet Impala
3.9L	Chevrolet Impala
4.8L	Chevrolet G-Van
4.8L	GMC Savana
5.3L	Chevrolet Silverado
5.3L	Chevrolet Tahoe
5.3L	GMC Sierra, Yukon
5.4L	Ford F150
5.4L	Ford Expedition
5.4L	Lincoln Navigator
6L	Chevrolet Silverado
6L	Chevrolet Express
6L	Chevrolet G-Van
6L	GMC Sierra
6L	GMC Savana



The Bottom Line

Propane has the Lowest Cost of Startup and Overall Operation of *any* Alternative Fuel

- Low “Upfront” Vehicle Cost
- Low “On Site” Fueling Cost
- Increased Engine Technology
- Abundant, Low Cost Fuel
- Domestic Fuel
- Reduced Emissions



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