



**It's Not the Same Ole Propane
Anymore!!**

**New Orleans, LA
March 26, 2008**

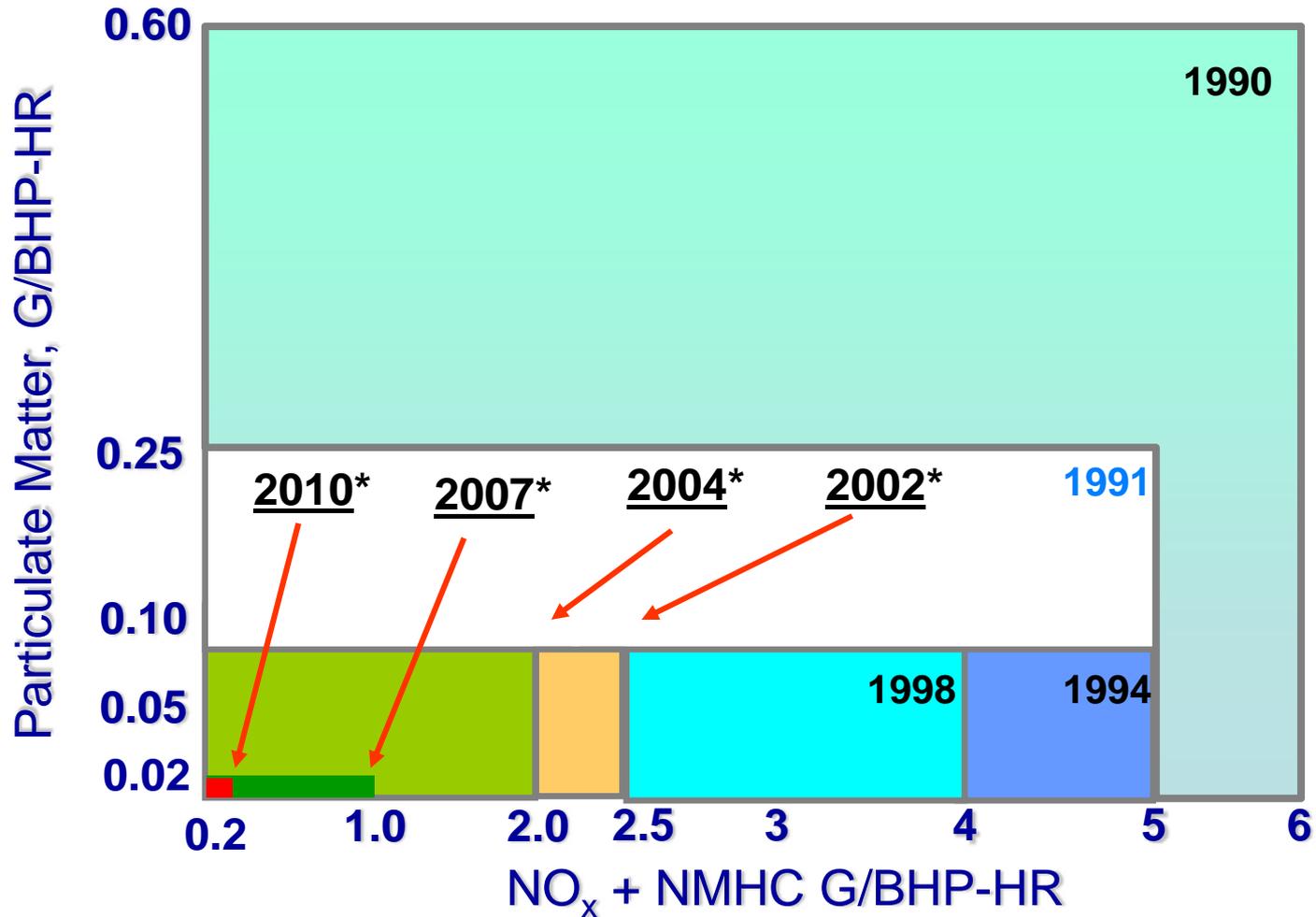
What is creating the market for fuels such as Propane?

- **Air Quality Issues**
- **Energy Security**
- **Rising Fuel Costs**
- **Higher Purchase Price for Diesel Vehicles**
- **Incentive support from the Federal Government**
- **Great Landscape based on the pure economics!!**
- **The Three E's are alive like never before!!**
 - **Economics**
 - **Energy Security**
 - **Environment**

Market Factors Favor Development of Propane System

- **2007 & 2010 Diesel Emission Standards**
 - Increase in diesel engine prices
 - Increased diesel fuel prices
 - Increased maintenance and operating costs
 - Government alternative fuel incentives
 - Energy Security
 - Equals = Opportunity

Heavy-Duty Engine Emissions - Diesel



Higher Vehicle Purchase Prices

- **Higher Purchase Prices due to;**
 - Exhaust Gas Recirculation – EGR
 - Variable Geometry Turbocharger
 - Diesel Particulate Filtration System

- **Fuel Economy Depreciation**

- **Higher Operating Costs**
 - Higher Fuel Prices
 - Higher Lubricating Oil Contamination translates into reduced Oil Change Interval
 - Costly Particulate Filter Maintenance

Propane (C₃H₈)



- **Low cost and domestically produced alternative fuel**
- **Non-toxic, burns cleanly & is not a ground contaminant**
- **Abundant supply in the U.S.**
 - **60% comes from natural gas & 40% from refining oil**
- **Propane is naturally a low emission fuel**
 - **Near zero particulate matter**
- **Similar MPG and fuel fill rate as gasoline**
- **Promotes a clean air – fleet image**
- **Support Energy Independence**

Propane Advantages

- Propane is an approved alternative fuel listed in both the Clean Air Act of 1990 and the National Energy Policy Act of 1992 and 2005.
- Propane is currently the world's most proven, reliable and widely used alternative fuel, fueling more than 10 million vehicles internationally.
- Propane fuel provides a clear environmental advantage. Compared to gasoline, propane yields 87% less smog-producing hydrocarbons, up to 90% less carbon monoxide, 12% less carbon dioxide, 50% less nitrogen oxides and 50% fewer toxins and other smog-producing emissions.
- Propane can play an important role in mitigating climate change, because it is among the lowest life-cycle greenhouse gas emissions of all commercially available fuels.

Source: U.S. Environmental Protection Agency and the Orange County (California) Transit Authority
www.propanecouncil.org/trade/fleet/emissions.html

Alternative Fuel Comparison

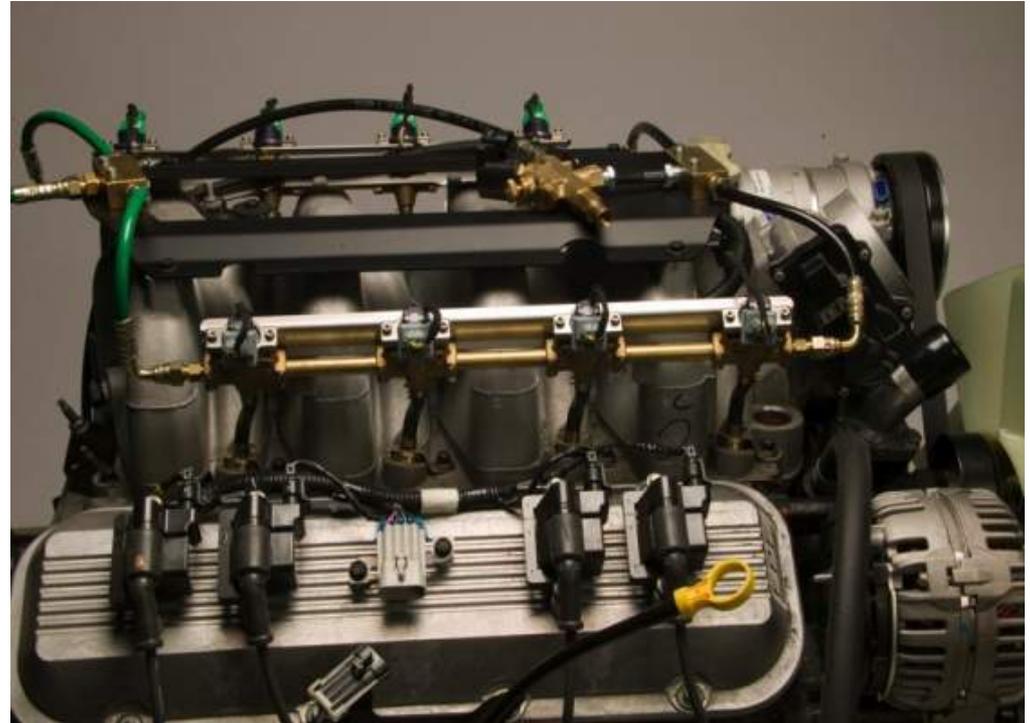
Tank Size Relative to Range

Gasoline		100 Miles
Propane		80-90 Miles
Ethanol		70 Miles
Methanol		54 Miles
CNG		21 Miles

Source: Michigan Propane Gas Association

The LPI System

- Clean
- Simple
- Economical
- Superior Performance
- Supported and Accepted



Clean – Low Emissions

2008 GMC/Chevrolet

4500/5500

NO_x

EPA/CARB Standards

0.2

Actual GM 8.1L Cert. Level

1.0

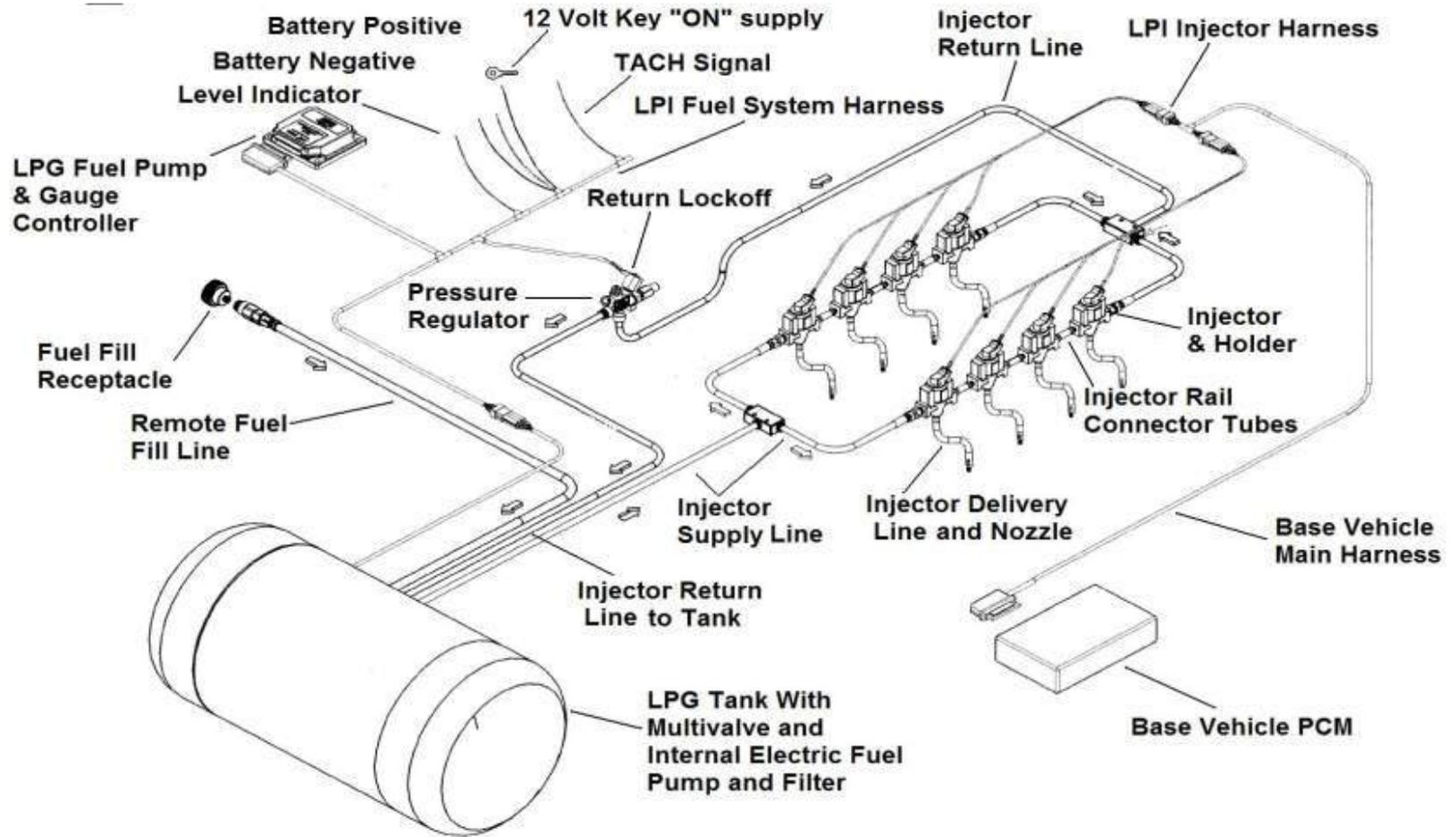
 **LPI** 2008 Level

0.175

Simple Design

- **Direct replacement of the OEM gasoline fuel system.**
 - **Liquid Propane Injection**
 - **Sequential Port Injected**
 - **Utilizes the GM P-59 Engine Control Unit**
 - **Utilizes proven Components from Seimens and Walbro**
- **Developed & Certified by CFUSA for the GM 8.1 at the General Motors Proving Grounds in Millbrook, England**
 - **Approximately 40,000 systems operating Worldwide**
 - **EPA/CARB Certified:**

April , 2006	C4500/C5500
June, 2006	C6500/7500/8500
 - **Available 2003/2008 MY Vehicles**
 - **LPI system installed in Flint, Michigan by a recognized installer**



Economical...Tax Credits

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

“New Qualified Alternative Fuel Motor Vehicle 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**

Economical...Tax Credits

- Highway Act, Sec. 1113 :
“Volumetric Excise Tax Credit for Alternative Fuels”
Effective 10/1/2006 through 9/30/2009
Applicable to sellers of LPG and known as VETC
\$0.50 per gallon credit
- Energy Act, Sec. 1342:
“Credit for Installation of Alternative Fuel Stations”
Effective 12/31/2005 through 12/31/2009
Provides a tax credit of up to 30% of the value of an
LPG fueling station, up to \$30,000

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

Economical...

<u>GM 6500 Chassis</u>	2008 MSRP	
	<u>Fam 2</u>	<u>Fam 3</u>
• 8.1 Gasoline Engine	Std.	Std
• CF-USA - LPI	\$11,115	\$11,765
• After 80% Tax Credit	\$2,223	\$2,353
• DURAMAX Diesel - 215 HP	\$16,466	\$16,466
• Cat C7 - 210 HP	\$18,413	\$18,413

The LPI system pricing for 2008 includes our Standard 65 Gallon Tank, installation and a 2 year, unlimited mileage warranty.

Economical...

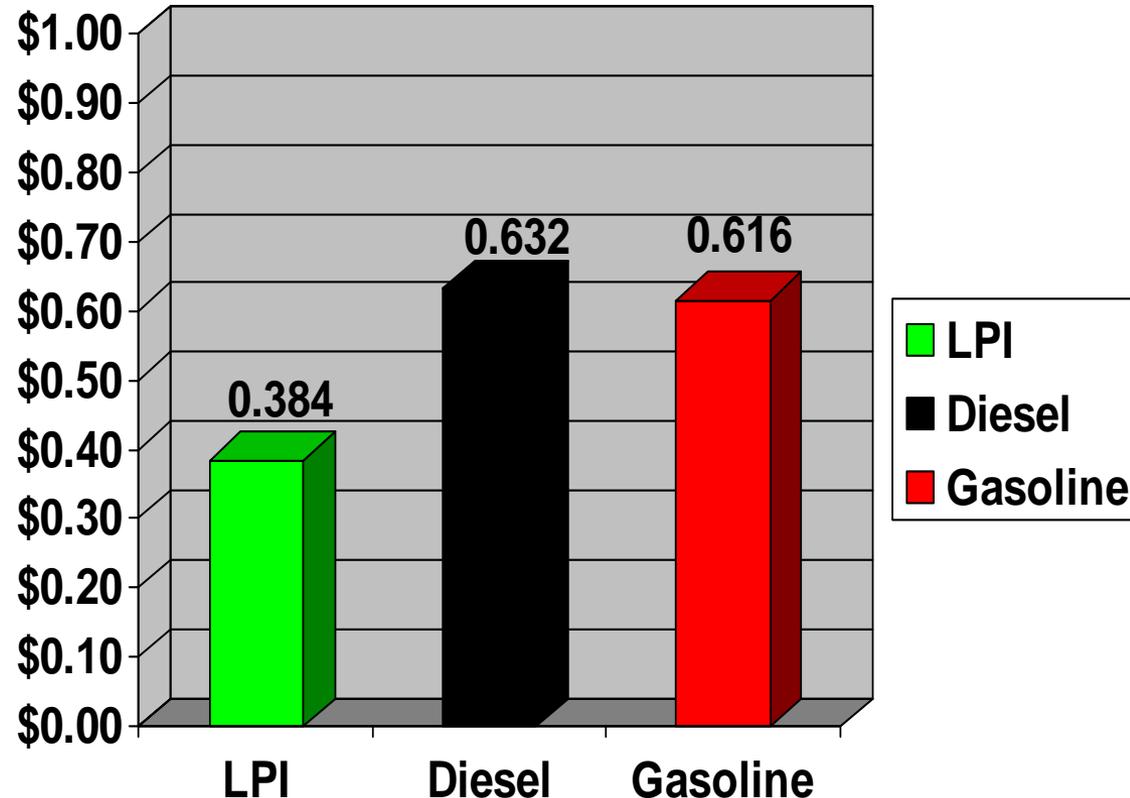
7 Year Average Fuel & Vehicle Acquisition Cost

26,000 lbs. GVWR
25,000 Miles per Year
Fuel at Retail Price

- Diesel	\$4.09
- Gasoline	\$3.39
- LPI – Propane	\$2.39
Est. Tax Cr.	- 0.50
Net Price	\$1.89

Total Annual Savings - LPI vs. Diesel
(Acquisition & Fuel over 7 Years)
= \$43,438

Annual Fuel Savings = \$4,189

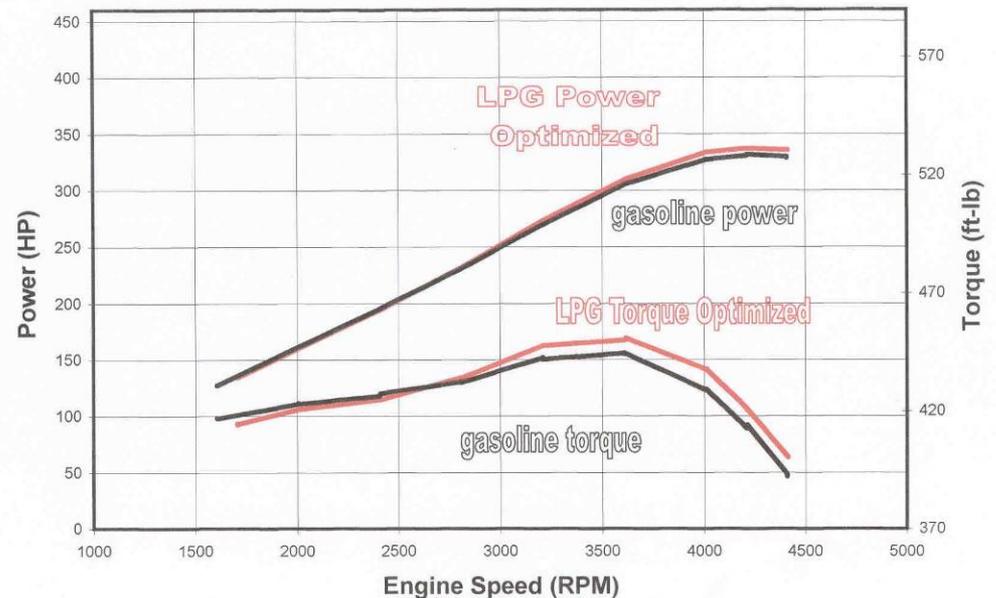


LPI numbers reflect Energy (80% MSRP) and Transportation Bill Tax Credits
Prices will vary based on local conditions

Strong Performance

- LPI fuel system meets OEM Power & Torque output
- Compliments the 8.1 Liter Engines Strong Torque Rise
- Liquid Propane Injection (LPI) does not exhibit the power/torque loss of vapor injection systems.
- Excellent cold weather start and go without warm-up period

GM 8.1 Liter Engine Full Load Comparisons



Service and Support...Warranty

**Clean Fuel USA matches the Engine OEM
Warranty with a...**

2 Year / Unlimited Mileage Warranty

Service and Support...Technical Manuals



GM 8.1 LPG LPI FUEL SYSTEM SERVICE PARTS MANUAL



GM 8.1 LPG
LPI FUEL SYSTEM

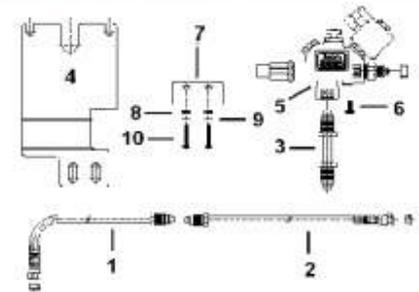


FUEL PUMP ASSEMBLY & CONTAINER

ITEM #	PART NUMBER	PART DESCRIPTION	QTY.	COMMENT
1	15014000	Container, Pump	1	
2	20018100	Valve, Check	1	
3	15017400	Base, Container	1	
4	19115000	Valve, Stem	1	
5	19185400	Cap, Valve	1	
6	20015300	Cap, Pump	1	
7	4100033	Plate	1	
8	15013900	Pin	1	
9	20003175	Seal, O-Ring	1	
10	15013700	Cover, Pump Container	1	
11	20017300	Screw, Cover	3	



GM 8.1 LPG
LPI FUEL SYSTEM

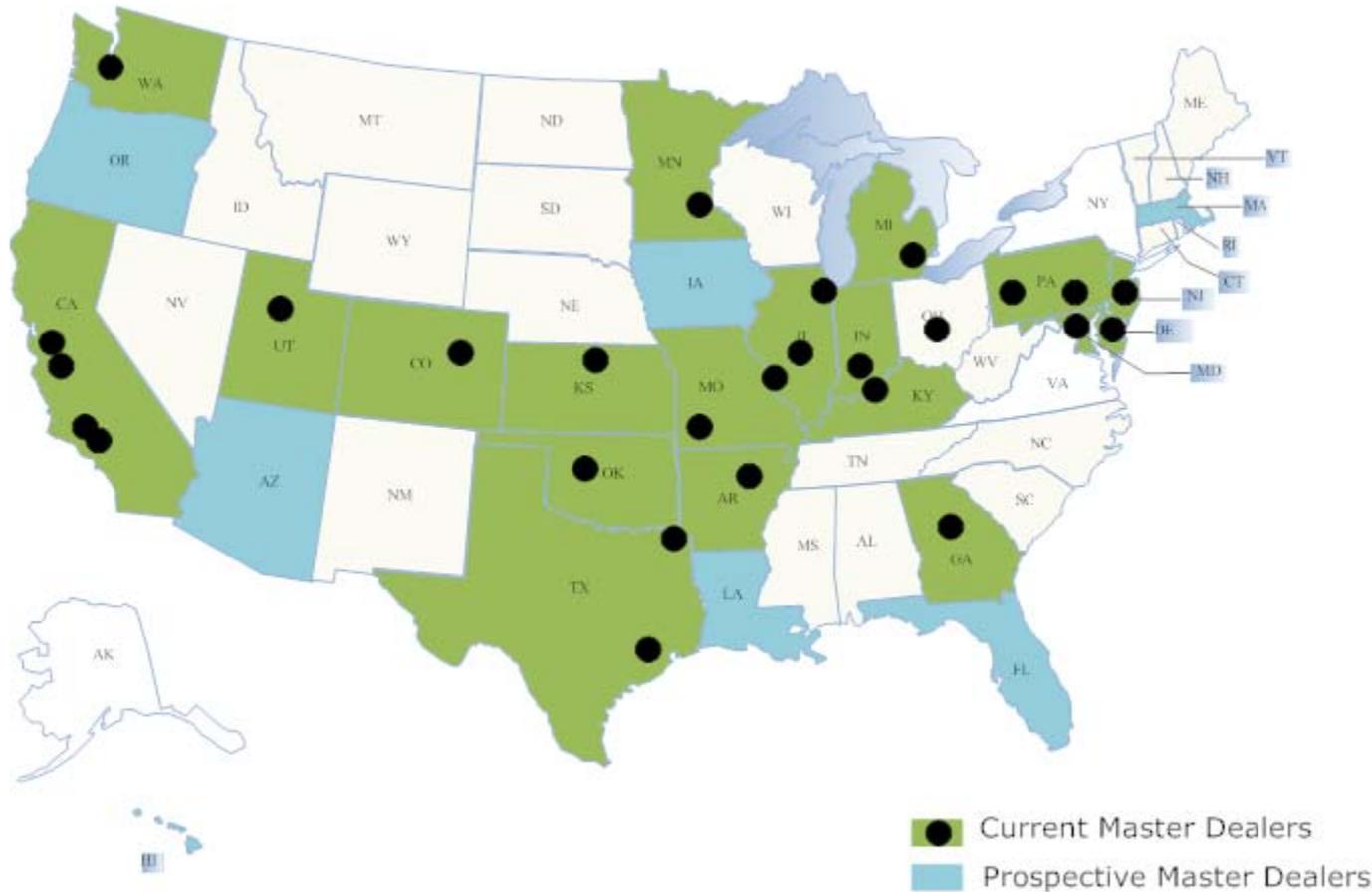


REGULATOR ASSEMBLY

ITEM #	PART NUMBER	PART DESCRIPTION	QTY.	COMMENT
1	17594400	Assembly, Hose Return (Right)	1	
2	17594500	Assembly, Hose Return (Left)	1	
3	17593700	Assembly, Hose Return (Shift)	1	
4	21532300	Bracket, Regulator Assembly	1	
5	17594300	Assembly, Regulator	1	
6	20610104	Bolt, Regulator Mounting	2	
7	19127500	Tab, Block	1	
8	20023302	Nut, Tee Block Mounting	2	
9	20023402	Washer, Tee Block Mounting	2	
10	20023204	Bolt, Tee Block Mounting	2	

Supported by our current Master Dealer Network

GM Franchised Medium Duty Truck Dealers



Accepted by...Blue Bird





Accepted by...



Roush

Applications

- **Propane Delivery Vehicles**
- **Maintenance Vehicles**
- **School Buses**
- **Utility Vehicles**
- **Shuttle Buses**
- **Beverage Vehicles**
- **Delivery Vehicles**

Discussion (Q&A)



- **Clean**
- **Simple**
- **Economical**
- **Safe**



- Headquartered in Georgetown, Texas
- Established in 1993
- Manufacturer of motor fuel dispensers and fueling infrastructure - LPG & E85
- Provides fuel supply services and contracts
- Owns or franchises 34 fueling locations in California, Arizona, Texas and Colorado. 20 additional locations over the next 12 months
- Develops liquid propane engine fuel injection systems

CF-USA Fueling Location – San Antonio E85 & LPG



CleanFUEL USA provides the Total Alternative Fuel Solution

- Vehicle Fuel Systems
- Fueling Infrastructure
- Fuel Management
- Fuel

