



2004 Product Portfolio

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Fleet Account Executive

Southeast Region

Alternative Fuel Vehicles

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Clean Burning Alternatives



Alternative Fuels



- Ethanol (E85)

- Compressed Natural Gas (CNG)

Ethanol (E85)



- | Reduces fossil energy use and greenhouse gasses
 - | Made from renewable, agricultural starch crops
- | Can be stored in an above-ground tank

Natural Gas (CNG)



- Domestic and readily available
- Produces little or no evaporative emissions



Save Money in Fleet Operations

AFVs Make Economic Sense



- | Low Fuel Cost
- | Reduced Maintenance
- | AFV Funding Opportunities



Meet Government Mandates

Meet Government Mandates



- — Energy Security

- — Air Quality

Fulfill EPA Act & Clean Air Act Mandates



EPA Act

- Decrease dependence on foreign oil
- Mandates Federal & State Government and Fuel Provider Fleets
- Nationwide Program
- 75-90% of new vehicles must be AFVs

Clean Air Act

- Improve air quality in non-attainment areas
- Mandates Federal, State, Municipal, Fuel Provider, and Private Fleets
- Regional Program
- 70% of new vehicles must be LEVs



GM Durability and Reliability

GM AFV Product Offerings

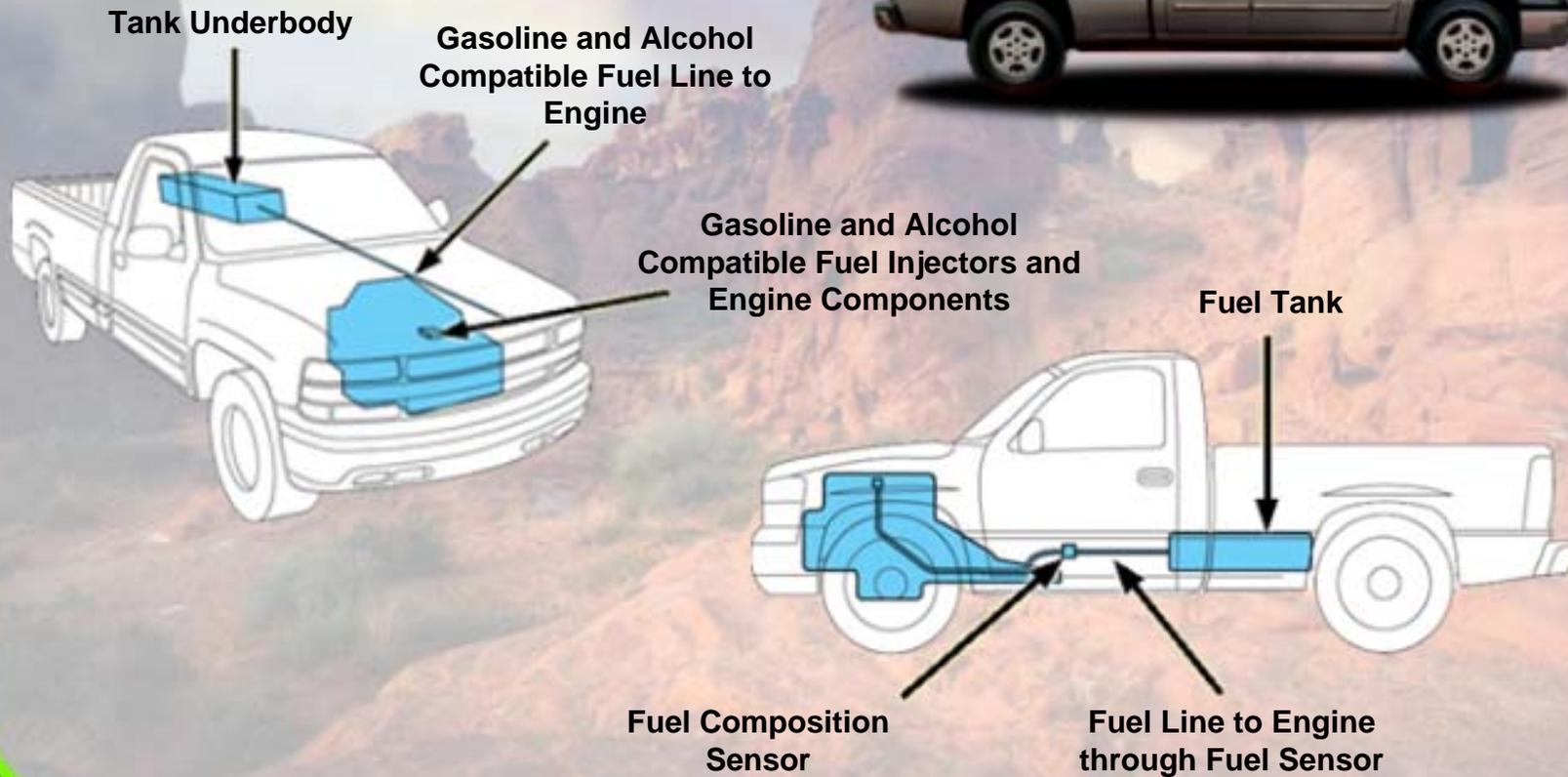


- Ethanol (E85) Flexible Fuel Program
- CNG Bi-Fuel and Dedicated Program

E85 Flexible Fuel

Chevy Silverado

GMC Sierra



E85 Flexible Fuel

Chevy Silverado

GMC Sierra



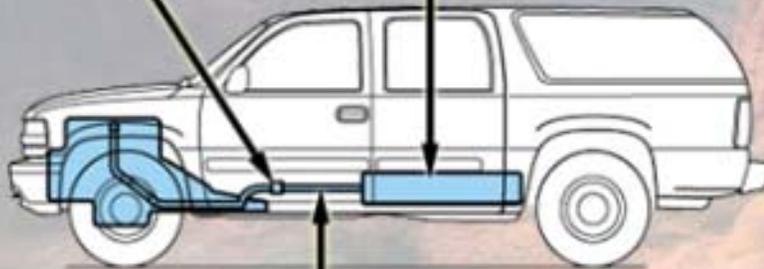
- — **1500 series, Vortec 5300 engine**
- — **2WD or 4x4**
(Manual Transfer Case available Fall 2003)
- — **Regular cab, short or long box**
Extended cab, short box
- — **N/A in NY, MA, ME, CA, VT**
- — **CFF LEV certified**

E85 Flexible Fuel Chevy Tahoe/Suburban GMC Yukon/Yukon XL



Fuel Composition
Sensor

Fuel Tank

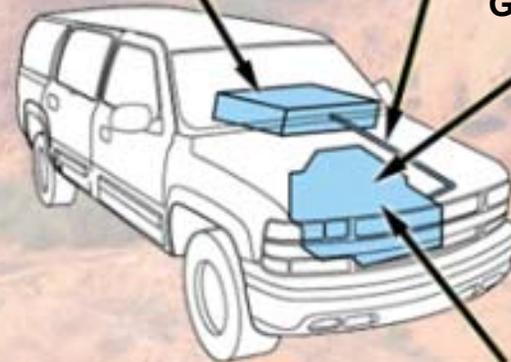


Fuel Line to Engine
through Fuel Sensor

Tank
Underbody

Gasoline and Alcohol
Compatible Fuel line to
Engine

Gaseous Fuel
Injectors



Gasoline and Alcohol
Compatible Fuel
Injectors and Engine
Components

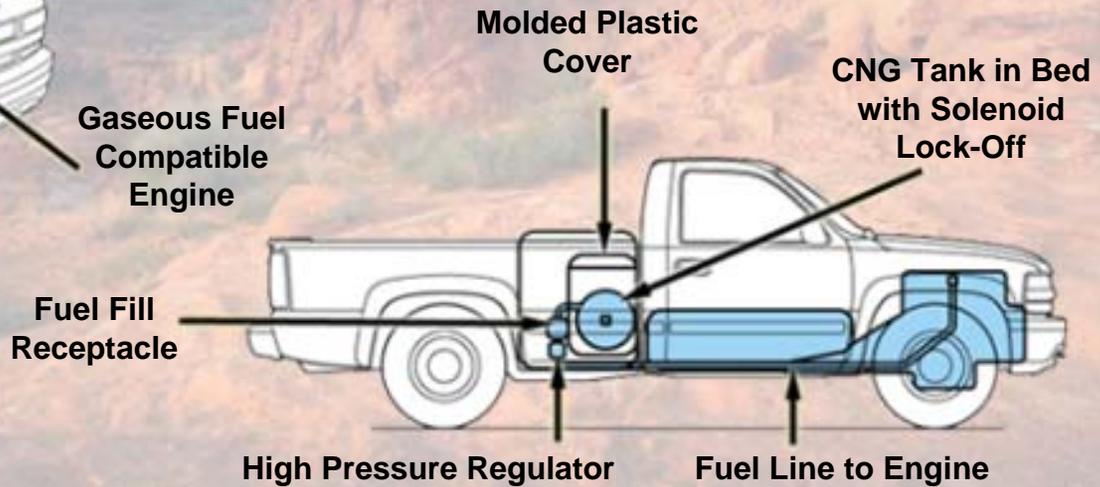
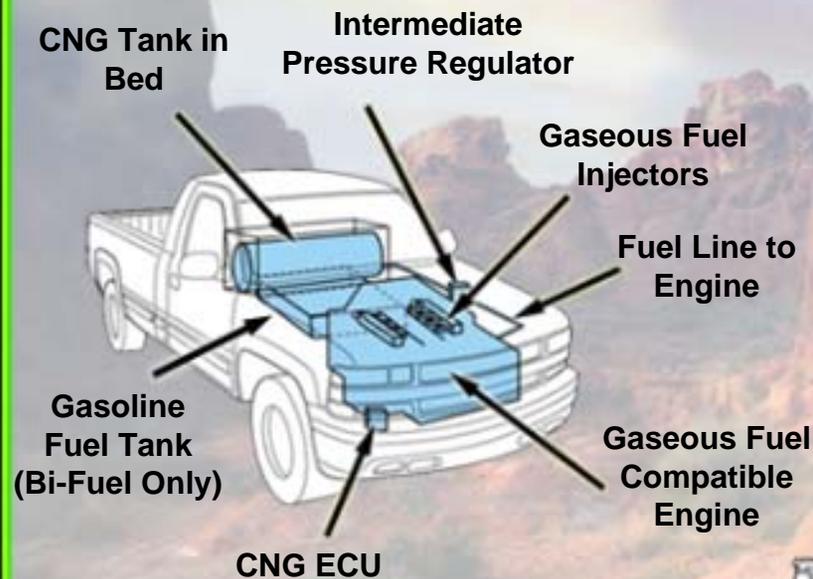
E85 Flexible Fuel

Chevy Tahoe/Suburban
GMC Yukon/Yukon XL



- | **1500 series**
 - | **Vortec 5300 engine**
 - | **FFV standard equipment**
 - | **N/A in MA, ME, NY, CA, VT**
 - | **CFF LEV certified**

CNG Bi-Fuel & Dedicated Chevy Silverado GMC Sierra



CNG Bi-Fuel & Dedicated Chevy Silverado GMC Sierra



- **2500 series, Vortec 6000 engine**
 - Regular, extended, and crew cab
 - 2WD or 4x4
 - 8500 or 9200 lbs. GVWR
- **20 gge CNG tank**
 - Accurate fuel gauges

CNG Bi-Fuel & Dedicated Chevy Silverado GMC Sierra



<u>Emissions</u>	<u>Fuel System</u>	<u>Fuel Type</u>	<u>Certification Level</u>
California	Bi-Fuel	CNG	ULEV
		Gasoline	ULEV
	Dedicated	CNG	ULEV
Federal	Bi-Fuel	CNG	ULEV
		Gasoline	LEV
	Dedicated	CNG	ULEV

CNG Bi-Fuel & Dedicated

Chevy Silverado

GMC Sierra

Exclusive Pickup Bed Delete



- 2500 series, Vortec 6000 engine

- Regular cab

- 2WD or 4x4

- 8500 or 9200 lbs. GVWR

- Crew cab

- 4x4

- 9200 lbs. GVWR

- 20 gge CNG tank mounted to frame rails

CNG Bi-Fuel & Dedicated

Chevy Silverado

GMC Sierra

Exclusive Pickup Bed Delete

9200 lbs. GVWR*



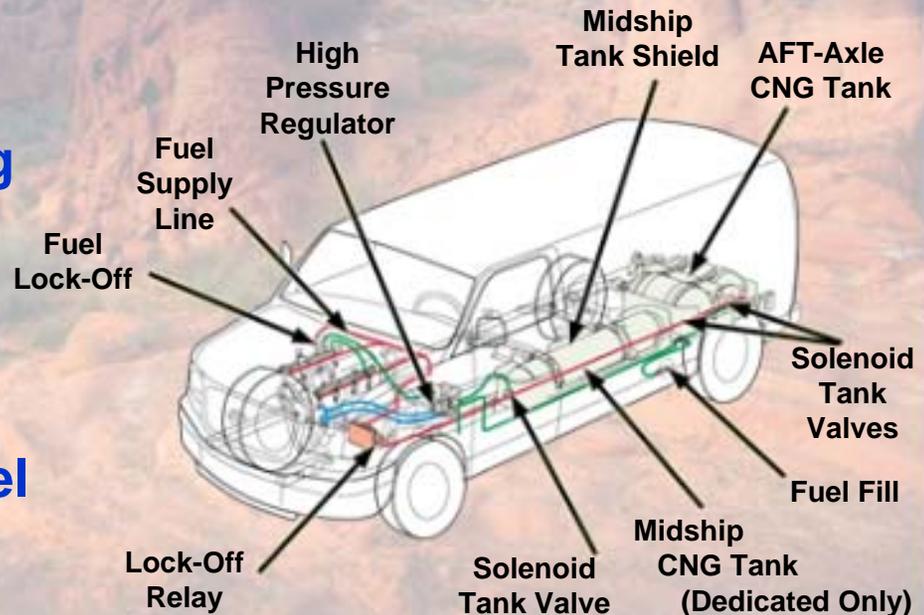
<u>Emissions</u>	<u>Fuel System</u>	<u>Fuel Type</u>	<u>Certification Level</u>
California	Bi-Fuel	CNG/Gasoline	ULEV
	Dedicated	CNG	LEV II ULEV
Federal	Bi-Fuel	CNG/Gasoline	ULEV
	Dedicated	CNG	ULEV Federal 04 Option 1

* 8500 lbs. GVWR emissions are the same as the pickup with a pickup bed

CNG Bi-Fuel & Dedicated Chevy Express GMC Savana



- Vortec 6000 engine
- 8500 or 9600 lbs. GVWR
- Cargo or Passenger
- 8 or 12 passenger seating
- 135 or 155 inch wheel base
- 20.3 gge dedicated CNG capacity, 11.2 gge bi-fuel CNG capacity

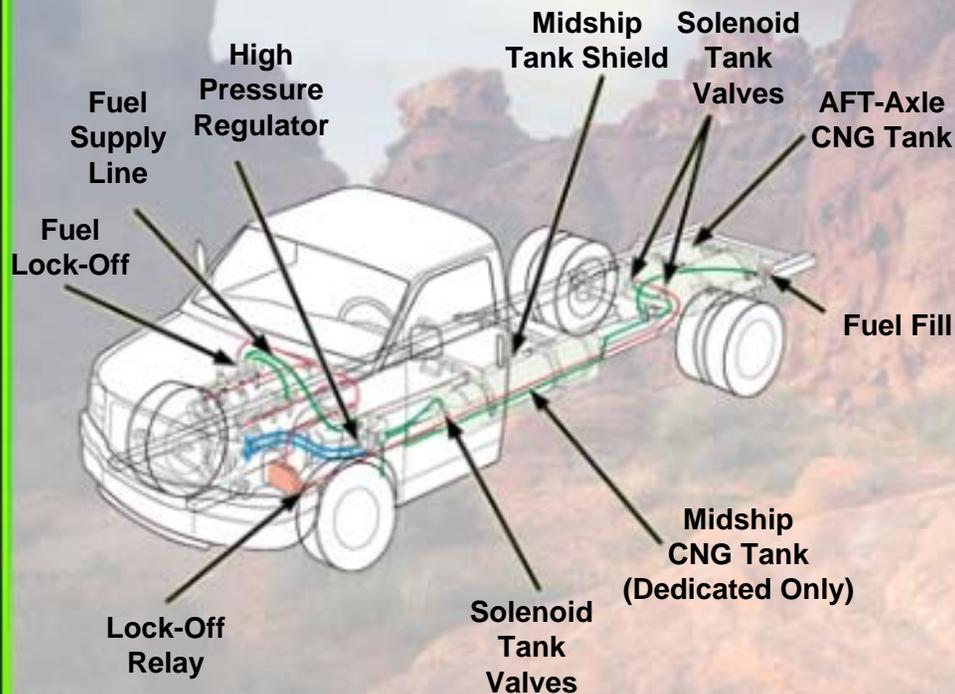


CNG Bi-Fuel & Dedicated Chevy Express GMC Savana



<u>Emissions</u>	<u>Fuel System</u>	<u>Fuel Type</u>	<u>Certification Level</u>
California	Bi-Fuel	CNG/Gasoline	LEV II ULEV
	Dedicated	CNG	LEV II ULEV
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Federal	Bi-Fuel	CNG/Gasoline	Tier 2 Bin 10
	Dedicated	CNG	Tier 2 Bin 8

CNG Bi-Fuel & Dedicated Chevy Express GMC Savana Cutaway



- Vortec 6000
- 12,000 or 12,300 GVWR
- 139 or 159 inch wheel base
- 29.7 gge dedicated CNG capacity, 20.6 gge bi-fuel CNG capacity

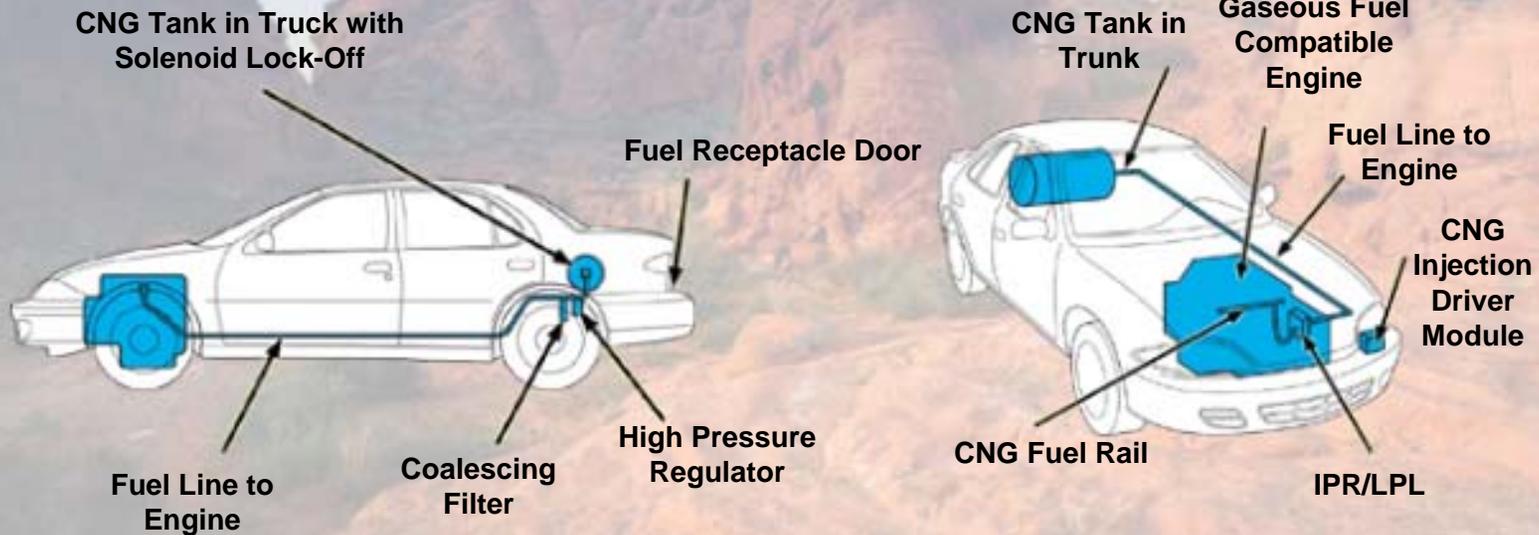
CNG Bi-Fuel & Dedicated

Chevy Express GMC Savana Cutaway



<u>Emissions</u>	<u>Fuel System</u>	<u>Fuel Type</u>	<u>Certification Level</u>
California	Bi-Fuel	CNG/Gasoline	05 ULEV
	Dedicated	CNG	05 ULEV
Federal	Bi-Fuel	CNG/Gasoline	ULEV EPA 05 Option 3
	Dedicated	CNG	ULEV EPA 05 Option 3

CNG Bi-Fuel Chevy Cavalier



CNG Bi-Fuel Chevy Cavalier



- | **2.2L Ecotech engine**
- | **6.2 gge CNG capacity**
- | **LEV California Emissions
Tier 2, Bin 8 Federal Emissions**

Introducing FlexPower

Chevy Silverado

GMC Sierra

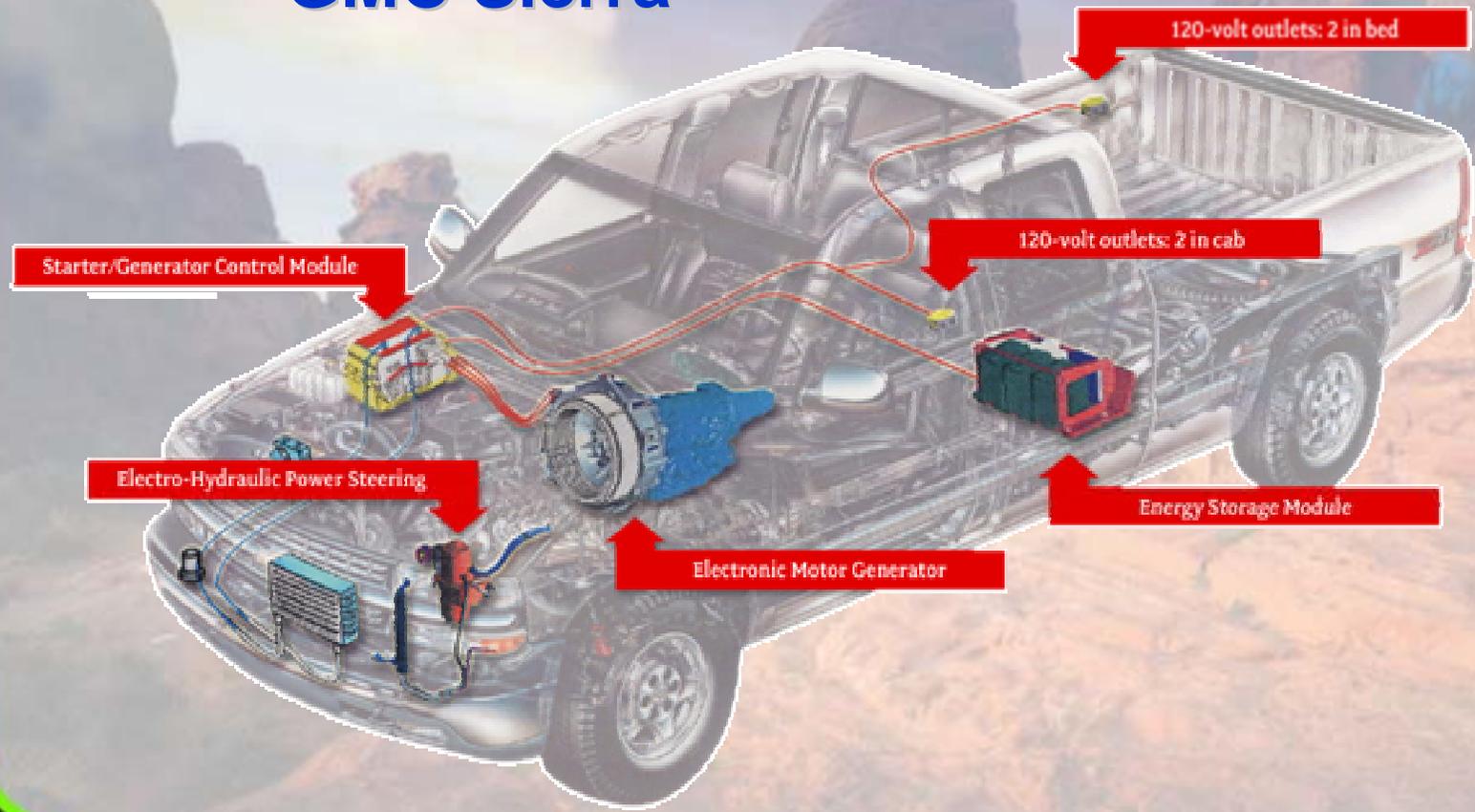


- Hybrid electric extended cab / short box fullsize pickup
 - Features the same performance as the conventional 5300 Vortec V-8
 - 120 Volt, 20 amp Electrical System
 - Four Auxiliary Power Outlets
 - 10 to 15% improvement in fuel economy
 - Reduced CO₂ emissions
 - 50 State Bin 8 SULEV 1 Emission Certification

Introducing FlexPower

Chevy Silverado

GMC Sierra



B5 Biodiesel Duramax



— New for 2004MY

-Not retroactive to previous model years

— Available with:

-Chevy Silverado 2500 HD and 3500 series

-GMC Sierra 2500 HD and 3500 series

-Chevy & GMC 560 series

•16,000 – 26,000 lbs. GVWR

LEV Gasoline Vehicles



- LEV emission certification
- Wide vehicle availability

visit www.gmaltfuel.com for a complete listing of
LEV vehicles

GM Certified AFV Dealer Network



- **166 Certified AFV Dealers**
 - Capable of ordering CNG products
 - Required to purchase service tools and train at least one technician
- **225 salespeople have attended AFV training**
- **Recruitment will continue in areas with CNG vehicles in operation**

visit www.gmaltfuel.com for a complete listing of Certified AFV Dealers



**For more information,
please contact:**

**GM Alternative Fuel Vehicles at
1-888-GM-AFV-4-U**

**Or visit our web site at
www.gmaltfuel.com**