



Fuel Friendly,
Earth Friendly,

Fleet Friendly

Roxie Thomas

August, 2008

Every fleet is concerned about rising fuel costs and reducing greenhouse emissions. And, so is Chrysler:

- We are developing vehicles that burn less fossil fuels
- We are increasing the number of vehicles we build that are powered by clean, domestically produced alternatives to gasoline, such as electric, ethanol and biodiesel
- We are utilizing new engine and transmission technologies to improve fuel economy
- Plus, we've created a new "Green Team", ENVI, to develop new electric propulsion vehicles



Hybrid Vehicles



Full Hybrid Electric Vehicle (HEV) system will be the 2009 Chrysler Aspen and Dodge Durango, followed by the 2010 Dodge Ram 1500

- Two-mode HEV system is a fully integrated combination of two electric motors. This system automatically adjusts for passing, driving steep grades or hauling a trailer
 - Capable of towing 6,000 lbs
- With power from two electric motors and a 5.7L V8 with fuel-saving MDS — the cylinder deactivation system expect:
 - 40% increase in an SUV's city mpg
 - 25% improvement overall

HYBRID
TWO MODE HEMI



HYBRID
TWO MODE HEMI



Flexible Fuel Vehicles (FFV)

E85 reduces CO2 emissions by 22% and reduce the nation's dependence on foreign oil by 34%

- Chrysler has produced nearly two million FFVs in the past decade, which is more than 10% of our vehicle production during that time
- Nearly one quarter of our production vehicles, almost 500,000 FFVs, will be produced during the 2008 MY for North America alone
- For the 2009 model year, Chrysler is offering 11 vehicles with Flexible Fuel Technology:
 - Dodge Grand Caravan, Cargo Van and Chrysler Town & Country with the 3.3-liter engine
 - Dodge Dakota, Ram, Durango, Chrysler Aspen, Jeep Commander and Grand Cherokee with the 4.7-liter engine
 - Dodge Avenger and Chrysler Sebring with the 2.7-liter engine



Clean Diesel Vehicles

Diesel engines have been around for more than 100 years, but today's clean diesels utilize the newest technology to reduce emissions.

- The new clean-diesel vehicles can:
 - Improve fuel economy by up to 30%
 - Reducing carbon dioxide emissions up to 20%
- We plan to utilize more clean-burning diesel engines in the near future:
 - Dodge Ram 1500 will receive a new Cummins clean-diesel engine - 2009
 - Development of a new 4-cylinder diesel engine
 - Expanding the use of the 3.0L V6 diesel engine across more product lines



Clean Diesel Vehicles



Clean Diesel Accomplishments:

- The Dodge Ram 2500/3500 pickup trucks with the Cummins® 6.7L Turbo Diesel, are the cleanest and strongest full-size pickups ever!
- The Dodge 4500/5500 vehicles are the only domestic trucks that meet California Air Resources Board low NOx idling emission standard and are *Clean Idle Certified*
- The BLUETEC diesel-equipped Dodge Ram Heavy Duty pickup and Jeep Grand Cherokee meets the stringent, 50-state, 2010 emissions standards today



A silver sedan is shown from a front-quarter view, driving on a paved road that curves through a lush, green forest. Sunlight filters through the trees, creating dappled shadows on the road. The car is positioned on the left side of the frame, moving towards the right.

Today's Fuel-Savings Technology

Fuel-saving technology today

- World Engine Program
 - Dodge Avenger & Sebring Sedan
 - Dodge Caliber
 - Jeep Compass & Patriot (4x2)
- Continuously Variable Transmission (CVT2)
 - Dodge Caliber
 - Jeep Compass and Jeep Patriot
- Multi-Displacement System (MDS)
 - When operating in four-cylinder mode, fuel economy is improved by up to 20%
 - Saved 58 million gallons of gasoline – based on sales volumes
 - As a result, 657,000 tons of Co2

Chrysler has 11 2008 vehicles that are SmartWay Certified by the EPA!



- Chrysler 300, PT Cruiser, Sebring, Sebring Convertible and PT Convertible
 - Dodge Avenger, Caliber, Charger and Magnum
 - Jeep Compass and Patriot (2WD and 4WD)
- The SmartWay certification mark is achieved if a vehicle receives a minimum of a 6 on both the Greenhouse Gas Score and the Air Pollution Score AND receives a combined score of 13 or higher
- Vehicles that receive this designation are considered by the EPA as very good environmental performers relative to other vehicles



U.S. EPA's Green Vehicle Guide
(www.epa.gov/greenvehicles)

Chrysler is also exploring new technologies that will help reduce fuel consumption in the future.

– **Phoenix Engine** - - 2009

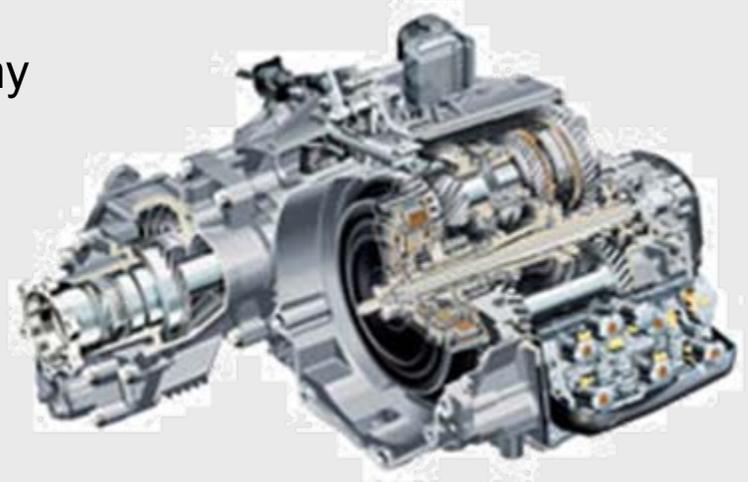
- Cylinder deactivation feature
- 6%-8% improvement on fuel economy

– **Dual Clutch Transmission** – 2009

- Shifting without torque interruption
- 6% improvement on fuel economy

– **Common Axle Technology** – 2010

- Lighter weight and less complexity
- Increases axle strength and improves fuel economy



Chrysler's New Green Team - ENVI Plug-in Hybrid Electric Vehicle Technology



“The creation of ENVI allows us to focus on the development of new generation environmentally responsible Chrysler, Jeep and Dodge vehicles. ENVI will develop electronic-propulsion vehicles that will provide customers with more fuel-efficient vehicle options”

- Bob Nardelli, Chrysler Chairman and CEO

Dodge ZEO Concept

Electric Vehicle with 250-mile all-electric range



Chrysler ecoVoyager Concept

Electric Vehicle with Fuelcell Range Extender



Jeep® Renegade Concept

Electric Vehicle with BLUETEC Diesel Range Extender



GEM Battery-Electric Vehicles

The Electric Choice For Greener Fleets



Global Electric Motorcars

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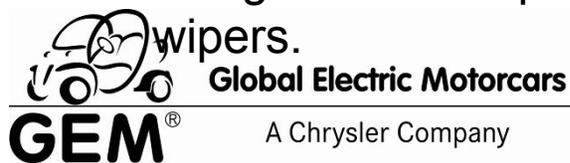


Contract Holder
FSS Contract GS-30F-0012N



The GEM Line of Battery-Electric Vehicles

- Classified as low-speed vehicles (LSVs)
- Top speed of 25 mph
- Street-legal in most states on roads posted 35 mph or less
- Range of 25-40 miles per charge depending on vehicle model and battery option
- GEM vehicles plug into a standard 110-volt outlet to recharge
- Meet all federal safety standards for low-speed vehicles
- Standard safety equipment includes:
 - Automotive safety glass, three-point safety belts, turn signals, halogen headlamps, brake lights, horn, mirrors and windshield



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2008 GEM Passenger Vehicles

GEM e2

Base MSRP: \$6,795



GEM e4

Base MSRP: \$9,695



GEM e6

Base MSRP: \$12,495



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2008 GEM Utility Vehicles

GEM eS

Base MSRP: \$7,995



GEM eL

Base MSRP: \$9,595



GEM eL XD

Base MSRP: \$10,995



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Experience Proven Technology

- Four-wheel automotive-style hydraulic brakes and parking brake
- Automotive rack-and-pinion steering
- Welded aluminum space-frame using aluminum-alloy extrusions
- Solid-state custom motor controller with under and over voltage detector, regenerative braking, motor thermal protection and top speed regulation
- On-board 72-volt DC charger that plugs into a standard 110-volt AC 15-amp outlet
- Spacious cab (47 to 109 cubic feet depending on vehicle model)



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Expand Your Capabilities

- Payload capacities ranging from 680 to 1,450 pounds depending on vehicle model
- Heavy-duty DC motor with continuous 5 (or 7*) horsepower rating and 12 (or 15*) horsepower peak during acceleration and hill climbing
- Six 12-volt flooded electrolyte batteries are standard on the GEM e2, GEM e4, GEM eS and GEM eL; six 12-volt maintenance-free gel batteries are standard on the GEM e6; nine 8-volt maintenance-free gel batteries are standard on the GEM eL XD



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GEM Vehicle Options

- Cargo carriers
- Doors
- Heaters and fans
- Interior lights and accessory plugs
- Chrome and aluminum wheels
- Maintenance-free gel batteries
- Fast chargers
- Police and patrol options



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Why Fleet Operations Choose GEM Vehicles

- Fulfills Executive Orders 13123, 13149, and 13423
- All models tested and certified by the U.S. Department of Energy
- Zero tailpipe emissions
- Can be used both indoors and outdoors
- Assembled in the United States
- Easy to operate
- Greater fuel efficiency
- Cost-effective



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Reduces Fuel, Maintenance and Overall Ownership Costs

- GEM battery-electric vehicles function at the gasoline fuel economy of 150-220 miles per gallon depending on vehicle model
 - Less than two cents per mile for “electric” fuel
- Requires little to no maintenance
 - Only need to charge batteries and keep tires inflated
- One-third the cost of ownership of gasoline-powered vehicles



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Where GEM Vehicles Are Used

- Federal and military installations
- State and local governments
- College, industrial, and medical campuses
- Police departments
- Airports
- Rental fleets
- Resorts and amusement parks
- Master planned communities



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What GEM Vehicles Are Used For

- Hauling equipment
- Transporting personnel
- Security patrol
- Grounds maintenance
- Driving inside factories
- Business services
- Running errands



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For More Information

- Visit www.gemcar.com to:
 - request a quote
 - find your nearest authorized GEM dealership
 - learn how GEM vehicles can have a positive impact on your organization



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