

Advanced Diesel Technology Fact Sheet

ADVANCED DIESEL ENGINES

DESCRIPTION:

Advanced diesel engines are one of the sophisticated technologies available today in coexistence with hybrids as a short-term solution, while fuel cell technology is a potential long-term solution to dependency on oil. Chrysler Group continues to invest in and develop diesel technology for better fuel economy and fewer emissions as a core competence. New diesels are a key technology available today that can dramatically reduce the amount of crude oil consumed worldwide with an existing infrastructure.

CUSTOMER BENEFIT:

Today's diesel engines utilize advanced technology to offer smooth, responsive performance while increasing fuel economy approximately 30 percent and reducing CO₂ emissions an average of 20 percent compared to equivalent gasoline engines. The negative features associated with diesel passenger cars of 20 years ago have been virtually eliminated. Diesel is a proven technology. For years, Europeans have enjoyed the fuel economy benefits that diesel engines provide. More than 42 percent of all passenger vehicles sold in the European Union, and an even higher proportion of Luxury vehicles sold there today, are powered by diesel engines.

2.8-LITER COMMON RAIL DIESEL ENGINE

DESCRIPTION:

The 2.8-liter Common Rail Diesel (CRD) engine encompasses the latest in diesel technology. With a common-rail fuel delivery system and a turbocharger, it rivals the torque of a small eight-cylinder gas engine. The diesel power plant will be available in the 2005 Jeep® Liberty and marks the first use of a diesel engine in a mid-size sport-utility vehicle in North America.

CUSTOMER BENEFIT:

The 2.8-liter CRD has three best-in-class statistics: 295 lb.-ft. (400 N•m) of torque @ 1,800 rpm, driving range of 480 miles and towing capacity of 5,000 pounds. The engine produces 160 horsepower and gets an estimated fuel economy of 22 mpg city and 27 mpg highway.

AVAILABILITY:

2005 Jeep Liberty

5.9-LITER CUMMINS 610

DESCRIPTION:

A long-time member of Chrysler Group's powertrain offerings is the Cummins Turbo Diesel. In 1988 Chrysler Group and Cummins revolutionized the diesel pickup with the Dodge Ram Cummins Turbo Diesel. In model year 2005, a new version of the in-line six cylinder turbocharged engine was introduced, the Cummins 610.

CUSTOMER BENEFIT:

With 610 lb.-ft. (827 N•m) of torque, the new engine provides better performance for trailer towing, acceleration, throttle response and drivability. Chrysler Group and Cummins engineers worked together to make the 610 quiet and comfortable for our customers.

AVAILABILITY:

2005 Dodge Ram 2500 and 3500 pickup trucks

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