

September 1, 2006

## **Jeep® Adds Diesel and Ehtanol-fueled Engines to 2007 Jeep Grand Cherokee**

### **Auburn Hills, Mich. -**

Since its introduction in 1992, the Jeep® Grand Cherokee has revolutionized the sport-utility (SUV) market. With best-in-class tractive capability and best-in-class power, the 2007 Jeep Grand Cherokee is designed, engineered and built to master every imaginable day-to-day driving condition, whether on-road or off-road.

“Whether it’s on-road or off-road that your travels lead you, the Jeep Grand Cherokee cuts a trail no other SUV can follow,” said George Murphy, Senior Vice President – Global Marketing, Chrysler Group. “Just as it did when it debuted on the market, the 2007 Jeep Grand Cherokee sets the benchmark for off-road capability and continues to do so for on-road refinement.”

For 2007, Jeep Grand Cherokee is the first to offer a diesel engine in the full-size SUV segment. The new 3.0-liter common rail turbo diesel (CRD) engine offers up to 30 percent improvement in fuel economy, class-leading torque, outstanding towing capacity (7,400 lbs. when properly equipped) and class-leading driving range (approximately 425 miles). Also new for the 2007 model year is a flex-fuel-capable, 4.7-liter, single-overhead-cam (SOHC) V-8 engine, which gives customers the ability to use up to an 85 percent concentration of ethanol (E-85) to fuel their vehicles.

The 2007 Jeep Grand Cherokee also adds side-curtain air bags with roll-detection system as a standard safety feature. Remote start is included as standard on Jeep Grand Cherokee Limited and Overland, and optional on Jeep Grand Cherokee Laredo.

-###-

September 1, 2006

## **2007 Jeep® Grand Cherokee: What's New for 2007**

**Auburn Hills, Mich. -**

### **“WHAT’S NEW FOR 2007”**

#### **EXTERIOR**

- Five new colors: Red Rock Crystal, Light Graystone, Steel Blue Metallic, Jeep Green Metallic, Mineral Gray Metallic
- Narrow molded-in-color black body molding for Laredo (Laredo appearance upgrade)
- Body color door handles on all Laredos
- Revised rear taillights
- Brushed aluminum stainless steel front sill guards on Overland

#### **INTERIOR**

- Improved finish on upper instrument panel
- Color keyed interior color cup holders
- Center console bezel changed from black to match other interior bezels — Laredo
- Chrome accent HVAC knobs — Laredo
- Cut and sew padded vinyl center arm rest — Limited
- Chrome rings on instrument gauges — Laredo

#### **POWERTRAIN/CHASSIS**

- 3.0-liter Common Rail Diesel (CRD) engine with Dana 44 axle in 2WD models (not available in ME, NY, VT, CT, CA)
- Diesel Particulate Filter (DPF) standard
- 4.7-liter SOHC V-8 Flexible Fuel Vehicle (FFV) (not available in ME, NY, VT, CT, CA)
- Remote start
- Electronic Throttle Control (ETC) and Exhaust Gas Recirculation (EGR) standard on 3.7-liter engine
- Standard tires: P245/65R17 Goodyear Fortera replaces Wrangler SRA and HP

#### **SAFETY and SECURITY**

- ParkSense® Rear Back-up System on Laredo
- ParkView Rear Back-up Camera — Available Laredo and Limited
- Active turn signals — “3-Blink Lane Change”
- Standard side curtain air bags

#### **PACKAGES**

- Fog lamps optional on Laredo Package
- Laredo Popular Equipment Group with heated seats, remote start and adjustable pedals optional on Laredo Package
- Sun and Sound Group with AM/FM/six-disc CD and power sun roof

- Premium Sound Group with Boston Acoustics and SIRIUS optional on Laredo Package

-###-

September 1, 2006

## 2007 Jeep® Grand Cherokee: Design

Auburn Hills, Mich. -

### DESIGN

*Trevor Creed, Senior Vice President – Design, Chrysler Group: “The 2007 Jeep Grand Cherokee offers an athletic and contemporary appearance. It is proof that there is no reason that a capable vehicle can’t be comfortable and polished.”*

#### Exterior Ready to Take Action

With its upright and substantial posture, the 2007 Jeep Grand Cherokee’s design offers an athletic and contemporary appearance. The exterior design has a high belt line and a reduced glass-to-body proportion. The signature seven-slot grille boldly dominates the front view. The Grand Cherokee Laredo features a body-color grille, while a chrome-plated grille accents the Limited.

The shape of the body is designed to protect the sides of the vehicle from potential road debris. The bodyside molding also has the integrated Grand Cherokee name for a high-quality look and feel. At the side, a proportionately longer hood and greater distance between the center of the front axle and the base of the windshield emphasize the engine compartment and help to achieve a more powerful image.

#### Interior Design Elegant and Functional

The Jeep Grand Cherokee takes capability and refinement to new levels. An inviting interior awaits occupants with a rich, two-tone instrument panel treatment, door trims and upscale interior finishes.

Jeep Grand Cherokee’s seats are beautifully crafted with contours that are precise, firm and ergonomic, featuring a robust structure. They are purpose-built and designed for long-distance comfort with trim styles different for each model: Laredo features cloth and optional leather, while Limited seats are two-tone leather with perforated inserts.

The dramatic and elegant instrument panel design offers a high degree of precision. Jeep Grand Cherokee Laredo adds chrome control buttons for 2007, and all models have upgraded interior appointments. The instrument panel features a dark upper color and lighter lower color. Multiple bins are available for additional storage.

In the rear cargo area, versatility and storage reign. A reversible load-floor panel is carpeted on one side and offers easy-to-clean plastic on the other. The plastic side includes a large shallow tray for additional utility.

-###-

## 2007 Jeep® Grand Cherokee: Engineering

Auburn Hills, Mich. -

### ENGINEERING

*Craig Love, Vice President – Rear-Wheel Drive Product Team, Chrysler Group: “True to its Jeep heritage, the Jeep Grand Cherokee is designed to be the most capable 4x4 in its class. The 2007 Jeep Grand Cherokee offers the best of all worlds. With three full-time 4x4 systems and four superior engine offerings, the Jeep Grand Cherokee is the real thing.”*

#### Four-Wheel Drive Systems

##### Quadra-Trac I®

For Jeep Grand Cherokee customers who want the assurance of full-time four-wheel drive without any switches or levers to pull, Quadra-Trac I is ideal. The system provides for smooth operation of the vehicle over a variety of road conditions.

The NV140 transfer case splits torque 48/52 percent (front/rear) for nearly even distribution of engine power. The single-speed transfer case has been designed to rigorous Jeep durability standards while offering smooth and quiet operation. The use of the Brake Traction Control System (BTCS) with the NV140 transfer case makes the 4x4 system extremely competent in most situations.

##### Quadra-Trac II®

The Quadra-Trac II 4x4 system for Jeep Grand Cherokee gives the customer the benefit of the NV245 two-speed active transfer case and BTCS.

The NV245 transfer case is the same used in the Quadra-Drive II® system. It takes input from a variety of sensors to determine tire slip at the earliest possible moment and take corrective action. The system also uses Throttle Anticipate — sensing quick movement in throttle from a stop — and takes steps to maximize traction before tire slippage occurs.

Torque is transferred to the individual wheels as needed by the BTCS to maintain traction in changing road conditions. When the system senses tire slip, it modulates brake pressure to the slipping wheel, which directs torque to the tires with the best traction.

Quadra-Trac II features an electronic shift mechanism for ease of use. The transfer case offers a low range for off-road situations and includes a neutral position for trouble-free towing behind another vehicle.

##### Quadra-Drive II

The Quadra-Drive II Jeep 4x4 system offers customers the ultimate in off-road capability. It combines the NV245 full-time transfer case with Electronic Limited Slip Differentials (ELSD) for best-in-class tractive performance. The system instantly detects tire slip and smoothly distributes engine torque to the tires with

traction. In some cases, the vehicle will even anticipate low traction and adjust to proactively limit or eliminate slip.

The heart of the system is the NV245 active transfer case. This transfer case includes a center differential coupled with an electronically controlled clutch pack, varying it from a completely open state to completely locked and infinite possibilities in between. The 4-Low gear ratio is 2.72:1.

A key component in the Quadra-Drive II system is the ELSD — an industry-first application front/rear/center and the benchmark for automatic traction differentials. The ELSD uses electronically controlled clutch packs to automatically and instantly vary from slip to lock at each axle. This maximizes traction when needed without any of the on-road drawbacks normally associated with such a robust 4x4 system.

All components of the system work together, continually monitoring needs, to provide smooth and automatic application of the components for best-in-class tractive performance while improving the day-to-day on-road driving experience. For example, the ELSD releases the clutch packs in the front axle during turns to allow differentiation and prevent crow hop.

## **Engines**

### **3.0-liter Common Rail Turbo Diesel**

The new 3.0-liter common rail turbo diesel (CRD) engine produces 215 hp (160 kW) @ 4,000 rpm and 376 lb.-ft. of torque (510 N•m) @ 2,000 rpm. The engine offers up to 30 percent improvement in fuel economy, class-leading torque, outstanding towing capacity (7,400 lbs.) and class-leading driving range (approximately 425 miles). And, clean diesel technology reduces CO<sub>2</sub> emissions by an average of 20 percent. The new engine will be available starting in the first quarter of 2007.

### **3.7-liter SOHC V-6**

The 3.7-liter V-6 engine provides the 2007 Jeep Grand Cherokee with a powerful standard engine that is efficient, durable and smooth. It produces 210 hp (157 kW) @ 5,200 rpm and 235 lb.-ft. (319 N•m) of torque @ 4,000 rpm. A sophisticated Electronic Throttle Control system tailors throttle response to pedal movement based on operating conditions, and maintains a consistent vehicle speed on rolling grades when cruise control is active. New on the 3.7-liter engine for 2007 is an exhaust gas recirculation valve, which helps increase fuel economy.

### **4.7-liter SOHC V-8 (FFV)**

For 2007, the Jeep Grand Cherokee with the 4.7-liter V-8 engine is flex-fuel capable. This feature gives customers the ability to use up to an 85 percent concentration of ethanol (E-85) to fuel their vehicles. The seamless transition of one fuel to another is accomplished by an advanced calibration system that determines the concentration of ethanol in the gasoline and adjusts for greatest operational efficiency. Flex-fuel vehicles (FFVs) support renewable sources of fuel and reduce emissions. The engine produces 235 hp (175 kW) @ 4,500 rpm and 305 lb.-ft. (414 N•m) of torque @ 3,600. (Not available in Maine, New York, California, Connecticut and Vermont.)

### **5.7-liter HEMI® V-8**

The 5.7-liter HEMI V-8 is a highly refined power plant that delivers outstanding performance and reduced noise, vibration and harshness. The engine produces 330 hp (246 kW) @ 5,000 rpm and 375 lb.-ft. (509 N•m) @ 4,000 rpm. The engine gives the Grand Cherokee best-in-class power, while 90 percent of the engine's peak torque is available from 2,900 rpm through 5,100 rpm for excellent performance. The engine features the Multi-Displacement System (MDS), which deactivates four cylinders when the V-8 is not needed. Chrysler Group was the first manufacturer to offer fuel-conserving MDS in an SUV.

Some of the significant technologies enabling MDS include the speed of electronic controls, the sophistication of the algorithms controlling the systems

and the use of Electronic Throttle Control.

### **Suspension Steering Systems and Transmissions**

The short- and long-arm independent front suspension on Grand Cherokee provides the driver with a greater sense of precision and control and more precise steering, and reduces vehicle weight and head toss, all without compromising the vehicle's off-road performance. The five-link rear-suspension geometry, including a track bar, also improves lateral stiffness to match that of the front suspension for optimum handling.

Electronic Stability Program (ESP), which is standard, aids the driver in maintaining vehicle directional stability in severe maneuvers on any type of surface. It works by using signals from sensors throughout the vehicle that then determine the appropriate brake and throttle adjustments for directional stability.

Grand Cherokee's rack-and-pinion steering imparts more precise steering to the driver, providing quick response during all types of maneuvers.

Available with the 3.7-liter V-6 engine is the W5A580, a five-speed automatic transmission that provides smooth shifts and optimum fuel economy. The 3.0-liter CRD engine is mated to the W5J400 five-speed automatic transmission. The 4.7-liter V-8 and the 5.7-liter HEMI V-8 engines are mated to the 545RFE five-speed automatic transmission. The W5J400 and the W5A580 have been refined for higher-quality shifts while giving Grand Cherokee class-leading towing capacity of 7,400 lbs. All transmissions feature Electronic Range Select driver interactive shift control. The shifter provides fully automated shifting when in the "drive" position. Or the driver can manually select each gear by simply moving the shifter left and right from the "drive" position. This gives the driver control to precisely match any on-road or off-road requirement.

### **Jeep Trail Rated®**

The Jeep Trail Rated badge on the 2007 Jeep Grand Cherokee verifies that the vehicle has been designed to perform in a variety of challenging off-road conditions identified by five key off-road performance categories: traction, ground clearance, maneuverability, articulation and water fording.

Jeep Trail Rated is an industry-leading methodology that objectively measures and consistently predicts off-road performance for all Jeep vehicles. Through a combination of natural and controlled field tests, as well as computer-simulated environments, Jeep Trail Rated provides a repeatable and consistent measurement of off-road performance for Jeep vehicles. Only Jeep vehicles are Trail Rated.

-###-

## **2007 Jeep® Grand Cherokee: Product Highlights**

**Auburn Hills, Mich. -**

### **PRODUCT HIGHLIGHTS**

- All-new from the ground up in 2005, Grand Cherokee continues a tradition of Jeep innovation with new technologies, sophisticated Jeep design, on-road refinement and off-road capability
- The exterior design stays true to its authentic Jeep character with signature seven-slot grille and trapezoidal wheel openings yet includes an added level of sophistication for a distinctively Jeep design statement that easily moves from the outdoors to the opera
- Sophistication of the exterior design continues on the interior with attention to detail and craftsmanship that gives customers more interior space, comfort and premium features
- The 2007 Jeep Grand Cherokee diesel is the first diesel-powered full-size SUV in the U. S.
- The Jeep Grand Cherokee revolutionized the sport-utility market when it debuted in 1992

### **Class-Leading Four-Wheel-Drive Capabilities**

- Choice of three 4x4 systems — Quadra-Trac I®, Quadra-Trac II® and Quadra-Drive II®
- The Quadra-Drive II Jeep 4x4 system gives customers the ultimate in off-road capability by combining the NV245 full-time transfer case with Electronic Limited Slip Differentials (front/rear/center) for best-in-class tractive performance
- Staying true to its legendary 4x4 heritage, the Jeep Grand Cherokee is Trail Rated®

### **Command and Control of the Road**

- Standard Electronic Stability Program
- Independent front and five-link rear suspension offers superior on-road ride, handling and performance
- Longer and wider for improved ride and stability
- Rack-and-pinion steering and independent front- and five-link rear-suspension systems

### **Four Leading Engine Options Deliver Performance and Improved Fuel Economy**

- All-new 3.0-liter CRD is a smooth-running engine that delivers improved fuel economy without sacrificing performance
- 3.7-liter SOHC V-6 standard engine offers improved fuel economy
- Revamped 4.7-liter SOHC V-8 flex-fuel engine
- The 5.7-liter HEMI® V-8 engine delivers exhilarating performance with its 330 horsepower



- The original nimble size and successful formula that Jeep Grand Cherokee owners know and love
- The 2007 Jeep Grand Cherokee preserves the right-size package that is critical for off-road use and provides nimble handling on-road
- The Jeep Grand Cherokee offers premium amenities such as SmartBeam® auto-dimming headlamps, ParkSense Rear Back-up System, ParkView, rear-seat DVD entertainment, UConnect® Hands-free Communication, navigation system, power sun roof, heated seats, SIRIUS Satellite Radio, remote rear glass, automatic windshield wipers, adjustable pedals and dual-zone heating, ventilation and air conditioning
- Jeep Grand Cherokee Overland offers many premium features as standard, including leather and real wood steering wheel, wood door and console trim bezels, side air bags, ParkSense, Tire Pressure Monitor, trailer tow group, DVD-based navigation radio, SIRIUS Satellite Radio, two-tone seats with ultra-suede and leather-trimmed seats with accent stitching, leather-wrapped center console armrest and “Overland” logo embroidered on front seat backs

### **Increased Torque, Towing and Range with New 3.0-liter Common Rail Turbo Diesel Engine**

- The 2007 Jeep® Grand Cherokee diesel is the first diesel-powered full-size sport-utility vehicle in the U. S.
- The new 3.0-liter CRD engine, built by Mercedes-Benz, produces 215 hp (160 kW) @ 3800 rpm and 376 lb. ft. torque (510 N•m) @ 1600-2800 rpm and gets an estimated fuel economy of 19 miles city and 23 miles highway
- The 3.0-liter diesel offers class-leading torque, outstanding towing capacity (7,400 lbs.), and class-leading driving range (approximately 425 miles)
- The 3.0-liter CRD engine will be available on the Jeep Grand Cherokee Laredo, Limited and Overland 4x2 and 4x4 models starting in the first quarter of 2007
- Clean diesel technology improves fuel economy by up to 30 percent and has approximately 20 percent fewer CO2 emissions

-###-

September 1, 2006

## **2007 Jeep® Grand Cherokee: Model Lineup**

**Auburn Hills, Mich. -**

### **MODEL LINEUP**

#### **2007 Jeep Grand Cherokee Laredo**

##### **Standard Features**

- 3.7-liter V-6 SOHC engine
- Five-speed automatic transmission
- Side-curtain air bags with roll-detection system
- Electronic Stability Program and Electronic Roll Mitigation
- Brake Assist
- Brake Traction Control
- Rack-and-pinion steering
- Four-wheel disc brakes with anti-lock
- Tire Pressure Monitor system
- One-touch up-down front windows
- Air conditioning
- P245/65R17 Goodyear Fortera all-terrain tires
- Eight-way power driver seat, and driver and front-passenger adjustable lumbar support
- Electronic vehicle information center
- 60-40 split-folding rear seat with folding outboard head restraint and retractable cup holders in seat cushions
- Sentry Key® Engine Immobilizer system and remote keyless entry
- Cargo storage with reversible load-floor and water-resistant storage compartment
- AM/FM stereo with CD
- Auxiliary input jack

##### **Optional Features**

- 3.0-liter CRD engine
- 4.7-liter FFV V-8 engine
- Quadra-Trac II
- Quadra-Drive II
- Off-Road Group
- AM/FM six-disc MP3 radio
- ParkSense
- Power sun roof
- Power adjustable pedals
- Heated seats
- Remote start
- SIRIUS Satellite Radio
- Trailer tow group
- Two-tone leather seats
- UConnect

**2007 Jeep Grand Cherokee Limited**

## **Standard Features**

In addition to the standard features on the Grand Cherokee Laredo, the Limited model includes:

- 4.7-liter SOHC V-8 FFV engine
- Five-speed automatic transmission
- Quadra-Trac II
- 17-inch machined-face aluminum wheels
- Roof rack rails
- Remote start
- Leather interior trim
- Power adjustable pedals with memory
- Rain-sensing automatic wipers
- SmartBeam
- Tire Pressure Monitor with display
- Leather-wrapped steering wheel
- Electrochromic interior rearview mirror
- Eight-way power driver and four-way power front-passenger seats
- AM/FM stereo with six-disc in-dash CD with MP3 capability
- Boston Acoustics six-speaker premium sound system with 276-watt digital amplifier
- HomeLink universal garage door opener

## **Optional Features**

- Quadra-Drive II
- 5.7-liter HEMI V-8 engine
- 3.0-liter CRD engine
- 17-inch aluminum chrome-clad wheels
- DVD-based navigation radio
- ParkView
- Trailer tow group
- Off-road package, which includes skid plates and tow hooks

## **2007 Jeep Grand Cherokee Overland**

### **Standard Features**

In addition to the standard features on the Grand Cherokee Limited, the Overland model includes:

- 5.7-liter HEMI V-8 engine
- Unique platinum accents and details
- 17-inch chrome-clad wheels
- Rear park assist
- Power-fold mirrors
- Trailer tow group
- DVD-based navigation radio with ParkView
- SIRIUS Satellite Radio

### **Optional Features**

- 3.0-liter CRD engine
- Electronic Infotainment System

## **2007 Jeep® Grand Cherokee: Safety and Security**

**Auburn Hills, Mich. -**

### **2007 JEEP GRAND CHEROKEE SAFETY AND SECURITY FEATURES**

*Please refer to the safety glossary in the Safety and Technology section for descriptions of the following available features:*

- Active Turn Signals
- Adjustable Pedals
- Advanced Anti-Lock Brake System
- Advanced Multi-Stage Air Bags
- BeltAlert
- Brake Assist
- Child Seat Anchor System – LATCH (Lower Anchor and Tethers for Children)
- Digressive Load-Limiting Seat Belt Retractors
- Electronic Roll Mitigation
- Electronic Stability Program
- Energy-Absorbing Steering Wheel and Column
- Enhanced Accident Response System
- Express Up-Down Front-Door Windows
- Four-Wheel Brake Traction Control System
- Head Restraints in All Outboard Seating Positions
- Knee Bolsters
- ParkSense
- ParkView
- Rain-Sensitive Wipers
- Remote Keyless Entry
- Seat Belt Pretensioners
- Sentry Key Theft Deterrent System
- Side-Curtain Air Bags With Roll-Detection System
- SmartBeam Headlamps
- Three-Point Belts in All Seating Positions
- Tire Pressure Monitoring System With Warning Indicator
- UConnect Hands-free Communication

### **COLOR AVAILABILITY**

- Jeep Green Metallic Clear Coat (New Color)
- Light Graystone (New Color)
- Mineral Gray Metallic Clear Coat (New Color)
- Red Rock Crystal (New Color)
- Steel Blue Metallic (New Color)
- Stone White Clear Coat
- Black Clear Coat
- Bright Silver Metallic Clear Coat

September 1, 2006

## **2007 Jeep® Grand Cherokee: Manufacturing Information**

**Auburn Hills, Mich. -**

### **MANUFACTURING INFORMATION**

- 2007 model year production start: August 2006
- Production location: Jefferson North Assembly Plant in Detroit
- 3.0-liter CRD V-6 engine: Berlin Marienfelde Plant, Berlin, Germany (Mercedes-Benz)
- 3.7-liter SOHC V-6 engine: Mack Avenue Engine Complex in Detroit
- 4.7-liter SOHC V-8 FFV engine: Mack Avenue Engine Complex in Detroit
- 5.7-liter HEMI V-8 engine: Saltillo Engine Plant in Saltillo, Mexico
- Five-speed automatic transmission (W5J400): Hedelfingen Transmission Plant in Germany (Mercedes-Benz)
- Five-speed automatic transmission (W5A580): Indiana Transmission Plant II in Kokomo, Ind.
- Five-speed automatic transmission (545RFE): Indiana Transmission Plant II in Kokomo, Ind.

-###-

## **2007 Jeep® Grand Cherokee: Market Position and Advantages**

**Auburn Hills, Mich. -**

### **MARKET POSITION**

Jeep Grand Cherokee delivers a sporty and sophisticated driving experience with superior on-road ride and handling, best-in-class 4x4 capability and technological innovations in a well-appointed package.

### **MARKET ADVANTAGES**

#### **Overland delivers the most advanced, luxurious Grand Cherokee to date**

- Unique exterior styling cues including wheels, Platinum accents, and body-color exterior mirrors
- Real wood and leather/suede accents surround the occupants with rich luxury
- A long list of standard features including 5.7-liter HEMI, navigation radio and ParkView

#### **Grand Cherokee delivers luxury, comfort and convenience**

- Nimble and easy to maneuver; right size
- Four engines and three 4x4 systems — the most options of any full-size SUV
- Contemporary style with premium amenities including DVD and SmartBeam

#### **Grand Cherokee delivers class-leading on- and off-road capability and control**

- Quadra-Drive II — the next great four-wheel-drive innovation from Jeep
- Standard Electronic Stability Program with Electronic Roll Mitigation
- Jeep-engineered steering and suspension systems provide great on-road manners

#### **3.0-liter CRD engine has an advanced common-rail direct injection and has a clean diesel powertrain**

- The first diesel in the U.S. full-size SUV segment adds unique capability in support of the Jeep brand's continued push for innovation and market leadership
- Class-leading torque with outstanding pulling power (7,400 lbs.)
- Class-leading driving range (425 miles)
- Jeep Trail Rated capability
- Clean diesel technology improves fuel economy by up to 30 percent and has approximately 20 percent fewer CO2 emissions

### **DEMOGRAPHICS**

- Gender: 56 percent male/44 percent female
- Median Age: 48
- Median Annual Household Income: \$84,000

- Household: 76 percent married, 18 percent parents

-###-

September 1, 2006

## 2007 Jeep® Grand Cherokee: Product Chronology

Auburn Hills, Mich. -

### PRODUCT CHRONOLOGY 2006 MODEL YEAR

New Overland 2WD and 4WD models

5.7-liter HEMI® V-8 with five-speed A/T (with Quadra-Drive II® on 4WD models)

Heated seats, sun roof, SmartBeam, UConnect® Hands-free Communication System, ESP

Platinum finish appliquéés and moldings

Wire lattice grille texture with platinum surround

Chrome front tow hooks

Body color front air dam with platinum accent

Platinum roof rack side rails with black crossbars

Platinum color accent moldings on exterior mirrors with power foldaway

Body color door handle grabs, license brow

Platinum finish on bodyside and beltline moldings

Body color sill moldings

Liftgate lightbar — Platinum

Rear bumper — Platinum accents

“Overland” badge

Supplemental side curtain air bags

Navigation radio

SIRIUS Satellite Radio

Unique, high-contrast two-tone seats with Ultra suede, accent stitching leather and real wood steering wheel

Real wood trim bezels — I/P, door, console

Shifter handle real wood insert

Leather-wrapped center console armrest

Unique cluster graphics — Color only



Unique vinyl-wrapped I/P cluster hood  
Overland logo embroidered on front seat backs  
Cargo net  
ParkSense™ rear park assist  
Unique 17-inch clad wheels — Platinum chrome  
P245/65R17 A/T (Outside White Lettering) OWL tires  
Tire Pressure Monitoring with display  
Trailer tow  
Optional engine block heater  
Optional DVD rear-seat entertainment system  
Optional (P3, P4 and P5)  
One-touch up/down windows — New standard feature  
Advanced side air bag option  
Audio input minijack on AM/FM CD radio  
Standard Electronic Stability Program (ESP)  
Brake Assist

## **LAREDO**

New Black color  
Quadra-Trac II, active full-time four-wheel drive, added to 3.7-liter V-6 engine as option on 4x4 models  
Automatic liftgate flipper glass  
High-performance halogen headlamps and fog lamps  
Power sun roof with express open and close  
X Package  
Heated seats (formerly optional)  
Two-tone leather seats  
Adjustable pedals (formerly optional)  
Off Road Group offered as option (P6 with tow hooks, OWL tires)

## **2005 MODEL YEAR**

All new Laredo and Limited 4x2 and 4x4 models with Uniframe® construction, aluminum hood, air dam, new fascias, grilles and bodyside moldings  
Longer wheelbase and wider track for improved stability and ride  
New independent short-long-arm front suspension and new five-link solid axle rear suspension  
New variable ratio, power-assisted rack and pinion steering  
Brake Traction Control System (BTCS) (4x4 models without Electronic Limited Slip Differential)

Optional Electronic Stability Program (ESP)

New Laredo body color grille and Limited chrome grille

New Laredo black bodyside moldings and Limited chrome belt molding

Automatic liftgate flipper glass

New high-performance halogen headlamps and fog lamps. SmartBeam™ auto-dimming high-beam headlamps available on Limited

Power sun roof with express open and close

Controller Area Network (CAN) electrical architecture

3.7-liter V-6 engine replaces 4.0-liter I-6 engine

New 5.7-liter HEMI® V-8 engine with multi-displacement system and electronic throttle control

545RFE multi-speed automatic transmission featuring tow/haul mode and electronic range select; standard with 4.7-liter and 5.7-liter V-8 engines

W5A580 five-speed automatic transmission with electronic range select standard with 3.7-liter V-6 engine

Optional Vari-Lok® progressive rear axle for 4x2 models only

Quadra-Trac I full-time four-wheel drive

Quadra-Trac II active full-time four-wheel drive

Quadra-Drive II active full-time four-wheel drive with front and rear Electronic Limited Slip Differentials

Hybrid (electric and engine-driven fans) cooling for 4.7-liter V-8 engine

Hydraulic cooling for 5.7-liter HEMI V-8 engine

Optional supplemental side-curtain air bags(b)

New two-tone interior color schemes

New Laredo eight-way power-adjusting driver and manual front passenger seat with lumbar

New driver eight-way and passenger four-way power seats with manual lumbar

DVD rear seat entertainment system

Boston Acoustics six-speaker audio system with 285-watt DSP amplifier

UConnect Hands-free Communication System

Full-screen, color DVD-based navigation system with integral AM/FM stereo radio with six-disc CD/MP3 player (REQ)

ParkSense rear back-up system

## **2004 MODEL YEAR**

Special Edition, Freedom, Columbia Edition and Rocky Mountain models introduced

New fascia, grille and fog lamps on all Grand Cherokee models

All models available in choice of either two-wheel drive or four-wheel drive

Quadra-Trac I single-speed transfer case introduced on Laredo (only available with 4.0-liter I-6 engine)

New navigation radio with 4.9-inch full-color display, AM/FM stereo, CD player and DVD-based navigation system

### **2003 MODEL YEAR**

New high-back cloth seat standard for Laredo

Interior upper head impact protection — Meets 2003 federal standard

Lower Anchors and Tethers for CHildren (LATCH) child seat anchor system

### **2002 MODEL YEAR**

Premium Overland model

New 4.7-liter High Output V-8 engine — Standard on Overland, optional on Limited

Vari-Lok® rear differential replaces rear Trac-Lok®(a) — Optional without Quadra-Drive®

New tire pressure monitor system — Optional

New rain-sensing automatic windshield wipers—Optional on Limited; standard on Overland

Thermal expansion valve added to air conditioning system to enhance cool-down

New electroluminescent cluster lighting—Standard on Overland and Limited

New optional power-adjustable accelerator and brake pedals

New optional inflatable supplemental side curtain air bags for front and outboard rear seat occupants — Standard on Overland

Air bag system upgraded with multiple threshold sensors and dual-stage inflators

ORVR (Onboard Refueling Vapor Recovery) added

### **2001 MODEL YEAR**

New 545RFE five-speed automatic transmission with 4.7-liter engine provides a second overdrive ratio for increased highway fuel economy and reduced engine noise at highway speeds

Industry-first hydraulically driven engine cooling fan on 4.7-liter engine for increased fuel economy and efficiency

New Euro-style seats with gathered leather on Limited

### **2000 MODEL YEAR**

Two-wheel drive available with 4.7-liter V-8 engine

Selec-Trac® transfer case available with 4.7-liter V-8 engine

### **1999 MODEL YEAR**

Complete redesign

Quadra-Drive® four-wheel drive system with Quadra-Trac® II transfer case and Vari-Lok axles

4.7-liter, SOHC, 16-valve SMPI V-8 engine (235 horsepower, 295 lb.-ft. of torque)

4.0-liter, OHV, 12-valve SMPI I-6 engine upgraded (195 horsepower, 230 lb.-ft. of torque); meets LEV exhaust emission requirements in CA, NY, MA and NE Trading Region states

45RFE multi-speed automatic transmission

New steering, suspension and brake systems

Infrared dual zone climate control, Limited only

Inside, under-floor spare tire stowage

Next-generation driver and passenger air bags(b)

Sentry Key® theft-deterrent system

#### **1998 MODEL YEAR**

Limited with 5.9-liter V-8 engine

Improved-response steering gear

#### **1997 MODEL YEAR**

4.0-liter engine meets Transitional Low Emission Vehicle (TLEV) standards where required

Two-wheel drive available with 5.2-liter engine

#### **1996 MODEL YEAR**

4.0-liter engine provides more usable torque and quieter operation

On-demand Quadra-Trac transfer case available

Driver and front-passenger air bags

Automatic-dimming day/night rearview mirror available

Heated front seats available

#### **1995 MODEL YEAR**

Higher torque for 5.2-liter engine

#### **1994 MODEL YEAR**

Four-wheel disc brakes on Limited

Front and rear side guard door beams for side-impact protection

#### **1993 MODEL YEAR**

5.2-liter V-8 engine introduced

Two-wheel drive available with 4.0-liter engine

#### **1992 MODEL YEAR**

Initial introduction spring 1992 as a 1993 model

(a) Trac-Lok® is a registered trademark of Spicer Technology, Inc.

(b) Certified to federal regulations that allow less forceful air bags. Always use seat belts.

Remember, a back seat is the safest place for children.

LEGEND: S=Standard, O=Optional, P=Package, — = Not available

Complete package information is listed at the end of the Feature Availability section.

NOTE: Information shown is correct at time of publication, and is subject to change without notice.

## 2007 Jeep® Grand Cherokee FEATURE AVAILABILITY

	Laredo	Limited	Overland
<b>EXTERIOR</b>			
Antenna—Fixed _____	S	S	S
Badging _____			
“HEMI” bright, on liftgate passenger side _____	—	O/P	S
“Trail Rated®” on front fender driver side (4x4 models only) _____	O/P	S	S
“Limited” bright _____	—	S	—
“Laredo” bright _____	S	—	—
“Overland” bright _____	—	—	S
“Jeep” bright, on hood and liftgate _____	S	S	S
“4x4” bright, liftgate mounted (4x4 models only) _____	S	S	S
<b>Colors</b>			
Red Rock Crystal, Light Graystone, Steel Blue Metallic, Jeep Green Metallic, Bright Silver, Black, _____	O	O	O
Mineral Gray Metallic, Stone White _____	O	O	—
Crossbars—Roof rail, adjustable _____	O/P	S	S
<b>Door Handles</b>			
Body color _____	S	S	S
<b>Fascias—Body color</b>			
Front and rear (body color) _____	S	—	—
Front and rear (Body color with bright insert) _____	—	S	—
Front and rear (Body color with platinum insert) _____	—	—	S
Fog Lamps _____	O/P	S	S
<b>Headlamps</b>			
Halogen _____	S	S	S
Automatic on/off _____	P	S	S
SmartBeam® _____	—	S	S
<b>Glass</b>			
Liftgate, flipper with electric release and self-rising feature _____	S	S	S
Solar Control Glass front windshield and front doors _____	S	S	S
Sunscreen Glass rear doors, rear quarter windows and liftgate _____	S	S	S
<b>Grille</b>			
Body color _____	S	—	—
Chrome _____	—	S	—
Platinum w/black texture _____	—	—	S
Liftgate Lightbar, Platinum _____	—	—	S
Lock Set—Driver door only key cylinder _____	S	S	S
<b>Mirrors</b>			
Dual, power, manual foldaway (black) _____	S	—	—
Dual, power, heated, foldaway (black) _____	P	—	—
Dual, power, heated, foldaway with memory feature and automatic dimming driver's side (black) _____	—	S	—
Dual, power, heated, power folding with memory feature and automatic dimming driver's side (body color) _____	—	—	S

Moldings			
Belt, black _____	S	—	—
Belt, bright _____	—	S	S
Bodyside, non-metallic accent molded-in-color _____	S	—	—
Bodyside, chrome _____	—	S	—
Bodyside platinum _____	—	—	S
Sill, accent non-metallic molded-in-color (Black) _____	S	S	—
Body color sill moldings _____	—	—	S
Windshield, black _____	S	S	S
Roof Rack			
Black _____	S	S	—
Platinum side rails with black crossbars _____			S
Sun Roof—Power with one-touch express open and close feature _____	P	S	S
Wipers			
Variable-delay intermittent _____	S	—	—
Rain-sensing automatic _____		S	S
Rear window _____	S	S	S

Laredo Limited Overland

### INTERIOR

Assist Handles _____	S	S	S
Battery Saver (automatically turns off exterior and interior lamps after eight minutes) _____	S	S	S
Cargo Storage—Covered—Load floor includes reversible, water-resistant storage bin _____	S	S	S
Cargo Net _____	—	—	S
Cargo Tie Down Loops (four), two D-rings at belt line on D-pillar and passenger side quarter trim panel cargo net and two utility hooks on driver's side _____	S	S	S
Cover—Cargo compartment _____	P	S	S
Climate Control			
Air conditioning, manual (includes provision for Mopar particulate or odor/particulate air filter) _____	S	—	—
Infrared dual-zone automatic (includes provision for Mopar particulate or odor/particulate air filter) _____	—	S	S
Colors			
Medium Slate Gray _____	O	O	O
Dark Khaki/Light Graystone _____		O	O
Khaki _____	O	O	—
Consoles			
Full-length floor with dual front cup holders, rear A/C outlets, non-locking storage, console lid includes storage net for CD wallet _____	S	S	S
Leather-like wrapped center console armrest _____	—	S	—
Unique leather-wrapped center console armrest _____	—	—	S
Overhead—Two map/reading lamps and sunglass storage bin _____	S	S	S
Defroster—Rear window, electric _____	S	S	S
Door Trim Panels			
Base—Front and rear map pockets and molded vinyl bolsters with aluminum Matrix Grid front door switch bezel inserts, molded-in color-keyed rear door switch bezels and black interior door release handles _____	S	—	—
Premium—Front and rear wrap pockets and molded vinyl bolsters with Sycamore Litho front door switch bezel inserts, molded-in color-keyed rear door switch bezels and memory button _____	—	S	—
Luxury—Front and rear wrap pockets and molded vinyl bolsters with genuine Vavona Burl wood inserts in the front door switch bezels, molded-in color-keyed rear door switch bezels and memory button _____	—	—	S
Front Floor Duct Grille _____	S	S	S
HomeLink—Universal home transceiver _____	P	S	S
Illuminated Entry System _____	S	S	S

Instrument Cluster			
Appearance: Gray-faced gauges with chrome trim _____	S	S	S
Gauges: Speedometer, tachometer, fuel level, oil pressure, temperature and coolant _____	S	S	S
Customer programmable features: language, display (English or metric), auto unlock on exit, remote unlock _____	S	S	S
Traveler/mini trip computer _____	S	S	S
Vehicle information center _____	S	S	S
Unique cluster graphics—Color only _____	—	—	S
Unique vinyl-wrapped I/P cluster hood _____	—	—	S
Jeep® Memory System (programmable settings for two drivers: driver's seat, outside mirrors, radio station settings, last radio station and adjustable pedals _____)	—	S	S
Lamps			
Glove box, front courtesy/map, rear courtesy/reading with manual switch (two), cargo area and dual function liftgate lamp _____	S	S	S
Map Pocket—vinyl, passenger side _____	S	S	S
Pedals			
Non-adjustable pedals _____	S	—	—
Power adjustable (standard in X package) _____	P	—	—
Power with memory _____	—	S	S
Power Accessory Delay (power sun roof and windows remain operable for 45 seconds after ignition off) _____	S	S	S
Power Outlet—Auxiliary 12-volt			
Instrument Panel, mounted power-point and cigar lighter base (lighter element and ash tray available from MOPAR) _____	S	S	S
Cargo Power-point, mounted left-side _____	P	S	S
Seat Trim			
Cloth—Telluride cloth in the insert areas and Albi cloth covers the bolster areas and outer surfaces _____	S	—	—
Royale leather; includes driver seatback map pocket and leather-wrapped steering wheel _____	P	—	—
Royale leather with Axis perforated leather inserts; includes driver seatback map pocket and leather-wrapped steering wheel _____	—	S	—
Unique hi-contrast two-tone with ultra suede, accent stitching _____	—	—	S
Overland logo embroidered on front seatbacks _____	—	—	S
Seats, Front			
Lumbar adjust _____	S	S	S
Eight-way power driver seat and manual passenger seat _____	S	—	—
Eight-way power driver seat and four-way power passenger seats _____	P	S	S
Heated _____	P	S	S
Seats, Rear			
Single-action folding 60/40 split seat with folding outboard head restraints and retractable cup holders in seat cushion _____	S	S	S
Rear seat armrest _____	—	S	S
Sound Insulation			
Hood _____	S	S	S
Dash liner _____	S	S	S
Deluxe Insulation Group (Premium Insulation Group on diesel) _____	S	S	S
Floor tunnel _____	S	S	S
Sound Systems and Entertainment			
Radios			
AM/FM stereo with CD and changer controls _____	S	—	—
AM/FM stereo with six-disc in-dash CD with MP3 capability _____	O/P	S	—
Color full-screen navigation system with GPS and DVD map and AM/FM stereo with six-disc in-dash CD with MP3 capability _____	O	O	S
SIRIUS Satellite Radio _____	O/P	O	S
Rear-seat video system—Screen in rear overhead console and DVD in center floor console (included in P1) _____	P	P	P

<b>Speakers</b>			
Six (two 6 x 9-inch full-range speakers mounted in front doors, two 2.5-inch high-frequency speakers mounted in the instrument panel and two 6.5-inch full-range speakers mounted in the rear doors) _____	S	—	—
Six Boston Acoustics (includes two 3.5-inch mid- to high-frequency instrument panel-mounted speakers, two 6 x 9-inch woofers mounted in the front doors and two 6.5-inch full-range speakers mounted in the rear doors; plus six channel, 276-watt amplifier with Digital Signal Processing, Boston Premium Audio Speaker badge) _____	P	S	S
Shifter Handle—Unique real wood insert _____	—	—	S
<b>Steering Wheel</b>			
Color-keyed vinyl with bright Jeep badge _____	S	—	—
Leather-wrapped with bright Jeep badge _____	P	S	—
Audio controls—Steering wheel-mounted _____	P	S	S
Unique, leather and real wood _____	—	—	S
<b>Sun Visors</b>			
With vanity mirrors _____	S	—	—
With illuminated vanity mirrors and lamps _____	P	S	S
<b>Trim Bezels—In addition to door switch bezels, I/P, door and console bezels are:</b>			
Matrix Grid Aluminum _____	S	—	—
Sycamore Litho _____	—	S	—
Genuine Vavona Burl wood _____	—	—	S
UConnect® Hands-free Communication System _____	—	O	S
Windows—Power, one-touch up/down _____	S	S	S

Laredo Limited Overland

## POWERTRAIN AND CHASSIS

<b>3.0-liter CRD engine</b>			
Quadra-Trac® II (4WD only) _____	O	O	O
Quadra-Drive® II (4WD only) _____	O	O	S
Diesel Particulate Filter _____	S	S	S
<b>3.7-liter SOHC V-6 engine with five-speed automatic transmission, Electronic Range Select (ERS), Electronic Throttle Control (ETC) and EGR _____</b>			
S	—	—	—
<b>4.7-liter SOHC V-8 engine and five-speed automatic transmission with Tow/Haul switch (includes 3.73 axle ratio), all-season performance black sidewall tires _____</b>			
O	S	—	—
Quadra-Trac II (4WD only) _____	S	S	—
Quadra-Drive II (4WD only) _____	P	P	—
<b>5.7-liter HEMI® V-8 engine with multi-displacement, and five-speed automatic transmission with Tow/Haul switch (includes 3.73 axle ratio); also includes engine cover, hydraulic engine cooling) _____</b>			
—	O	S	—
Quadra-Trac II (4WD only) _____	—	S	—
Quadra-Drive II (4WD only) _____	—	O/P	S
<b>Axle Ratio</b>			
3.07:1 _____	S	—	—
3.55:1 with Quadra-Trac II _____	O/P	S	—
3.73:1 (included with 3.0-liter diesel, 4.7-liter engine or 5.7-liter engine) _____	O/P	S	S
<b>Brakes—Anti-lock four-wheel disc _____</b>			
S	S	S	S
<b>Brush Guard—Fuel tank _____</b>			
S	S	S	S
<b>Differential Types</b>			
<b>Front</b>			
Open differential (4WD only) _____	S	S	—
Electronic slip differential (4WD only) _____	P	P	S
<b>Rear</b>			
Open differential _____	S	S	—
Electronic limited slip differential (4WD only) _____	P	P	S
<b>Engine Block Heater _____</b>			
O	O	O	O
<b>Four-wheel-drive Systems (4WD only)</b>			
Quadra-Trac I® full-time 4WD _____	S	—	—



Quadra-Trac II full-time active 4WD _____	O	S	—
Quadra-Drive II full-time active 4WD system (included with 5.7-liter engine) ____	P	P	S
Skid Plates—Fuel tank, front suspension and transfer case (P3, P4 and P5) _____	P	P	S
Steering—Power rack and pinion _____	S	S	S
Suspension			
Short- and long-arm (SLA), independent front _____	S	S	S
Five-link, solid-axle rear _____	S	S	S
Normal duty _____	S	S	S
Tire, Spare			
Full-size _____	S	S	S
Tires (a)			
P245/65R17 Goodyear Fortera black sidewall all-season _____	S	S	S
P245/65R17 Goodyear Fortera outline white letter all-terrain _____	O	O	O
Tow Hooks—Two, front; one, rear—(P3, P4 and P5) _____	O/P	O/P	—
Trailer Tow _____	O	O	S
Wheels			
Orbitek 17" x 7.5" wheel with Satin Silver finish _____	S	—	—
Ronin II 17" x 7.5" aluminum wheel machined face with painted pockets _____	—	S	—
Moduflex 17" x 7.5" aluminum wheels with chrome-clad _____	—	O	S

Laredo Limited Overland

## SAFETY AND SECURITY

Air Bags			
Advanced multi-stage driver and front-passenger air bags (b) _____	S	S	S
Supplemental side curtain air bags for front and outboard rear seat occupants_	S	S	S
Brake-shift and Park-ignition interlocks _____	S	S	S
Door Locks			
Child protection, rear _____	S	S	S
Power with programmable automatic locking keyless entry—Remote with two color-coded transmitters _____	S	S	S
ParkSense Rear Park Assist _____	O	O	S
ParkView Rear Back-up Camera _____	—	P	S
Electronic Stability Program (ESP) _____	S	S	S
Brake Assist _____	S	S	S
Enhanced Accident Response System _____	S	S	S
Restraint systems			
Seat belts			
Front: Three-point belts with shoulder belt height adjusters _____	S	S	S
Rear: Three-point belts for outboard and center _____	S	S	S
Lower Anchors and Tethers for CHildren (LATCH) child seat anchor system	S	S	S
Security alarm (included in Laredo X Package) _____	P	S	S
Sentry Key® Theft Engine Immobilizer _____	S	S	S
Brake Traction Control _____	S	S	S
Tire Pressure Monitoring System with warning lamp (auto relearn system) _____	S	—	—
Tire Pressure Monitoring System with message display for individual tires (auto relearn system) _____	—	S	S

(a) Another tire size or brand may also be used.

(b) Certified to federal regulations that allow less forceful air bags. Always use seat belts.

Remember, a back seat is the safest place for children.

Laredo Limited Overland

## PACKAGES

P1 – Electronic Infotainment System Group—Rear overhead console with overhead LCD monitor center console-mounted DVD player, battery-powered remote control, and two headsets (optional with Laredo X Package) _____	O	O	O
--	---	---	---

P2 – Luxury Group— Automatic headlamps (includes headlamps-on with wipers and parade mode instrument panel lighting); eight-way power driver seat and four-way passenger seat (included in Laredo X Package) _____	O	S	S
P3 – Off-Road Group I (4WD only)—Includes: 3.55 axle ratio, front suspension skid plate, fuel tank skid plate shield, Quadra-Trac II full-time active 4WD, P6 , tow hooks, “Trail Rated” badge and transfer case skid plate shield (available Laredo E with six cylinders) _____	O	—	—
P4 – Off-Road Group II (4WD only)—Includes front suspension skid plate, fuel tank skid plate shield, P6, tow hooks and transfer case skid plate shield (available Laredo E with V8) _____	O	O	O
P5 – Off-Road Group III (4WD only)—Includes electronic limited slip differential front and rear axles, front suspension skid plate, fuel tank skid plate shield, Quadra-Drive II 4WD system, “Quadra-Drive II” badge, P6, tow hooks and transfer case skid plate shield (available on Laredo X with V8, and Limited H _____	O	O	—
P6 – Skid Plate Group (4WD only)—Front suspension, transfer case and fuel tank skid plates; two front, one rear tow hooks (rear tow hook deleted with P7, P8) _____	O	O	O
P7 – Trailer Tow Group, Class II—Frame-mounted hitch receiver with cover, wiring connector with adapter (requires 3.7-liter engine) _____	O	—	—
P8 – Trailer Tow Group, Class IV—Frame-mounted hitch receiver with cover, wiring connector with adapter (requires 4.7-liter engine, 5.7-liter engine, or 3.0-liter diesel) _____	O	O	S
P9 – Power Convenience Group—Includes heated cloth seats and adjustable pedals (optional on E package Laredo, included on X package – must have P10) _____	O	—	—
P10 – Premium Sound Group—Includes: 276-watt amplifier and six Boston Acoustic speakers _____	O	—	—
P11 – Laredo Popular Equipment Group with heated seats, remote start and adjustable pedals optional on Laredo E CPOS Package _____	O	—	—
P12 – Sun and Sound Group with AM/FM/six-CD player and power sun roof _____	O	—	—
P13 – Premium Sound Group with Boston Acoustics and Sirius Satellite Radio _____	O	—	—

## SPECIFICATIONS

*All dimensions are in inches (millimeters) unless otherwise noted. All dimensions are measured at curb weight with standard tires and wheels.*

### GENERAL INFORMATION

Body Style \_\_\_\_\_ Four-door sport-utility vehicle  
 Construction \_\_\_\_\_ Steel uniframe  
 Assembly Plant \_\_\_\_\_ Jefferson Avenue North, Detroit, USA; and Magna Steyr, Graz, Austria  
 EPA Vehicle Class \_\_\_\_\_ Multi-purpose vehicle  
 2007 MY Introduction \_\_\_\_\_ Fall 2006

### ENGINE: 3.7-LITER SOHC V-6

Availability \_\_\_\_\_ Standard 2WD and 4WD Laredo  
 Type and Description \_\_\_\_\_ 90-degree V-type, liquid-cooled  
 Displacement \_\_\_\_\_ 226 cu. in. (3701 cu. cm)  
 Bore x Stroke \_\_\_\_\_ 3.66 x 3.57 (93.0 x 90.8)  
 Valve System \_\_\_\_\_ Chain-driven SOHC, 12 valves and hydraulic end-pivot roller rockers  
 Fuel Injection \_\_\_\_\_ Sequential, multi-port, electronic, returnless  
 Construction \_\_\_\_\_ Cast-iron block and bedplate, aluminum alloy heads  
 Compression Ratio \_\_\_\_\_ 9.6:1  
 Power (estimated SAE net) \_\_\_\_\_ 210 hp (157 kW) @ 5,200 rpm (56.7 hp/L)  
 Torque (estimated SAE net) \_\_\_\_\_ 235 lb.-ft. (319 N•m) @ 4,000 rpm  
 Max. Engine Speed \_\_\_\_\_ 6,000 rpm (electronically limited)  
 Fuel Requirement \_\_\_\_\_ Unleaded regular, 87 octane (R + M)/2  
 Oil Capacity \_\_\_\_\_ 5.0 qt. (4.7L)  
 Coolant Capacity \_\_\_\_\_ 14.0 qt. (13.25L)  
 Emission Controls \_\_\_\_\_ Dual three-way catalytic converters, heated oxygen sensors and internal engine features(a)

Estimated EPA Fuel Economy mpg (city/hwy) \_\_\_\_\_ 17/21—4WD

17/22—2WD

Assembly Plant \_\_\_\_\_ Mack Avenue Engine Complex, Detroit, MI

(a) Meets Calif. LEV II+ evaporative emission requirements in CA, NY, MA, ME and VT. Meets Tier 2, meets Federal Bin 5 emission requirements and Clean Fuel Fleet Certification (CCF-LEV) in all other 45 states.

**ENGINE: 4.7-LITER SOHC V-8**

Availability \_\_\_\_\_ Standard 2WD and 4WD Limited, optional

Type and Description \_\_\_\_\_ 90-degree V-type, liquid-cooled

Displacement \_\_\_\_\_ 287 cu. in. (4701 cu. cm)

Bore x Stroke \_\_\_\_\_ 3.66 x 3.41 (93.0 x 86.5)

Valve System \_\_\_\_\_ Chain-driven SOHC, 16 valves, and hydraulic end-pivot roller rockers

Fuel Injection \_\_\_\_\_ Sequential, multi-port, electronic, returnless

Construction \_\_\_\_\_ Cast-iron block and bedplate, aluminum alloy heads

Compression Ratio \_\_\_\_\_ 9.0:1

Power (estimated SAE net) \_\_\_\_\_ 235 hp (176 kW) @ 4,500 rpm

Torque (estimated SAE net) \_\_\_\_\_ 305 lb.-ft. (414 N•m) @ 3,600 rpm

Max. Engine Speed \_\_\_\_\_ 5,800 rpm (electronically limited)

Fuel Requirement \_\_\_\_\_ Unleaded regular, 87 octane (R+M)/2  
to E85 with FFV where equipped

Oil Capacity \_\_\_\_\_ 6 qt. (5.7L)

Coolant Capacity \_\_\_\_\_ 14.0 qt. (13.25L)

Emission Controls \_\_\_\_\_ Dual three-way catalytic converters, heated oxygen sensors,  
Internal engine features(a)

Estimated EPA Fuel Economy mpg (city/hwy) \_\_\_\_\_ 15/20—2WD and 4WD

Assembly Plant \_\_\_\_\_ Mack Avenue Engine Complex, Detroit, MI

(a) Meets Calif. LEV II+ evaporative emission requirements in CA, NY, MA, ME and VT. Meets Federal Tier 2 Bin 10A emissions requirements and Clean Fuel Fleet Certification (CCF-LEV) in all other 45 states.

**ENGINE: 5.7-LITER HEMI<sup>®</sup> V-8**

Availability \_\_\_\_\_ Optional—4x4 Limited

Standard—Overland

Type and Description \_\_\_\_\_ 90-degree V-type, liquid-cooled

Displacement \_\_\_\_\_ 345 cu. in. (5654 cu. cm)

Bore x Stroke \_\_\_\_\_ 3.92 x 3.58 (99.5 x 90.9)

Valve System \_\_\_\_\_ Pushrod-operated overhead valves, 16 valves, eight deactivating  
and eight conventional hydraulic lifters, all with roller followers

Fuel Injection \_\_\_\_\_ Sequential, multi-port, electronic, returnless

Construction \_\_\_\_\_ Deep-skirt cast-iron block with cross-bolted main bearing caps,  
aluminum alloy heads with hemispherical combustion chambers

Compression Ratio \_\_\_\_\_ 9.6:1

Power (estimated SAE net) \_\_\_\_\_ 330 hp (246 kW) @ 5,000 rpm

Torque (estimated SAE net) \_\_\_\_\_ 375 lb.-ft. (509 N•m) @ 4,000 rpm

Max. Engine Speed \_\_\_\_\_ 5,800 rpm (electronically limited)

Fuel Requirement \_\_\_\_\_ Unleaded mid-grade, 89 octane (R+M)/2—recommended,  
unleaded regular, 87 octane (R+M)/2—acceptable

Oil Capacity \_\_\_\_\_ 7 qt. (6.6L)

Coolant Capacity \_\_\_\_\_ 14.5 qt. (13.72L)

Emission Controls \_\_\_\_\_ Dual close-coupled three-way catalytic converters, Quad heated  
oxygen sensors and internal engine features(a)

Estimated EPA Fuel Economy, mpg (city/hwy) \_\_\_\_\_ 14/19—4x4

15/20—4x2

Assembly Plant \_\_\_\_\_ Mack Avenue Engine Complex, Detroit, MI

(a) Meets Calif. LEV II+ evaporative emission requirements in CA, NY, MA, ME and VT and Federal Bin 5 Tier I emissions and Clean Fuel Fleet Certification (CCF-LEV) in all other 45 states.

**ENGINE: 3.0-LITER Common Rail Turbo Diesel V-6**

Availability \_\_\_\_\_ Optional on Laredo, Limited and Overland  
Type and Description \_\_\_\_\_ 72 degree V-type, liquid cooled  
Displacement \_\_\_\_\_ 182 cu. in. (2987 cu. cm)  
Bore x Stroke \_\_\_\_\_ 3.27 x 3.62 (83.0 x 92.0)  
Valve System \_\_\_\_\_ Chain-driven DOHC, 24 valves, and hydraulic end-pivot roller rockers  
Fuel Injection \_\_\_\_\_ High-pressure DI (direct injection), sequential w/pilot, return type  
Construction \_\_\_\_\_ Aluminum alloy block and bedplate, aluminum alloy heads, balance shaft  
Compression Ratio \_\_\_\_\_ 18.0:1  
Power (estimated SAE net) \_\_\_\_\_ 215hp (160 kW) @ 3,800 rpm  
Torque (estimated SAE net) \_\_\_\_\_ 376 lb-ft (510 N•m) @ 1,600-2,800rpm  
Max. Engine Speed \_\_\_\_\_ 4,500 rpm (electronically limited)  
Fuel Requirement \_\_\_\_\_ ULSD (Ultra Low Sulfur Diesel)  
Oil Capacity \_\_\_\_\_ 10.0 qt (9.5L)  
Coolant Capacity \_\_\_\_\_ 14.0 qt (13.2 L)  
Emission Controls \_\_\_\_\_ Oxy-catalyst, diesel particulate filter, Lamba sensors, DPF temp sensor  
and differential pressure, cooled EGR and internal engine features<sup>a</sup>  
Estimated EPA Fuel Economy, mpg (city/hwy) \_\_\_\_\_ 19/23  
Assembly Plant \_\_\_\_\_ Mack Avenue Engine Complex, Detroit, MI

(a) Meets Federal BIN 10 emissions in the 45 states only

**TRANSMISSION: W5A580 AUTOMATIC, FIVE-SPEED OVERDRIVE**

Availability \_\_\_\_\_ Included with 3.7-liter V-6 gas engine  
Description \_\_\_\_\_ Adaptive electronic control or Electronic Range Select (ERS) driver-interactive  
manual control and electronically modulated torque converter clutch  
Gear Ratios  
1<sup>st</sup> \_\_\_\_\_ 3.59  
2<sup>n</sup> \_\_\_\_\_ d2.19  
3<sup>rd</sup> \_\_\_\_\_ 1.41  
4<sup>th</sup> \_\_\_\_\_ 1.00  
5<sup>th</sup> \_\_\_\_\_ 0.83  
Reverse \_\_\_\_\_ 3.16  
Final Drive Ratio \_\_\_\_\_ 3.07:1 with 3.7-liter engine  
3.55:1 with 3.7-liter engine and Quad-Trac II  
Overall Top Gear \_\_\_\_\_ 2.55 with 3.07 axle or 2.95 with 3.55 axle

**TRANSMISSION: W5J400 AUTOMATIC, FIVE-SPEED OVERDRIVE**

Availability \_\_\_\_\_ Included with 3.0-liter CRD diesel engine  
Description \_\_\_\_\_ Adaptive electronic control or Electronic Range Select (ERS) driver-interactive  
manual control and electronically modulated torque converter clutch  
Gear Ratios  
1<sup>st</sup> \_\_\_\_\_ 3.59  
2<sup>nd</sup> \_\_\_\_\_ 2.19  
3<sup>rd</sup> \_\_\_\_\_ 1.41  
4<sup>th</sup> \_\_\_\_\_ 1.00  
5<sup>th</sup> \_\_\_\_\_ 0.83  
Reverse \_\_\_\_\_ 3.16  
Final Drive Ratio \_\_\_\_\_ 3.73:1 with 3.0-liter diesel engine  
Overall Top Gear \_\_\_\_\_ 3.10 with 3.73 axle

**TRANSMISSION: 545RFE AUTOMATIC, MULTI-SPEED**

Availability \_\_\_\_\_ Included with 4.7-liter and 5.7-liter engines  
Description \_\_\_\_\_ Three planetary gear sets, one overrunning clutch, with Electronic Range  
Select (ERS) driver interactive control, electronically controlled  
torque converter clutch

Gear Ratios  
1<sup>st</sup> \_\_\_\_\_ 3.00  
2<sup>nd</sup> \_\_\_\_\_ 1.67—upshift; 1.50—kick-down

3<sup>rd</sup> \_\_\_\_\_ 1.00  
 4<sup>th</sup> \_\_\_\_\_ 0.75  
 5<sup>th</sup> \_\_\_\_\_ 0.67  
 Reverse \_\_\_\_\_ 3.00  
 Final Drive Ratio \_\_\_\_\_ 3.73 with 4.7-liter or 5.7-liter engine  
 Overall Top Gear \_\_\_\_\_ 2.50 with 3.73 axle

**TRANSFER CASE: NV140**

Availability \_\_\_\_\_ Included with 3.7-liter engine  
 Type \_\_\_\_\_ Single-speed  
 Operating Mode \_\_\_\_\_ Full-time AWD  
 Low Range Ratio \_\_\_\_\_ None  
 Center Differential Type \_\_\_\_\_ Open  
 Torque Split, Front/Rear \_\_\_\_\_ 48/52

**TRANSFER CASE: NV245**

Availability \_\_\_\_\_ Optional with 3.7-liter engine, included with 4.7-liter,  
 5.7-liter engines, and 3.0-liter diesel  
 Type \_\_\_\_\_ Two-speed, electronically shifted  
 Operating Modes \_\_\_\_\_ 4x4 Low (Lock), Neutral; Full-time Active 4x4  
 Low Range Ratio \_\_\_\_\_ 2.72  
 Center Differential Type \_\_\_\_\_ Open with Electronic Limited Slip Differential  
 Torque Split, Front/Rear \_\_\_\_\_ 48/52

**FRONT AXLES**

Differential Type \_\_\_\_\_ Conventional  
 Availability \_\_\_\_\_ Standard on 4x4 models with 3.7-liter, 4.7-liter, 5.7-liter  
 engines and 3.0-liter diesel  
 Ring Gear Diameter \_\_\_\_\_ 7.9 in. (200 mm)  
 Axle Ratios \_\_\_\_\_ 3.07:1 & 3.55:1—3.7-liter engine; 3.73:1—4.7-liter,  
 5.7-liter engines and 3.0-liter diesel  
 Differential Type \_\_\_\_\_ Electronic Limited Slip Differentials (ELSD)  
 Availability \_\_\_\_\_ Optional on 4x4 models with NV245  
 transfer case, except 3.7-liter engine  
 Ring Gear Diameter \_\_\_\_\_ Same as standard  
 Axle Ratios \_\_\_\_\_ 3.73:1—4.7-liter, 5.7-liter engines  
 and 3.0-liter diesel

**REAR AXLES**

Differential Type \_\_\_\_\_ Conventional  
 Availability \_\_\_\_\_ Standard on all engines  
 Ring Gear Diameter \_\_\_\_\_ 8.3 in. (213 mm)  
 Axle Ratios \_\_\_\_\_ 3.07:1 & 3:55—3.7-liter engine; 3.73:1—4.7-liter,  
 5.7-liter engines and 3.0-liter diesel  
 Differential Type \_\_\_\_\_ Electronic Limited Slip Differentials (ELSD)  
 Availability \_\_\_\_\_ Optional on 4x4 models with NV245  
 transfer case, except 3.7-liter engine  
 Ring Gear Diameter \_\_\_\_\_ Same as conventional  
 Axle Ratios \_\_\_\_\_ 3.73:1—4.7-liter, 5.7-liter engines and 3.0-liter diesel

**ELECTRICAL SYSTEM**

Alternator \_\_\_\_\_ 160-amp (all engines except diesel)  
 Battery \_\_\_\_\_ Group 65 maintenance-free 750CCA

**DIMENSIONS AND CAPACITIES**

Wheelbase \_\_\_\_\_ 109.5 (2781)  
 Track, Front \_\_\_\_\_ 62.0 (1575)  
 Track, Rear \_\_\_\_\_ 62.0 (1575)  
 Overall Length \_\_\_\_\_ 186.6 (4740.5)  
 Overall Width (width at mirrors) \_\_\_\_\_ 84.3 (2138.7)  
 Body Width \_\_\_\_\_ 73.3 (1861.8)  
 Overall Height \_\_\_\_\_ 67.7 (1719.6)  
 Load Floor Height \_\_\_\_\_ 32.1 (843.5)  
 Sill Step Height \_\_\_\_\_ 19.8 (502.7) 4x2, (512.5) 4x4

Ground Clearance \_\_\_\_\_  
 Chassis (fuel tank) \_\_\_\_\_ 9.5 (245.6)  
 Front Axle \_\_\_\_\_ 8.5 (209)  
 Rear Axle \_\_\_\_\_ 8.0 (203.6)  
 Approach Angle \_\_\_\_\_ 34.7°  
 Ramp Breakover Angle \_\_\_\_\_ 21.2°  
 Departure Angle \_\_\_\_\_ 27.0°  
 Frontal Area \_\_\_\_\_ 21.0 sq. ft. (1.95 sq. m)  
 Drag Coefficient \_\_\_\_\_ 0.41  
 Aero \_\_\_\_\_ 12.1 (cd x cross-sectional area)  
 Fuel Tank Capacity \_\_\_\_\_ 21.1 gal. (79.9L)

## WEIGHTS

	MODEL	ENGINE	GVWR(a) lbs. (kg)	CURB WEIGHT (b) lbs. (kg)	PAYLOAD(c) lbs. (kg)
<b>2WD</b>	Laredo	3.7-liter	5700 (2586)	4316 (1958)	1050 (476)
		4.7-liter	6010 (2727)	4425 (2008)	1050 (476)
		3.0-liter diesel	6010 (2727)	4448 (2018)	1050 (476)
	Limited	4.7-liter	6010 (2727)	4460 (2023)	1050 (476)
		5.7-liter	6010 (2727)	4528 (2054)	1050 (476)
		3.0-liter diesel	6010 (2727)	4520 (2051)	1050 (476)
	Overland	5.7-liter	6010 (2727)	4593 (2084)	1050 (476)
		3.0-liter diesel	6010 (2727)	4646 (2108)	1050 (476)
<b>4WD</b>	Laredo	3.7-liter	5900 (2677)	4488 (2036)	1050 (476)
		4.7-liter	6100 (2767)	4630 (2101)	1050 (476)
		3.0-liter diesel	6150 (2790)	4663 (2115)	1050 (476)
	Limited	4.7-liter	6100 (2767)	4691 (2128)	1050 (476)
		5.7-liter	6150 (2790)	4705 (2135)	1050 (476)
		3.0-liter diesel	6150 (2790)	4692 (2129)	1050 (476)
	Overland	5.7-liter	6150 (2790)	4730 (2146)	1050 (476)
		3.0-liter diesel	6150 (2790)	4804 (2179)	1050 (476)

(a) Gross Vehicle Weight Rating.

(b) Curb weight includes standard equipment and full quantities of fuel, lubricant and coolant.

(c) Payload is the maximum allowable weight of driver, passengers and cargo, rounded to the nearest 10 lbs. (5kg).

## WEIGHT DISTRIBUTION, F/R

	MODEL	ENGINE	DISTRIBUTION
<b>2WD</b>	Laredo	3.7-liter	52/48
		4.7-liter	53/47
		3.0-liter diesel	53/47
	Limited	4.7-liter	53/47
		5.7-liter	52/48
		3.0-liter diesel	54/46
	Overland	5.7-liter	52/48
		3.0-liter diesel	51/49
<b>4WD</b>	Laredo	3.7-liter	53/47
		4.7-liter	54/46
		3.0-liter diesel	54/46
	Limited	4.7-liter	54/46

		5.7-liter 3.0-liter diesel	54/46 54/46
	Overland	5.7-liter 3.0-liter diesel	52/48 53/47

## ACCOMMODATIONS

Seating Capacity, front/second \_\_\_\_\_ 2/3

### Front Seat

Head room \_\_\_\_\_ 39.7 (1008)  
 Leg room \_\_\_\_\_ 41.7 (1058)  
 Shoulder room \_\_\_\_\_ 59.1 (1502)  
 Hip room \_\_\_\_\_ 57.6 (1451)  
 Seat travel \_\_\_\_\_ 10.6 (270)  
 SAE volume \_\_\_\_\_ 58.02 cu. ft. (1.6 cu. m)

### Rear Seat

Head room \_\_\_\_\_ 39.3 (999)  
 Leg room \_\_\_\_\_ 35.5 (901)  
 Shoulder room \_\_\_\_\_ 58.5 (1584)  
 Hip room \_\_\_\_\_ 60.6 (1539)  
 Knee clearance \_\_\_\_\_ 1.44 (36.6)  
 Couple \_\_\_\_\_ 33.0 (838.2)  
 SAE volume \_\_\_\_\_ 50.84 cu. ft. (1.4 cu. m)

### Cargo Volume

Behind rear seat \_\_\_\_\_ 34.53 cu. ft. (1.14 cu. m)  
 Behind front-row seats with rear seats folded \_\_\_\_\_ 67.4 cu. ft. (2.00 cu. m)

## BODY

### 4x2

Layout \_\_\_\_\_ Longitudinal front engine, rear drive  
 Construction \_\_\_\_\_ Steel Uniframe

### 4x4

Layout \_\_\_\_\_ Longitudinal front engine, transfer case with full-time four-wheel drive  
 Construction \_\_\_\_\_ Steel Uniframe

## SUSPENSION

Front \_\_\_\_\_ Short/long independent (SLA), coil springs, gas-charged,  
 twin-tube coil over shock absorbers, upper- and lower-  
 control arms ("A" arms), stabilizer bar

Rear \_\_\_\_\_ Live axle, link coil with track bar, gas-charged twin tube shock  
 absorbers, stabilizer bar

## STEERING

Type \_\_\_\_\_ Power rack and pinion  
 Overall Ratio \_\_\_\_\_ 15.8:1—on center, 13.9:1—at full lock  
 Turning Diameter (curb-to-curb)(a) \_\_\_\_\_ 37.1 ft. (11.3 m)  
 Steering Turns (lock-to-lock) \_\_\_\_\_ 2.85

## BRAKES

### Front

Size and type \_\_\_\_\_ 12.9 x 1.2 (328 x 30) vented disc with 1.89 (48)  
 two-piston pin-slider caliper and ABS  
 Swept area \_\_\_\_\_ 282 sq. in. (1820 sq. cm)

### Rear

Size and type \_\_\_\_\_ 12.6 x 0.55 (320 x 14) disc with 1.89 (48) single-piston  
 pin-slider caliper and single-channel ABS(b)  
 Swept area \_\_\_\_\_ 257 sq. in. (1658 sq. cm)

Power Assist Type \_\_\_\_\_ Single-rate, tandem diaphragm vacuum

(a) Turning diameter is measured at the outside of the tires at curb height. Turning diameters and steering wheel turns, lock-to-lock may differ with optional tires and wheels.

(b) Three-channel ABS standard on 4x2. Four-channel ABS standard on 4x4.

**TIRES(a)**

Standard—Laredo, Limited and Overland

Size and type \_\_\_\_\_ P245/65R17

Mfr. and model \_\_\_\_\_ Goodyear Fortera black sidewall all-season

Revs per mile \_\_\_\_\_ 707

Optional—Laredo, Limited and Overland

Size and type \_\_\_\_\_ P245/65R17

Mfr. and model \_\_\_\_\_ Goodyear Fortera outline white letter all-terrain

Revs per mile \_\_\_\_\_ 707

**WHEELS**

Type and Material \_\_\_\_\_ Cast-aluminum, chrome-clad aluminum

Size \_\_\_\_\_ 17" x 7.5"

(a) Turning diameter is measured at the outside of the tires at curb height. Turning diameters and steering wheel turns, lock-to-lock may differ with optional tires and wheels.

**TRAILER TOWING<sup>(a)</sup>**

	<b>Engine</b>	<b>Axle Ratio</b>	<b>Maximum Trailer Weight <sup>(b)</sup> lbs. (kg)</b>
<b>2WD</b>	3.0-liter V-6	3.73	7400 (3400)
	3.7-liter V-6	3.07	3500 (1600)
	4.7-liter V-8	3.73	6500 (3000)
	5.7-liter V-8	3.73	7400 (3400)
<b>4WD</b>	3.0-liter V-6	3.73	7200 (3500)
	3.7-liter V-6	3.07 or 3.55	3500 (1600)
	4.7-liter V-8	3.73	6500 (3000)
	5.7-liter V-8	3.73	7200 (3300)

(a) All models can tow trailers up to 2,000 pounds with the addition of a trailer hitch. For towing heavier trailers up to the Maximum Trailer Weight Ratings shown in the Trailer Towing chart, the vehicle must be equipped with the P4 for the 3.7-liter engine or P5 for the 4.7-liter and 5.7-liter engines for North America.

(b) Maximum Trailer Weight = GCWR - Curb Wt. - 150 lbs. (allowance for driver) and must be decreased by the weight of optional equipment, trailer hitch, cargo and passengers. Maximum trailer weights shown are rounded to the nearest 50 lbs. Tongue weight should be 10-15% of loaded trailer weight but may not cause vehicle to exceed GVWR or GAWR. Load equalizing hitch recommended for trailers over 2,000 pounds.