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Safety and Security Are Paramount on the 2006 Jeep® Commander

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The new 2006 Jeep® Commander includes the highest level of safety and security technology and features ever offered on a Chrysler Group vehicle. Introduced for the first time on the Jeep Commander, standard side-curtain air bags with a roll detection system deploys airbags in certain rollover and side-impact situations. In addition, Electronic Stability Program (ESP) and Electronic Roll Mitigation (ERM) are standard on Jeep Commander. These are only some of the many safety and security features – designed in from the beginning – that provide the Jeep Commander with the ability to “go anywhere, do anything” safely and securely.

“Chrysler Group is offering Jeep Commander customers peace of mind through more standard safety equipment and the application of a broad range of engineering technologies,” said Eric Ridenour, Executive Vice President – Product Development, Chrysler Group. “The inherent stability and safety we design in to all Chrysler Group vehicles is enhanced by both passive and active safety systems, whether driving on- or off-road.”

Jeep® Commander Standard Safety and Security Equipment:

- 4-Wheel Brake Traction Control System (BTCS)
- Advanced Anti-lock Brake System (ABS)
- Advanced Multi-stage Air Bags with Occupant Classification System (OCS)
- All-speed Traction Control System (TCS)
- BeltAlert
- Brake Assist
- Child Seat Anchor System – LATCH (Lower Anchor and Tethers for Children)
- Digressive Load-limiting Seat Belt Retractors
- Electronic Roll Mitigation (ERM)
- Electronic Stability Program (ESP)
- Energy-absorbing Steering Wheel and Column
- Enhanced Accident Response System
- Express Up/Down Front Door Windows
- Headrests in All Outboard Seating Positions
- Knee Bolsters
- ParkSense™ Rear Park Assist System
- Remote Keyless Entry
- Seat Belt Pretensioners
- Sentry Key Theft Deterrent System
- Side-curtain Air Bags with Roll Detection System
- Three-point Belts in All Seating Positions
- Tire Pressure Warning System with Warning Indicator

Optional Safety and Security Equipment:

- Adjustable Pedals
- Navigation System
- Rain-sensitive Wipers
- Tire Pressure Monitor System with Individual Tire Display
- Security Alarm
- SmartBeam® Headlamps
- UConnect™ Hands-Free Communication

Crash Protection Features

Standard side-curtain air bags with a roll detection system that utilizes sensors to determine the event severity and deploys the side-curtain air bags in certain rollover and side-impact events. These side-curtain air bags extend additional protection to outboard passengers in all three rows of seats.

Advanced multi-stage frontal air bags with an Occupant Classification System (OCS) for the front passenger are standard on the Jeep Commander. This system classifies the severity of an impact event and uses additional sensor information to further modify front-passenger air bag output based on occupant size and weight. The resulting deployment could be low, medium or high output, or – in certain instances – none at all. However, even with this advanced system designed to meet government requirements, all occupants are advised to always sit properly in their seat with the seat belt fastened.

Children 12 years old and younger should always be seated in a back seat, correctly using an infant or child restraint system or having the seat belt positioned correctly for the child's age and weight.

State-of-the-art energy-management features in the body structure and chassis work in conjunction with air bag and seat belt systems. Front seat belts are equipped with belt pretensioners and digressive load-limiting retractors. Pretensioners tighten the seat belt to help keep the occupant in place while digressive load-limiting retractors balance the load on the upper body, reducing injuries from seat belt forces. Head restraints are standard in all outboard seating positions. The driver and front passenger's seat belts are also equipped with BeltAlert, an enhanced seat belt reminder system that periodically activates a chime and illuminates a light in the instrument cluster to remind the driver and all passengers to buckle up.

Also, standard Brake Assist uses an active brake booster to increase brake output when the vehicle senses a panic braking condition. This allows for maximum braking power, providing the shortest possible stopping distance.

Crash Avoidance Features

To optimize overall driving performance, the Jeep Commander comes standard with ESP. This system enhances driver control and helps maintain directional stability under all conditions. It provides the greatest benefit in accident-avoidance driving situations and is especially valuable when driving on mixed surface conditions, such as patchy snow, ice or gravel. If there is a discernible difference between what the driver "asks" through the steering and the vehicle's path, ESP applies selective braking and throttle input to put the vehicle back onto the driver's intended path. The system is calibrated to offer safe control of the Commander under a variety of driving conditions while still operating in a manner that is not intrusive in normal or spirited driving. Electronic Stability Program will be standard on all Chrysler Group SUVs in 2006 in the United States.

Complementing ESP is Electronic Roll Mitigation (ERM) which observes and monitors the vehicle roll attitude and lateral force to estimate the potential for a rollover situation. If necessary, the engine torque is reduced and a short burst of full braking is applied to the appropriate wheel to help stabilize the vehicle attitude and reduce the vehicle's lateral force. This system anticipates and takes steps to avoid a potential rollover situation.

These systems build on the Chrysler Group's electronic chassis controls which include advanced Anti-lock Brake System (ABS) and an All-speed Traction Control System (TCS). Advanced ABS helps retain steering capability when braking on slippery surfaces by preventing wheel lockup. It benefits from state-of-the-art electronics that provide a more refined system response than in the past.

All-speed TCS enhances mobility and prevents wheel slip when accelerating on slippery surfaces. It also provides a measure of directional stability control, a clear advancement beyond prior traction control systems. In addition to the brake engagement at low speeds used by conventional traction control systems, All-speed TCS can use throttle control as well. This makes the vehicle less reliant on brake application alone to maintain traction, increases the operating speed range, and more closely modulates speed and acceleration to provide smoother operation. With All-speed TCS reducing engine torque when accelerating, it is possible to achieve almost seamless torque application at the wheels for the best acceleration given the surface. All-speed TCS also benefits from state-of-the-art electronics that provide a much more refined system response than in the past.

In addition to the long list of standard safety and security features for Jeep Commander, UConnect hands-free communications, DVD-based navigation system and SmartBeam headlamps are available to offer the latest innovations on the road.

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