Contact: Nick Cappa

David Elshoff

2014 Ram Truck Safety and Security

September 7, 2013, Auburn Hills, Mich. - When it comes to safety and security, Ram Truck employs a two-fold approach. The first includes passive features such as pretensioning seat-belt retractors and air bags. The second is comprised of accident-avoidance features, including responsive steering, braking and handling. Other systems include Enhanced Accident Response System, knee bolsters, BeltAlert, ParkSense rear park assist and ParkView rear backup camera. All Ram trucks include standard electronic stability control, hosting a number of technologies depending on the model, including all-speed traction control, trailer-sway control, Hill-start Assist and anti-lock brake system (ABS).

RAM 1500

- Advanced multistage air bags: Inflates with a force appropriate to the severity of a frontal or near-frontal impact
- Anti-lock brake system (ABS): Senses and prevents wheel lockup, delivering improved handling under extreme braking and /or slippery conditions – advanced ABS modulates each of the four brakes individually for optimum control and stopping performance
- All-speed traction control: Senses drive-wheel slip and applies individual brakes to slipping wheel(s) and reduces excess engine power until traction is regained
- Auto-reverse sunroof: Advanced sensing system that automatically engages and reverses the sunroof to the open position when an object that restricts glass movement is detected
- Auto-reverse window: Automatically engages and reverses the window to the down position when an obstacle that restricts glass movement is detected
- BeltAlert: Periodically activates a chime and illuminates an icon in the instrument cluster to remind the driver and passenger to buckle up if a vehicle is driven without the driver being properly belted
- Brake Assist: In a panic brake condition, the system applies maximum braking power, providing the shortest possible stopping distance
- Brake-lock differential system (BLDS): Allows the vehicle to maintain forward motion if one or two wheels lose traction by selectively and aggressively applying brakes to the spinning wheels
- Brake Override: When a disagreement exists between the throttle and the brake, the brake signal causes the engine controller to reduce engine power, allowing the operator to stop
- Brake/Park interlock: Prevents the automatic transmission from being shifted out of Park unless the brake pedal is applied
- Child seat anchor system: Lower Anchors and Tethers for CHildren (LATCH) is designed to ease installation of compatible aftermarket child seats
- Child-protection rear door locks: Disables the rear doors' inside-release handles via a small lever on the door-shut face
- Crumple zones: Designed to compress during an accident to absorb energy from an impact, decreasing transfer of that energy to occupants
- Digressive load-limiting retractors: A two-stage load-limiting feature that limits the maximum force on the belt webbing to help absorb the energy of the occupant's upper torso during an impact
- Electronic stability control (ESC): Enhances driver control and helps maintain directional stability under all conditions. Provides the greatest benefit in critical driving situations, such as turns, and is especially valuable when driving on mixed surface conditions including snow, ice or gravel. If there's a discernible difference between what the driver asks through the steering wheel and the vehicle's path, ESC applies selective braking and throttle input to put the vehicle back onto the driver's intended path
- Energy-absorbing steering column: The manual-adjust steering column utilizes two hydroformed coaxial tubes that move relative to each other to allow the column to move forward for enhanced energy-

absorption during an impact

- Enhanced Accident Response System (EARS): Makes it easier for emergency personnel to see and reach occupants in the event of an accident by turning on interior lights and hazard flashers, and unlocking doors after air-bag deployment. Also shuts off the flow of fuel to the engine
- Front Park Assist: Assists at low forward speeds to detect stationary objects with audible warnings for the driver
- Height-adjustable front seat belts: Allows the driver and front passenger to raise and lower the shoulder belt. Encourages seat belt usage by offering a comfortable fit
- Bi-halogen projector headlamps: A high-output halogen projection main beam is assisted by LEDs for improved light spread, pattern consistency, distance and more lumens
- HomeLink universal home security system transceiver: Stores three separate transmitter radio-frequency codes to operate garage-door openers, security gates, security lighting or other radio-controlled devices
- Hill-start Assist (HSA): Assists drivers when starting a vehicle from a stop on a hill by maintaining the level of brake pressure applied for a short period of time after a driver's foot is removed from the brake pedal. If throttle is not applied within a short period of time after the driver's foot is removed from the brake pedal, brake pressure will be released
- Inside emergency release: A glow-in-the-dark release handle, which may be activated in the event of an adult or child being inadvertently trapped inside of the RamBox
- Integrated trailer brake control: Allows you to automatically or manually activate the electronic brakes on properly equipped trailers for greater stopping power on downhill grades
- Interior head-impact protection: Interior pillars above the belt line and instrument panel, including areas around windshield and rear window headers, roof and side-rail structures and shoulder-belt turning loops are specifically designed to limit head-impact force
- Keyless Enter 'n Go with passive entry: When an individual enters, electronic sensors detect if the vehicle key fob is present. This will then allow the individual to push a button to start without having to insert the key into the ignition (The driver must apply the brake pedal when starting)
- Knee bolsters: The lower instrument panel and the glove-box door are designed to properly position the occupant, enabling air bags to work effectively
- LED exterior lighting: Exclusive LED lighting for markers, turn signals and tail lamps provides improved visibility
- Lock on Sync tire-pressure monitors: Tire-pressure monitoring system self-learns tire position after rotation or tire is moved to a new location
- Navigation system: Easy-to-use maps with audible turn-by-turn directions, more than 6 million points of interest and lane guidance
- Occupant restraint controller: Detects an impact and determines whether a crash is severe enough to trigger air bag deployment and whether the primary or secondary stage inflation is sufficient. In addition, the controller detects side impacts and determines whether the rail-curtain and side seat-mounted (thorax protection) air bags should deploy. Engagement of front seat-belt pretensioners are also managed through the controller
- ParkSense rear park assist: Assists at low speeds in reverse to detect stationary objects. Consists of audible warnings for the driver and has a display in the multiview screen
- ParkView rear backup camera: Provides a wide-angle view of the area immediately behind the vehicle and guidelines, which take steering input into consideration. Also aids in lining up a trailer to the vehicle's trailer hitch. Depending on features, the image displays on the navigation screen or rear view mirror when the transmission is shifted into Reverse
- Power-adjustable pedals: Allows brake and accelerator pedals to move toward or away from the driver to achieve a comfortable seating position for improved vehicle control
- Remote Keyless Entry: Locks and unlocks doors, RamBox and tailgate, and turns on interior lamps. If the vehicle is equipped with a vehicle-theft security alarm, the remote also arms and disarms that system
- Rain-sensing wipers: Automatically sense precipitation on the windshield, activating the windshield wiper system
- Rain brake support: The system uses the ESC pump to occasionally push brake pads lightly against brake rotors in rainy conditions in order to keep rotors dry and assure maximum braking performance under wet conditions
- Remote start: Conveniently starts the engine from outside the vehicle by using the Remote Keyless Entry

fob while maintaining vehicle security

- Safety cage body structure: Protects occupants by managing and controlling energy in the event of an impact
- Seat-belt pretensioners (both front seat belts): During a collision, impact sensors initiate front seat-belt pretensioners to immediately remove slack from seat belts, thereby reducing the forward movement of occupants' heads and torsos
- Sentry Key engine immobilizer: Utilizes an engine key that has an embedded transponder with a pre-programmed security code to discourage vehicle theft. When the key is inserted into the ignition, the controller sends a random number to the transponder and the engine is allowed to start. If an incorrect key is used, the engine will shut off after a few seconds
- Side-guard door beams: In front and rear doors, provides occupant protection during a side impact
- SmartBeam headlamps (auto-high beams): During night driving, the system senses oncoming traffic headlights and automatically switches from high- to low-beam and back again when the traffic has passed
- Standard side-curtain air bags: Extends protection to all outboard front- and rear-seat passengers. Each side air bag has its own impact sensor which autonomously triggers the air bag on the side where an impact occurs
- Tire-pressure monitoring (TPM): Pressure-sensor modules within the valve stems of all four road wheels send continuous radio-frequency signals to a receiver and the system informs occupants when tire pressure is too low
- Trailer-sway control: Reduces trailer sway and improves handling in adverse towing conditions caused by crosswinds and traffic. The system monitors the vehicle's movement relative to the driver's intended path, then applies alternating brake pressure to slow the vehicle and then increases the pressure on one front wheel in order to counteract the sway induced by the trailer
- Uconnect system: Integrates world-class infotainment and convenience technologies to keep passengers connected
- Uconnect Voice Command: An in-vehicle, voice-activated communication system that allows drivers to operate a Bluetooth compatible phone with their hands on the wheel and eyes on the road. When the Bluetooth phone is initially connected, the contact list is automatically downloaded, synchronizing as many as 1,000 phone book entries, which can then be selected by simply saying a contact name. It also allows drivers to switch radio modes, tune to AM/FM and SiriusXM Radio stations and request real-time information (such as fuel prices) from SiriusXM Travel Link using natural voice commands. The handsfree option promotes safety, freedom, value and flexibility
- Vehicle theft security alarm: Deters vandalism and theft, frequently lowering insurance premiums. System protects the vehicle from theft by monitoring door-ajar switches and the ignition circuit for unauthorized entry

RAM 2500 and 3500 Heavy Duty

- Advanced multistage air bags: Inflates with a force appropriate to the severity of an impact
- Anti-lock brake system (ABS): Senses and prevents wheel lockup, offering improved steering control under extreme braking and/or slippery conditions – advanced ABS modulates each of the four brakes individually for optimum control and stopping performance
- All-speed traction control: Senses drive-wheel slip and applies individual brakes to slipping wheel(s) and reduces excess engine power until traction is regained
- Auto-reverse sunroof: Advanced sensing system that automatically engages and reverses the sunroof to the open position when an object that restricts glass movement is detected
- Auto-reverse window: Automatically engages and reverses the window to the down position when an obstacle that restricts glass movement is detected
- BeltAlert: Periodically activates a chime and illuminates an icon in the instrument cluster to remind the driver to buckle up if a vehicle is driven without the driver being properly belted
- Brake Assist: In a panic brake condition, the system applies maximum braking power, providing the shortest possible stopping distance
- Brake-lock differential system (BLDS): Allows the vehicle to maintain forward motion if one or two wheels lose traction by selectively and aggressively applying brakes to the spinning wheels
- Brake Override: When a disagreement exists between the throttle and the brake, the brake signal causes the engine controller to reduce engine power, allowing the operator to stop

- Brake/Park interlock: Prevents the automatic transmission from being shifted out of Park unless the brake pedal is applied
- Child seat anchor system: Lower Anchors and Tethers for CHildren (LATCH) is designed to ease installation of compatible aftermarket child seats
- Child-protection rear door locks: Disables the rear doors' inside-release handles via a small lever on the door-shut face
- Crumple zones: Designed to compress during an accident to absorb energy from an impact, decreasing transfer of that energy to occupants
- Digressive load-limiting retractors: A two-stage load-limiting feature that limits the maximum force on the belt webbing to help absorb the energy of the occupant's upper torso during an impact
- Electronic stability control (ESC): Enhances driver control and helps maintain directional stability under all conditions. Provides the greatest benefit in critical driving situations, such as turns, and is especially valuable when driving on mixed surface conditions including snow, ice or gravel. If there's a discernible difference between what the driver asks through the steering wheel and the vehicle's path, ESC applies selective braking and throttle input to put the vehicle back onto the driver's intended path
- Energy-absorbing steering column: The manual-adjust steering column utilizes two hydroformed coaxial tubes that move relative to each other to allow the column to move forward for enhanced energy-absorption during an impact
- Enhanced Accident Response System (EARS): Makes it easier for emergency personnel to see and reach occupants in the event of an accident by turning on interior lights and hazard flashers, and unlocking doors after air-bag deployment. Also shuts off the flow of fuel to the engine
- Height-adjustable front seat belts: Allows the driver and front passenger to raise and lower the shoulder belt. Encourages seat belt usage by offering a comfortable fit
- Bi-halogen projector headlamps: A high-output halogen projection main beam is assisted by LEDs for improved light spread, pattern consistency, distance and more lumens
- HomeLink universal home security system transceiver: Stores three separate transmitter radio-frequency codes to operate garage-door openers, security gates, security lighting or other radio-controlled devices
- Hill-start Assist (HSA): Assists drivers when starting a vehicle from a stop on a hill by maintaining the level of brake pressure applied for a short period of time after a driver's foot is removed from the brake pedal. If throttle is not applied within a short period of time after the driver's foot is removed from the brake pedal, brake pressure will be released
- Inside emergency release: A glow-in-the-dark release handle, which may be activated in the event of an adult or child being inadvertently trapped inside of the RamBox (Heavy Duty models)
- Integrated trailer brake control: Allows you to automatically or manually activate the electronic brakes on properly equipped trailers for greater stopping power on downhill grades
- Interior head-impact protection: Interior pillars above the belt line and instrument panel, including areas around windshield and rear window headers, roof and side-rail structures and shoulder-belt turning loops are specifically designed to limit head-impact force
- Keyless Enter 'n Go: When an individual enters, electronic sensors detect if the vehicle key fob is present. This will then allow the individual to push a button to start without having to insert the key into the ignition (The driver must apply the brake pedal when starting)
- Knee bolsters: The lower instrument panel and the glove-box door are designed to properly position the occupant, enabling air bags to work effectively
- Lock on Sync tire pressure monitors: Tire pressure monitoring system self-learns tire position after rotation or tire is moved to a new location (Heavy Duty)
- Navigation system: Easy-to-use maps with audible turn-by-turn directions, more than 6 million points of interest and lane guidance
- Occupant restraint controller: Detects an impact and determines whether a crash is severe enough to trigger air bag deployment and whether the primary or secondary stage inflation is sufficient. In addition, the controller detects side impacts and determines whether the rail-curtain and side seat-mounted (thorax protection) air bags should deploy. Engagement of front seat-belt pretensioners are also managed through the controller
- ParkSense rear park assist: Assists at low speeds in reverse to detect stationary objects. Consists of audible warnings for the driver and has a display in the customer information center or in the rear-view mirror, depending on truck options

- ParkView rear backup camera: Provides a wide-angle view of the area immediately behind the vehicle and guidelines, which take steering input into consideration. Also aids in lining up a trailer to the vehicle's trailer hitch. Depending on features, the image displays on the navigation screen or rear view mirror when the transmission is shifted into Reverse
- Payload Camera: Mounted in the high-mounted third brake light lens, allows owners to monitor the payload in the bed and align 5th wheel and gooseneck hitches. An LCD screen integrated with the rear-view mirror provides full color viewing
- Power-adjustable pedals: Allows brake and accelerator pedals to move toward or away from the driver to achieve a comfortable seating position for improved vehicle control
- Remote Keyless Entry: Locks and unlocks doors, RamBox and tailgate (Heavy Duty models), and turns on interior lamps. If the vehicle is equipped with a vehicle-theft security alarm, the remote also arms and disarms that system
- Rain-sensitive wipers: A driver convenience feature that automatically senses moisture on the windshield and activates wipers
- Rain Brake Support: The system uses the ESC pump to occasionally push brake pads lightly against brake rotors in rainy conditions in order to keep rotors dry and assure maximum braking performance under wet conditions
- Remote start: Conveniently starts the engine from outside the vehicle by using the Remote Keyless Entry fob while maintaining vehicle security
- Safety cage body structure: Protects occupants by managing and controlling energy in the event of an impact
- Seat-belt pretensioners (both front seat belts): During a collision, impact sensors initiate front seat-belt pretensioners to immediately remove slack from seat belts, thereby reducing the forward movement of occupants' heads and torsos
- Sentry Key engine immobilizer: Utilizes an engine key that has an embedded transponder with a pre-programmed security code to discourage vehicle theft. When the key is inserted into the ignition, the controller sends a random number to the transponder and the engine is allowed to start. If an incorrect key is used, the engine will shut off after only a few seconds
- Side-guard door beams: In front and rear doors, provides occupant protection during a side impact
- SmartBeam headlamps (automatic high beams): During night driving, the system senses oncoming traffic headlights and automatically switches from high- to low-beam and back again when the traffic has passed
- Standard side-curtain air bags: Extends protection to all outboard front- and rear-seat passengers. Each side air bag has its own impact sensor which autonomously triggers the air bag on the side where an impact occurs
- Selective tire pressure display: Allows owner to check tire pressures on all six tires
- Tire-pressure monitoring (TPM): Pressure-sensor modules within the valve stems of all four road wheels send continuous radio-frequency signals to a receiver and the system informs occupants when tire pressure is too low (2500)
- Trailer-sway control: Reduces trailer sway and improves handling in adverse towing conditions caused by crosswinds and traffic. The system monitors the vehicle's movement relative to the driver's intended path, then applies alternating brake pressure to slow the vehicle and then increases the pressure on one front wheel in order to counteract the sway induced by the trailer
- Uconnect system: Integrates world-class infotainment and convenience technologies to keep passengers connected
- Uconnect Voice Command: An in-vehicle, voice-activated communication system that allows drivers to operate a Bluetooth compatible phone with their hands on the wheel and eyes on the road. When the Bluetooth phone is initially connected, the contact list is automatically downloaded, synchronizing as many as 1,000 phone book entries, which can then be selected by simply saying a contact name. It also allows drivers to switch radio modes, tune to AM/FM and SiriusXM Radio stations and request real-time information (such as fuel prices) from SiriusXM Travel Link using natural voice commands. The handsfree option promotes safety, freedom, value and flexibility
- Vehicle theft security alarm: Deters vandalism and theft, frequently lowering insurance premiums. System protects the vehicle from theft by monitoring door-ajar switches and the ignition circuit for unauthorized entry

RAM Chassis Cab 3500, 4500 and 5500

- Advanced multistage air bags: Inflates with a force appropriate to the severity of an impact
- Anti-lock brake system (ABS): Senses and prevents wheel lockup, offering improved steering control under extreme braking and/or slippery conditions – advanced ABS modulates each of the four brakes individually for optimum control and stopping performance
- All-speed traction control: Senses drive-wheel slip and applies individual brakes to slipping wheel(s) and reduces excess engine power until traction is regained
- Auto-reverse sunroof: Advanced sensing system that automatically engages and reverses the sunroof to the open position when an object that restricts glass movement is detected
- Auto-reverse window: Automatically engages and reverses the window to the down position when an obstacle that restricts glass movement is detected
- BeltAlert: Periodically activates a chime and illuminates an icon in the instrument cluster to remind the driver to buckle up if a vehicle is driven without the driver being properly belted
- Brake Assist: In a panic brake condition, the system applies maximum braking power, providing the shortest possible stopping distance
- Brake-lock differential system (BLDS): Allows the vehicle to maintain forward motion if one or two wheels lose traction by selectively and aggressively applying brakes to the spinning wheels
- Brake Override: When a disagreement exists between the throttle and the brake, the brake signal causes the engine controller to reduce engine power, allowing the operator to stop
- Brake/Park interlock: Prevents the automatic transmission from being shifted out of Park unless the brake pedal is applied
- Child seat anchor system: Lower Anchors and Tethers for CHildren (LATCH) is designed to ease installation of compatible aftermarket child seats
- Child-protection rear door locks: Disables the rear doors' inside-release handles via a small lever on the door-shut face
- Crumple zones: Designed to compress during an accident to absorb energy from an impact, decreasing transfer of that energy to occupants
- Digressive load-limiting retractors: A two-stage load-limiting feature that limits the maximum force on the belt webbing to help absorb the energy of the occupant's upper torso during an impact
- Electronic stability control (ESC): Enhances driver control and helps maintain directional stability under all conditions. Provides the greatest benefit in critical driving situations, such as turns, and is especially valuable when driving on mixed surface conditions including snow, ice or gravel. If there's a discernible difference between what the driver asks through the steering wheel and the vehicle's path, ESC applies selective braking and throttle input to put the vehicle back onto the driver's intended path
- Energy-absorbing steering column: The manual-adjust steering column utilizes two hydroformed coaxial tubes that move relative to each other to allow the column to move forward for enhanced energy-absorption during an impact
- Enhanced Accident Response System (EARS): Makes it easier for emergency personnel to see and reach occupants in the event of an accident by turning on interior lights and hazard flashers, and unlocking doors after air-bag deployment. Also shuts off the flow of fuel to the engine
- Height-adjustable front seat belts: Allows the driver and front passenger to raise and lower the shoulder belt. Encourages seat belt usage by offering a comfortable fit
- Bi-halogen projector headlamps: A high-output halogen projection main beam is assisted by LEDs for improved light spread, pattern consistency, distance and more lumens
- HomeLink universal home security system transceiver: Stores three separate transmitter radio-frequency codes to operate garage-door openers, security gates, security lighting or other radio-controlled devices
- Hill-start Assist (HSA): Assists drivers when starting a vehicle from a stop on a hill by maintaining the level of brake pressure applied for a short period of time after a driver's foot is removed from the brake pedal. If throttle is not applied within a short period of time after the driver's foot is removed from the brake pedal, brake pressure will be released
- Integrated trailer brake control: Allows you to automatically or manually activate the electronic brakes on properly equipped trailers for greater stopping power on downhill grades
- Interior head-impact protection: Interior pillars above the belt line and instrument panel, including areas around windshield and rear window headers, roof and side-rail structures and shoulder-belt turning loops are specifically designed to limit head-impact force

- Keyless Enter ’n Go: When an individual enters, electronic sensors detect if the vehicle key fob is present. This will then allow the individual to push a button to start without having to insert the key into the ignition (The driver must apply the brake pedal when starting)
- Knee bolsters: The lower instrument panel and the glove-box door are designed to properly position the occupant, enabling air bags to work effectively
- Lock on Sync tire pressure monitors: Tire pressure monitoring system self-learns tire position after rotation or tire is moved to a new location
- Navigation system: Easy-to-use maps with audible turn-by-turn directions, more than 6 million points of interest and lane guidance
- Occupant restraint controller: Detects an impact and determines whether a crash is severe enough to trigger air bag deployment and whether the primary or secondary stage inflation is sufficient. In addition, the controller detects side impacts and determines whether the rail-curtain and side seat-mounted (thorax protection) air bags should deploy. Engagement of front seat-belt pretensioners are also managed through the controller
- ParkView rear backup camera: Back up camera, which is upfitter installed, provides a wide-angle view of the area immediately behind the truck. Also aids in lining up a trailer to the vehicle’s trailer hitch. Depending on features, the image displays on the navigation screen or rear view mirror when the transmission is shifted into Reverse
- Power-adjustable pedals: Allows brake and accelerator pedals to move toward or away from the driver to achieve a comfortable seating position for improved vehicle control
- Remote Keyless Entry: Locks and unlocks doors and turns on interior lamps. If the vehicle is equipped with a vehicle-theft security alarm, the remote also arms and disarms that system
- Rain-sensitive wipers: A driver convenience feature that automatically senses moisture on the windshield and activates wipers
- Rain Brake Support: The system uses the ESC pump to occasionally push brake pads lightly against brake rotors in rainy conditions in order to keep rotors dry and assure maximum braking performance under wet conditions
- Remote start: Conveniently starts the engine from outside the vehicle by using the Remote Keyless Entry fob while maintaining vehicle security
- Safety cage body structure: Protects occupants by managing and controlling energy in the event of an impact
- Seat-belt pretensioners (both front seat belts): During a collision, impact sensors initiate front seat-belt pretensioners to immediately remove slack from seat belts, thereby reducing the forward movement of occupants’ heads and torsos
- Sentry Key engine immobilizer: Utilizes an engine key that has an embedded transponder with a pre-programmed security code to discourage vehicle theft. When the key is inserted into the ignition, the controller sends a random number to the transponder and the engine is allowed to start. If an incorrect key is used, the engine will shut off after only a few seconds
- Side-guard door beams: In front and rear doors, provides occupant protection during a side impact
- SmartBeam headlamps (automatic high beams): During night driving, the system senses oncoming traffic headlights and automatically switches from high- to low-beam and back again when the traffic has passed
- Selective tire-pressure display: Allows owner to check tire pressures on all six tires
- Tire-pressure monitoring (TPM): Packaged with the 10K GVWR model, pressure-sensor modules within the valve stems of all four road wheels send continuous radio-frequency signals to a receiver and the system informs occupants when tire pressure is too low
- Trailer-sway control: Reduces trailer sway and improves handling in adverse towing conditions caused by crosswinds and traffic. The system monitors the vehicle’s movement relative to the driver’s intended path, then applies alternating brake pressure to slow the vehicle and then increases the pressure on one front wheel in order to counteract the sway induced by the trailer
- Uconnect system: Integrates world-class infotainment and convenience technologies to keep passengers connected
- Uconnect Voice Command: An in-vehicle, voice-activated communication system that allows drivers to operate a Bluetooth compatible phone with their hands on the wheel and eyes on the road. When the Bluetooth phone is initially connected, the contact list is automatically downloaded, synchronizing as

many as 1,000 phone book entries, which can then be selected by simply saying a contact name. It also allows drivers to switch radio modes, tune to AM/FM and SiriusXM Radio stations and request real-time information (such as fuel prices) from SiriusXM Travel Link using natural voice commands. The handsfree option promotes safety, freedom, value and flexibility

- Vehicle theft security alarm: Deters vandalism and theft, frequently lowering insurance premiums. System protects the vehicle from theft by monitoring door- and liftgate-ajar switches and the ignition circuit for unauthorized entry

RAM ProMaster

- Air bags: Inflate with a force appropriate to the severity of a frontal or near-frontal impact
- Anti-lock brake system (ABS): Senses and prevents wheel lockup, delivering improved handling under extreme braking and /or slippery conditions. Advanced ABS modulates each of the four brakes individually for optimum control and stopping performance
- Automatic brake lamp actuation: Senses emergency brake situations earlier than humanly possible (via brake pedal sensing and steering angle positioning) and actuates/flashes the tail lamps
- BeltAlert: Periodically activates a chime and illuminates an icon in the instrument cluster to remind the driver and passenger to buckle up if a vehicle is driven without being properly belted
- Brake assist: Applies maximum braking power, minimizing stopping distances in emergency braking situations
- Brake-traction control (BTS): Allows the vehicle to maintain forward motion if one or two wheels lose traction by selectively and aggressively applying brakes to the spinning wheels
- Brake-throttle override: When a disagreement exists between the throttle and the brake, the brake signal causes the engine controller to reduce engine power, allowing the operator to stop
- Brake/Park interlock: Prevents the automatic transmission from being shifted out of Park unless the brake pedal is applied
- Crumple zones: Designed to compress during an accident to absorb energy from an impact, decreasing transfer of that energy to occupants
- Digressive load-limiting retractors: A load-limiting feature that limits the maximum force on the belt webbing to help absorb the energy of the occupant’s upper torso during an impact
- Drift compensation technology: Detects road conditions – such as a crowned road surface or crosswinds – and adjusts the steering system to help the driver compensate for pulling and drifting
- Electronic stability control (ESC): Enhances driver-control and helps maintain directional stability; reconciles steering-wheel position with vehicle path by activating individual brakes and reducing throttle input; beneficial in turns and when driving on surfaces affected by snow, ice or gravel
- Energy-absorbing steering column: The manual-adjust steering column utilizes two hydroformed coaxial tubes that move relative to each other to allow the column to move forward for enhanced energy-absorption during an impact
- Enhanced Accident Response System (EARS): Makes it easier for emergency personnel to see and reach occupants in the event of an accident by turning on interior lights and hazard flashers, and unlocking doors after air-bag deployment. Also shuts off the flow of fuel to the engine
- Height-adjustable seat belts: Allows the driver and front passenger to raise and lower the shoulder belt. Encourages seat belt usage by offering a comfortable fit
- High-mounted lighting: Headlights and taillights are integrated well above the bumpers, allowing the lighting to function after a bumper strike
- Hill-start Assist (HSA): Automatically holds vehicle to avoid rollback when starting on an incline; maintains braking long enough for driver to reposition foot from brake pedal to accelerator
- Hydraulic boost compensation (HBC): Senses if there’s a failure in the vacuum brake booster or related lines. If a failure is detected, the brake controller will run the ABS pump full-time and brakes will perform as normal until serviced
- Interior head-impact protection: Interior pillars above the belt line and instrument panel, including areas around windshield and rear window headers, roof and side-rail structures and shoulder-belt turning loops are specifically designed to limit head-impact force
- Knee bolsters: Area around lower instrument panel and the glove-box door designed to properly position occupant during impact, enabling air bags to work effectively
- Navigation system: Easy-to-use maps with audible turn-by-turn directions; more than six million points of interest and lane guidance

- Occupant restraint controller: Detects an impact and determines whether a crash is severe enough to trigger air bag deployment and whether the primary or secondary stage inflation is sufficient. In addition, the controller detects side impacts and determines whether the rail-curtain and side seat-mounted (thorax protection) air bags should deploy. Engagement of front seat-belt pretensioners are also managed through the controller
- ParkSense rear park assist: Assists at low speeds in reverse to detect stationary objects. Consists of audible warnings for the driver
- ParkView rear backup camera: Provides wide-angle view of area immediately behind vehicle when reverse gear selected; displays grid line to assist with maneuvers such as backing to parking spaces or aligning a trailer with the vehicle's trailer hitch
- Protective cell structure: Protects occupants by managing and controlling energy in the event of an impact
- Remote keyless entry: Locks and unlocks doors and turns on interior lamps. If the vehicle is equipped with a vehicle-theft security alarm, the remote also arms and disarms that system
- Seat-belt pretensioners (both front seat belts): During a collision, impact sensors initiate front seat-belt pretensioners to immediately remove slack from seat belts, thereby reducing the forward movement of occupants' heads and torsos
- Sentry Key engine immobilizer: Utilizes an engine key that has an embedded transponder with a pre-programmed security code to discourage vehicle theft. When the key is inserted into the ignition, the controller sends a random number to the transponder and the engine is allowed to start. If an incorrect key is used, the engine will shut off after a few seconds
- Side-guard door beams: Front and rear door components that provides occupant protection during a side impact
- Standard side-curtain air bags: Extends protection to all outboard front passengers. Each side air bag has its own impact sensor which autonomously triggers the air bag on the side where an impact occurs
- Tire-pressure monitoring (TPM): Pressure-sensor modules within the valve stems of all four road wheels send continuous radio-frequency signals to a receiver and the system informs occupants when tire pressure is too low
- Traction control system: Senses drive-wheel slip and applies individual brakes to slipping wheel(s) and reduces excess engine power until traction is regained
- Trailer-sway control: Reduces trailer sway and improves handling while exposed to crosswinds or other adverse towing conditions; system monitors vehicle's movement relative to driver's intended path and activates brakes accordingly, counteracting sway induced by trailer and otherwise managing momentum
- Uconnect system: Integrates world-class infotainment and convenience technologies to keep passengers connected and comfortable
- Uconnect Voice Command: An in-vehicle, voice-activated communication system that allows drivers to operate a Bluetooth compatible phone with their hands on the wheel and eyes on the road. When the Bluetooth phone is paired, the user can choose to download his phonebook, synchronizing as many as 1, 000 phone book entries, which can then be selected by simply saying a contact name. It also allows drivers to switch radio modes, tune to AM/FM and SiriusXM Radio stations using voice commands. The handsfree option promotes safety, freedom, value and flexibility.
- Vehicle theft security alarm: Deters vandalism and theft, frequently lowering insurance premiums. System protects the vehicle from theft by monitoring door-ajar switches and the ignition circuit for unauthorized entry

RAM C/V

- Advanced multistage air bags: Inflates with a force appropriate to the severity of the impact
- All-speed traction control: Helps to keep driving wheels from spinning during acceleration from a stop or during all speeds by applying individual brakes alone or in combination with engine torque limitation to prevent wheel slip
- Anti-lock brake system (ABS): Senses and prevents wheel lockup, offering improved steering control under extreme braking and/or slippery conditions
- Automatic headlamps: Detects dim driving conditions and turns on the headlamps without driver intervention
- Auto-dimming rear-view mirror: Detects and reduces glare from rearward headlamps without driver intervention

- Auto-reverse windows: Advanced sensing system that automatically engages and reverses the power windows to the open position
- BeltAlert: Activates a chime and/or illuminates an icon in the instrument cluster to remind the driver and front passenger to buckle up if the Ram C/V is driven without belted front-seat occupants
- Blind-spot Monitoring (BSM): Uses dual ultra-wideband radar sensors to aid the driver when changing lanes or if being passed by or passing unseen vehicles
- Brake Assist: In an emergency brake situation, the system applies maximum braking power, minimizing the stopping distance
- Brake Override: When a disagreement exists between the throttle and the brake, the brake signal causes the engine controller to reduce engine power, allowing the operator to stop the vehicle
- Brake/Park interlock: Prevents a Ram C/V from being shifted out of Park unless the brake pedal is applied
- Brake-traction control system (BTCS): Helps to keep driving wheels from spinning during acceleration from a stop or during slow speeds by applying individual brakes to the slipping wheel(s)
- Constant-force retractors (CFR): Regulates the force exerted on the occupant by the seat belt and then gradually releases seat-belt webbing in a controlled manner
- Crumple zones: Designed to compress during an accident in order to absorb energy from an impact which decreases transfer of that energy to occupants
- Electronic stability control (ESC): Enhances driver control and helps maintain directional stability under all conditions. Provides the benefit in critical driving situations, such as turns, and is valuable when driving on mixed-surface conditions, including snow, ice or gravel. If there is a discernible difference between driver input through the steering wheel and the vehicle's path, ESC applies selective braking and throttle input to guide the vehicle back on to the driver's intended path
- Energy-absorbing steering column: The manual-adjust steering column utilizes two hydroformed coaxial tubes that can move relative to each other to allow the column to move forward for enhanced energy absorption during a crash
- Enhanced Accident Response System (EARS): Makes it easier for emergency personnel to see and reach occupants in the event of an accident by turning on the interior lighting, flashing the hazard lights and unlocking the Ram C/V doors after air bag deployment. Also shuts off flow of fuel to the engine
- Express up/down windows: One-touch powered express up/down window button located on the front driver door. One-touch powered express down window button located on front passenger-side door
- Head restraints: Includes rear-center passenger for all seating positions
- Height-adjustable seat belts: Allows occupant to raise and lower the shoulder belt
- Knee air bag: Located below the instrument panel, air bag deploys when the driver air bag deploys and is designed to properly position the occupant during impact and offer additional lower leg protection
- LED tail lamps: Provide dual-function illumination (brake, stop, turn and running light functions) with harmonious and consistent illumination throughout the tail lamp due to individual illumination points
- ParkSense rear park assist system: Assists at low speeds in reverse to detect stationary objects. Consists of audible warnings for the driver and has a display in the instrument cluster's Electronic Vehicle Information Center (EVIC)
- ParkView rear backup camera: Provides a wide-angle view of the area immediately behind the vehicle, giving the driver greater peace of mind before reversing at low speeds. New for 2011, the display features grid lines to aid the driver when maneuvering into parking spaces or narrow areas. The image is displayed on the Uconnect media center when the transaxle is shifted into Reverse
- Rain-sensing wipers: A driver convenience feature that automatically senses moisture on the vehicle's windshield and activates wipers
- Reactive head restraints: Activates in the event of a rear collision. Restraints are designed to reduce injuries by minimizing the gap between the head restraint and the passenger's head
- Rear Cross Path (RCP) Detection: In parking lot situations, this system warns drivers backing out of parking spaces of traffic moving toward their vehicle. It activates any time the vehicle is in Reverse. The driver is notified of vehicle(s) crossing behind the vehicle via illuminated icons on the side-view mirror and with a driver-selected audible chime
- Remote Keyless Entry: Locks and unlocks doors and turns on interior lamps. If the vehicle is equipped with the optional security alarm, the remote also arms and disarms that system
- Remote start: Conveniently starts the engine and activates key comfort settings based on ambient

conditions by using the key fob while maintaining vehicle security

- Safety cage body structure: Protects occupants by managing and controlling energy in the event of an impact
- Seat-belt pretensioners: During a collision, impact sensors initiate front seat-belt pretensioners to remove slack in the seat belt system, thereby reducing the forward movement of the occupant's head and torso
- Sentry Key engine immobilizer: Uses a key fob that has an embedded transponder with a preprogrammed security code to shut off the engine after a few seconds and discourage vehicle theft
- SiriusXM Travel Link: Provides Ram C/V passengers with real-time information and entertainment
- Seat-mounted side pelvic-thorax air bags: Provide enhanced protection to the driver and front outboard passenger in certain impacts. Each side air bag has its own impact sensors that autonomously trigger the air bag on the side where an impact occurs. Standard side air bags are housed within the outboard side of each front seat
- Side-curtain air bags: Provide enhanced protection to all outboard occupants
- Three-point seat belts: Front outboard seating positions and all rear seating positions have lap and shoulder belts
- Tilt-and-telescoping steering column: Allows steering column to tilt and move toward or away from the driver to achieve a safe and comfortable distance from the advanced multi-stage front driver air bag, if deployed
- Tire-pressure monitoring (TPM): Informs driver when tire pressure is too low. Pressure-sensor modules within the valve stems of all four road wheels send continuous radio-frequency signals to a receiver and the system. Individual tire pressure can be displayed in the EVIC
- Uconnect Voice Command: An in-vehicle, voice-activated communication system that allows drivers to operate a Bluetooth compatible phone with their hands on the wheel and eyes on the road. When the Bluetooth phone is initially connected, the contact list is automatically downloaded, synchronizing as many as 1,000 phone book entries, which can then be selected by simply saying a contact name. It also allows drivers to switch radio modes, tune to AM/FM and SiriusXM Radio stations and request real-time information (such as fuel prices) from SiriusXM Travel Link using natural voice commands. The handsfree option promotes safety, freedom, value and flexibility
- Uconnect Web: Turns the Ram C/V into a mobile hot spot capable of instant access to websites, e-mail, personalized music, online gaming, photo albums and more. The wireless system provides high-speed data transfer and flexibility, combining Wi-Fi and 3G cellular connectivity for a new level of wireless technology

-###-

Additional information and news from Stellantis are available at: https://media.stellantisnorthamerica.com