



File in Section: -

Bulletin No.: PI1049

Date: September, 2013

Service Bulletin

PRELIMINARY INFORMATION

Subject: 2014 Buick LaCrosse New Model Features

Models: 2014 Buick LaCrosse

Equipped with 2.4L DOHC VVT, DI — RPO LUK and Hydramatic® 6-Speed Automatic Transmission, 6T40, BAS+ with FWD — RPO MHH

Equipped with 3.6L Flex-Fuel DOHC VVT, SIDI — RPO LFX and Hydramatic® 6-Speed Automatic Transmission, 6T70 with Haldex AWD — RPO M7U

Equipped with 3.6L Flex-Fuel DOHC VVT, SIDI — RPO LFX and Hydramatic® 6-Speed Automatic Transmission, 6T70 with FWD — RPO M7W

Bulletin Purpose



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The purpose of this bulletin is to help the Service and Sales Department personnel become familiar with the 2014 Buick LaCrosse new model features.

Vehicle Overview

The 2014 LaCrosse offers new interior and exterior designs, Buick's QuietTuning engineering, advanced safety technologies and enhanced next generation in-vehicle connectivity. LaCrosse is available in four trim levels, including LaCrosse (1SB), Leather (1SL), Premium I (1SP) and Premium II (1SR).

Exterior Design

The 2014 LaCrosse introduces a more expressive interpretation of Buick's flowing, sculpted styling design, with elements and cues that enhance the car's well-planted, wide stance. Highlights include:



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- New front fascia, sculpted hood and a more prominent waterfall grille
- Lower front active grille shutters are included on every model and close at highway speeds to reduce aerodynamic drag



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- New headlamp designs, with available Bi-Xenon High-Intensity Discharge lamps (HID), Articulating Headlamps and LED wing-shape signature lighting



3609292

- New rear fascia and deck lid, with integrated spoiler



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- New wraparound taillamps with LED lighting

Interior Design

The interior has new seats, enhanced materials, a redesigned central instrument panel with standard configurable eight-inch color driver information and cluster display, a console with additional storage space and an all-new, available Ultra Luxury Interior Package. The cabin incorporates Buick's next-generation IntelliLink infotainment system, with intuitive controls and natural voice recognition. Standard equipment on **all** trim levels includes the following:

- Premium audio system with AM/FM/SiriusXM® Radio/XM Travel Link®* (with three months of service), Bluetooth, USB port, CD player, auxiliary input jack, steering wheel-mounted controls, Buick IntelliLink eight-inch color touch-screen radio.
- Auto-dimming inside rearview mirror
- High resolution driver information center (DIC)
- Leather-wrapped steering wheel
- Dual-zone automatic climate control
- Power windows with driver and front passenger express up/down
- Heated and power outside rearview mirrors
- Electric parking brake (EPB)
- Eight-way power seat in addition to four-way power driver lumbar

- Remote start, remote keyless entry (RKE) and Universal Home Remote.
- OnStar® with complimentary six months of Directions and Connections service
- Eight air bags, including rear-seat thorax air bags
- Four-wheel anti-lock brakes with Intelligent Brake Assist
- StabiliTrak® electronic stability control with full-function traction control
- Buick's QuietTuning engineering that reduces, blocks and absorbs unwanted noise

* **XM Travel Link® is not available in Canada.**

New Safety Features

The 2014 LaCrosse employs new safety features with carefully developed directional alerts that help drivers quickly identify potential crash situations so they can react. They include radar and camera based features offered in two Driver Confidence packages.

Driver Confidence 1 Package

The Driver Confidence 1 Package includes Forward Collision Alert (FCA), Lane Departure Warning (LDW), Lane Change Alert (LCA), Side Blind Zone Alert (SBZA), Rear Cross Traffic Alert (RCTA), High Intensity Discharge (HID) headlamps with Articulating Headlamps, fog lamps and Head Up Display (HUD).

Driver Confidence 2 Package

The Driver Confidence 2 Package adds Collision Preparation which includes Collision Mitigation Braking, full speed range Adaptive Cruise Control (ACC) and the Safety Alert Seat.

Available Product Training

The majority of the systems found on the LaCrosse are taught in GM's core curriculum from a conceptual theory and operation perspective.

To access **all** of the available training courses visit the following website:

- In the United States go to > www.centerlearning.com
- In Canada go to > www.gmprocanada.com

Training Course Name and System RPO - Course Number and Description

Course Name - System RPO	Course Number and Description
Base Curriculum	#16041.09W Battery, Charging and Starting Systems #16044.21 Engine Performance #16048.25W-R3 Multiple Diagnostic Interface (MDI) Familiarization #16048.30H-R2 Global Diagnostic System 2 (GDS 2) Overview - Hands On #16048.30W-R2 Global Diagnostic System 2 (GDS 2) Overview #16050.12D Camshaft Position Actuator System and Active Fuel Management (VCT) #18043.01W-R4 Electrical / Electronics Stage 1 #18043.02W-R4 Electrical / Electronics Stage 2 #18043.03W-R3 Electrical / Electronics Stage 3 #18044.20 GM Global Electrical System #13044.20 GM Chassis Control Systems #15045.18 GM Braking Systems #16048.28D GDS 2 Diagnostics (Video) #16048.27V GDS 2 Diagnostics (Canada) #16039.16H GDS 2 Certification (Canada) #16026.05D Camshaft Position Actuator System Operation & Diagnosis (Canada) #16026.06D Active Fuel Management System Operation & Diagnosis (Canada) #18044.21D GM Global Electrical Systems (Canada)
Engines ECOTEC® eAssist (BAS) 4 CYL, 2.4L Aluminum, DOHC with VVT and DI — RPO LUK	#16440.16D Engines New and Updates #16044.21 GM Powertrain Performance #16043.52 Engine Mechanical Diagnostics and Measurements

Training Course Name and System RPO - Course Number and Description (cont'd)

Course Name - System RPO	Course Number and Description
6 CYL, 3.6L Flex-Fuel Aluminum DOHC with VVT and DI, E85 MAX — RPO LFX	#16044.20 SIDI - Virtual Classroom Training (VCT) #16050.11 Camshaft Position Actuator System and Active Fuel Management #18070.45W eAssist Introduction #18070.50H eAssist System Diagnosis and Service #18071.16H eAssist Hybrid Diagnosis & Service (Canada)
Transmissions Transmission, 6-Speed Automatic, Electronically Controlled 6T70, FWD — RPO M7W Transmission, 6-Speed Automatic, HMD, GM, BAS+, 6T40, Hybrid, FWD — RPO MHH	#17041.56 Automatic Transmission Operation, Diagnosis and Service #17041.65H 6-Speed Automatic Transmission Service #17036.16H 6T70 Transmission Overhaul & Diagnosis (Canada)
Brakes Brake System-Power, Front & Rear Disc, ABS — RPO J61 Brake Parking-Power Operated — RPO J71	#15045.18W1 & W2 GM Braking Systems 1 & 2 #15045.14T1 GM Electric Parking Brakes #18044.25 Body Electrical Accessory Systems #18050.16H Global Electrical Diagnosis and Service Certification (Canada)
Air Bags 8Air Bags — RPO AW7	#22048.42 GM Safety Systems
Heating, Ventilation and Air Conditioning HVAC System-Air Conditioner Front, Automatic Temperature Control, Auxiliary Temperature Control — RPO CJ2 Equipment-Sensor Air Moisture & Windshield Temperature — RPO ASV	#11044.05 HVAC Systems and Operation #11044.03W HVAC Systems and Operation (Canada)
Power Steering	#13041.13T1 Rack-Mount Electric Steering #13041.15 GM Steering Systems and Diagnosis
OnStar® OnStar® OnStar® Generation 9 TechAssist Course	#19040.37 OnStar® Systems and Technology #19040.38T1 OnStar® Systems and Technology
Entertainment - Infotainment - Audio Systems Radio - Infotainment System, Uplevel with Connectivity - RPO IO5 Radio - Infotainment System, Uplevel with Connectivity - RPO IO6	#19047.20W2 R2 Entertainment Systems 2 (Including MOST) Network #19047.20W3 Entertainment Systems 3 #19047.22D Infotainment Operation, Diagnosis and Service (VCT)
Tire Pressure Monitor System (TPMS) Tire Pressure Indicator - Manual Learn - RPO UJM	#13044.20 GM Chassis Control Systems #13044.12T2 Tire Pressure Monitoring Systems Diagnosis
Bluetooth Technology - Programming Bluetooth for Phone, Personal Cellphone Connectivity to Vehicle Audio System Bluetooth Technology, Functions and Features Diagnosing and Methods of Radio Programming (USB Programming, Scan Tool Programming)	#19047.20W2 R2 Entertainment Systems 2 (Including MOST) Network #19047.16H Entertainment Systems Certification (Canada)
Theft Deterrent System Theft Deterrent - Electrical, Unauthorized Entry - RPO UTJ	#19047.09W Entry and Security Systems
Suspension Chassis Equipment Front – Strut Assembly - RPO GNA Ride and Handling-Automatic Electronic Controlled - RPO FX3	#13044.20 GM Chassis Control Systems #13044.16T1 Continuous Damping Control
Enhanced Safety Systems And Object Detection Camera - Rear View - RPO UVC Sensor Indicator-Forward Collision Alert - RPO UEU Side Active Safety-Obstacle Detection Enhanced - RPO UKC Lane Active Safety-Departure Warning - RPO UFL Sensor Indicator- Rear Parking Assist - RPO UD7 Sensor-Collision Avoidance & Mitigation, Vehicle Forward Movement, Brake Prefill & Intelligent Brake Assist - RPO UGN	#22048.42 GM Safety Systems (Includes All Course Components W1 + W2 + W3 + H) #22048.16H GM Safety Systems Certification (Canada)

Training Course Name and System RPO - Course Number and Description (cont'd)

Course Name - System RPO	Course Number and Description
Sensor Indicator-Rear Cross Traffic Alert - RPO UFG Cruise Control-Automatic, Adaptive, With STOP/GO – RPO KSG	

Dexos1™ Engine Oil Specification — Recommended Viscosity



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3512027

Only those oils displaying the dexos1™ trademark and a registered trademark logo on the front label of the container meet the demanding performance requirements and stringent quality standards set forth in the dexos1™ specification.

Look on the front label for either of the logos shown above and the 11 digit alphanumeric dexos® license number on the back label to identify an authorized, licensed dexos1™ engine oil. Unless an oil package displays these two markings, the engine oil is not an authentic, licensed dexos® product and is not recommended for use in GM vehicles.

The dexos1™ specification was uniquely designed to complement the exacting requirements of GM's advanced engine technology. The specification has gone through an extensive developmental and testing process. It requires a number of proprietary tests that are not included in current industry standards and sets performance criteria at a level that exceeds many current standards. The result is a high performance fluid providing significant wear protection, improved piston cleanliness, a reduction in volatility and oil consumption, enhanced aeration control for improved fuel efficiency, and better oxidation properties.

Viscosity Grade

Notice: DO NOT use other viscosity grade oils such as SAE 10W-30, 10W-40, or 20W-50.

SAE 5W-30 is the best viscosity grade for the vehicle.

For cold temperature operation, where the temperature is colder than -20°F (-29°C), SAE 0W-30 may be used.

Refer to this General Motors website for dexos1™ information about the different licensed brands that are currently available: <http://www.gmdexos.com>

Buick's Next-Generation IntelliLink / 8-Inch Diagonal Color Touch Screen / Infotainment Features / Connectivity / Bluetooth® Enabled Devices



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The 2014 Lacrosse debuts the next-generation of Buick IntelliLink. This infotainment system connects you to your favorite radio, satellite and internet music (where available), and enables you to place and receive hands-free calls with one touch of a button, so it's easy to access your music and contacts while navigating the road. The system utilizes resistive touch and only responds to physical touches.

A high-resolution, 8-inch diagonal Color Touch Screen with swipe-and-drag functionality puts control at your fingertips. New on the 2014 Lacrosse is natural language voice recognition that allows your commands to be clearly understood, and enables you to make hands-free calls, enter destinations, browse media, play music, request music from your connected smartphone and control other functions simply by telling the vehicle what to do. A customizable home screen is designed to elevate your driving experience.

It offers more features designed for intuitive, easy-to-use functionality and incorporates a higher level of wireless connectivity and customized options building on the safety and security of OnStar®. In addition to easily identifiable icons covering everything from navigation to phone to music apps such as Pandora (Pandora is not available in Canada), next-generation IntelliLink is designed to accommodate new features and enhancements and be highly customizable.

The system can store up to 60 favorites, including radio stations (AM/FM/XM), tone settings, contacts, destinations, music from other media and Places of Interest (POI). The POI feature is convenient for those who travel to the same destination regularly and want to save locations such as hotels and restaurants. On its 8-inch diagonal Color Touch Screen, customers can swipe and drag. Users with compatible smartphones can pair them with IntelliLink using Bluetooth or a USB connection. This gives customers the ability to play passengers' music or other media through the vehicle.

Another feature allows customers whose LaCrosse is equipped with available embedded navigation to enter destinations in a single step, without having to enter the state, city, street number and street name in successive efforts. City-by-city weather reports are also provided, so XM Travel Link® customers in the United States can access the service via the screen display.

A new audio system conveys the music and radio selections called up through IntelliLink's myriad of infotainment options. Featuring seven standard speakers – including strategically placed tweeters – the system was developed to complement LaCrosse's quiet, acoustically optimized interior with rich sound. An 11-speaker Premium Bose® Centerpoint 5.1 Surround Sound system is available.

11-Speaker Premium Bose® Centerpoint 5.1 Surround Sound System

If equipped with the 11-Speaker Premium Bose® Centerpoint 5.1 Surround Sound system, it will have four DSP modes as follows:

- **Normal:** Adjusts the audio to provide the best sound for all seating positions.
- **Driver:** Adjusts the audio to provide the best sound for the driver.
- **Rear:** Adjusts the audio to provide the best sound for the rear seat occupants.
- **Centerpoint:** Creates the best surround sound for the whole vehicle.

Infotainment Features / Connectivity

- A high resolution 8-inch diagonal color touch screen with swipe-and-drag functionality and a customizable Home Page. Customize the Home Page using the touch screen to gain access to frequently used features and up to 6-pages of preferred settings.
- Smartphone Voice Recognition Pass-Through offers seamless hands-and-eyes-free control of their smartphone's voice recognition feature directly through the IntelliLink Infotainment System. Once activated, a driver needs only to say the word to make calls, access their music library and more.

Notice: SiriusXM® Travel Link® is not available in Canada.

- IntelliLink offers the entertainment of SiriusXM® Satellite Radio with Travel Link®, standard for three trial months with over 140 channels, including commercial free music, plus talk, sports, news, weather and more. Access to Pandora® Internet Radio (data plan rates apply) also comes standard (Pandora® is not available in Canada), while IntelliLink's customizable app tray allows you to organize the home screen according to your preferences.

For more information on SiriusXM® radio, Go to this website: www.siriusxm.com

Notice: SiriusXM® Travel Link® is only available in the 48 Contiguous United States and the District of Columbia. Service availability varies by vehicle make and model.

- Available with an active SiriusXM® Satellite Radio subscription, Travel Link® provides the following information in the immediate area:
 - **National and Local Weather:** Continuously updated information about current national and local weather including 5 day forecasts with radar images, alerts from the National Weather Service and other government agencies and severe weather events including those for hurricanes and tornadoes.
 - **Fuel Prices:** Fuel prices are available from more than 10,000 gas stations and locations can be sorted by lowest price, driving distance, brand name and more. It will also provide a route to the station of choice.
 - **Movie Listings:** With access to over 4,500 movie theaters, you can search by movie title, show time, driving distance and more. It will also provide a route to the theater or a favorite theater of choice.
 - **Sports Scores:** The available Sports Scores provides in game and final scores as well as weekly schedules.
 - **Stocks:** The available Stocks enables you to watch your personal portfolio of stocks as they move up or down throughout the day.
- Natural-voice-recognition recognizes the way you speak naturally, enabling better control from selected music and accessing radio stations, to hands-free calls that are placed and received. Simply use short phrases to access your call history, music and other content from your smartphone or mobile device.
- Manage music and smartphones contacts via natural-voice activated commands or by using the steering wheel mounted controls.
- Gracenote Technology is an embedded feature that indexes and assigns voice tags to all of your music selections. Use the phrase "More Like This" function to instantly create a playlist of songs or artists similar to what is being listened to.
- Accommodates up to 10 different mobile device pairings, from smartphones to Bluetooth® enabled music players such as the iPod® Touch.
- Phone Book Access is accomplished when IntelliLink downloads and saves all of your smartphone contacts, so you can access every number every time you step into the vehicle, all with just the sound of your voice.
- Play Internet radio or stream music from MP3 players and memory sticks using the built-in USB port.



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Notice: Map coverage is not available in Puerto Rico, the Virgin Islands and portions of Canada.

- With the available built-in Color Touch Navigation, the exact vehicle location (map location) can be accessed in addition to real time traffic data, driving directions, speed limit information and more. In addition to providing driving directions, IntelliLink will remember frequently traveled routes and destinations.
- When IntelliLink is in Navigation mode, Points of Interest (POI) including restaurants, gas stations, attractions and more display automatically. POIs can be shown or hidden. POIs can also be viewed by categories such as Restaurants, Hotels, Shopping, Banks and Businesses, Travel, Public Places, Automotive, Leisure, Emergency and more.
- Pandora® streaming audio (Pandora is not available in Canada).
- MyMedia: Combines metadata from multiple media sources to allow seamless access to the user's media libraries.
- HD Radio™ and SiriusXM® with iTunes® tagging feature: This feature lets the driver “mark” songs broadcast via HD Radio™ and SiriusXM® and purchase them later via Apple® iTunes® (requires iPod®).
- Real-time alerts for specific Artist/Programming content across all SiriusXM® channels.
- DVD and Blu-ray video support. When a Blu-ray or DVD disc, if equipped, is loaded and the CD button is pressed, a message displays to use the video application to play. Video application is only available in rear seat entertainment (RSE) equipped vehicles.



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- If equipped, the Rear Vision Camera (RVC) displays a view of the area behind the vehicle, on the center stack display, when the vehicle is shifted into **R** (Reverse). Some models may also have the Rear Cross Traffic Alert (RCTA) feature which will also display a triangle with an arrow on the RVC screen to warn of traffic coming from either direction when backing.

Bluetooth® Enabled Devices

Notice: To Canadian Service Agents, the following URL link is a United States website that is presented in English only. Canadian carriers are not listed directly, however when identified the phone model functions are similar.

Before using a Bluetooth® enabled device in the vehicle, it must be paired with the in-vehicle Bluetooth® system. Not all devices will support all functions. For more information, visit: www.gmtotalconnect.com

- In Canada for English assistance with Bluetooth® pairing, application downloading and installation, mobile device compatibility and operation of the IntelliLink system, contact customer assistance at 1-800-263-3777 or visit: www.gm.ca/gm/english/vehicles/buick/infotainment/
- In Canada for French assistance with Bluetooth® pairing, application downloading and installation, mobile device compatibility and operation of the IntelliLink system, contact customer assistance at 1-800-263-3777 or visit: www.gm.ca/gm/french/vehicles/buick/infotainment/

Rear Seat Entertainment (RSE) System

Rear Seat Entertainment (RSE) System

The vehicle may be equipped with a RSE system. The RSE can only be viewed on the front screen when the vehicle is in **P** (Park). The driver cannot safely view the video screen while driving. In severe weather conditions, the RSE system may not work until the temperature is within the operating range of -4°F (-20°C) and 131°F (55°C). The RSE system includes the following:

- AM/FM
- Blu-ray™/DVD/CD player
- USB port and SD card reader
- Audio/Video jacks
- Wired headphone jack
- Remote control



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– Wireless headphones

RSE System Operation

The video screens are on the back of the driver and front passenger seats. To operate the RSE system perform the following:

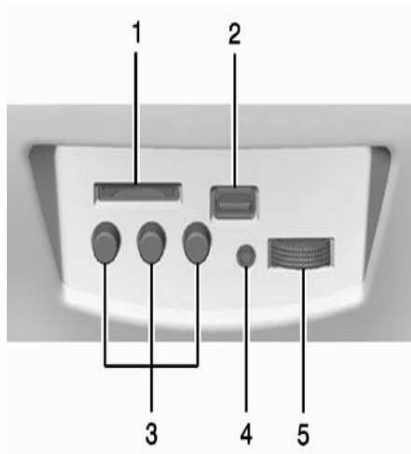


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1. Push the release button on the seatback console.
2. Move the screen to the viewing position.
3. Open a screen to turn the system **ON**. If the screens are open with the system **OFF** press the power button on the remote to turn the system **ON**. The system can also be turned **ON** using the front infotainment system by pressing the VIDEO icon on the Home Page.

Push the video screen down into its locked position when it is not in use. The screen turns **OFF** automatically. The audio may continue with the screens down. This allows listening to music without the screen being **ON**.

RSE Auxiliary Inputs



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If equipped with RSE, an SD card reader (1), USB port (2), A/V jacks (3), wired headphone jack (4), and volume control (5) will be inside the rear storage area of the center console. The A/V jacks allow audio or video cables to be connected from an auxiliary device such as a camcorder or video game system. The A/V jacks are color coded: Yellow for video input, White for left audio input and . Red for right audio input.

Power for the auxiliary devices is not supplied by the infotainment system. To use the auxiliary inputs of the RSE system:

1. Connect the auxiliary device cables to the A/V jacks.
2. Power **ON** both the auxiliary device and the RSE video.

USB/SD

This allows for video and audio playback of supported media.

To use the USB and SD:

1. Insert the device in the appropriate slot.
2. Select the source via the rear screen menu with the remote control MEDIA button.

OR

3. Select the source via the front by pressing on the “Video” application on the home screen.

CD Player / USB Ports / SD Card Reader / AUX Jack / 12V Accessory Power Outlets

CD Player / USB Ports / SD Card Port / AUX Input Jack / Accessory Power Outlet

Notice: Connect an iPod/iPhone USB cord after starting the vehicle for optimum performance.



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- **CD Player** If equipped, the CD player (1) can be used for CD and MP3 audio. The system is capable of playing the following formats:
 - Most audio CDs
 - CD-R
 - CD-RW
 - MP3 or unprotected WMA formats
- **USB Port** This vehicle is equipped with one or more USB ports. The USB port(s) are in the center console and the Rear Seat Entertainment (RSE) system, if equipped. A USB mass storage device can be connected to the USB port. The system is optimized to support two connected devices with a total of 100,000 songs.
- **SD Card Reader** This vehicle will have an SD card reader in the Rear Seat Entertainment (RSE) system, if equipped. The SD card reader uses the same controls as the USB Port.
- **Auxiliary (AUX) Jack** This vehicle has an auxiliary input jack in the center console under the armrest and is used to provide additional audio **sources**. This jack **is not** an audio output. Do not plug headphones into the AUX input jack. Set up an auxiliary device while the vehicle is in **P** (Park). Possible auxiliary audio sources include:
 - Laptop computer
 - Audio music player
- **12V Accessory Power Outlets** There are two 12V accessory power outlets. One is under the armrest inside the center console storage, and one on the rear of the center floor console. The accessory power outlets can be used to plug in electrical equipment such as a cell phone or MP3 player. Certain electrical accessories may not be compatible with the accessory power outlet and could overload vehicle or adapter fuses.

Power Outlet 110 Volt Alternating Current



3608414

The vehicle may be equipped with a 110 Volt alternating current power outlet that can be used to plug in electrical equipment with a maximum limit of 150 watts. The power outlet is on the rear of the center console. An indicator light on the outlet turns **ON** when in use. The light turns **ON** when the ignition is in **ON/RUN**, equipment requiring less than 150 watts is plugged into the outlet, and a system fault **IS NOT** detected. The indicator light does not turn **ON** when the ignition is in **LOCK/OFF** or if the equipment is not fully seated into the outlet. The accessory AC power system is protected against circuit overload and circuit shorts to ground.

The 110 Volt power outlet is not designed for the following equipment, and may not work properly if any of the following are plugged in:

- Equipment with high initial peak wattage such as: compressor-driven refrigerators and electric power tools.
- Other equipment requiring an extremely stable power supply such as: microcomputer-controlled electric blankets, touch sensor lamps, etc.

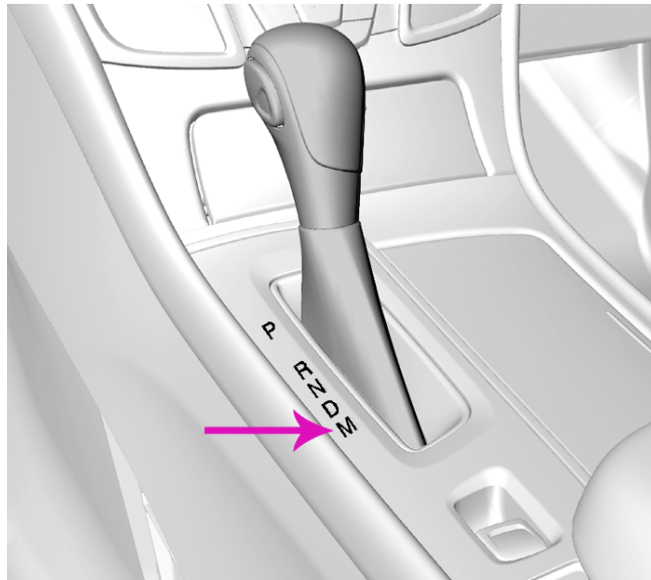
Cleaning High Gloss Surfaces and Vehicle Information and Radio Displays

The LaCrosse has high gloss surfaces, vehicle information displays and radio displays. Use a **microfiber cloth** to wipe these types of surfaces. Before wiping the surface with the microfiber cloth, use a soft bristle brush to remove dirt that could scratch the surface. Then use the microfiber cloth by gently rubbing to clean. **DO NOT** use window cleaners or solvents. Periodically hand wash the microfiber cloth separately from other items, using mild soap. **DO NOT** use bleach or fabric softener. Rinse thoroughly and air dry before the next use.

Driver Shift Control (DSC) / Manual Mode or M/S (Manual Mode/Sport Mode)

Driver Shift Control (DSC) / Manual Mode

On the 2014 Lacrosse, the controls for Driver Shift Control (DSC) have been moved to the side of the shift lever. DSC allows shifting an automatic transmission similar to a manual transmission. DSC can be enabled through the shift lever and then shifts are selected using the controls on the side of the shift lever. When using the feature, the vehicle will have firmer, quicker shifting. Driving with the engine at a high RPM without upshifting while using DSC could damage the vehicle, so always upshift when necessary while using DSC. While driving in **M (Manual Mode)**, the transmission will remain in the driver selected gear. When coming to a stop in **M (Manual Mode)**, the transmission will automatically downshift to allow for more power during take-off.



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1. Move the shift lever from **D (Drive)** rearward to **M**.

The Driver Information Center (DIC) in the instrument cluster will change from a currently displayed message to the letter **M** indicating **Manual Mode** and a **number** indicating the requested **gear**.



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2. Press the **+ (Plus)** (callout 1) front end of the switch on the side of the shift lever to **upshift**.
3. Press the **- (Minus)** (callout 2) rear end of the switch on the side of the shift lever to **downshift**.
4. To cancel DSC, move the shift lever back to **D (Drive)**.

Driver Shift Control (DSC) M/S (Manual Mode/Sport Mode)

1. Move the shift lever from **D (Drive)** rearward to **M/S (Manual Mode/Sport Mode)**. The Driver Information Center (DIC) in the instrument cluster will change from a currently displayed message to the letter **S** indicating **Sport Mode**.

When in **S**, the vehicle will still shift automatically but chassis tuning is refined.

2. Select the **+/-** switch on the side of the shift lever, and the transmission will enter **M (Manual Mode)**. The DIC gear indicator will change to an **M** and a **number** indicating the requested **gear**.
3. In **M**, press the **+ (Plus)** (callout 1) front end of the switch on the side of the shift lever to upshift, or the rear end of the switch **- (Minus)** (callout 2) to downshift.

Electrical Architecture

Global Diagnostic System 2 (GDS 2)

The 2014 LaCrosse utilizes GM's Global A electrical architecture. This architecture requires the use of the Global Diagnostic System 2 (GDS 2) software and the Multiple Diagnostic Interface (MDI) module.

Dealerships requiring assistance in the process of installing GDS 2 and the MDI should contact the Techline Customer Support Center @1-800-828-6860 (English) or 1-800-503-3222 (French).

Driver Information Center (DIC)

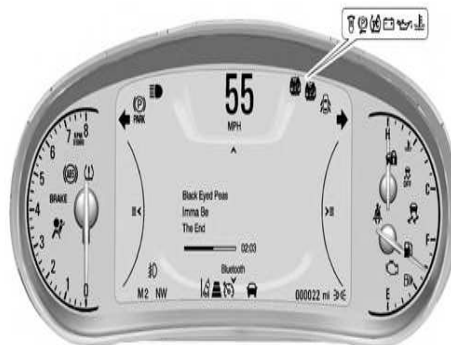
Driver Information Center (DIC)



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The DIC displays are shown in the center of the instrument cluster in the Info App. The Info App is only available when the vehicle is in **ON/RUN**. The displays show the status of many vehicle systems. The controls for the DIC items and displays are on the right steering wheel control pad.

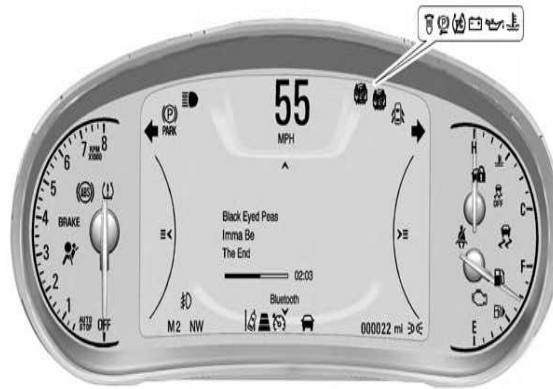
Detailed View of Instrument Cluster / English Shown, Metric Similar



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The DIC displays are shown in the center of the instrument cluster in the Info App.

Detailed View of eAssist Instrument Cluster / English eAssist Shown, Metric eAssist Similar



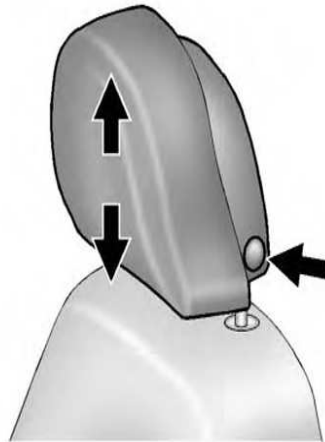
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The DIC displays are shown in the center of the instrument cluster in the Info App.

Head Restraints Front Seat / Rear Seat

Front Seat Head Restraints

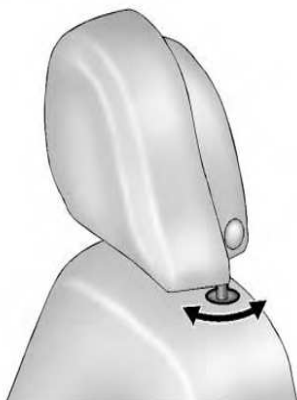
The vehicle's driver and front passenger seats have adjustable head restraints.



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The height of the head restraint can be adjusted. Pull the head restraint up to raise it to the desired position. Try to move the head restraint to make sure that it is locked in place.

To lower the head restraint, press the button and push the head restraint down to the desired position. Pull and push on the head restraint after the button is released to make sure that it is locked in place.



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The head restraints can be adjusted forward or rearward. To adjust the head restraint forward grasp the head restraint and pull forward to the desired locked position. To adjust the head restraint rearward, grasp the head restraint and pull forward fully, until the mechanism releases and allows the head restraint to return to the full rear position.

Rear Seat Head Restraints

The vehicle's rear seats have adjustable head restraints in the outboard seating positions.

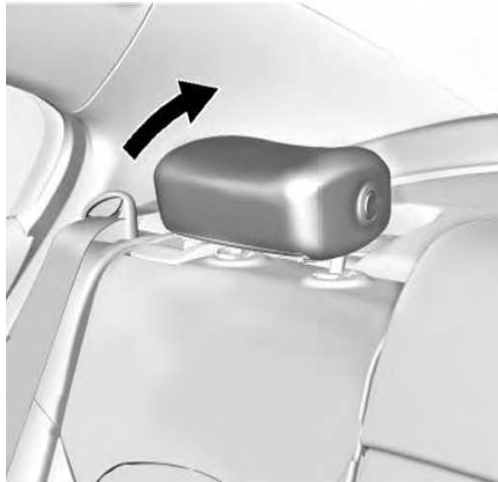
The height of the head restraint can be adjusted. Pull the head restraint up to raise it. Try to move the head restraint to make sure that it is locked in place.



3283566

To lower the head restraint, press the button, located on the top of the seatback, and push the head restraint down. Try to move the head restraint after the button is released to make sure that it is locked in place.

Rear Seat Folding Head Restraints



3610125

The rear seat head restraint can be **folded rearward** to allow for better visibility when the rear seat is unoccupied. To fold the head restraint, press the button on the side of the head restraint. The head restraint will fold rearward automatically.

When an occupant or child restraint is in the seat, always return the head restraint to the full upright position. Lift the head restraint and pull it forward until it locks into place. Push and pull on the head restraint to make sure that it is locked.

Front Active Grille Shutters

Lower front active grille shutters are standard on all models. The active grille air shutter actuator closes louvers at the front bumper to enhance vehicle aerodynamics in driving situations where cooling and A/C loads are relatively low and high levels of front end airflow are not required. If high levels of airflow are required the active grille air shutter actuator opens the louvers.

Buick's QuietTuning Features

Buick's QuietTuning engineering follows a three-point strategy of reducing sounds at their source, blocking sounds from entering the cabin and absorbing any remaining sounds. Specific QuietTuning features include:

- Steel laminate on the front-of-dash body area
- Expanded baffles in the roof pillars
- Extensive use of melt-on sound deadeners throughout the entire lower body structure is a key enabler for reduced road noise and vibration underfoot
- Sound absorbing material throughout the engine, passenger and cargo compartments
- Acoustical laminate on the front windshield and front side glass

Acoustic windshields are the same as a standard windshield, but they have been made with a thin, sound absorbing technology between the glass that reduces the interior noise by 3dB overall, and even more in the frequency where people "hear" the human voice.

This technology actually allows automakers to use thinner glass without sacrificing cabin comfort. A lighter windshield also reduces the weight of the vehicle, which improves fuel economy and reduces the CO2 emissions created by the engine.

Auto Defog

Auto Defog Operation

Only vehicles equipped with the dual automatic climate control system will have this option. When set to **ON**, the front defog will automatically react to temperature and humidity conditions that may cause fogging.

When those conditions are detected, the climate control system may adjust to outside air supply and turn **ON** the air conditioner. If the climate control system does not detect possible window fogging, it returns to normal operation.

Auto Defog may be turned **ON** or **OFF** in Vehicle Personalization.

Safety and Crash Avoidance

The LaCrosse has a network of cameras, radar and ultrasonic sensors to help the driver avoid crashes by improving their vision and awareness of road hazards, even braking automatically if sensors predict the vehicle is at risk of crashing.

The safety features are available in packages, therefore not every vehicle will be equipped with every safety feature. The control and alert technologies are described in the following:

Adaptive Cruise Control (ACC) / Follow Distance Gap



3610703

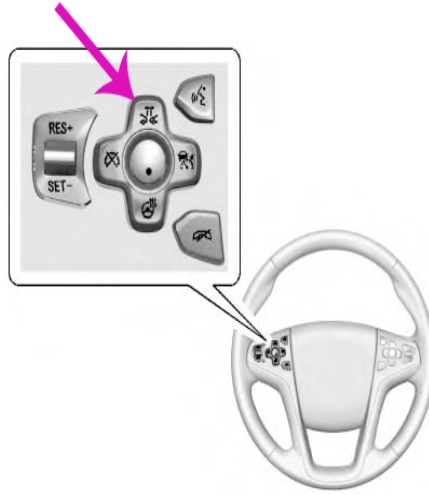
If equipped with Adaptive Cruise Control (ACC), this feature allows the driver to select the cruise control set speed and **follow distance gap**. The follow distance gap of Far, Medium or Near when selected, will display on the Driver Information Center (DIC).

ACC uses radar technology to enhance traditional cruise control by enabling the vehicle to maintain a driver selected follow distance gap and assisting the driver in avoiding following other vehicles too closely. It automatically maintains the follow distance gap by controlling vehicle acceleration and applying limited braking when needed, even slowing to a full stop behind a vehicle stopping ahead.



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If ACC is engaged, driver action may be required when ACC cannot apply sufficient braking because of approaching a vehicle too rapidly. When this occurs, the flashing red collision alert symbol will display on the Head-Up Display (HUD). Either eight beeps will sound from the front, or both sides of the Safety Alert Seat will pulse five times.



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Press the follow distance gap button to select a follow distance gap (or time) setting for ACC of Far, Medium, or Near.

Active Emergency Braking System

If the vehicle has Adaptive Cruise Control (ACC) it also has the Active Emergency Braking System, which includes the Automatic Collision Preparation (ACP) System. ACP may help reduce crash damage by applying the vehicle's brake system and has a detection range of approximately 197 ft (60 m). Braking can only occur if a vehicle is detected ahead.

Forward Collision Alert (FCA) System

Notice: FCA is a warning system only and does not apply the brakes.



3610633

The Forward Collision Alert (FCA) system may help to avoid or reduce the harm caused by front-end crashes. FCA provides a flashing red collision alert symbol on the HUD, and beeps or pulses the Safety Alert Seat when approaching a vehicle directly ahead too quickly.

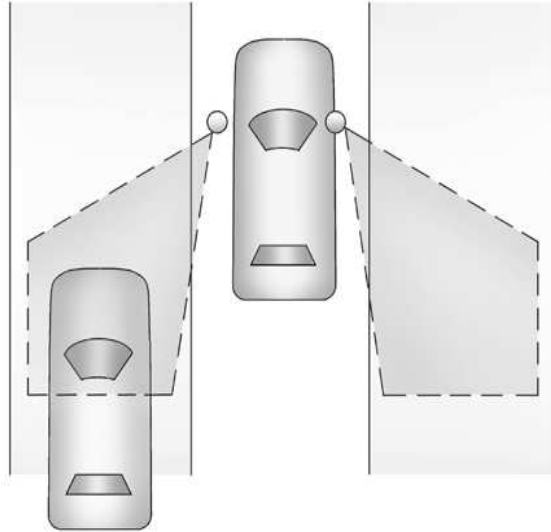
FCA detects vehicles within a distance of approximately 197 ft (60 m) and operates at speeds above 25 mph (40 km/h). If the vehicle has ACC, it can detect vehicles to distances of approximately 360 ft (110 m).

Tailgating Alert

The vehicle-ahead indicator will display amber when you are following a vehicle ahead too closely.

Side Blind Zone Alert (SBZA)

The Side Blind Zone Alert system is a lane-changing aid that assists drivers with avoiding crashes that occur with vehicles in the side blind zone (or spot) areas. When the vehicle is moving forward, the left- or right-side mirror symbol will illuminate if a vehicle is detected in that blind zone. If the turn signal is activated and a vehicle is also detected on the same side, the symbol will flash as an extra warning not to change lanes. **SBZA is part of the Lane Change Alert (LCA) System.**

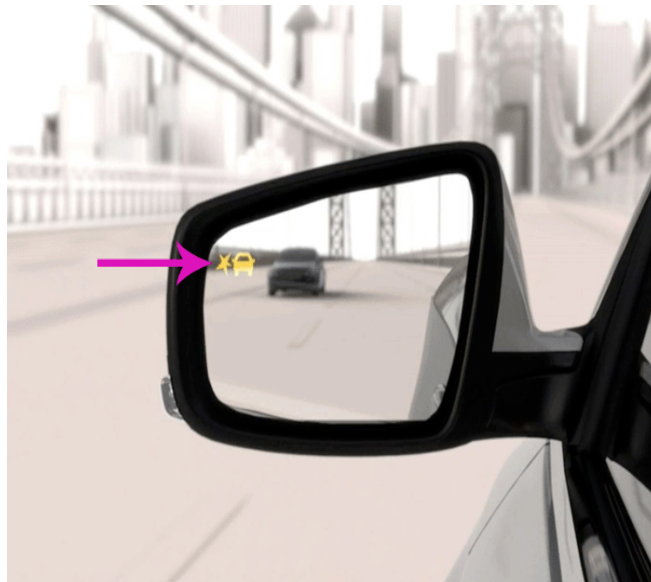


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The SBZA sensors cover a detection zone from approximately the middle of the vehicle, one lane over from both sides of the vehicle, approximately 11 ft (3.5 m) and extends rearward approximately 16 ft (5 m). The height of the zone is approximately between 1.5 ft (0.5 m) and 6 ft (2 m) off the ground.

Lane Change Alert (LCA)

The Lane Change Alert (LCA) system is a lane-changing aid that assists drivers with avoiding lane change crashes that occur with vehicles in the side blind zone (or spot) areas or with vehicles rapidly approaching these areas from behind from up to 230 ft (70m) behind the vehicle. The LCA sensor covers a zone of approximately one lane over from both sides of the vehicle, 11 ft (3.5 m). The height of the zone is approximately between 1.5 ft (0.5 m) and 6 ft (2 m) off the ground.



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The LCA warning symbol will illuminate in the corresponding outside side mirror and will **FLASH** if the turn signal is **ON**. An illuminated or flashing LCA symbol indicates it may be unsafe to change lanes.

Lane Departure Warning (LDW)

LDW may help avoid crashes due to unintentional lane departures. It may provide a warning if the vehicle is crossing a detected lane marking without using a turn signal. LDW uses a camera sensor to detect the lane markings. LDW only operates at speeds of 35 mph (56 km/h) or greater.

Notice: LDW will not warn if the turn signal is ON or if a sharp maneuver is made.

When the vehicle is started, the LDW symbol in the instrument cluster will turn **ON** briefly.



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If LDW is **ON**, the LDW symbol will appear green if the vehicle is traveling greater than 35 mph (56 km/h) and the system detects a left or right lane marking. When the vehicle crosses a detected lane marking without using the turn signal, this symbol will change to amber and **FLASH**. In addition, three beeps will be sounded from the left or right side, or three Safety Alert Seat pulses will occur on the left or right side of the seat, depending on depending on the lane departure direction.

Active Emergency Braking System

If the vehicle has Adaptive Cruise Control (ACC) it also has the Active Emergency Braking System, which includes the Automatic Collision Preparation (ACP) System.

Automatic Collision Preparation (ACP) System

Notice: ACP is an emergency crash preparation feature and is not designed to avoid crashes. DO NOT rely on ACP to brake the vehicle.

ACP may help reduce crash damage by applying the vehicle's brake system and has a detection range of approximately 197 ft (60 m). Braking can only occur if a vehicle is detected ahead. This is shown by the FCA vehicle-ahead symbol being illuminated.

- **Brake Preparation:** When quickly approaching a vehicle ahead, Brake Preparation reduces brake response time by having the brake system prepared for driver braking to occur more rapidly.
- **Automatic Braking:** Automatic Braking applies the brakes, even if the driver has not applied the brakes, in many imminent front-end crash situations to help reduce crash damage. It may even help avoid some crashes at very low speeds. Automatic Braking may slow the vehicle to a complete stop to try to avoid a potential crash. A firm press of the accelerator pedal will release Automatic Braking.

Ultrasonic Rear Parking Assist (URPA)

With Ultrasonic Rear Parking Assist (URPA), as the vehicle backs up at speeds of less than 5 mph (8 km/h), the sensors on the rear bumper detect objects up to 8 ft (2.5 m) behind the vehicle that are within a zone 10 in (25 cm) high off the ground and below bumper level.



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A warning triangle may display on the RVC screen to show where the Ultrasonic Rear Parking Assist (URPA) has detected an object. This triangle changes from amber to red and increases in size the closer the object.

The vehicle may have instrument cluster parking assist display with bars that show "distance to object" and object location information for URPA. As the object gets closer, more bars light up and the bars change color from yellow to amber to red. When an object is first detected, one beep will be heard from the rear, or both sides of the Safety Alert Seat will pulse two times. When an object is very close, less than 2 ft (0.6 m), five beeps will sound, or both sides of the Safety Alert Seat will pulse five times.

Assistance Systems for Parking or Backing / Rear Cross Traffic Alert (RCTA)

Available Rear Cross Traffic Alert (RCTA) technology uses radar to detect vehicles approaching from the rear of the Lacrosse. When the vehicle is shifted into **R** (Reverse), the Rear Vision Camera (RVC) displays an image of the area behind the vehicle on the Color Touch Radio screen, and an audio alert sounds when a vehicle comes within 66 ft (20 m) on either side.

In vehicles equipped with the available Safety Alert Seat, drivers can choose either an audio alert or safety seat alert. With the latter, vibrations to the left or right side of the driver's seat signal the direction of approaching traffic.



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Displayed images may be farther or closer than they appear. The area displayed is limited and objects that are close to either corner of the bumper or under the bumper do not display. A warning triangle may display on the RVC screen to show where the RCTA has detected an object. This triangle changes from amber to red and increases in size the closer the object.

Rear Vision Camera (RVC) With Dynamic Guidelines

Using the display in the Color Touch Radio screen, with dynamic guidelines laid over the video image, a natural view of objects directly behind the vehicle are provided. The image can be used to assist in parking maneuvers.

Safety Alert Seat



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In vehicles equipped with the available Safety Alert Seat, drivers can choose either an audio alert or vibrations from the safety alert seat. With the latter, when backing up vibrations to the left or right side of the driver's seat signal the direction of approaching traffic. Other Driver Assistance/Safety Systems will vibrate both sides of the safety alert seat. To select audible beeps or seat vibrations, refer to Vehicle Personalization in the Owner Manual.

Rear Window / Defogger Grid - Antenna Grid / Multi-Band Antenna

Defogger Grid

When auto rear defog is selected, the rear window defogger turns **ON** automatically when the interior temperature is cold and the outside temperature is about 40°F (4°C) and colder. The auto rear defogger turns **OFF** automatically after about 10 minutes, or after 5 minutes if the outside temperature is not as cold. If the vehicle is equipped with heated outside rearview mirrors, they turn **ON** when the rear window defogger button is **ON** and help to clear fog or frost from the surface of the mirror.

AM-FM Antenna Grid

The upper region of gridlines on the rear window are antenna lines and are not intended to heat when the defogger is activated.

Multi-Band Antenna

The roof antenna is for OnStar®, SiriusXM® Satellite Radio, and the Global Positioning System (GPS). Keep clear of obstructions for clear reception. If the vehicle has a sunroof, and it is open, the reception can also be affected.

Towing A Disabled Vehicle

Notice: Please share this information with your towing providers.

Towing the Vehicle / Wheel Lift Tow Truck

Notice: Incorrectly towing a disabled vehicle may cause damage. The damage would not be covered by the vehicle warranty.

Have the vehicle towed on a **wheel lift tow truck**. A flatbed car carrier could damage the vehicle. The wheel lift tow truck must raise the rear of the vehicle and wheel dollies must be used to lift the front wheels off the ground.

Quality Pre-Delivery Inspection (PDI)

Please be sure to review the Pre-Delivery Inspection (PDI) and Completely Satisfied Delivery System (CSDS) forms published for this vehicle. There are several Special Inspection Items highlighted for this vehicle. Additionally the CSDS form has important customer education items that have been identified during the Captured Test Fleet process.

- United States Dealers should report any product issues via a Field Product Report (FPR). Refer to the latest version of Corporate Bulletin Number 02-00-89-002 Information for Dealers on How to Submit a Field Product Report.
- Canadian Dealers should report any product issues via a Product Information Report (PIR). Refer to the latest version of Corporate Bulletin Number 10-00-89-006 Information for Dealers on How to Submit a Product Information Report.

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