



File in Section: -

Bulletin No.: PI1110

Date: November, 2013

Service Bulletin

PRELIMINARY INFORMATION

Subject: 2014 Buick Regal New Model Features

Models: 2014 Buick Regal

2014 Buick Regal GS

Equipped with 4 CYL, 2.0L, DI, DOHC, VVT, DCVCP, Turbocharged Engine — RPO LTG and Hydra-Matic™ 6-Speed 6T70 Automatic Transmission — RPO M7U with AWD

Equipped with 4 CYL, 2.0L, DI, DOHC, VVT, DCVCP, Turbocharged Engine — RPO LTG and Hydra-Matic™ 6-Speed 6T70 Automatic Transmission — RPO M7W with FWD

Equipped with 4 CYL, 2.0L, DI, DOHC, VVT, DCVCP, Turbocharged Engine — RPO LTG and 6-Speed GM F40-6 Manual Transmission — RPO MR6 with FWD (GS Models Only)

Equipped with 4 CYL, 2.4L, DI, DOHC, CVVT, eAssist Engine — RPO LUK and Hydra-Matic™ 6-Speed 6T40 Automatic Transmission — RPO MHH with FWD

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 Regal and Regal GS new model features.

Vehicle Overview

The new 2014 Regal/GS is a sportier and smarter evolution of the brand's dynamic midsize sedan. New, purposeful technologies enhance safety and the driving experience with a more refined turbo engine – along with the introduction and availability of Haldex all-wheel drive (AWD). New front and rear styling including new headlamps and a revised grille, with available wing-shape LED daytime running lamps and standard LED wing-shape taillamps, were designed to give Regal a more contemporary and premium presence. A new chrome accent bridges the taillamps to further enhance the vehicle's wide stance. The new headlamps are available in two versions, including halogen projector beams and xenon high intensity discharge (HID).

The interior features a redesigned central instrument panel and console. In-vehicle connectivity is enhanced with standard 8-inch (203 mm) high resolution color touch screen radio with next-generation Buick IntelliLink, AM/FM/SiriusXM® Radio (three months of trial service), CD player, auxiliary (AUX) input jack, USB port, Bluetooth® wireless connectivity for select smartphones, all featuring simpler, more intuitive controls and natural speech recognition. The instrument cluster is new, with a high resolution 4.2-inch color display that provides vehicle information, navigation, audio system functions, phone features and more. The Regal GS comes standard with an 8-inch (203 mm) configurable color instrument cluster screen that the driver can customize using the steering wheel controls.

New radar and camera based safety features on the vehicle are available in two different Driver Confidence Packages and depending on the equipment ordered may include: Rear Cross Traffic Alert (RCTA), Lane Change Alert (LCA), Side Blind Zone Alert (SBZA), Lane Departure Warning (LDW), Forward Collision Alert (FCA), Collision Preparation with Collision Mitigation Braking and full-speed-range Adaptive Cruise Control (ACC), which senses traffic in front of the vehicle in order to adjust vehicle speed, including stopping the vehicle in heavy traffic and accelerating again.

- The new 2.0L turbo four-cylinder engine is standard on Regal and delivers 18 percent more horsepower than the 2013 Regal Turbo for a greater feeling of on-demand power.
- A 2.4L engine with eAssist light electrification technology is also available on the 2014 Regal (FWD Premium I (1SN) model only).

Additional standard features on all trims include:

- Six air bags, including side curtain air bags
- StabiliTrak® electronic stability control with full-function traction control
- Four-wheel anti-lock brakes with Intelligent Brake Assist
- OnStar® (with six months of Directions and Connections service)
- Fog lamps
- Cruise control
- Power windows with driver and front passenger express up/down
- Dual-zone automatic climate control

- Eight-inch high resolution color touch screen radio with Buick IntelliLink, AM/FM/SiriusXM® (three months of trial service), CD player and AUX input jack, USB port and Bluetooth® wireless connectivity for select smartphones
- Leather Seating
- Heated driver and passenger front seats
- Twelve-way power driver's seat
- Auto-dimming inside rearview mirror
- Electric parking brake (EPB)
- Ice blue ambient lighting
- Buick QuietTuning™ technology

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) and Following Distance Indicator.

Driver Confidence 2 Package

The Driver Confidence 2 Package adds: Collision Preparation which includes Collision Mitigation Braking and full speed range Adaptive Cruise Control (ACC).

Available Product Training

The majority of the systems found on the vehicle 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	#50547.09W 2014 Buick Regal New Model Features - WBT Course (Available December 2013) #16041.09W Battery, Charging and Starting Systems #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 #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) #18400.30W Introduction to Hybrid and Electric Vehicles #18440.01W High Voltage System Safety
Engines 4 CYL, 2.0L, DI, Aluminum, DOHC, VVT, DCVCP, Turbocharged — RPO LTG 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 #16044.20 SIDI - Virtual Classroom Training (VCT)

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

Course Name - System RPO	Course Number and Description
	#16050.12D 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) #16040.30W 12V Stop / Start System
Transmissions Transmission, 6-Speed Automatic, Electronically Controlled 6T70, FWD — RPO M7W Transmission, 6-Speed Automatic, HMD, GM, BAS+, 6T40, Hybrid, FWD — RPO MHH Transmission, 6-speed Manual, F40-6 — RPO MR6	#17041.56 Automatic Transmission Operation, Diagnosis and Service #17041.65H 6-Speed Automatic Transmission Service #17036.16H 6T70 Transmission Overhaul & Diagnosis (Canada) #17043.38 FWD/RWD Operation, Diagnosis and Service
Brakes Brake System-Power, Front & Rear Disc, ABS — RPO J61 Brake Parking-Power Operated — RPO J71	#15045.18W1 & W2 GM Braking Systems 1 & 2 #15045.18W3 & W4 GM Braking Systems 3 & 4 #15045.14T1 GM Electric Parking Brakes #18044.25 Body Electrical Accessory Systems #18050.16H Global Electrical Diagnosis and Service Certification (Canada)
Air Bags Air Bags — RPO AW7 or AY0	#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 #13041.15W-R2 & W2 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 R3 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 R3 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	#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 Parking Assist - RPO UD7 Sensor-Collision Avoidance & Mitigation, Vehicle Forward Movement, Brake Prefill & Intelligent Brake Assist - RPO UGN Sensor Indicator-Rear Cross Traffic Alert - RPO UFG Cruise Control-Automatic, Adaptive, With STOP/GO – RPO KSG	

Dexos1™ Engine Oil Specification — Recommended Viscosity



3511747



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.

ACDelco™ dexos1™ Synthetic Blend SAE 5W-30 is recommended.

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>

Engines

2.0L Turbocharged (TC) Four Cylinder Engine

A new 2.0L turbo four-cylinder engine debuts as the standard powertrain in the 2014 Regal and Regal GS. Although it shares the same displacement as the previous turbocharged engines offered in the Regal, it is a next-generation architecture with friction-reduction technologies designed to enhance refinements on a variety of levels. With its SAE-certified 259 horsepower (193 kW), the new 2.0L turbo's torque curve has been enhanced, delivering 90 percent of its peak torque of 260 lb-ft (353 Nm) from 1,700 rpm to 5,500 rpm and the full peak torque of 295 lb-ft (400 Nm) from 3,000 to 4,000 rpm in the Regal. For the Regal GS, peak torque is reached at 2,500 rpm and is maintained through 4,000 rpm. These broad torque bands are supported by boost levels as high as 24 psi (1.65 bar) in the speed range, engineered to give feelings of immediate power on demand.

The turbocharger features a twin-scroll design that uses exhaust tuning to generate balance between maximum power and turbo response. This design supports the responsiveness associated with larger-displacement, naturally aspirated performance engines. Boost is controlled electronically with a pressure-actuated wastegate and the airflow is controlled during transients with an electronic bypass valve. Those controls enable optimal performance, throttle response and efficiency.

Additional Engine Features Include:

- Pistons with jet-spray cooling
- Rotocast 356T aluminum cylinder head
- Sodium filled exhaust valves
- Dual overhead camshaft (DOHC) with continuously variable valve timing (CVVT)
- Direct injection (DI) with cam driven high pressure fuel pump
- Two-stage variable displacement oil pump
- Air-to-air intercooling system

Engine Noise and Vibration Reduction Features Include:

- Balance shafts located in the oil pan
- A forged-steel crankshaft
- Inverted-tooth chains for the camshaft and balance shaft drives
- Two piece oil pan design, with an aluminum upper section to provide structural support and a stamped steel lower section to dampen overall noise
- Cast iron bearing cap inserts in an aluminum bedplate
- Integrated sound cover on the intake manifold
- Structural engine covers

2.4L eAssist Four Cylinder Engine

The 2014 Regal is also available with the 2.4L with eAssist light electrification technology, using a lithium-ion battery system and electric motor-generator to enable regenerative braking capability. Instead of providing all-electric propulsion, the system provides power assistance to the internal combustion engine.

Vehicles with eAssist have an automatic (auto) engine start/stop feature. After the engine has started and reached operating temperature the auto stop feature may cause the engine to turn **OFF** when brakes are applied and the vehicle has come to a complete stop. When the brake is released or the accelerator pedal applied, the engine will start. The engine will continue to run until the next auto stop or until the ignition switch is turned **OFF**. The eAssist system also allows the engine to shut down fuel delivery in certain deceleration situations, which saves additional fuel.

The added electric power provided by the eAssist system allows for higher gearing to improve steady state efficiency without impacting acceleration performance or driveability. The system's capability of providing up to 11 kW of electric power assist at cruising speeds allows the driver to accelerate lightly, ascend mild grades without the transmission downshifting and helps performance during wide open throttle maneuvers.

All Wheel Drive

The 2014 Regal (2.0L turbo only) and Regal GS are offered with a new, all-wheel-drive (AWD) system designed to make the most of handling and stability in all driving conditions. It is an advanced, fully automatic and on-demand system that includes developments in wheel slip management and an electronic limited-slip rear differential (eLSD).

Input from a variety of sensors such as wheel speed, steering angle, etc. – automatically tailors the torque distribution between the front and rear wheels for maximum traction. The eLSD enables adjustment to the torque split between the rear wheels to optimize vehicle stability and cornering capability. If the vehicle's front wheels lose traction, the AWD system is capable of sending more than 90 percent of the engine's torque to the rear wheels. Fine balancing of the drive torque between the axles raises the threshold at which StabiliTrak's throttle and braking interventions are triggered, enabling closer driver interaction.

While engineered to offer sure-footed handling in low-grip conditions, the AWD system also alters its characteristics to support performance oriented driving when the Sport or GS driving modes are selected on Regal GS. The AWD system also comes standard with the HiPer Strut front suspension, offering more linear and communicative steering through improved camber control and improved impact isolation on bumps and rough surfaces.

This AWD system also contributes to a quieter and smoother ride with minimal torque transferred to the rear wheels when all-wheel-drive traction isn't required.

Buick's Next-Generation IntelliLink / 8-Inch (203 mm) Diagonal Color Touch Screen / Infotainment Features / Connectivity / Bluetooth® Enabled Devices



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The 2014 Regal is equipped with 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 (203 mm) diagonal Color Touch Screen with swipe-and-drag functionality puts control at your fingertips. It also features natural language voice recognition (in Canada, Enhanced 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 IntelliLink 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. 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 Regal is equipped with available embedded navigation (RPO — IO6) 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 SiriusXM Travel Link® (if equipped) 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 a new nine speaker system – including strategically placed tweeters and a subwoofer – the system was developed to complement the Regal's quiet, acoustically optimized interior with rich sound.

Infotainment Features / Connectivity

- A high resolution 8-inch (203 mm) 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 (120 channels in Canada), 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 (in Canada Go to: www.siriusxm.ca)

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®). HD Radio™ is currently not available in Canada.
- Real-time alerts for specific Artist/Programming content across all SiriusXM® channels.



3610555

- 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/

Power Outlet 110 Volt Alternating Current



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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 Regal 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.

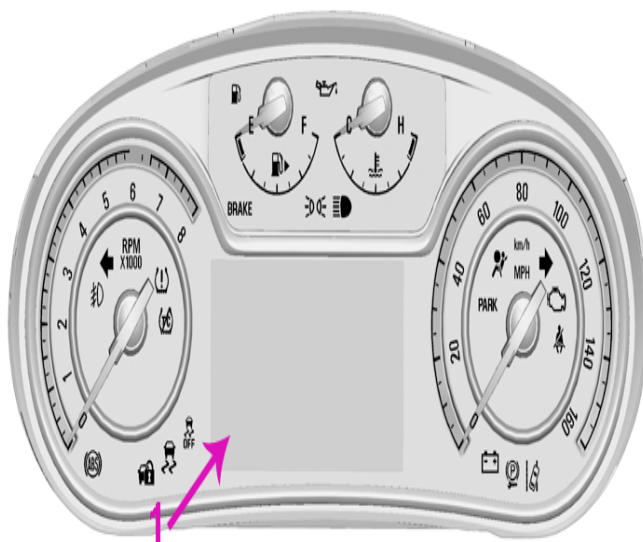
Electrical Architecture

Global Diagnostic System 2 (GDS 2)

The 2014 Regal 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) — Base Level Cluster



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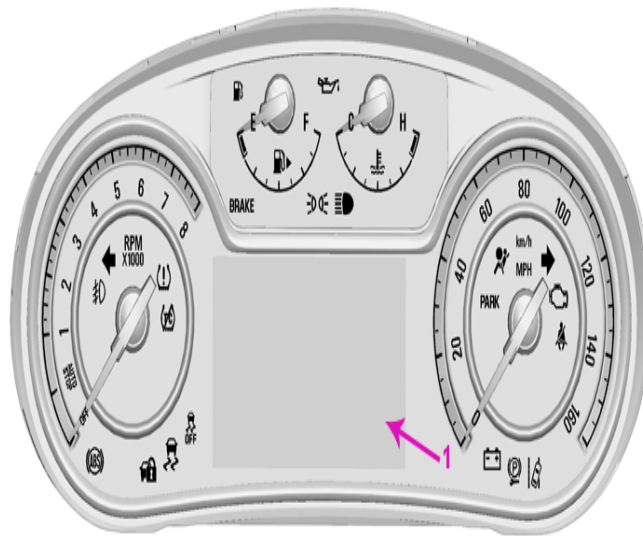
Base Cluster English shown, metric similar

There is an interactive display area (1) in the **center** of the instrument cluster. 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.

Use the right steering wheel control pad to open and scroll through the different items and displays.

Press to access the cluster applications. Use or to scroll through the list of available applications. Not all applications will be available on all vehicles.

- Info App. This is where the selected Driver Information Center (DIC) displays are viewed. The Info App is only available when the vehicle is in **ON/RUN**.
- Audio
- Phone
- Navigation
- Settings



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English eAssist Shown, Metric eAssist Similar

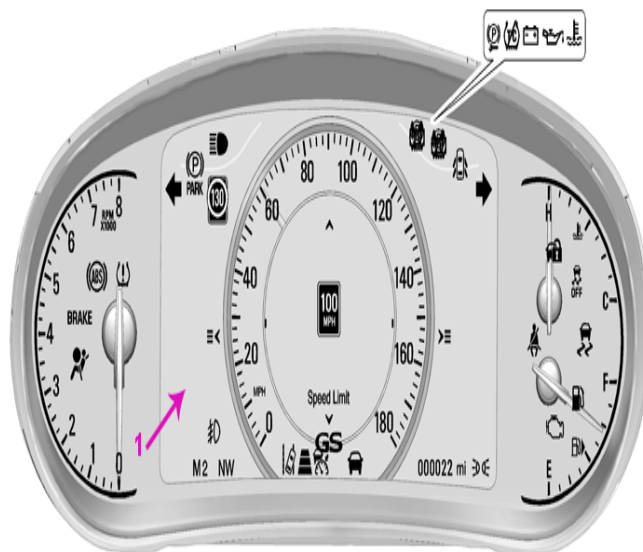
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- Audio
- Phone
- Navigation
- Settings

Driver Information Center (DIC) — Uplevel Cluster



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Uplevel Cluster

There is an interactive display area (1) in the **center** of the instrument cluster. 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.

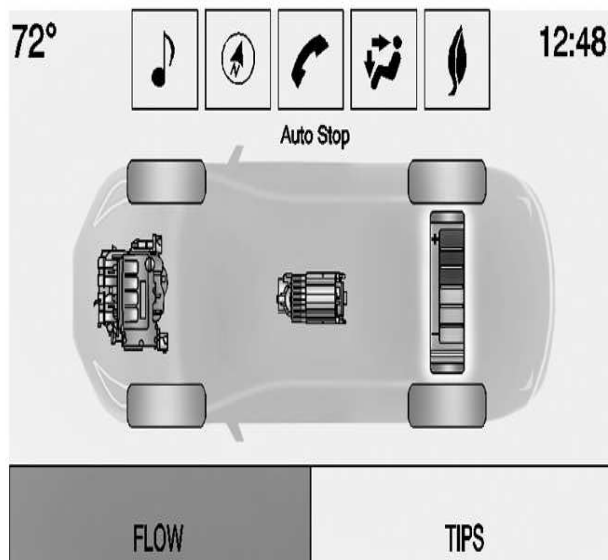
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- Info App. This is where the selected Driver Information Center (DIC) displays are viewed. The Info App is only available when the vehicle is in **ON/RUN**.
- Performance
- Audio
- Phone
- Navigation
- Settings

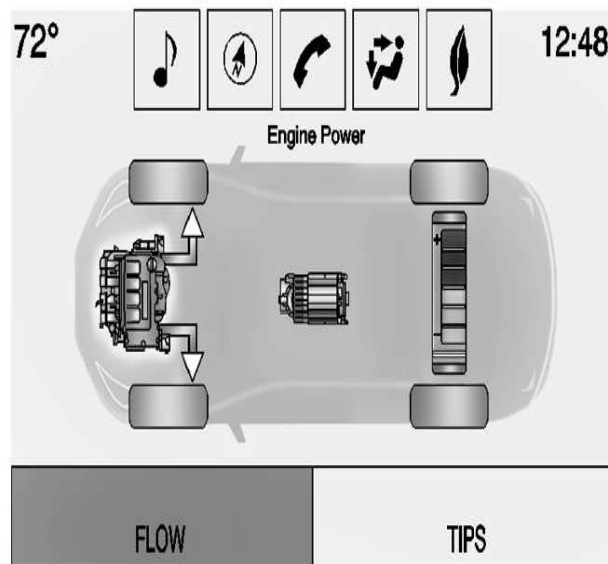
Power Flows (eAssist Only) Center Stack Display

To view the Power Flow screens in the center stack display, press the **Leaf** button on the Home screen or on the Application Tray on the top of the infotainment system touch screen. Then press the **Flow** button at the bottom of the touch screen. The screens indicate the current operating condition and the energy flow between the engine, generator and high voltage battery.



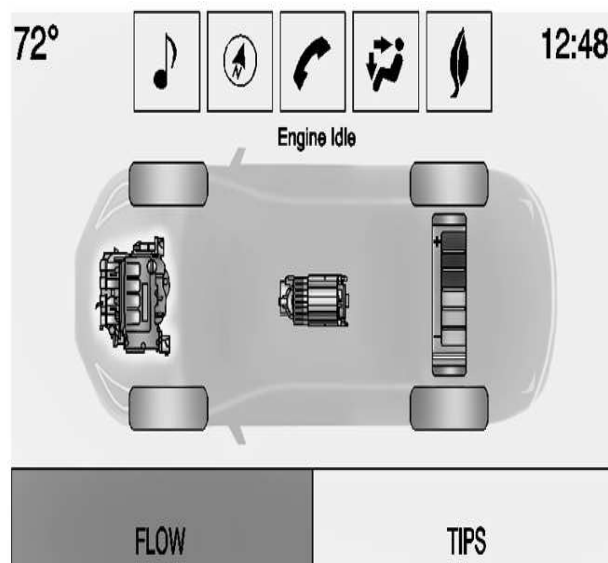
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Auto Stop - Vehicle is stationary with battery active and no power flowing to the wheels.



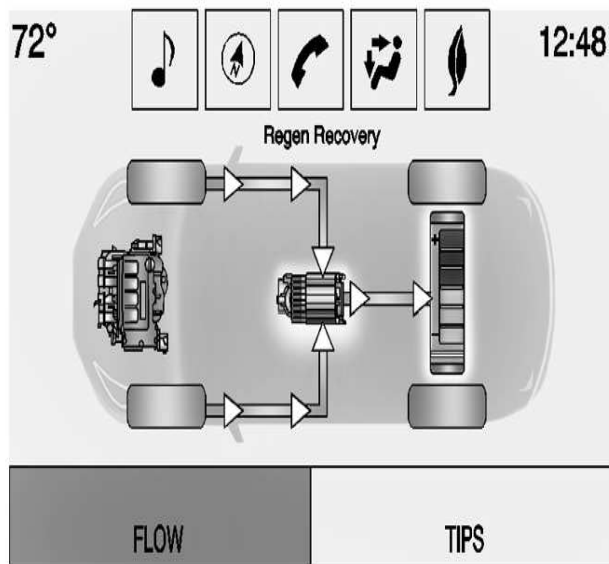
3648083

Engine Power - Engine is active with energy flowing to the wheels.



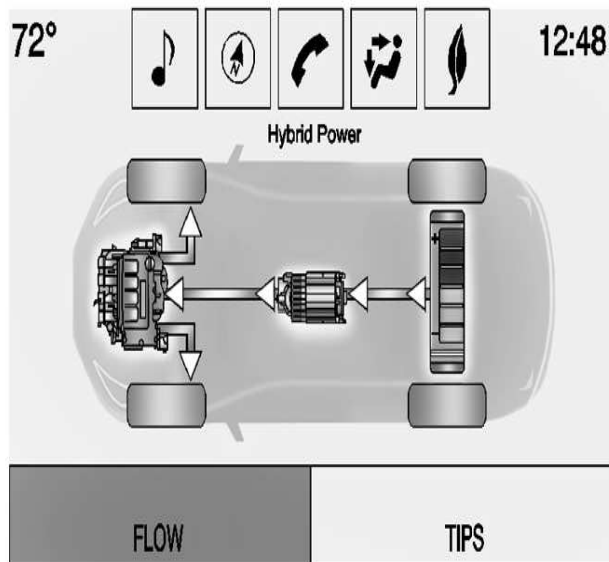
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Engine Idle - Vehicle is stationary with engine active and no power flowing to the wheels.



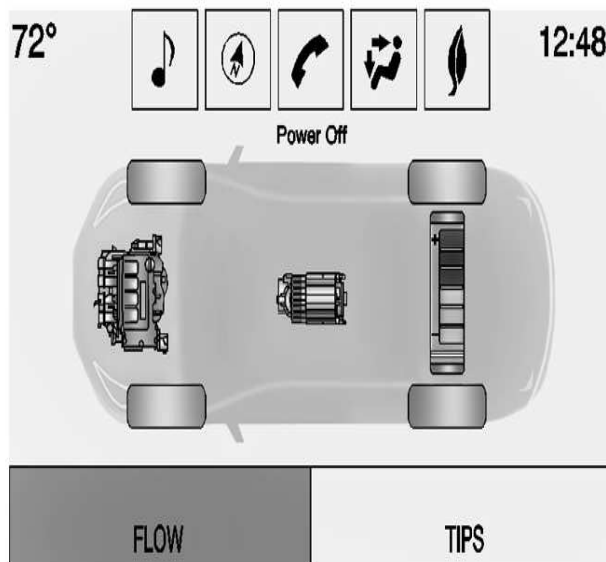
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Regen Recovery - Power from the wheels returns to the battery during regenerative braking or coasting.



3648094

Hybrid Power - Both the engine and battery are active with energy flowing to the wheels.



3648097

Power Off - No power flowing to the wheels.

To view the Efficiency **TIPS** screen on the center stack display, press the **Leaf** button on the Home screen or on the Application Tray on the top of the infotainment system touch screen. Then press the **TIPS** button at the bottom of the touch screen. The Efficiency **TIPS** screen provides a guide on how to improve energy usage to increase fuel economy.

Buick's QuietTuning™ Technology

Buick's QuietTuning™ technology 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

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 the Vehicle Personalization Menus.

Safety and Crash Avoidance

The Regal 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.

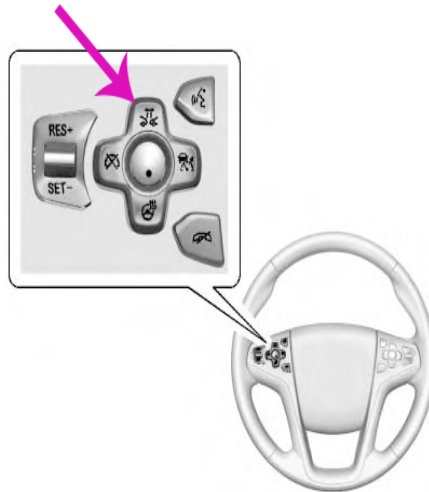
The safety features are available in packages, therefore not every vehicle will be equipped with every safety feature. The control and alert technologies are described in the following:

Adaptive Cruise Control (ACC) / Follow Distance Gap

If equipped with Adaptive Cruise Control (ACC), this feature allows the driver to select the cruise control set speed and **follow distance gap** of Far, Medium or Near. The ACC indicator displays on the instrument cluster. When ACC is active, the indicator turns green.

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.

If ACC is engaged, driver action may be required when ACC cannot apply sufficient braking because of approaching a vehicle too rapidly. When this condition occurs, the collision alert will display on the instrument cluster and eight beeps will sound from the front.



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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 Intelligent Brake Assist (IBA) and the Automatic Collision Preparation (ACP) System. IBA may activate when the brake pedal is applied quickly by providing a boost to braking based on the speed of approach and distance to a vehicle ahead. 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.

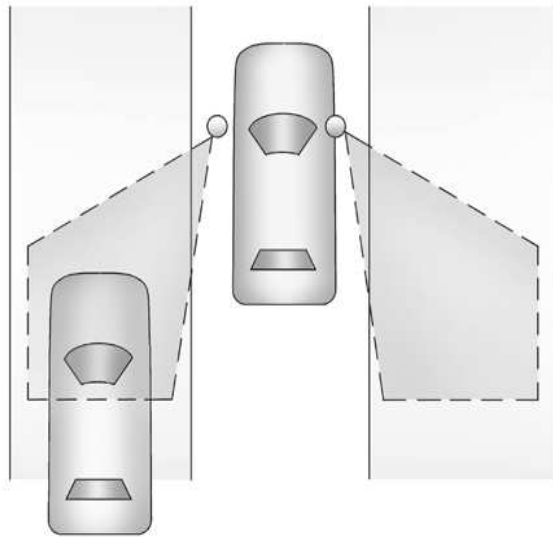
Forward Collision Alert (FCA) System

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

The Forward Collision Alert (FCA) system may help to avoid or reduce the harm caused by front-end crashes. When your vehicle approaches another vehicle too rapidly, the FCA display will turn **ON** and several beeps will sound from the front. 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).

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.

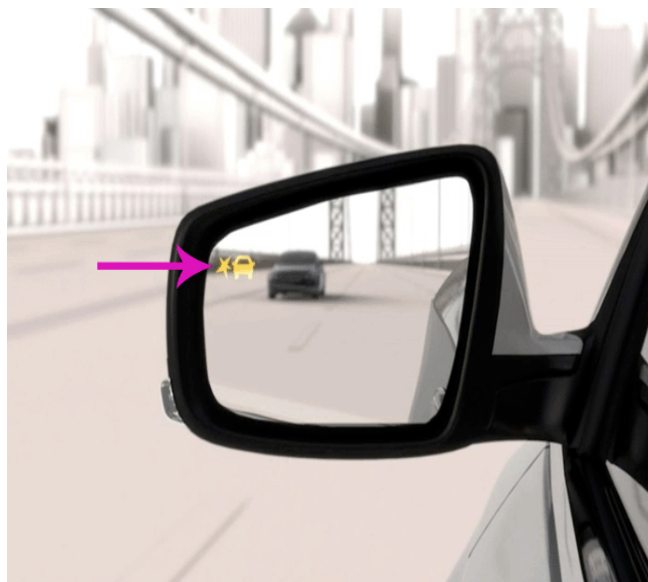


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The SBZA sensors cover a detection zone from approximately the middle of the vehicle, one lane over from both sides of the vehicle, approximately 11 ft (3.5 m) and extends rearward approximately 16 ft (5 m). The height of the zone is approximately 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 the lane departure direction.

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.

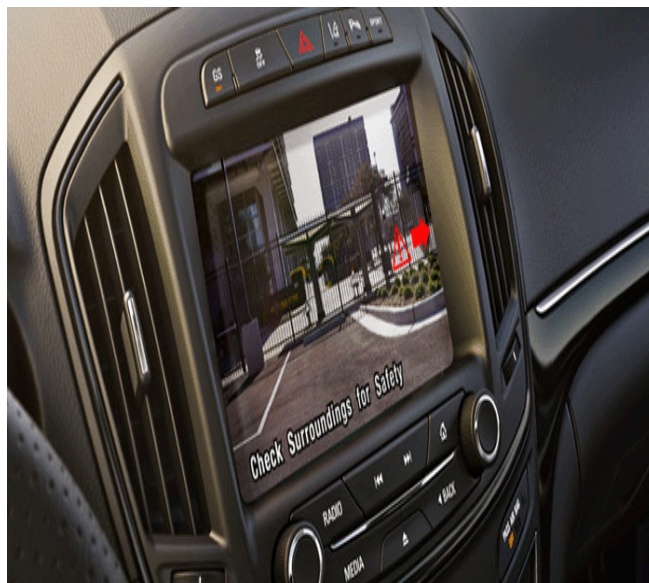


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A warning triangle may display on the RVC screen to show where the Ultrasonic Rear Parking Assist (URPA) has detected an object. This triangle changes from amber to red and increases in size the closer the object.

Rear Cross Traffic Alert (RCTA)

Rear Cross Traffic Alert (RCTA) technology uses radar to detect vehicles approaching from the rear of the vehicle. 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.



3649314

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)

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

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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