



File in Section: -

Bulletin No.: PI0804

Date: September, 2012

Service Bulletin

PRELIMINARY INFORMATION

Subject: Cadillac ATS New Model Features and Service Guide

Models: 2013 Cadillac ATS
Equipped with Engine 2.0L RPO LTG, 2.5L RPO LCV or 3.6L RPO LFX
Equipped with 6-Speed 6L45 Automatic Transmission RPO MYA or 6-Speed Manual
Transmission TREMEC (TR3160) RPO M3L
Equipped with Rear Wheel Drive or All Wheel Drive



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This is a special bulletin to introduce the 2013 Cadillac ATS, an all new four-door compact luxury segment sports sedan intended to challenge the world's best premium cars. The vehicle will be built exclusively at one of GM's newest facilities in North America, the Lansing Grand River Assembly Plant in Lansing, Michigan.

The purpose of this bulletin is to help the Service and Sales Department personnel become familiar with the new vehicle's features and describe the action the Service Department personnel will need to take to ensure that they are able to fully service this vehicle.

About the Vehicle

The ATS is available in four distinct equipment packages: Standard, Luxury, Performance and Premium.

The ATS is available with a choice of three powerful and efficient direct-injected engines coupled with a 6-speed automatic or a 6-speed manual transmission (2.0L Turbo only) and standard rear-wheel-drive (RWD) or available all-wheel-drive (AWD). The available engines are as follows:

- The Turbocharged (TC) 4-cylinder 2.0L with Variable Valve Timing (VVT) and Direct Injection (DI) - RPO LTG
- The 4-cylinder 2.5L with Variable Valve Timing (VVT) and Direct Injection (DI) - RPO LCV
- The 6-cylinder 3.6L with Variable Valve Timing (VVT) and Direct Injection (DI) - RPO LFX

Key Features

StabiliTrak® electronic stability control is standard on all models. StabiliTrak® assists with directional control of the vehicle in difficult driving conditions.

- The front suspension system has precise and responsive multi-link double-pivot MacPherson-struts with direct acting stabilizer bar.
- The rear suspension system is Cadillac's first five-link rear suspension using specially engineered, high-strength steel with efficient straight link designs and lightening holes.
- The RPO FE3 Sport Suspension System, includes segment-exclusive Magnetic Ride Control (MRC) real-time damping.

Both the RPO FE2 and RPO FE3 suspensions utilize the following driver-selectable driving modes:

- Touring - Normal Driving Conditions
- Sport - More Aggressive Driving
- Snow/Ice - Slippery Conditions
- A rear cast iron differential housing.
- Speed-proportional, belt-driven, electric variable effort steering gear from ZF Steering Systems.
- Standard 4-wheel disc brakes, ventilated rotors, four-channel antilock brakes and the Auto Dry brake feature. Available Brembo high-performance front brake 4-piston calipers. All disc brake rotors have been manufactured using the GM exclusive Ferritic Nitro-Carburizing (FNC) corrosion protection process.
- The electric parking brake (EPB) is included with the Tremec 6-speed manual transmission or the Driver Assist Package RPO Y66. The switch for the EPB is on the center console for vehicles with a manual transmission, and on the left side of the instrument panel for vehicles with an automatic transmission. The EPB can always be activated, even if the ignition is OFF. To prevent draining the battery, avoid repeated cycles of the EPB system when the engine is not running.
- 17-inch or 18-inch factory wheels.
- Available Cadillac CUE, a comprehensive, in-vehicle user experience that merges intuitive design with industry-first controls and commands for information and media data.

Cadillac Premium Care Maintenance / New Vehicle Limited Warranty

The ATS model comes with the Cadillac Premium Care Maintenance program. It is a program designed to provide the customer with peace of mind by covering select required maintenance during the first four years or 50,000 miles (80,000 km) of the vehicle's operation. It aligns with the terms of our 4-years or 50,000 mile bumper-to-bumper New Vehicle Limited Warranty, in Canada 4-years 80,000 km, and is fully transferable.

Cadillac Premium Care Maintenance covers routine maintenance during the first 4-years or 50,000 miles (80,000 km) and includes the following:

- Oil changes based on the Oil Life Monitoring System.
- Tire rotation every 7,500 miles (12,000 km).
- Engine air cleaner filter replacement.
- Passenger compartment air filter replacement.
- Multi-Point Vehicle Inspection (MPVI).

Transferable Powertrain Limited Warranty / Roadside Assistance and Courtesy Transportation

All Cadillac models come backed with a 6-year or 70,000 mile (110,000 km) Transferable Powertrain Limited Warranty. This means if the owner needs warranty repairs to their engine, transmission or drive system in the first 6-years or 70,000 miles (110,000 km), Cadillac has them covered.

If the vehicle needs service, there is 24/7 Roadside Assistance and Courtesy Transportation with the same coverage of 6-years or 70,000 miles (110,000 km).

Available Product Training

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

To access **all** of the available ATS Training Courses visit the following website:

- In the United States go to > www.gmtraining.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 #16044.16 GM Powertrain 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 #16048.27V GDS 2 Diagnostics (Canada) #16039.16H GDS 2 Certification (Canada) #17041.56 Automatic Transmission Operation, Diagnosis and Service #14043.17 Passenger Car All-Wheel Drive (Base Curriculum)
January 2012 Emerging Issues	#10212.07D (VOD) — (VOD July Broadcast as it Applies to the ATS for the R-1234yf Refrigerant) (Early Production Vehicles)
Cadillac ATS New Model Features	#10313.95W 2013 Cadillac ATS New Model Launch # 50540.09W (Canada)
Air Bags - RPO AYF or AYG Depending on the Equipment Package - This Vehicle Comes Equipped With Either: – 8 Air Bags RPO AYG – 10 Air Bags RPO AYF	#12340.10 Dual Stage Air Bag System #22048.42 GM Safety Systems
HVAC System - Air Conditioning - RPO CJ2 (Some Vehicles May be Equipped with R134a Refrigerant)	#11044.04 HVAC Systems #11044.05 HVAC Systems and Operation. (VCT and HO Training Available by January 2013). #11045.07V R1234yf Refrigerant Tools and Procedures (Includes New Refrigerant Equipment and Procedures)
Transaxle / Transmission	#17041.48W Automatic Transmission Gearsets
Engine - 2.0L Turbocharged DOHC with Spark Ignition Direct Injection (SIDI), Variable Valve Timing (VVT) Engine - 2.5L DOHC with Spark Ignition Direct Injection (SIDI), Variable Valve Timing (VVT) Engine - 3.6L DOHC with Spark Ignition Direct Injection (SIDI), Variable Valve Timing (VVT)	#16043.52 Engine Mechanical Diagnostics and Measurements #16044.21 GM Powertrain Performance #16044.20 SIDI - Virtual Classroom Training (VCT) #16440.17D Engines (VCT): New and Updated for RPO's LCV and LTG
Transmission - 6-Speed Automatic, Electronically Controlled with Overdrive Transmission - 6-Speed TREMEC Manual F46 Chassis AWD Transmission	#17041.65 6-Speed Automatic Transmission Mechanical Service #17041.56 Automatic Transmission Operation, Diagnosis and Service #17043.45V RPO M3L 6-Speed TREMEC Manual Transmission #14043.17 Passenger Car All-Wheel Drive (Base Curriculum)
Power Steering Power Steering Rack and Pinion ZF Premium Electric with Variable Assist	#13041.12T2 Electric Power Steering Systems #13041.13T1 Rack-Mount Electric Steering #13041.15 GM Steering Systems and Diagnosis (New)
OnStar® OnStar® Generation 9 TechAssist Course	#19040.37 OnStar® Systems and Technology #19040.38T1 OnStar® Systems and Technology
Rear Parking Assist - RPO UD7	#22048.42 GM Safety Systems

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

Course Name - System RPO	Course Number and Description
Entertainment - Audio Systems	#19047.20W2 R2 Entertainment Systems 2 (Including MOST) Network #19047.20W3 Entertainment Systems 3 #19047.22D Infotainment Operation, Diagnosis and Service (VCT)
Notice: These are Sales Based Training Courses That Are Available to United States Dealers. Cadillac User Experience (CUE)	#B60C1.013D Cadillac CUE Overview (Part 1) #B60C1.013D-0D Cadillac CUE Overview (Part 1) (On Demand VCT) #B60C1.013D1 Introduction to Cadillac CUE #B60C1.013D2 Understanding and Demonstrating Cadillac CUE #B60C1.013D3 Cadillac CUE Overview (Part 2) #B60C1.013D3-0D Cadillac CUE Overview (Part 2) (On Demand VCT)
Notice: These are Sales Based Training Courses That Are Available to Dealers in Canada. This is a Ten Part On Demand - Virtual Classroom Training (OD-VCT) Program Series. Cadillac User Experience (CUE)	#KB60C1.013D1-0D GM Infotainment Technologies - Cadillac CUE 1 - Orientation #KB60C1.013D2-0D GM Infotainment Technologies - Cadillac CUE 2 - Phone Pairing #KB60C1.013D3-0D GM Infotainment Technologies - Cadillac CUE 3 - Using Your Phone #KB60C1.013D4-0D GM Infotainment Technologies - Cadillac CUE 4 - Bluetooth® Smart Phone and Devices #KB60C1.013D5-0D GM Infotainment Technologies - Cadillac CUE 5 - Interacting with CUE #KB60C1.013D6-0D GM Infotainment Technologies - Cadillac CUE 6 - Entertainment Features #KB60C1.013D7-0D GM Infotainment Technologies - Cadillac CUE 7 - The Settings Application #KB60C1.013D8-0D GM Infotainment Technologies - Cadillac CUE 8 - Climate Controls #KB60C1.013D9-0D GM Infotainment Technologies - Cadillac CUE 9 - Steering Wheel Controls #KB60C1.013D10-0D GM Infotainment Technologies - Cadillac CUE 10 - Navigation Basics
Tire Pressure Monitor - RPO UJM	#13044.20 GM Chassis Control Systems #13044.12T2 Tire Pressure Monitoring Systems Diagnosis
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
Theft Deterrent System - RPO UTJ	#19047.09W Entry and Security Systems
BRAKE PARKING - ELECTRONICALLY OPERATED - RPO J77	#15045.14T1 GM Electric Parking Brakes #18044.25 Body Electrical Accessory Systems
Chassis-Continuously Variable Real Time Damping-Magneto Rheological - RPO FE3 Suspension System - Sport	#13044.20 GM Chassis Control Systems #13044.16T1 Continuous Damping Control
Head Up Display (HUD)	ESS 2 Update (Available October, 2012)
Camera - Rear View - RPO UVC Sensor Indicator-Side Obstacle Detection (Side Blind Zone Alert) - RPO UFT	#22048.42W2 GM Safety Systems 2

Dexos 1™ Engine Oil



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Notice: Failure to use the recommended engine oil and correct viscosity or its equivalent can result in engine damage not covered by the vehicle warranty. Check with your dealer or service provider on whether the oil is approved to the dexos 1 specification.

Viscosity Grade

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

- SAE 5W-20 is the required viscosity grade for the 2.5L L4 engine.
- SAE 5W-30 is the required viscosity grade for the 2.0L L4 turbocharged engine and the 3.6L V6 engine.

Refer to this General Motors website for dexos 1™ information about the different licensed brands that are currently available: <http://www.gmdexos.com>

CUE System Availability

CUE Equipment Package Content

Model	Standard Infotainment	Available Infotainment
Standard	4.2 inch full-color LCD radio display, AM/FM/XM non-CUE w/ Bose premium 7-speaker audio	CUE w/ Bose premium 7-speaker audio CUE w/ Bose premium 10-speaker surround sound & remote disc player
Luxury	CUE w/ Bose premium 7-speaker audio	Navigation, Bose premium 10-speaker surround sound & remote disc player
Performance	CUE w/ Bose premium 10-speaker surround sound & remote disc player	Navigation
Premium	CUE w/ Navigation, Bose premium 10-speaker surround sound & remote disc player	-

Vehicles Equipped With the Standard Audio System Cannot Be Upgraded to the Cadillac User Experience (CUE)

Vehicles that came equipped with the standard audio system **cannot** be upgraded to the Cadillac User Experience (CUE).

The standard audio system differs from CUE as follows:

- It **does not** include a multi-touch full color screen with haptic feedback, gesture recognition or proximity sensing.
The standard audio system comes with a 4.2 inch full color LCD screen.
- It **does not** include apps or Bluetooth streaming audio.
- It **cannot** be ordered with navigation, although it does have OnStar® Turn-by-Turn navigation.

- It **does not** include a hidden storage bin or motorized faceplate.
- It **does not** include Natural Voice Recognition.

Cadillac's New Infotainment System / Cadillac User Experience (CUE)

Notice: Full functionality requires compatible Bluetooth and smartphone. Some devices require USB connectivity.

Cadillac's new infotainment system, the Cadillac User Experience (CUE) is included on the Luxury, Performance and Premium Collections. CUE is also available on the Standard model. CUE is a comprehensive in-vehicle experience that merges intuitive design with auto industry-first, controls and commands for information and media data. CUE borrows the gestures used on smart phones and tablets and brings them to a car, with home pages, less text, large icons and the ability to customize information.

Notice: ATS Vehicles Equipped With the Cadillac User Experience (CUE) Only

- Every 2013 Cadillac ATS purchased or leased in the United States will include the following with their new car as part of the customer experience:
 - An iPad® customized with the CUE App, the MyCadillac App and the OnStar® RemoteLink™ mobile application.
 - The ATS Owner Manual and the Cadillac CUE Infotainment System Manual in Adobe Reader.
Refer to this Cadillac website, for a CUE Introduction and Orientation video: <http://www.cadillac.com/cadillac-cue/using-cue.html>
- In Canada, the CUE Training App for iPad®, the MyCadillac App and the On Star® RemoteLink™ App are available for download from respective Android and Apple App stores.
Refer to this Cadillac Owner Centre website for additional information: http://www.gm.ca/gm/english/owner_centre/cadillac/home/overview
Refer to this Cadillac website, for a CUE Introduction and Orientation video: <http://www.cadillac.com/cadillac-cue/using-cue.html>

The CUE App enables shoppers to test drive the system on an iPad® anytime, anywhere. The CUE App replicates many of the controls and features of the CUE center stack.

Refer to the Cadillac CUE Infotainment System Owner Manual for more information.

CUE Customer Assistance Phone Number - United States 1-855-428-3669 (1-855 4 CUE NOW).

CUE Customer Assistance Phone Number - Canada Cadillac Customer Care Centre 1-888-446-2000.

CUE Center Stack Display



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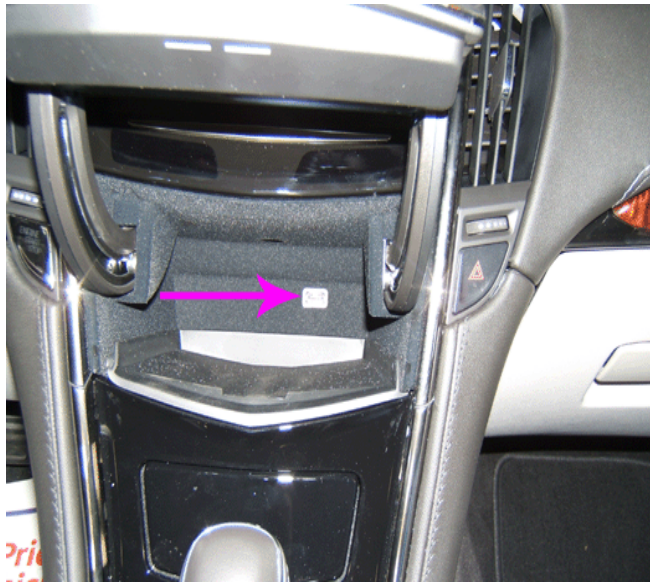
The heart of CUE's center stack display is the vivid 8 in (203 mm) LCD multi-touch full color screen on the dash between the driver and passenger. The CUE screen features capacitive-touch control with proximity sensing, gesture recognition and natural voice recognition.

CD Player / USB Ports / SD Card Port / AUX Input Jack



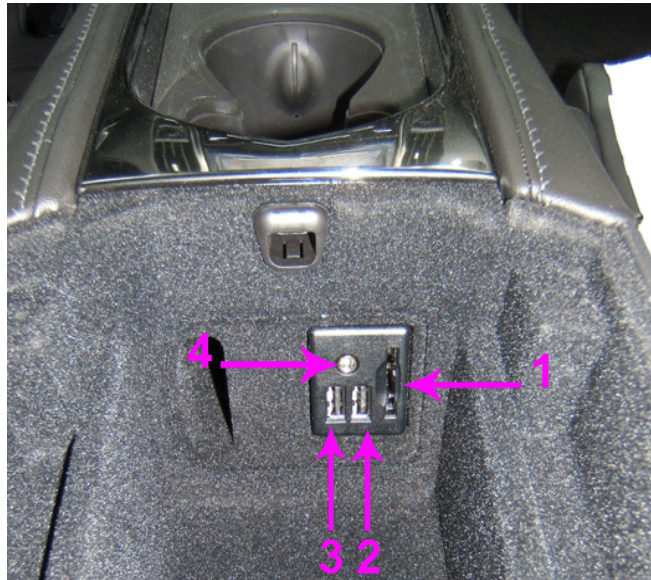
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- **CD Player** If equipped, the CD player is located in the glove box on the right hand side.



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- **One USB Port — Center Stack Storage Area** The USB port located in the center stack storage area, is behind the radio and HVAC controls. This USB port will illuminate briefly upon the door opening and closing.



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- **Two USB Ports** Two USB ports (2,3) are located in the center console under the arm rest.
- **One SD Card Port** The SD card port (1) is located in the center console — The SD card port is for audio playback only. Photos are not supported.
- **AUX Input Jack** The AUX input jack (4) in the center console is used to provide additional audio **sources**.

Transport Mode

For the 2013 model year the ATS will be shipped from the assembly plant with the Transportation Mode **ON**. This feature reduces the electrical load on the battery when the vehicle is parked, which extends the battery stand time. To alert the operator that the mode is ON, the red battery telltale will be flashing and a Transport Mode On message will display on the DIC. For more information, refer to the latest version of Corporate Bulletin Number #11-08-49-001

Center Stack Storage Compartment

Beneath the CUE eight-inch (203 mm) LCD touch screen and below the radio volume and HVAC control panel is a small door. Behind it is a storage compartment with a 12V accessory power outlet.



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1. **OPEN** the control panel door, by gently pressing on the door in the area indicated.



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2. **CLOSE** the control panel door, by gently pressing on the door in the area indicated.

Cleaning High Gloss Surfaces and Vehicle Information Displays and Radio Displays



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Notice: The microfiber cloth is shipped in the bag that contains any loose items that are to be installed when performing the vehicle PDI. Retrieve the microfiber cloth from this bag in the trunk and place it in the glove box.

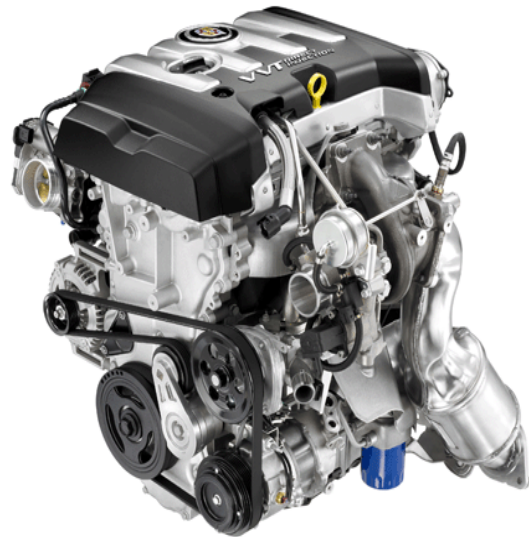
The ATS has high gloss surfaces, vehicle information displays and radio displays. Use a microfiber cloth to wipe these types of surfaces. Before wiping the surface with the microfiber cloth, use a soft bristle brush to remove dirt that could scratch the surface. Then use the microfiber cloth by gently 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.

Powertrain / Drivetrain

Engines

The ATS is available with a choice of three powerful and efficient direct-injected engines coupled with a 6-speed automatic or a 6-speed manual transmission (2.0L Turbo only) and standard rear-wheel drive (RWD) or available all-wheel drive (AWD).

Each of these engines feature aluminum blocks and cylinder heads, direct high-pressure fuel injection and double overhead camshafts (DOHC) with variable valve timing. The available engines are as follows:



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- The Turbocharged (TC) 4-cylinder 2.0L with Variable Valve Timing (VVT) and Direct Injection (DI) - RPO LTG, produces the following:
 - 272 hp (203 kW) @ 5,500 RPM
 - 260 lb-ft of torque (353 Nm) @ 1,700-5,500 RPM



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- The 4-cylinder 2.5L with Variable Valve Timing (VVT) and Direct Injection (DI) - RPO LCV, produces the following:
 - 202 hp (151 kW) @ 6,300 RPM
 - 191 lb-ft of torque (259 Nm) @ 4,400 RPM



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- The 6-cylinder 3.6L with Variable Valve Timing (VVT) and Direct Injection (DI) - RPO LFX, produces the following:
 - 321 hp (239 kW) @ 6,800 RPM
 - 275 lb-ft of torque (373 Nm) @ 4,800 RPM

Transmission

The following transmissions are available:

- Standard on all three engines, is the Hydra-Matic™ 6L45 RPO MYA, 6-speed, electronically controlled, automatic transmission, with automatic overdrive and torque converter clutch.
 - For the 2.0L and the 3.6L, this automatic transmission has a final drive ratio of 3.27
 - For the 2.5L, this automatic transmission has a final drive ratio of 3.45
- Available on the 2.0L Turbocharged and 3.6L engines **only**, on the Luxury, Performance and Premium Collection vehicles is the Hydra-Matic™ 6L45 RPO MYA, 6-speed, electronically controlled, automatic all-wheel drive (AWD) transmission. This Active On Demand system continuously monitors multiple inputs and adjusts torque split to optimize both traction and handling. This active system can send up to 100% of the available torque to the front wheels as traction and handling conditions demand.
For the 2.0L and the 3.6L, this automatic transmission has a final drive ratio of 3.27
- Available on the 2.0L Turbocharged engine **only** is the TREMEC TR3160 RPO M3L, 6-speed fully synchronized manual transmission with single overdrive.
 - This manual transmission has a final drive ratio of 3.27

Automatic Transmission — Driving and Operating

- **P (Park):** This position locks the rear wheels. Use this position when starting the engine because the vehicle cannot move easily.
- **R (Reverse):** This position is used to back up the vehicle. At low vehicle speeds, R (Reverse) can be used to rock the vehicle back and forth to get out of snow, ice, or sand without damaging the transmission.
- **N (Neutral):** In this position the engine does not connect with the wheels. To restart the engine when the vehicle is already moving, use **N** only.
- **D (DRIVE):** This position is for normal driving. It provides the best fuel economy.
- **M + - (Manual Mode):** This position is for firmer, quicker manual shifting.

Automatic Transmission — Manual Mode / Driver Shift Control (DSC) and Tap Shift Controls

Driver Shift Control (DSC)

Notice: Driving with the engine at a high rpm without upshifting while using Driver Shift Control (DSC), could damage the vehicle. Always upshift when necessary while using DSC.

All three engines are equipped with driver shift control (DSC) on all automatic transmission center console shift levers. While using the DSC feature, the vehicle will have firmer, quicker shifting.

Vehicles with DSC may use either the center console shift lever or the steering wheel mounted tap shift controls if equipped, to **manually shift** the automatic transmission.

To Use DSC Using the Shift Lever:



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



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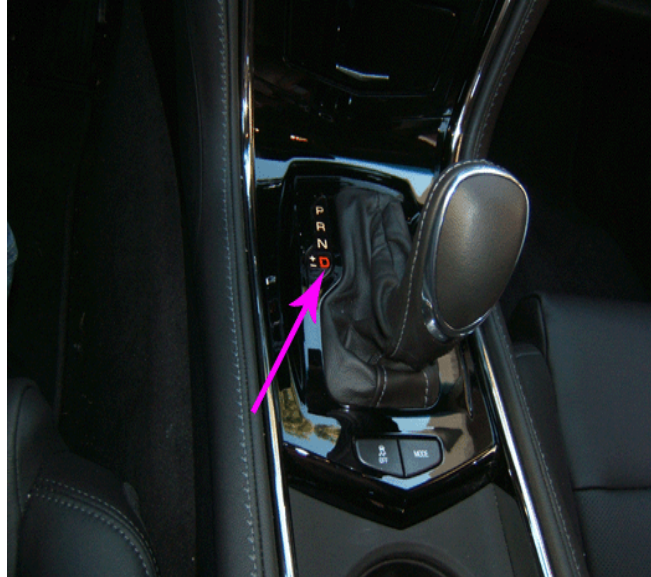
2. Move the shift lever to the **left** from **D (Drive)**, into the **M (Manual Mode)** which is illuminated as **+ -**.
The transmission will be in **Manual Mode** and will hold the current gear.
3. Move the shift lever **forward** towards **+** to upshift.
4. Move the shift lever **rearward** towards **-** to downshift.
5. To cancel DSC, move the shift lever back to **D (Drive)**.

Tap Shift Controls

Notice: Driving with the engine at a high rpm without upshifting while using Driver Shift Control (DSC), could damage the vehicle. Always upshift when necessary while using DSC.

Vehicles with DSC may use either the center console shift lever or the steering wheel mounted tap shift controls, to **manually shift** the automatic transmission. Magnesium tap shift controls are standard on all automatic transmission, Performance and Premium Collection vehicles.

To Use DSC Using the Tap Shift Controls:



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



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2. Move the shift lever to the **left** from **D (Drive)** into the **M (Manual Mode)** which is illuminated as **+ -**. The transmission will be in **Manual Mode** and will hold the current gear.



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3. Tap the **left** steering wheel control – to **downshift** .



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4. Tap the **right** steering wheel control **+** to **upshift** .

5. To **cancel** DCS, move the shift lever back to **D (Drive)**.

– Tap Shift Mode can also be used temporarily while driving in **D (Drive)**. Tap either the **upshift** control **+** or the **downshift** control **–**.

– To **cancel** Tap Shift Mode, hold the **upshift** control **+** for two seconds.

If no action is taken, the vehicle returns to automatic shifting after a brief period of driving at a steady speed, or when the vehicle comes to a stop.

Transfer Case

An ATS equipped with all-wheel-drive comes equipped with the gear driven Borg Warner (BW) model 4474 transfer case, which is a 1-speed active design.

Mechanical Limited-Slip Rear Differential

Standard on Premium RWD models only and included with manual transmission models is the mechanical limited-slip rear differential to control wheel slip and deliver maximum torque to the tire with the most traction.

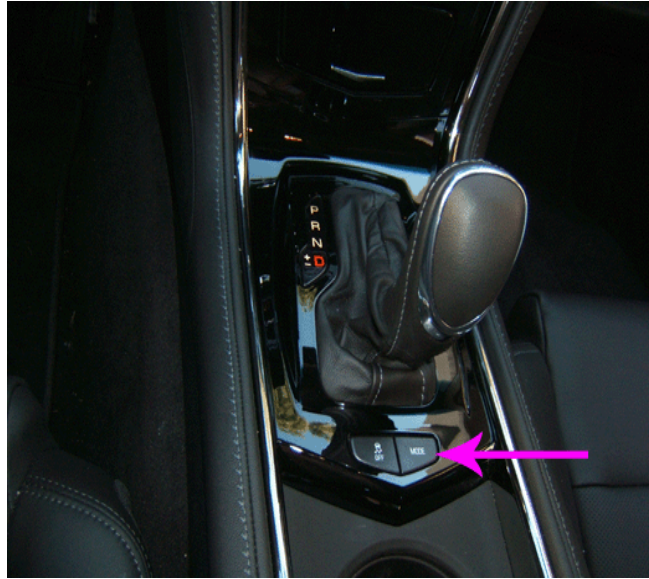
Driver Selectable Suspension System Modes

Driver Mode Control

The purpose of Driver Mode Control is to add a sportier feel, provide a more comfortable ride, and assist in different weather conditions and terrain.

This system simultaneously changes the software calibration of various sub-systems. Depending on the option package, available vehicle features and the mode selected, the suspension, steering and powertrain will change calibrations to achieve the desired mode characteristics.

If the vehicle is equipped with the RPO FE3 Performance Suspension which includes the Gen 3 Magnetic Ride Control, selecting the various Driver Modes also adjusts the ride of the vehicle to enhance the ride performance for the road conditions and the selected mode.



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Press the **MODE** button to make the desired suspension system selection.

The Driver Mode Control has three selectable modes:



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- **Tour:** Use for normal city and highway driving to provide a smooth soft ride. Whenever the ignition is turned OFF, the mode reverts to this selection. When selected, the Tour mode indicator will briefly display in the Driver Information Center (DIC).



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- **Sport:** Use where road conditions or personal preference demand a more controlled response. When selected, the Sport mode indicator will briefly display in the Driver Information Center (DIC).



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- **Snow/Ice:** Use when more traction is needed during slippery conditions. Snow/Ice mode is only available on automatic transmission vehicles. When selected, the Snow/Ice mode indicator will briefly display in the DIC.

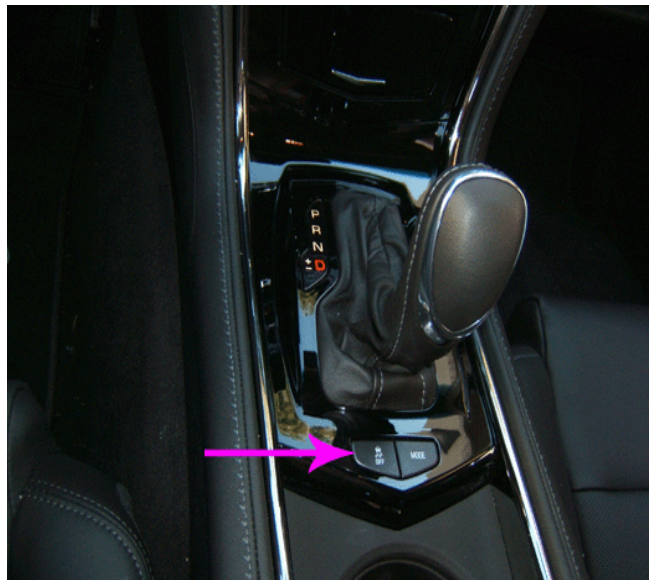
Chassis / StabiliTrak® / Traction Control System (TCS) / Suspension

StabiliTrak® Electronic Stability Control With Full Function Traction Control System (TCS)

Notice: StabiliTrak® Electronic Stability Control and the Traction Control System (TCS) turns ON automatically, every time the vehicle is started.

StabiliTrak® electronic stability control is standard on all models. It is an advanced computer controlled system that assists with **directional** control of the vehicle in difficult driving conditions.

The TCS is standard on all models. The full function traction control works using brake and engine intervention to limit wheel spin. On a rear-wheel-drive vehicle, the system operates if it senses that one or both of the rear wheels are spinning or beginning to lose traction. On an all wheel drive vehicle, the system will operate if it senses that any of the wheels are spinning or beginning to lose traction.



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- To turn **OFF** the traction control, press the StabiliTrak® button located on the center console.
- To turn **OFF** StabiliTrak®, press and hold the StabiliTrak® button located on the center console.
- Press the button again to turn **ON** either system.

Suspension / Magnetic Ride Control

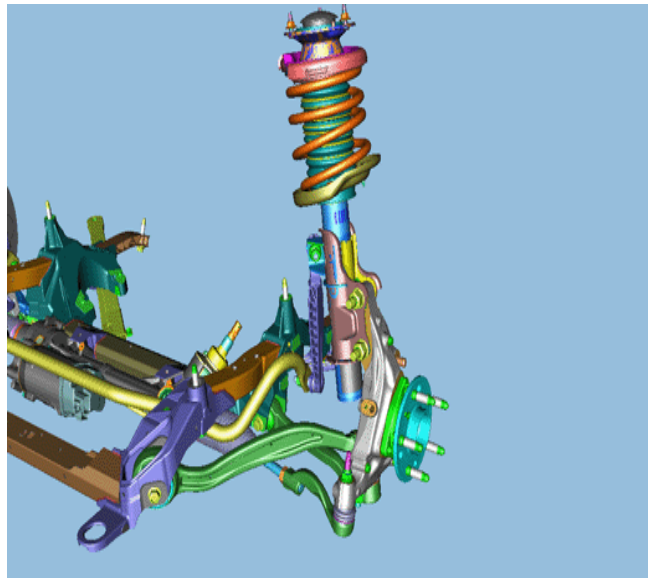


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Depending on the equipment package the vehicle may be equipped with Magnetic Ride Control — the fastest reacting suspension in the world. Magnetic Ride Control delivers precise body motion control by electronically monitoring the road conditions every millisecond and reacting by changing shock absorber damping in as little as one to five milliseconds. The electronically controlled front and rear shocks are filled with a magneto-rheological fluid containing minute iron particles. Under the presence of a magnetic charge, the iron particles align to provide damping resistance almost instantly.

Front Independent Multi-Link MacPherson Strut Suspension

The front independent multi-link MacPherson strut suspension has the following advantages:



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A double pivot design:

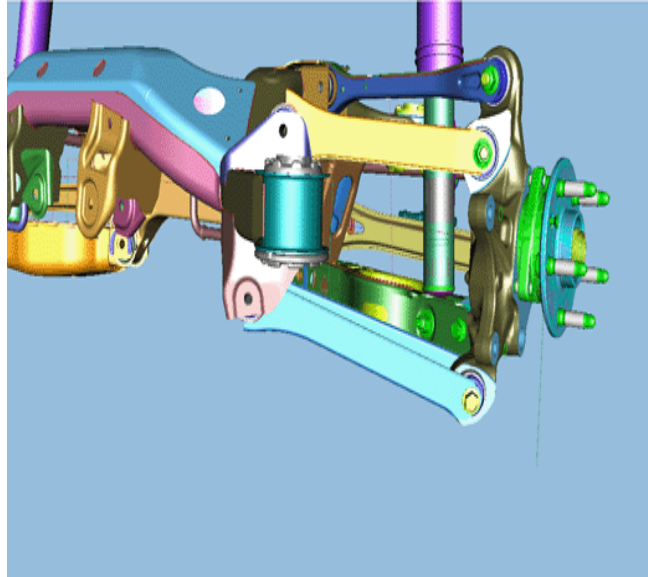
- Replaces conventional wishbone at each of the wheels with a pair of ball joints and lower control arms.
- Separates control of road inputs from handling responses.
- Delivers precise steering and smoother ride.

Direct-acting stabilizer bar aids cornering control.

Rear Independent 5-Link Suspension System

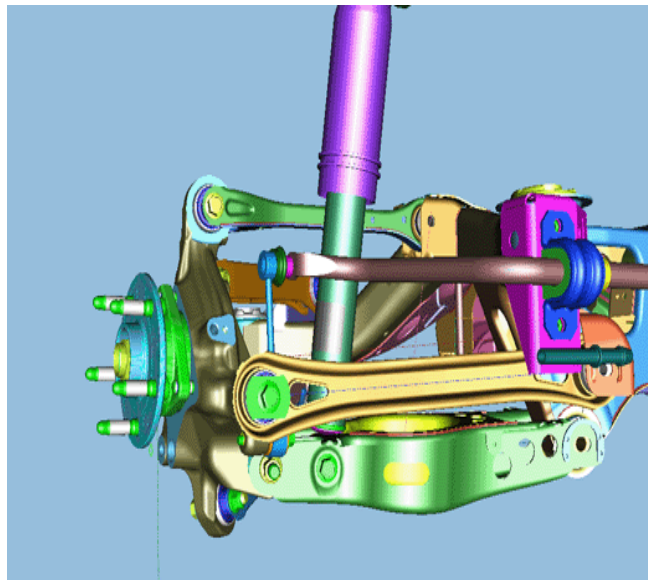
The rear independent 5-link suspension is the 1st application used in a Cadillac.

Rear Suspension (Front View)



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Rear Suspension (Rear View)



2899710

The independent 5-link suspension system has the following advantages:

- Center link plus upper and lower control arms on each side.
- Provides superior dynamic stability.
- Separates control of road inputs from handling responses.
- Reduces vehicle “squat” on acceleration.

Tires

Run-Flat Tires

Notice: The ATS DOES NOT come with a spare tire. This feature provides additional under-floor trunk storage space. Vehicles equipped with run-flat tires DO NOT come with an inflator kit.

Run-flat tires are included on all Collections and available on the Standard model when the 17 inch polished aluminum wheels are ordered.

Run-flat tires can be driven up to 50 miles (80 km) at speeds up to 50 mph (80 km/h), under moderate load conditions after a loss of pressure, thereby eliminating the need of waiting for a service truck.

Low-Profile Tires



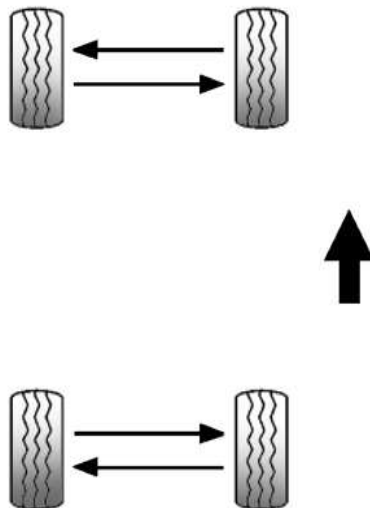
2899783

Notice: It is recommended that you discuss available wheel/tire protection plans with your customers.

ATS vehicles that are equipped with 18 inch wheels come with low-profile tires, which are the segment standard. Because of their low-profile sidewall, they may be more susceptible to potential pothole damage.

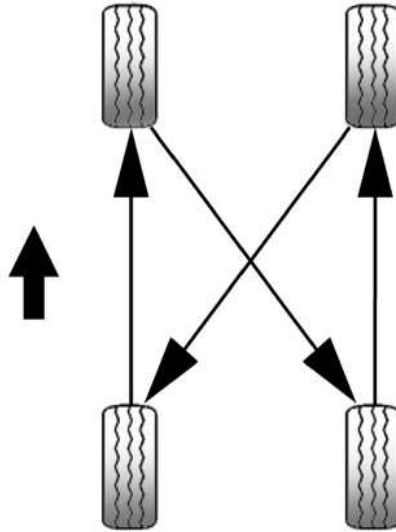
Tire Rotation

- **Non-Directional** tires **should be** rotated every 7,500 mi (12,000 km). Different size tires **should not** be rotated from the front to the rear.
- **Directional** tires **should not** be rotated. Each tire and wheel should be used **only** in the **position** it is in. **Directional** tires will have an arrow on the tire indicating the proper **direction** of rotation or it will have **left** or **right** molded on the sidewall.



2906247

Use this rotation pattern if the vehicle has different size tires on the front and rear and they are **non-directional**. Different size tires **should not** be rotated from the front to the rear.



2906251

Use this rotation pattern if the vehicle has the same size tires on the front and rear.

Absorbent Glass Mat (AGM) Battery

Absorbent Glass Mat (AGM) Battery

The Cadillac ATS is equipped with a 12 Volt Absorbent Glass Mat (AGM) battery, rated at 700 Cold Cranking Amps (CCA).

This battery is similar to current vehicle lead acid flood batteries, except they use glass mats that absorb electrolytes that are pressed between the plates instead of immersing the plates in electrolytes. This allows for a smaller, lighter battery with the same amount of power that is less susceptible to heat. The maximum permissible voltage allowed for the absorbent glass mat battery is 14.8 Volts at room temperature.

The AGM battery requires different charging voltages than conventional lead acid batteries. The essential tool EL-50313 Midtronics® GR8 Battery Charger/Tester has this algorithm built in. The EL-50313 Midtronics® GR8 Battery Charger/Tester is the preferred charger for use during a PDI, calibration updates or any other repairs that requires the use of a battery charger.

Notice: You **MUST** select **AGM** when prompted or damage to the battery will result.

Make sure to select the proper battery type: **AGM** and **CCA 700** during charger set up.

Electrical Architecture

Global Diagnostic System 2 (GDS 2)

The 2013 Cadillac ATS is utilizing GM's Global A electrical architecture, which is common with the Buick LaCrosse, Regal and Verano, the Cadillac SRX, and XTS, the Chevrolet Camaro, Cruze, Equinox, Malibu, Orlando (Canada), Sonic, Spark and Volt and the GMC Terrain. 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).

Unique Vehicle Characteristics

HVAC

The ATS may be built with either R134a refrigerant or the new R-1234yf which is an environmentally friendly refrigerant that has a 99.7% lower Global Warming Potential (GWP) than R-134a. For more information, refer to the latest version of Corporate Bulletin #12-01-37-001: Information on New Refrigerant (R-1234yf) for A/C Service

Driver-Oriented Instrument Cluster with Reconfigurable Driver Information Center (DIC)



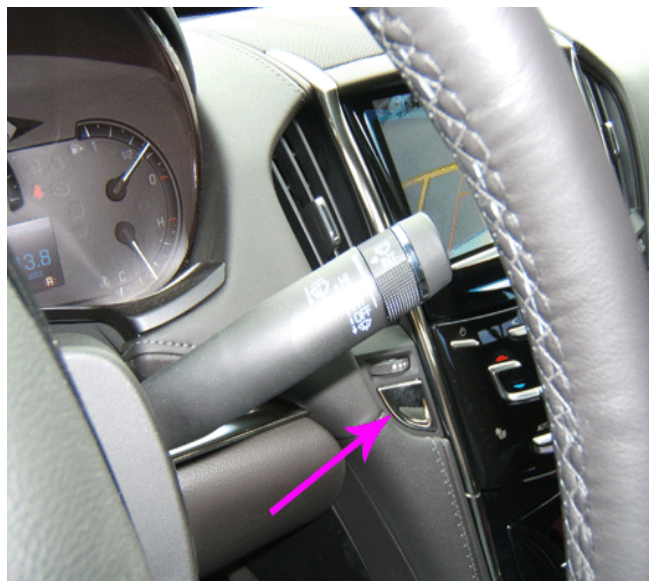
2899776

The standard electroluminescent instrument cluster is easy to read and includes analog gauges and a reconfigurable full color 5.7 inch wide driver information center (DIC). The reconfigurable DIC has three windows where drivers can select information to display, including vehicle speed, phone, audio, safety, fuel range and navigation (when equipped) and other important vehicle information.

OnStar®

The ATS features OnStar® and comes standard with the one year Directions and Connections plan and the Safe and Sound plan.

Keyless Ignition with Push Button Engine Start/Stop



2900453

Keyless Ignition with Push Button Engine Start/Stop is standard on all models. There is a key inside of the remote fob that can be accessed by pushing on the fob release button. This key can unlock the driver door or the passenger door after first removing the cover that conceals the lock cylinder. Refer to: Unlocking the Door With the Key / Removing the Door Lock Cylinder Cover in this section

Remote Keyless Access

Remote Keyless Access is standard on all models and includes lock, unlock, panic functions and two transmitters.

EZ Key Full Keyless Access

EZ Key Full Keyless Access is standard on the Luxury, Performance and Premium Collections and offers keyless entry to all doors and trunk.

Adaptive Remote Start

Adaptive Remote Start is standard on the Luxury, Performance and Premium Collections and activates the heated seats (if equipped), the climate control system and the rear defroster.

Unlocking the Door With the Key / Removing the Door Lock Cylinder Cover

To unlock the vehicle using the key, you **MUST** follow this procedure:

The procedure is the same for the driver door or the front passenger door.

Notice: To remove the door lock cylinder cover, perform Steps 1–5:



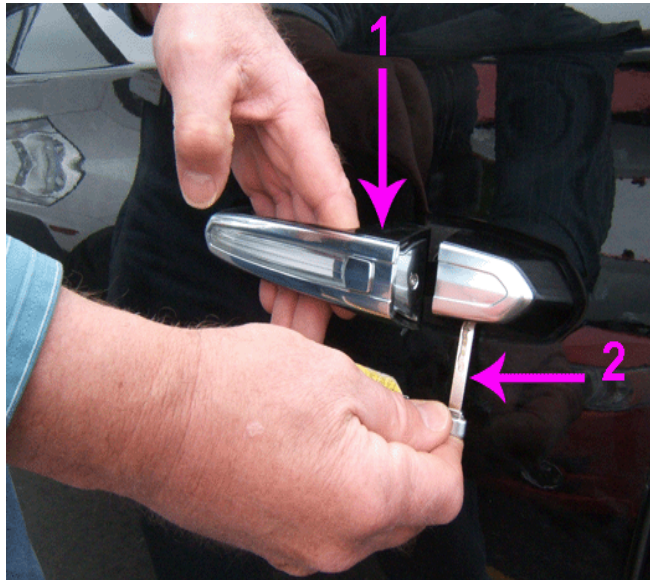
2862657

1. Press the fob key release button (1).



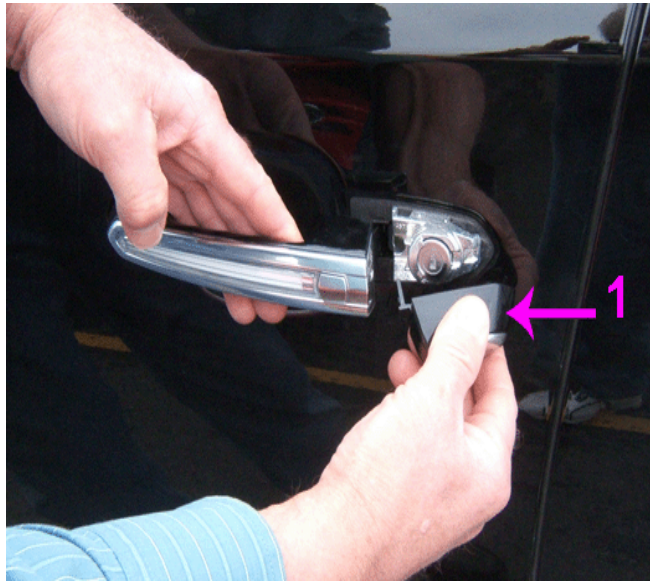
2863134

2. Separate the key from the fob by pulling the chrome end (1) away from the fob.



2863207

3. Pull back on the door handle (1) and **HOLD** it in the **OPEN** position. Insert the key (2) into the opening in the bottom of the cover.
4. Gently pry the cover loose with the key.

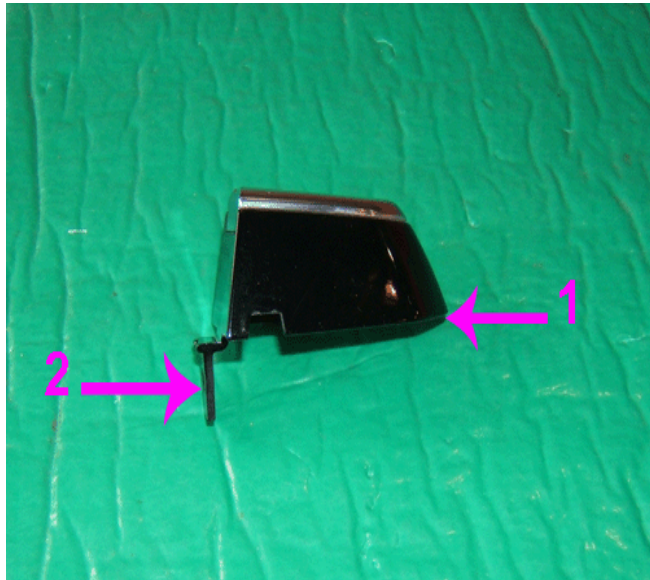


2863239

5. Remove the cover to gain access to the door lock cylinder.

Notice: To install the door lock cylinder cover, perform Steps 6–10:

6. Pull back on the door handle and **HOLD** it in the **OPEN** position.



2863249

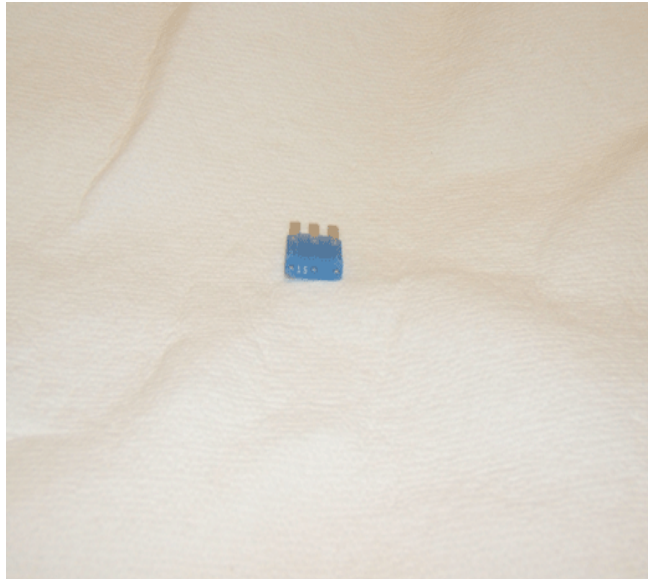
7. With the door handle in the **OPEN** position, place the cover over the door lock cylinder in order to **SEAT** the **REAR** (1) of the cover first.
8. Gently press the front tab (2) of the cover into the opening.



2863251

9. Verify the cover is secured.
10. Release the door handle.

New Style 3 Terminal Fuses



2901532

The ATS uses some of the new style 3 terminal fuses in the underhood electrical center (UEC). The fuses that are used are rated at 5 A, 10 A and 15 A.

Adaptive Forward Lighting

With adaptive forward lighting, the projector headlamps swivel in the direction of the front wheels to maintain forward lighting in concert with vehicle steering.

Heading into a curve or turning a corner, the headlamps swivel up to 15 degrees depending on the curve and vehicle speed. The system works with both low and high beam headlamp settings.

Front Seat Head Restraints

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



2867753

The height of the head restraint can be adjusted. Pull the head restraint up 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 located on the side of the head restraint 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.

The head restraint can be also be adjusted forward or rearward. Press the button located on the side of the head restraint and push it forward or rearward 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.

Rear Seat Head Restraints

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



2901820

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.

To lower the head restraint, press the button located at the base on the side of the head restraint, push the head restraint down, and release the button. Pull and push on the head restraint after the button is released to make sure that it is locked in place.

Safety Alert Seat

The standard industry-first Safety Alert Seat feature, will vibrate either the left, right or both sides of the driver's seat cushion in the thigh area in order to warn the driver of an impending concern, with sufficient warning time to give the driver time to react and make changes. ATS also offers a 360 degree network of cameras and sensors to enhance driver vision. Refer to the following section in this bulletin: Driver Awareness Package / Driver Assist Package / Safety and Crash Avoidance

Trunk Release



2900772



2900782

Notice: When using the touchpad on the rear of the trunk, it may be necessary to press and hold the touchpad for approximately 2–3 seconds in order to open the trunk. This is a normal operating characteristic of the vehicle.

To open the trunk, press the trunk release button on the driver door or the touchpad on the rear of the trunk slightly above the license plate or use the trunk button on the Remote Keyless Entry (RKE) transmitter.

Heated Seats

The available heated seats are also linked with the remote vehicle start feature. Using the remote vehicle start feature, the seats can be selected to heat. The heated seats will not turn on during a remote start unless they are enabled in the vehicle personalization menu.

If equipped, the buttons are near the climate controls on the center stack. To operate, the ignition must be in the ON/RUN/START position.



2905428

Press the heated seat button (1) to heat the passenger seat cushion and seatback. Press the heated seat button (2) to heat the driver seat cushion and seatback.

Press the button once for the warmest temperature setting. Each time the button is pressed the temperature will change to the next lower setting and then to OFF.

The indicator lights next to the buttons indicate three for the warmest setting and one for the lowest setting.

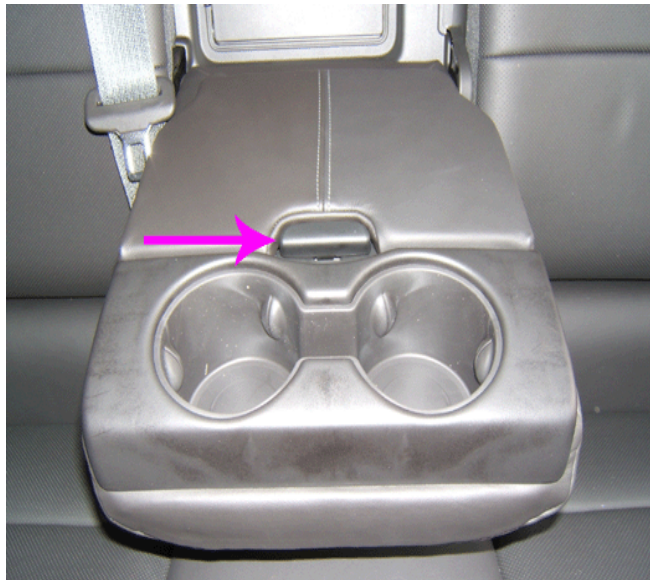
Rear Seat Center Arm Rest and Cup Holders

In the middle of the rear seat is a center arm rest, that when lowered has dual cup holders.



2901310

1. Lower the rear seat center arm rest.



2901331

2. Operate the release and raise the center arm rest cover to gain access to the inside storage space if desired.

Rear Seat Pass-Through Door

The trunk can be accessed for small items from the interior of the vehicle by lowering the rear seat center arm rest and then opening the rear seat pass-through door.



2901310

1. Lower the rear seat center arm rest.



2901358

2. Operate the release handle to lower and open the rear seat pass-through door to the trunk.

Rear Folding Seats

If equipped, the backs of the rear seats can be folded forward to increase trunk space as needed.



2900807

1. To fold the back of the seat forward, squeeze the release handle and lower the seat.
When the seat has been released from its locked position, the red band on the seat lock indicator will be visible to indicate that it **IS NOT** in a secured position.
2. To return the back of the seat to its upright position, lift and snap it firmly in place.
Verify the red band on the seat lock indicator is no longer visible to ensure the seat **IS LOCKED** in place.

Acoustic Glass

Notice: DO NOT hang key lock boxes on any acoustic glass.

The vehicle is equipped with laminated acoustic glass in the front windshield and the front driver and passenger doors.

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.

Memory Seats



2901298

On vehicles with the memory seat feature, the "**1**," "**2**," **SET**, and **Exit** buttons on the driver door are used to manually save and recall memory settings for the driver seat and the outside mirrors. These manually stored positions are referred to as Button Memory positions.

The vehicle will also automatically save the driver seat and the outside mirror positions to the current driver Remote Keyless Entry (RKE) transmitter when the ignition is placed in OFF/LOCK. These automatically stored positions are referred to as RKE Memory positions.

Storing Button Memory Positions - Driving

To save positions into Button Memory for the “1” and “2” driving positions, perform the following:

1. Adjust the driver seat and the outside mirrors to the desired driving positions.
2. Press and hold the **SET** button and the “1” button at the same time until a beep sounds.
3. Repeat Steps 1 and 2 for a second driver using “2”.

Storing Button Memory Positions - Easy Exit

To save positions into Button Memory for the Exit button and easy exit features perform the following:

1. Adjust the driver seat and the outside mirrors to the desired positions for getting out of the vehicle.
2. Press and hold the **SET** button and the **Exit** button at the same time until a beep sounds.
3. Repeat Steps 1 and 2 for a second driver using “2”.

Reverse Tilt Mirror

If the vehicle is equipped with Reverse Tilt Mirror, when this feature is turned ON, both the driver and passenger mirrors will tilt downward when the vehicle is shifted to **R (Reverse)** to improve visibility of the ground near the rear wheels.

Auto Defog

The climate control system may have a sensor to automatically detect high humidity inside the vehicle. When high humidity is 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 off or on in Vehicle Personalization.

Unique Vehicle Characteristics — Vacuum Operated Engine Mount System

Vacuum Operated Engine Mounts Description and Operation

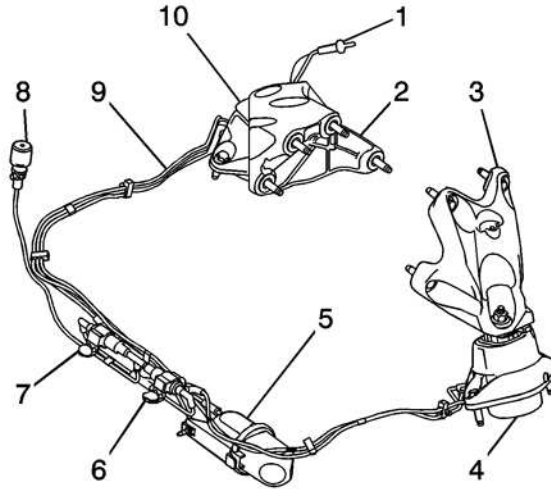
An ATS that comes equipped with either the 2.0L RPO LTG or the 2.5L RPO LCV 4-cylinder engine, are equipped with vacuum operated engine mounts. The vacuum operated engine mounts allow the engine to idle at a lower RPM, increasing fuel efficiency and controlling noise, vibrations and harshness (NVH).

The engine mounts are filled with a clear glycol fluid. The fluid is pushed back and forth through different paths in the engine mount by the main rubber element at the top of the engine mount. The fluid flows through the idle and/or bounce tracks/paths which impacts the stiffness of the engine mounts. To control the flow of fluid through the tracks vacuum is turned OFF and ON under two separate diaphragms. The engine mount software is in the fuel pump control module (FPCM). Vehicle operating data is received over the GMLAN. The FPCM determines the appropriate state for the engine mounts based off the vehicle operating conditions.

The system consists of the following components:

- Engine mounts (Qty: 2)
- Vacuum tank assembly
- Valve assemblies (Qty: 2)
- Filter assembly
- An engine mount vacuum hose assembly (includes a check valve)

4-State Vacuum Operated Engine Mount System

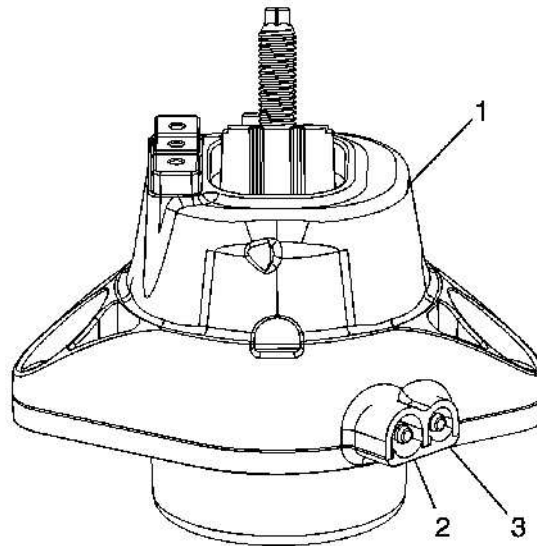


2906353

Legend

- (1) Check Valve
- (2) RH Engine Mount Bracket
- (3) LH Engine Mount Bracket
- (4) LH Engine Mount
- (5) Vacuum Tank Assembly
- (6) Idle Valve Assembly
- (7) Bounce Valve Assembly
- (8) Filter Assembly
- (9) Engine Mount Vacuum Hose Assembly
- (10) RH Engine Mount

Vacuum Operated Engine Mount



2906360

Legend

- (1) Engine Mount
- (2) Bounce Port
- (3) Idle Port

Active Grille Air Shutter

Active Grille Air Shutter Description and Operation

The active grille air shutters are available on the Standard and Luxury models and standard on the Performance and Premium Collections.

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. The control signal from the fuel pump control module (FPCM), ignition and ground circuits enable the active grille air shutter actuator to operate. If the conditions for opening the louvers are reached the FPCM commands the active grille air shutter actuator to open the louvers.

The actuator is powered by an ignition circuit that is active when the key is in the RUN position. The vehicle may have to be driven for up to 13 minutes at speeds greater than 25 mph (40 kph) before the shutter begins to move. If a low ambient temperature is detected, the shutter will remain in the closed position.

Driver Awareness Package / Driver Assist Package / Safety and Crash Avoidance

The Cadillac ATS introduces 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 Driver Awareness Package is available on the Luxury and included on Performance and Premium Collections and includes the following:
 - Forward Collision Alert
 - Lane Departure Warning (LDW)
 - Safety Alert Seat
 - LED Direct View Alert Display
 - Rear thorax airbags
 - RainSense automatic windshield wipers
- The Driver Assist Package is available on the on the Performance and Premium Collections and includes all Driver Awareness Package content plus the following:
 - Automatic Collision Preparation
 - Front and Rear Automatic Braking
 - Full Speed Range Adaptive Cruise Control
 - Full-color Head-Up Display (replacing the LED Direct View Alert Display on the Performance Collection)
 - Side Blind Zone Alert
 - Rear Cross Traffic Alert

The control and alert technologies are described in the following:

Safety Alert Seat

The Safety Alert Seat delivers a vibrating pulse, or what is termed a “haptic” alert to the left, right or both sides of the seat cushion. The haptic warning can be de-activated by turning certain related safety systems **OFF**, or be replaced with an audible warning, by using the Vehicle Personalization Settings.

Forward Collision Alert (FCA) System — Setting the Follow Distance Gap

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

Forward Collision Alert (FCA) uses radar and camera technology to detect and help avoid or reduce the harm caused by a front-end collision. FCA provides a flashing alert on the windshield, and audible beeps or it pulses the Safety Alert Seat when approaching a vehicle directly ahead too quickly, alerting the driver and providing additional time to react. FCA also provides a visual alert if following another vehicle too closely.

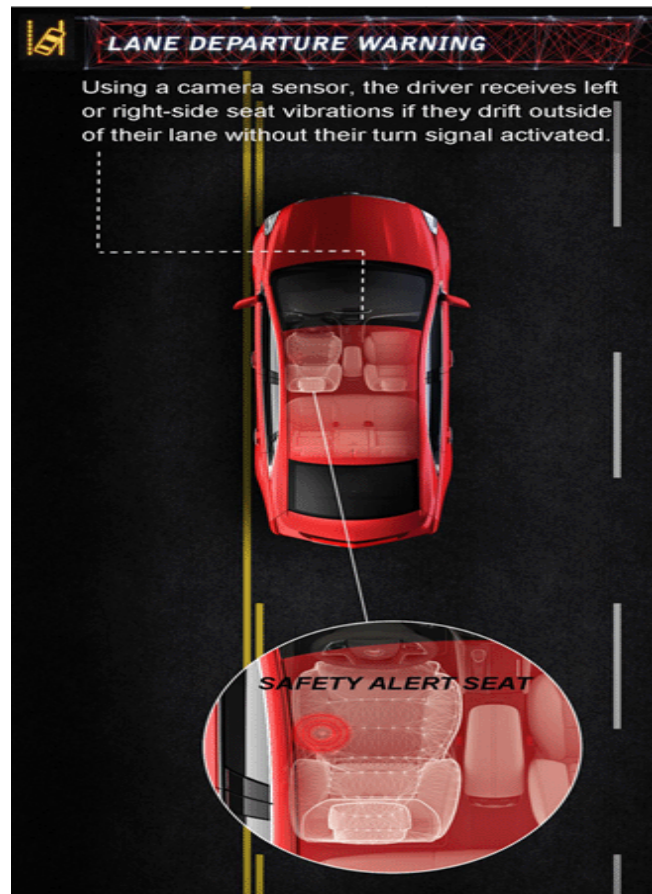
FCA detects vehicles within a distance of approximately 197 ft (60 m) and operates at speeds above 25 mph (40 km/h). If the vehicle has Adaptive Cruise Control (ACC), it can detect vehicles to a distance of approximately 360 ft (110 m) and operates at all speeds.



2906796

The driver can set the preferred distance or alerting time using the FCA button on the left hand side of the steering wheel. Press the Follow Distance Gap button (1) to select a distance or time setting for ACC. Select a Gap Setting of Far, Medium, or Near.

Lane Departure Warning



2866824

The Lane Departure Warning (LDW) system is a camera-based lane detection system that uses a camera sensor mounted near the inside rearview mirror to detect the lane markings. LDW warns the driver of unintentional lane departures and **may** provide a warning if the vehicle is crossing a lane without using a turn signal. The LDW system activates at speeds above 35 mph (56 km/h).

When the vehicle crosses a detected lane marking, the LDW indicator will flash and either three beeps will be sounded from the left or right speaker, or three Safety Alert Seat pulses will occur on the left or right side of the seat, depending on the lane departure direction.

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

If a turn signal is not used, the LDW indicator will flash and either three beeps will be sounded from the left or right speaker, or three Safety Alert Seat pulses will occur on the left or right side of the seat, depending on the lane departure direction.

LED Direct View Display

The LED Direct View Display works with the Forward Collision Alert to flash a warning image on the base of the windshield in the driver's line of sight. The Head-Up Display replaces this feature when it is ordered.

Rear Thorax Airbags

Rear Thorax Airbags add more protection for the rear outboard passengers.

Rain Sense Wipers

Rain Sense Wipers use the forward camera to "read" the moisture on the windshield and automatically adjust wiper intervals accordingly.

Automatic Collision Preparation

Automatic Collision Preparation uses data provided by the front camera, radars and sensors to determine if a collision is imminent. When the vehicle sensors determine a collision is imminent, it uses the Intelligent Braking System to pre-fill and apply braking to lessen the impact severity of the incident or perhaps enable the driver to avoid the incident altogether.

Front and Rear Automatic Braking

Using radar and ultrasonic sensors, this feature can help prevent or mitigate front and rear collisions at low speeds via a progression of alerts that extend to complete braking if necessary. For example, if the vehicle is in stop-and-go traffic, the system will alert if the lead vehicle slows unexpectedly and if needed brake the vehicle to reduce speed to prevent an impact or reduce impact speed.

Full Speed Range Adaptive Cruise Control

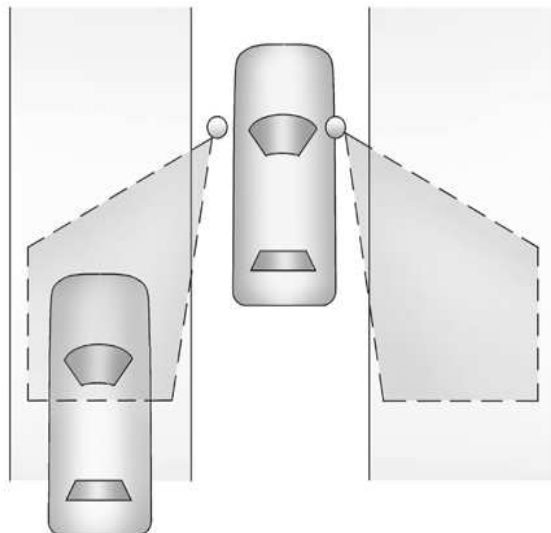
The Full Speed Range Adaptive Cruise Control uses information from the car's front radars and other sensors to maintain a selected following distance to the vehicle ahead. The system will even bring the vehicle to a complete stop if needed.

Full-Color Head-Up Display

The Full-Color Head-Up Display allows the driver to configure and display selected information on the windshield in the driver's line of sight.

Side Blind Zone Alert (SBA)

Using radar sensors in the left and right side corners of the rear bumper, the system looks for vehicles in the blind zone areas and indicates their presence by illuminating symbols in the outside rear view mirrors.



The sensors cover a detection zone of approximately 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. This system does not provide any Haptic feedback.

Rear Cross Traffic Notification



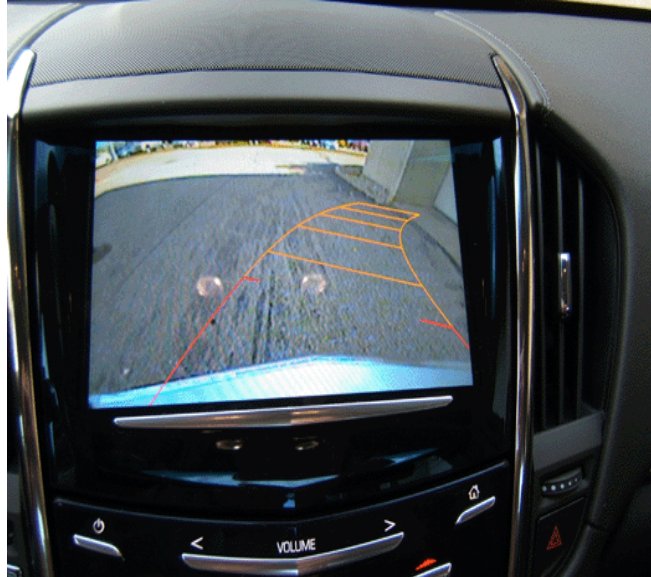
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Using radar sensors, the driver is alerted of approaching cross traffic when backing out of a parking spot - including angled parking. Using the display in the center stack, with dynamic guidelines laid over the video image, a natural view of objects directly behind the vehicle are provided. Left or right side visual and audible alerts are triggered if moving vehicles are detected.

Rear Vision Camera With Dynamic Guidelines Assists in Parking Maneuvers



2900687



2900694

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

Airbag System — 8 Airbags for RPO AYG / 10 Airbags for RPO AYF



2868195

Airbags are designed to supplement the protection provided by safety belts.

Notice: The vehicle is equipped with 8 airbags for RPO AYG or 10 airbags for RPO AYF as follows:

- A frontal airbag for the driver.
- A frontal airbag for the front outboard passenger.
- A knee airbag for the driver.
- A knee airbag for the front outboard passenger.
- A seat-mounted side impact airbag for the driver.
- A seat-mounted side impact airbag for the front outboard passenger.
- A roof-rail airbag for the driver and the passenger seated directly behind the driver.
- A roof-rail airbag for the front outboard passenger and the passenger seated directly behind the front outboard passenger.

Notice: For RPO AYF add these two airbags:

- Seat-mounted side impact airbags for the second row outboard passengers.

Head-Up Display (HUD)

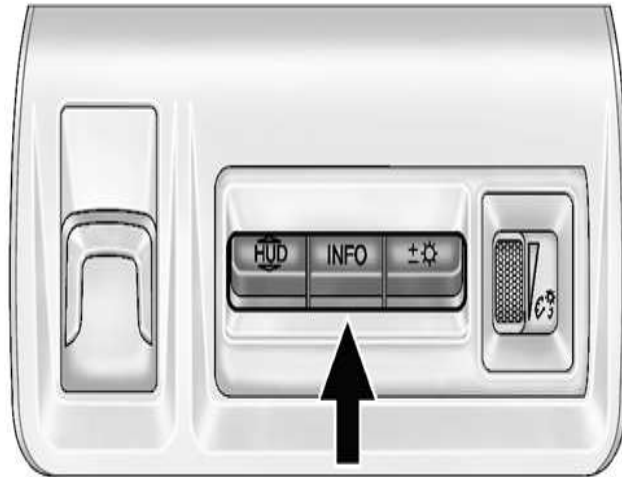
Available on the Performance and standard on the Premium Collection is the full-color, configurable Head Up Display (HUD). HUD is any transparent display that presents data without requiring the driver to look away from their usual viewpoints.

Some of the important information concerning the operation of the vehicle is projected onto the windshield. The images are projected through the HUD lens on the instrument panel.

The HUD may display different alerts and information for vehicles equipped with these features:

- Traction Control System (TCS)
- StabiliTrak System
- Collision Alert
- Gap Adjust
- Upcoming Maneuver from OnBoard Navigation
- Upcoming Maneuver from OnStar®
- Incoming Call

When the HUD is **ON**, the speedometer reading is continually displayed, except when an imminent navigation maneuver is being shown. The current audio, phone, or navigation alert temporarily displays if their status changes. This occurs if the steering wheel controls are used to adjust a setting or acknowledge an alert.



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The HUD Control is to the left of the steering wheel. To adjust the HUD image, select the data display and change the brightness perform the following:

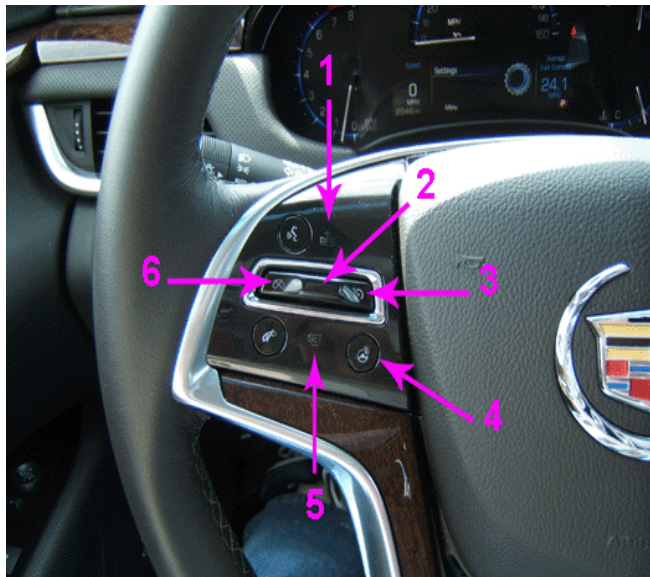
1. Adjust the driver seat.
2. Start the engine.
3. Press the left side **HUD** button **down** or **lift up** to center the HUD image. The HUD image can only be adjusted up and down, not side to side.
4. Press the middle **INFO** button to select the data display view. Release when the desired data display is shown on the HUD. If vehicle messages are displayed, pressing the DIC select button may clear the message.
5. To change the brightness of the display use the right side button with the +, - and lamp icons. **Lift up** and **hold** to brighten the display. Press **down** and **hold** to dim the display. Hold down to turn the display **OFF**.

Steering Wheel Controls - Cruise Control / Heated Steering Wheel

Left Side Steering Wheel Controls - Cruise Control and Heated Steering Wheel

Using cruise control, a speed of about 25 mph (40 km/h) or more can be maintained without keeping your foot on the accelerator. If the brakes are applied, the cruise control disengages. If the StabiliTrak® system begins to limit wheel spin while using cruise control, the cruise control automatically disengages.

The following describes the functions of the Cruise Control buttons and the Heated Steering Wheel button (if equipped):

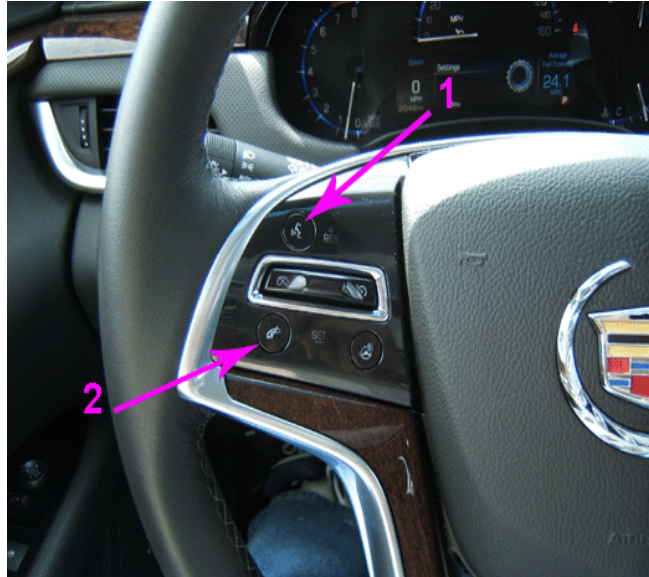


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- **ON/OFF:** Press the **ON/OFF (3)** button to turn the system **ON** and **OFF**. An indicator lamp will illuminate on the instrument cluster when the cruise control is turned **ON**.
- **+RES (Resume/Accelerate):** Press the **Five-Way Control Bar (2) UP** briefly towards the **+RES (1)** icon, to resume to a previously set speed or to increase vehicle speed if the cruise control is already activated.
 - To increase vehicle speed by 1 mph (1 km/h), press the **Five-Way Control Bar (2) UP** towards the **+RES (1)** icon, to the **first detent**.
 - To increase vehicle speed by 5 mph (5 km/h), press the **Five-Way Control Bar (2) UP** towards the **+RES (1)** icon, to the **second detent**.
- **SET (Set/Coast):** Press the **Five-Way Control Bar (2) DOWN** briefly towards the **SET- (5)** icon, to set the speed and turn the cruise control **ON**, or to decrease the speed if the cruise control is already activated.
 - To decrease vehicle speed by 1 mph (1 km/h), press the **Five-Way Control Bar (2) DOWN** towards the **SET- (5)** icon, to the **first detent**.
 - To decrease vehicle speed by 5 mph (5 km/h), press the **Five-Way Control Bar (2) DOWN** towards the **SET- (5)** icon, to the **second detent** .
Brake intervention may occur to slow the vehicle to the new set decreased vehicle speed.
- *** (Cancel):** Press the *** CANCEL (6)** button to disengage the cruise control without erasing the set speed from memory.
 - ⇒ If the cruise control button is **ON** when not in use, it could get pressed and go into cruise control when not desired. Keep the cruise control button **OFF** when cruise is not being used.
- Press the **Heated Steering Wheel (4)** button to turn the heated steering wheel **ON/OFF**. A light next to the button illuminates when the feature is turned **ON**.

Left Side Steering Wheel Controls - Phone and Audio Controls

The following describes the functions of the Phone and Audio buttons:



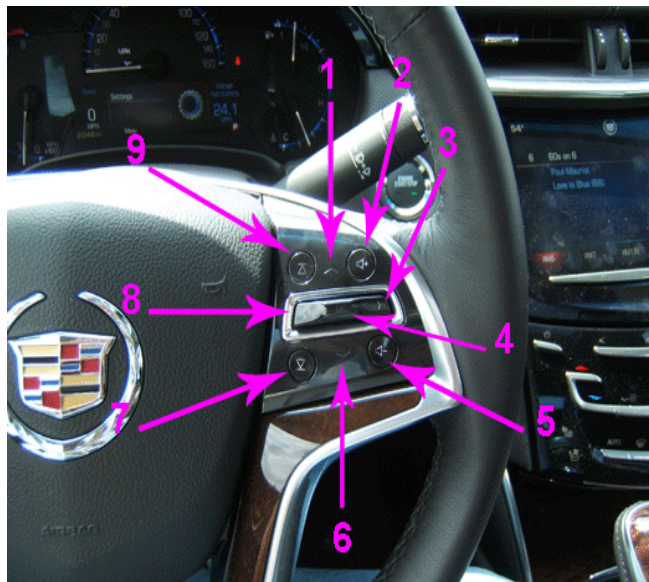
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- **Push to Talk:** For vehicles with OnStar® or a Bluetooth® system, press the **Push to Talk (1)** button, to talk or use a verbal voice command.
- **End Call:** Press the **End Call (2)** button to decline an incoming call, or to end a current call.
- **End Call:** Press the **End Call (2)** button to mute or unmute the infotainment system.

Steering Wheel Controls / Infotainment System

Right Side Steering Wheel Controls - Infotainment System

The following describes the functions of the Infotainment System buttons:



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- **^ or V (Next or Previous):** Press the **Five-Way Control Bar (4) UP** towards (1) to go to the next selection.
- **^ or V (Next or Previous):** Press the **Five-Way Control Bar (4) DOWN** towards (6) to go to the previous selection.
- **< or > (Previous or Next):** Changes cluster vehicle information, when selected under **Vehicle Settings in Information**.
 - Press **> (3)** for the right side cluster information.
 - Press **< (8)** for the left side cluster information.
 - Press **< (8)** when **BACK** is displayed in the cluster to **EXIT** an information selection.

- **SEL (Select):** Press **SEL (4)** on the center of the **Five-Way Control Bar (4)** to select a highlighted menu option.

Notice: These are not SEEK buttons. Active Favorites must be stored in order for this function to operate.

- **Next or Previous Favorite:** To go to the next favorite radio station or CD/MP3 track press the **UP (9)** symbol.

Notice: These are not SEEK buttons. Active Favorites must be stored in order for this function to operate.

- **Next or Previous Favorite:** To go to the previous favorite radio station or CD/MP3 track press the **DOWN (7)** symbol.
- **+ or – (Volume):** Press the **+ (2)** speaker symbol to increase volume.
- **+ or – (Volume):** Press the **– (5)** speaker symbol to decrease volume.

Safety Locks

When activated, the rear door safety locks prevent passengers from opening the rear doors from inside the vehicle. The rear door power windows are also disabled.



2869404

Press the safety locks (1) button to activate the safety locks on the rear doors. The LED indicator light in the switch (2) will illuminate when activated.

Press the safety locks (1) button again to deactivate the safety locks. The LED indicator light will turn OFF.

⇒ If the LED indicator light is flashing as a result of the rear door handle being partially engaged during deactivation, press the safety locks (1) button 2X. to deactivate the flashing LED indicator light and the rear door lockout.

Bluetooth® System

The in-vehicle Bluetooth® system is standard on all models. The Bluetooth® system allows users with a Bluetooth® enabled cellphone to make and receive hands-free calls using the vehicle's audio system, microphone and controls. The Bluetooth® enabled cellphone **MUST** be paired with the vehicle Bluetooth® system **BEFORE** it can be used in the vehicle.

Not all Bluetooth® cellphones will work with the vehicle's Bluetooth® system or support all functions. Bluetooth® enabled cellphones will be tested for vehicle compatibility and a Feature Compatibility list will be published on the Bluetooth® website.

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

For more information go to: <http://www.onstar.com/web/bluetooth>

On the Bluetooth® Home page go to: Bluetooth Enabled Vehicles > Select a Brand > Select Cadillac > Select 2013 Cadillac ATS with the vehicle's radio system > Select > Find Phone

Power Window Operation

Express Window Operation

Power windows with the express-down and/or express-up feature allow the window to be lowered or raised without holding the switch. When operating the driver's power window switch all windows will operate with the express-down and express-up feature.

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

Defogger Grid

When the rear window defogger switch is pressed and the engine is running, the rear defog control system will remain active for 10 minutes. After the initial cycle has lapsed, pressing the switch again will continue rear window defogger operation, but the cycle will only last 5 minutes. The rear defog control system will function continuously if the vehicle speed is greater than 45 mph (70 km/h).

AM-FM Antenna Grid

The AM-FM antenna is integrated with the rear window defogger in the rear window.

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.

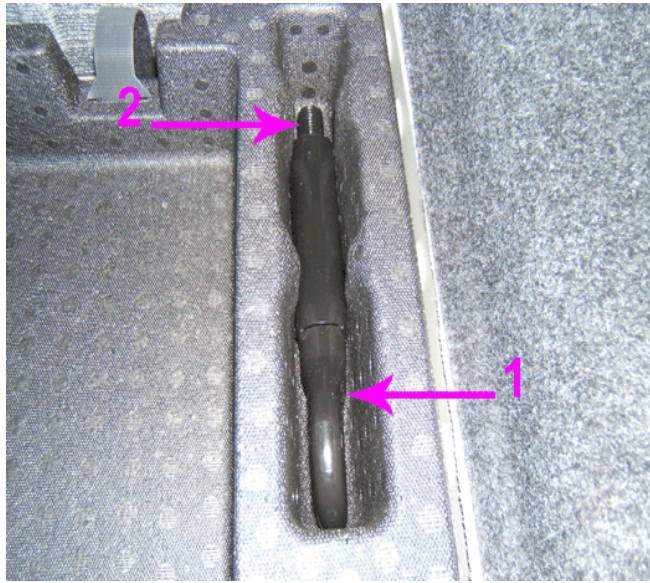
Towing the Vehicle / Flatbed Car Carrier

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 **flatbed car carrier**. A wheel lift tow truck could damage the vehicle.

Using the Tow Eye

Notice: A tow eye may be used to move a disabled vehicle if the proper equipment is used. Use caution and low speeds to prevent damage to the vehicle. There is one threaded socket on the front and one threaded socket on the rear of the vehicle.



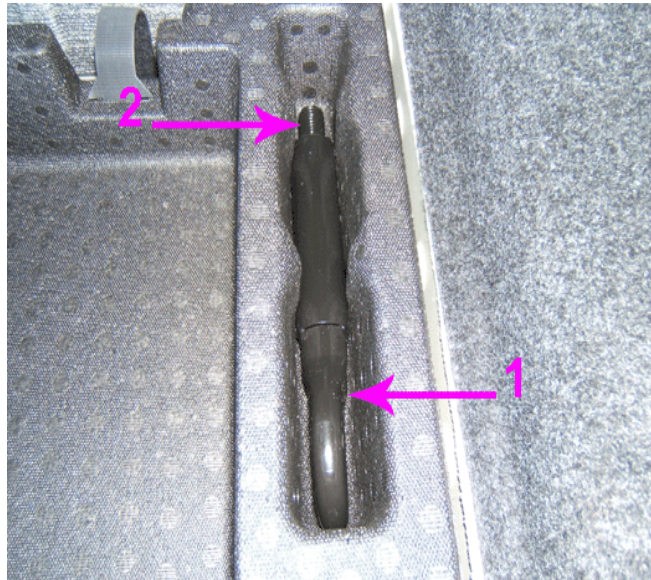
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1. Retrieve the tow eye (1) from its storage compartment in the trunk.



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2. Use a plastic trim tool to remove the tow eye socket cover from the front or rear fascia of the vehicle.



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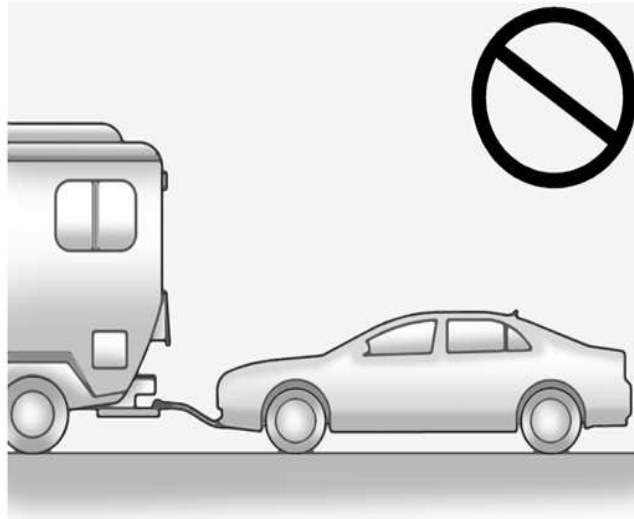
3. Install the threaded end (2) of the tow eye into the threaded socket (1) by turning it clockwise until it stops.
4. When the tow eye is removed, reinstall the cover with the notch in the original position.
5. Return the tow eye to the storage compartment in the trunk.

Recreational Vehicle Towing

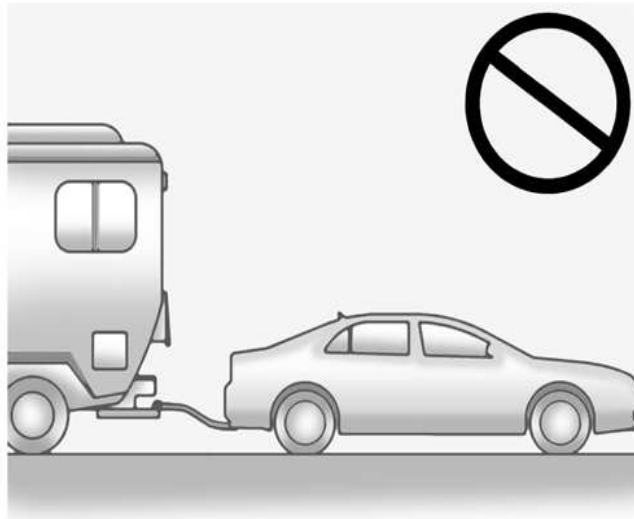
Recreational vehicle towing means towing the vehicle behind another vehicle such as a motor home. The two most common types of recreational vehicle towing are known as dinghy towing and dolly towing.

- **Dinghy Towing:** Towing the vehicle with all four wheels on the ground.
- **Dolly Towing:** Towing the vehicle with two wheels on the ground and two wheels up on a device known as a dolly.

Dinghy Towing



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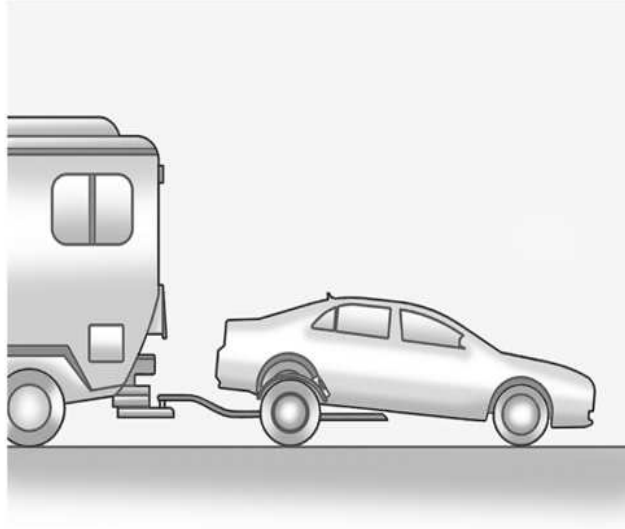


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Notice: If the vehicle is towed with all four wheels on the ground, the drivetrain components could be damaged. The repairs would not be covered by the vehicle warranty. Do not tow the vehicle with all four wheels on the ground.

The vehicle was not designed to be towed with all four wheels on the ground. If a rear-wheel-drive vehicle must be towed, a dolly or a trailer should be used.

Dolly Towing From the Rear (Rear Wheel Drive Vehicles Only)



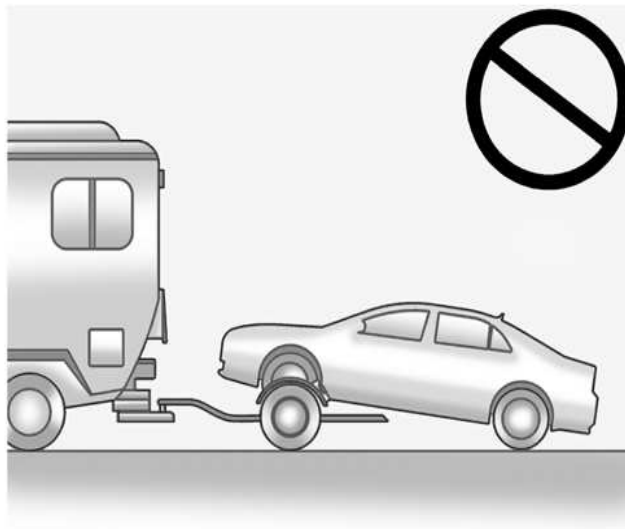
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Vehicles with rear-wheel drive can be dolly towed from the rear.

Use the following procedure to dolly tow a rear-wheel-drive vehicle from the rear:

1. Attach the dolly to the tow vehicle following the dolly manufacturer's instructions.
2. Put the rear wheels on the dolly.
3. Firmly set the parking brake.
4. Put the vehicle in P (Park) for an automatic transmission or in 1 (First) for a manual transmission.
5. Securely attach the vehicle being towed to the dolly following the manufacturer instructions.
6. Clamp the steering wheel in a straight-ahead position with a clamping device designed for towing.
7. Turn the ignition to LOCK/OFF.

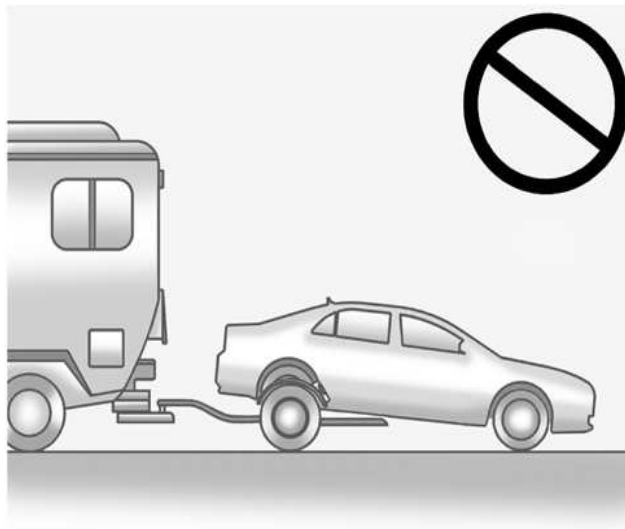
Dolly Towing All-Wheel-Drive Vehicles (From the Front)



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Vehicles with all-wheel-drive **cannot** be dolly towed from the front, they can only be towed with all four wheels on a trailer.

Dolly Towing All-Wheel-Drive Vehicles (From the Rear)



2870603

Vehicles with all-wheel-drive **cannot** be dolly towed from the rear, they can only be towed with all four wheels on a trailer.

Special Tools

The following new tools have been released for the 2013 Cadillac ATS:

Notice: Depending on when the vehicle was manufactured, it may come equipped with R134a or R1234yf refrigerant.

Tool #	Description
GE-45268-130	R-1234yf Refrigerant Flush Adapters
GE-50078	Electronic Refrigerant Leak Detector
GE-50300	R-1234yf Refrigerant Recovery/Recycling Machine
GE-50744	R-1234yf Oil Injection Hose - PAG Oil
GE-50957	R-1234yf Contaminated Refrigerant Recovery Machine
DT-51075	Puller Legs, Manual Transmission - Tremec 6-Speed
DT-51076	Installer, Bearing and Gear, Manual Transmission - Tremec 6-Speed
DT-51077	Shift Rail Seal Installer, Manual Transmission - Tremec 6-Speed

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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