

## Vehicle Interior Cleaning



Bulletin 06-00-89-029A has been released to update information about vehicle interior cleaning.

**IMPORTANT:** The bulletin applies to all 2006-07 GM vehicles, including Saturn, Hummer and Saab, except Cadillac DTS with RPO R9N – Tehama leather.

An article in the August 2006 issue of *TechLink* explained the applications and procedures for low gloss interior cleaners and conditioners.

Harsh cleaning products are not recommended for the low gloss materials. Silicone and wax-based products can alter the appearance of low gloss surfaces. The cleaning products approved by GM are in the neutral-pH range, water based, biodegradable, and do not contain bleach, solvents or harsh chemicals.

**TIP:** Interior trim pieces on new vehicles

continued on page 3

## SI Revisions

This is a follow-up to the October 2006 *TechLink* article *SI Definitions – Removal vs. Replacement* which mentioned that SI revisions would be coming. Since that article was published, SI has been updated for the following model years and service categories.

### Beginning with Model Year 2003 – ENGINE

Engine Mechanical

### Beginning with Model Year 2007 – TRANSMISSION/ TRANSAXLE

Automatic Transaxle  
Automatic Transmission  
Manual Transaxle  
Manual Transmission  
Transfer Case

**TIP:** Model years before this update have a separate Unit Repair Manual available.

These categories have two repair selections:

### Repair Instructions – On Vehicle

Here you will find replacement procedures. A replacement procedure is the in-car repair procedure for the component. The replacement procedure also includes the steps required to remove all of the vehicle platform components before accessing the specific component.

### Repair Instructions – Off Vehicle

Here you will find separate procedures for removal, disassembly, cleaning and inspection, assembly, and installation for a specific component. These procedures are meant to be performed with the component on a stand or bench. There is logical order to the way these procedures are listed in SI. For the most part, you can follow the procedures from top to bottom to perform a complete overhaul.

**Removal Procedure** contains instructions to remove a component from a larger assembly.

**Disassemble Procedure** contains instructions to disassemble the

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component that was removed, and is typically performed on a bench.

**Cleaning and Inspection Procedure** contains instructions to clean, inspect, make adjustments to or measure the component.

**Assemble Procedure** contains instructions to assemble the component that was removed, and is typically performed on a bench.

**Installation Procedure** contains instructions to install a component back into a larger assembly.

Some engine-specific procedures also included in the Off Vehicle category are cylinder boring, honing and valve grinding procedures.

Understand that you will have to use your judgment when it comes to deciding which procedure to follow. You may not need to perform every procedure, based on the repair that needs to take place. Example: if you are replacing a crankshaft, you may not need to remove the cylinder head.

### REMINDER

**Replacement** procedures can be performed on vehicle.

**Removal and Install** procedures are performed off vehicle.

– Thanks to Powertrain Service Engineering and Mechanical Service Information Development Teams

## Xenon Lamp Control Module

On the 2005-06 Saab 9-5, repeated need for replacement of the xenon lamp ECM/AHL may be caused by mis-matching the xenon bulb with the ECM.

The supplier was changed from Osram to Philips. During the supplier change, a design change of the bulb eliminated a coil. This coil was shown to cause a voltage spike to the ECM/AHL during headlamp start up that would damage the ECM.

All xenon bulbs carry the same part number, regardless of supplier. However, the 10-digit serial number on the lower left hand side of the label of the Philips bulb indicates whether the bulb has a coil or not. The digits in positions 5 through 7 indicate the coil situation.

Positions 5 through 7 of serial number	Coil/No Coil
139 or 140	Lamp has coil
141 or 142	Lamp has NO COIL

If the vehicle has a failed headlamp ECM/AHL, inspect the bulb serial number. Bulbs with the 139/140 sequence must be replaced with the 141/142. Only the Philips bulb will have this code/serial number.

**TIP:** The xenon headlamp ECM is the same module as the AHL.

– Thanks to Jeff Gorenflo



## Oil Filter Debris

This information applies to 2005-07 vehicles with these 4-cylinder engines:

- 2.0L Engine (VIN X - RPO LNF)
- 2.0L Engine (VIN P - RPO LSJ)
- 2.2L Engine (VIN D or F - RPO L61)
- 2.4L Engine (VIN B or P - RPO LE5)
- 2.4L Engine (VIN Z - RPO LAT)

On rare occasions, machining debris may be found on the oil filter element during the vehicle's first oil change. This debris consists of small boring chips and milling burrs from the oil passage that is between the oil pump and oil filter.

If this condition is encountered, replace the engine oil and filter. No additional repairs should be attempted because this debris does not affect the reliability or durability of the engine.

– Thanks to Jamie Parkhurst

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### Manager, Product Readiness:

R. M. (Bob) Savo  
GM Service and Parts Operations  
Bob.Savo@GM.com

### Publisher & Editor:

Mark Stesney  
GM Service and Parts Operations  
Mark.Stesney@GM.com

### Technical Editor:

Jim Horner  
jhorner@gpworldwide.com  
1-248-816-3641

### Production Manager:

Marie Meredith

### Desktop Publishing:

Supreme Graphics, Inc.  
supremeinc@supremeg.com

### FAX number:

1-248-649-5465

### Write to:

TechLink  
PO Box 500  
Troy, MI 48007-0500

### GM TechLink on the Web:

GM DealerWorld

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# Vehicle Interior Cleaning – continued from page 1

and service components arrive with a protective film. The approved cleaner for leather/vinyl/plastic/interior paint can be useful in removing adhesive residue left when the protective film is removed.

The revised bulletin includes information about a new piece of cleaning equipment and the cleaning concentrate used with it. Here are highlights.

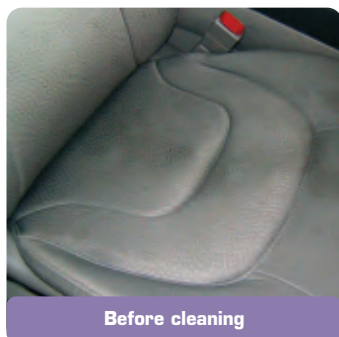
## Ruby Upholstery Extractor

Ruby Upholstery Extractor 627-CC-300AU is available from GM Tools and Equipment (phone number 1.800.GMTOOLS).

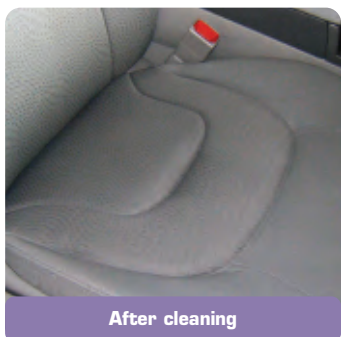
The materials explained in the August article are suitable for cleaning many interior areas and removing many kinds of stains. But, when faced with difficult-to-clean stains and when cleaning a large area, the best results are obtained using an extractor machine and concentrate. The Ruby Extractor is such a machine.

Many features of the Ruby machine make it ideal for cleaning automotive interiors, because it controls the amount of cleaner and water applied, to avoid soaking.

- water pump pressure regulated to not wet fabric surface more than necessary
- effective stain removal products help break the stain down so the stain is easily removed with less water



Before cleaning



After cleaning

- dry time is greatly reduced because there is less water on the fabric surface, and the vacuum head makes better contact with the surface to easily remove the stain
- the narrow design of the vacuum head allows detail work in tight areas

**TIP:** Vacuum the upholstery or carpet before wet cleaning.

## Cloth and Carpet Cleaner Concentrate

The concentrate that goes into the Ruby machine is mixed at 4 oz. of product per gallon of water. It is slightly acidic, to remove soap and alkalinity from the fabric surfaces left behind by using improper, soapy solutions.



Dirt, grease and grime are easily removed when the proper solution is used during the extraction process.

Optical brighteners in the concentrate help rejuvenate fiber color.

	U.S.	Canada
Cloth/Carpet Cleaner Concentrate	88861420 (67.6 oz.)	88861421 (2L)

## Fabric Protector

A fabric protector is now available. Applying the protector after cleaning makes it easier to clean the fabric the next time.

Description	General Motors/Saab	GM Canada/Saturn
Solvent – Fabric Care (non VOC)	88861423	22731175
Solvent – Fabric Care (VOC)	88861424	15210953

**TIP:** Initially, it may be necessary to obtain the fabric protector from a Saturn dealership, until it is available through the normal parts system.

– Thanks to Ron Martin and Greg Hadfield

## Intake Manifold Gasket

This information applies to the 2005-06 Cobalt SS and 2004-06 Ion Redline with 2.0L Engine (VIN P – RPO LSJ).

On rare occasions, the engine oil dipstick may become unseated on hard acceleration, resulting in an engine oil leak. If the engine is operated long enough like this, a P0171 DTC could set due to the engine ingesting unmetered air.

This condition is the result of excessive crankcase pressure on hard acceleration. The crankcase pressure may be the result of an intake manifold gasket concern that allows supercharger boost pressure to bypass the intake manifold gasket where it seals around the PCV orifice, between the number 2 and 3 intake runners.

If SI diagnostics do not isolate a cause for this concern, replace the intake manifold gasket using p/n 12597855, which contains an updated sealing surface around the PCV orifice.

– Thanks to Jamie Parkhurst

## Navigation Metric Scale

On the 2007 Saab 9-3, the navigation system may show a metric scale instead of the US mileage scale. If this occurs, perform the following:

Using the steering wheel buttons, scroll to SETTING, UNITS. Select and save METRIC. Then repeat these steps and select and save US.

With the US units saved, the Navigation screen will change to a scale in miles.

– Thanks to Jeff Gorenflo

## Limited Sound from Radio Speakers

This information applies to the 2007 Cadillac Escalade and GMC Sierra Denali, Yukon Denali with RPO Y91.

After replacing the amplifier on a vehicle equipped with RPO Y91, sound may be playing from only the left front speaker.

When an amplifier is replaced on a vehicle equipped with RPO Y91, the amplifier must be SPS programmed using TIS2WEB and the Tech 2.

– Thanks to Paul Radzwilowicz



# Universal Home Remote

Beginning with the 2007 model year, GM has changed suppliers for the Universal Home Remote option UG1 for numerous GM vehicle platforms. The product trade name for the new system is Car2U™ Home Automation System.

The two products can be distinguished by the number of LED lights located on the unit. The original system contains one LED located above the middle button. The new system contains three LEDs with one located above each of the three buttons.

The programming method for the Car2U Home Automation System differs from the previous product and requires a different process. Because both programming methods are listed in the MY 2007 owners' manual, it would be beneficial to help customers identify which system is installed on their vehicle and which programming method they should follow.

A Quick Start brochure for the new Car2U system is available and should be provided to the customer at the time of vehicle delivery. The brochure is available through DealerWorld (DWD Store). The part number for the brochure is LGMB-01.

The Quick Start brochure provides instructions to the user on how to program the Car2U Home Automation System. It also provides a toll free customer assistance number 866.572.2728



Original Homelink System (one LED)



New Car2U System (three LEDs)



Quick Start brochure

and a convenient web site address [www.learcar2u.com](http://www.learcar2u.com).

The chart on the right lists the 2007 vehicles that may be equipped with either the new Car2U Universal Home Automation system or the familiar HomeLink system.

The second chart below lists the 2007 vehicles that are equipped with only the Car2U Universal Home Remote system.

A Distance Learning session is also being planned in the near future. The broadcast will allow each dealership to review how to program the new system, how to utilize the Quick Start brochure and how to perform diagnostic checks for service requirements as well as customer support provided by the supplier.

## Customer Tips

Review the programming instruction to become familiar with the operation and use of Car2U system. If you need any assistance or have questions, direct inquiries to <https://www.learorders.com/contactus.aspx> or 866.572.2728.

If a customer with a Car2U-equipped vehicle indicates that their device will not work, review the programming instructions with the owner. Be sure they are using the correct programming procedure for the Car2U system. Provide the owner with the Quick Start brochure, the web site [www.learcar2u.com](http://www.learcar2u.com) and the toll free number so they can program the device on their own, should a similar situation occur in the future.

– Thanks to Doug Daugherty and Dave Roland

### 2007 Vehicles Equipped with either HomeLink or Car2U Universal Home Automation System

Buick	Rendezvous
Cadillac	CTS Escalade Escalade EXT Escalade ESV SRX STS XLR
Chevrolet	Avalanche Corvette Impala Malibu Suburban Tahoe
Saturn	Aura
GMC	Yukon Yukon XL Yukon Denali Yukon XL Denali

### 2007 Vehicles Equipped with only Car2U Universal Home Automation System

Chevrolet	Silverado
GMC	Sierra

## Reverse Blockout

Some customers may comment about difficulty shifting into reverse or blocked shifts on the Aisin RPO MA5 manual transmission used in Colorado, Canyon, Hummer H3, Solstice and Sky.

Engineering has determined that a blocked reverse shift may occur 20% of the time. This condition is an inherent characteristic and should be considered normal.

A higher frequency of blockouts (above 20%) may be considered abnormal and is cause for a vehicle inspection. Much also depends on the cus-

tomers' shifting habits (normal or aggressive).

The correct procedure to follow when shifting for blockout is:

1. Shift into 1st gear
2. Move vehicle forward slightly
3. Stop and shift into reverse.

**TIP:** Shifting the transmission into reverse while the vehicle is moving increases the tendency to blockout due to damage of the meshing teeth and is considered abuse.

– Thanks to Chuck Krepp

## Turn Signals Flash Fast

On some 2007 Chevrolet Silverado and GMC Sierra trucks, the turn signals (left, right or both) may flash at a high rate of speed. The root cause appears to be a software anomaly in the BCM.

Reprogram the Body Control Module (BCM) with updated software. This new service software was released to TIS2Web data update version 12.0 available December 4, 2006. As always, be sure your Tech 2 is updated with the latest software version.

– Thanks to Jim Will

## Running Change to Window Regulators

This information applies to 2006 Saab 9-3 Sedans from VIN 61031969 onward and 2006 Saab 9-3 Combis from VIN 61031971 onward. This does not apply to convertibles.

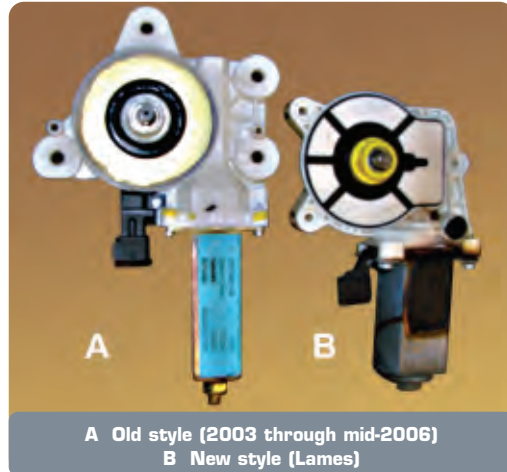
A replacement window motor may not bolt up to the existing regulator and is from a new manufacturer (Lames). No supersession is shown in the electronic parts catalog-EPC.

From the mid-2006 model year, the rear door window motors/regulators were changed to a different manufacturer on manual transmission cars without anti-pinch only. The front doors on all 9-3 Sedans & Combis changed to the same type at VIN 71108595.

Neither change is shown in EPC, and parts are not available from SAN. No date is set for correcting EPC at this time.

The only current solution is to replace the regulator/motor assembly with the earlier version. The operational characteristics should be the same.

– Thanks to Jeff Gorenflo



## DVD Radio Operation

This information applies to 2007 Chevrolet Avalanche, Silverado, Suburban, Tahoe, and GMC Sierra, Yukon, Yukon Denali, Yukon XL, Yukon Denali XL with RPO U3U or UVB.

Some navigation radios will not play a DVD audio or DVD video disc. There are two navigation radios released for the 2007 models listed above. Both navigation radios look identical but have different functions internally.

A navigation radio with RPO UVB listed on the RPO sticker is capable of playing DVD movies and DVD audio.

A navigation radio with RPO U3U listed on the RPO sticker will not play DVD movies or DVD audio. This navigation radio is capable of playing only a DVD navigation disc. This is normal operation and no repairs should be attempted.

**TIP:** A simple way to tell if a navigation radio is capable of playing DVD audio or video is to check for the DVD symbol on the left lower corner of the radio.

– Thanks to Paul Radzwilowicz

## Improper Fill Procedure

When working on a 2002-07 Saab 9-3 or 9-5, be sure to follow the correct procedure found in WIS under Transmission — Automatic — 5 speed — Adjustment Replacement — Checking the transmission fluid.

Inadvertently removing the 20mm plug near the transmission range switch may damage the transmission. **This plug is actually the anchor bolt for the 3rd gear band. Removing it may cause**

**internal parts to become dislodged and codes to set, requiring transmission replacement.**

Do not remove any of the plugs on top of the transmission for checking or adding fluid. Use only the transmission fluid dipstick on the front of the transmission for fluid level checking and filling.

– Thanks to Jeff Gorenflo

## Underhood Rattle

Some owners of a 2007 Chevrolet Silverado or GMC Sierra may comment on a rattle from the dash area. This rattle could be caused by the engine cover contacting the front of dash/cowl area.

The engine cover is retained at the rear by two C-style retainers.

An engine harness that is not properly seated in its U-channel can obstruct

the engine cover from going into its C-retainers. This will push the rear of the engine cover up and contact the front of dash/cowl area.

To correct this concern, fully seat the

engine harness into the U-channel. Reinstall the engine cover, making sure it is retained properly in the C-retainer.

– Thanks to Jim Will



Harness not properly seated in U-channel



Cover contacting cowl



Harness in U-channel

# Trailer Connections

## Trailer Brake Controllers

Here's how to connect a trailer brake controller to the 2007 Silverado and Sierra pickups. These instructions do not apply to trucks with option JL1 (Integrated Trailer Brake Controls) available on H.D. trucks for 2007. Also, trucks with option TP2 (H.D. availability) already have the 12v battery trailer feed used as part of that RPO.

This hookup is entirely different from the earlier Silverado Classic and Sierra Classic.

**TIP:** The owner manual (page 483) refers to 4 wires, but there are 5 wires looped back in the IP harness. The fifth wire is not required with most systems (see table below).



Trairling wire harness



Wire colors

1. Locate the trailer brake control circuits looped and taped to the main harness under the IP.
2. Pull the trairling wire harness down.
3. Match vehicle harness label circuit functions to the trailer brake controller jumper harness functions.

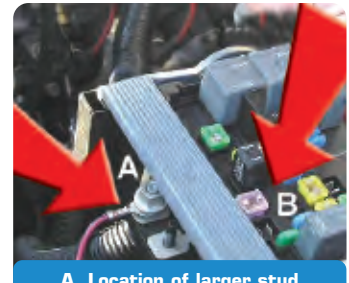
**TIP:** Match functions. The colors of wires that are to be joined together may not match.

## Vehicle Harness Functions

Wire Color	Function
Dark Blue	Switched power from controller to trailer brakes
Red with Black Stripe	Fused vehicle power to electrical brake controller
Light Blue with White Stripe	Brake switch input to power electric brake controller
White	Ground
Orange	CHMSL (not required with most systems)



Underhood harness location



A Location of larger stud  
B Existing fuse

4. After completing the under-IP connections to the electric brake controller, open the hood and locate the red wire taped to the harness between the under-hood electrical center and the driver side front fender.
5. Break the tape on the red wire and pull the wire toward the front of the vehicle.
6. Remove the cover from the electrical center.
7. Place the terminal on the larger of the two studs at the front of the electrical center and secure with an M8 nut.

**TIP:** The fuse is already present in the vehicle to power the electric trailer brake controller system.

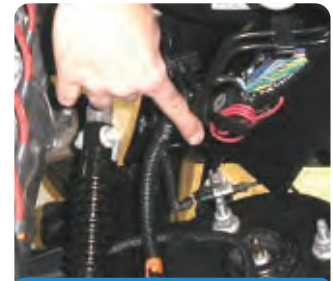
## Auxiliary 12 Volt Feed to Trailer

This hookup may be used to operate electrical devices in the trailer – for example, a refrigerator or a battery charger.

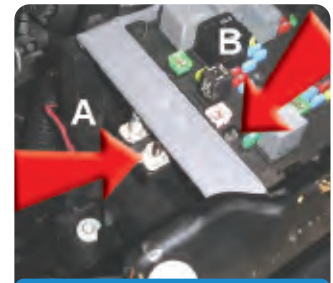
1. Locate the red wire looped and taped to the chassis harness below the brake master cylinder.
2. Break the tape and route the wire to the front of the vehicle under-hood electrical center.
3. Place the terminal on the smaller of the two studs on the electrical center and secure with an M6 fastener.
4. Install a 40 amp fuse to power the circuit.

**TIP:** Devices powered by this fuse will drain the vehicle battery if left connected with the vehicle not running.

– Thanks to Steve Love



Location of wire loop



A Location of smaller stud  
B Install fuse

## Hands Free Phone Kit Connector Availability

The connector 357 for the hands free phone kit has been deleted for the 2006-07 Saab 9-5. For the 2007 9-3, it is dependent upon the build option.

For the 9-3 2.0T, the connector is

present if the car is not an Aero and has the premium audio system (6-disc changer, additional speakers, XM).

**TIP:** Not on any model with Navigation or OnStar.

For the 9-3 Aero 2.8 HFV6, the connector is present if the car has the Touring Package (rear park assist, memory seats, rain sensing wipers).

**TIP:** Not on any model with Navigation or OnStar.

– Thanks to Jeff Gorenflo

## Sunroof Water Leak

Some owners of a 2007 Silverado or Sierra with RPO CF5 may comment of a water leak from the driver side of the sunroof assembly. This could be caused by a blockage of the driver side sunroof drain hose in the cowl. In some cases, the drain hose may be too long and the end of the hose is bottomed out against the body sealer.

To correct this concern, remove the cowl screen and wiper assembly to shorten the hose. This will provide additional clearance between the end of the drain hose and the body sealer.

– Thanks to Jim Will



## “Wrong” Key Fob

Owners of some 2007 Cadillac XLR, V-Series, Chevrolet Corvette and Z06 models may comment that the key fob they received with their new 2007 vehicle does not match the photo shown in the owner manual.

The key fob (left illustration) shown in the owner manual never went into production vehicles. The key fob in the right illustration is the correct production key fob for all 2007 and prior model vehicles. An insert was placed in all owner manuals stating this change. Do not attempt to order the new style key fob as it is not available



**TIP:** When attempting to order the key fob shown in the owner manual, the same key fob used in prior model years will be received from SPO.

– Thanks to Dino Poulos

## Lower Timing Gear Tensioner Holding Tool Tips

This information applies to Rainier, TrailBlazer, Colorado, Envoy, Canyon, Bravada, HUMMER H3 and Saab 9-7X built between 2004-07 with any of the following engines:

- 2.8L (VIN 8 – RPO LK5)
- 2.9L (VIN 9 – RPO LLV)
- 3.5L (VIN 6 – RPO L52)
- 3.7L (VIN E – RPO LLR)
- 4.2L (VIN S – RPO LL8)

On rare occasions, the Lower Timing Gear Tensioner Holding Tool (EN-48464) may come out of position while replacing the cylinder head as outlined in 06-06-01-017C. If this occurs, the timing chain tensioner will ratchet out, and the engine oil pan and front cover will have to be removed to reset the timing chain tensioner.

Here are some tips that may prevent this concern from occurring:

1. Thoroughly review 06-06-01-017C before starting the cylinder head replacement process.
2. Review the June 2006 emerging issues broadcast, which contains a video of that highlights the procedure for a 3.5L L52 5 cylinder engine. An archived copy of this seminar can be viewed by visiting [www.gmtraining.com](http://www.gmtraining.com). Once you log in with your Training Person ID, you can view the seminar by taking the following path:

Web Video Library > Click Technical > Type EN48468 in the search box > Click Search > Click Emerging Issues - June 2006 > Scroll the list of topics > Click New tool EN48468 > Click Play.

**TIP:** General Motors employees logged

into GM Online may not be able view this video due to a conflict with the GM Online firewall.

**TIP:** Canadian Dealers: refer to taped copy of the August 2006 TAC TALK IDL broadcast.

3. Before using the tool, be sure the tool handle and threaded rod unscrew from the wedge.

The tool handle should not unscrew from the threaded rod, leaving the threaded rod screwed into the wedge. If it does, apply thread locker to the threads of the tool handle and screw it onto the threaded rod to prevent it from coming off in the future. Do this before using the tool.

4. When inserting the wedge, be sure it is installed in the correct direction.
5. Bulletin 06-06-01-017C says the wedge should be lightly seated using a couple of very light taps with a small plastic or brass hammer. Although these should be light taps, they should be solid to ensure that the wedge is seated properly.

– Thanks to Jamie Parkhurst



## Remote Vehicle Start Kit Update

A remote vehicle start (RVS) kit is available for dealer installation in the following 2007 vehicles:

- Buick Terraza
- Buick LaCrosse/Allure
- Buick Lucerne
- Cadillac DTS
- Chevrolet Malibu
- Chevrolet Uplander
- Chevrolet Impala
- Chevrolet Monte Carlo
- Chevrolet Full-size Utilities
- Chevrolet Full-size Pickups
- Chevrolet Equinox
- GMC Full-size Utilities

- GMC Full-size Pickups
- GMC Acadia
- Pontiac G6
- Pontiac Montana
- Pontiac Grand Prix
- Pontiac Torrent

**IMPORTANT:** To qualify for installation of the RVS accessory kit, the vehicle must be equipped with an automatic transmission and RPO AP8. While AP8 may be standard equipment on some vehicles, it must be ordered for others.

The vehicle with RPO AP8 is remote-start ready. Hardware typically includes hood-ajar switch and associated wiring, an extended range receiver, and antenna.

The remote start accessory kit includes key fob transmitters with remote start capability, software download instructions and a SPID label.

For answers to questions you may have about model application, VIN code, and the part numbers for the applicable installation kit and instruction sheet, go to the [TechLink](http://TechLink) website. Click on the Reference Guide tab, then scroll down to Remote Vehicle Start Kit 2007 applications. Click to open the application table.

**NOTE:** The table for 2006 vehicles is still available in the Reference Guide, also.

– Thanks to Leann Chapin



## Car Issues – Fix It Right the First Time

Model Year(s)	Vehicle Line(s) / Condition	Do This	Don't Do This	Reference Information / Bulletin
2005-06	Cobalt, Pursuit (Canada) – Shifter binding on automatic shifter	Replace slider and rails	Don't replace shifter assembly	06-07-30-004
2003-06	CTS – Squeak/creak noise in front end at slow speeds while braking or turning	Install new insulating spacer and rate washer	Don't replace entire control arm	06-03-08-008
2003-06	ION – No crank or no start, codes set	Codes set – replace ignition switch. Service part installed – install new BCM	Don't replace BCM unless ignition switch previously replaced	04-08-45-005C
2004-06	Grand Prix, Monte Carlo, Impala, Aztec, Rendezvous, DTS, Lucerne, Grand Am, Bonneville, LeSabre, Park Avenue, Century, Regal, LaCrosse, Cavalier, Sunfire, Malibu Classic, U Vans, Seville, Deville – Inner tie rod boot snaking. Causes noise with steering wheel rotation	Replace inner tie rod boot or boots	Don't replace complete steering gear	06-02-32-005
2004-06	Aveo – Crunch, squawk or grind noise from front suspension when driving over bumps at low speed	Replace stabilizer bar bushings	Don't replace front lower control arms	06-04-08-004
2006	Impala/Monte Carlo, DTS, Lucerne – Charge light on/Battery message on DIC, codes set	Reflash BCM	Don't replace battery current sensor, generator or BCM	06-06-03-006
2005-07	STS with navigation radio – Numerous operating conditions	Reflash radio	Don't replace radio.	05-08-126-001A
2006-07	Impala/Monte Carlo – SDM code difficult to clear	Reprogram SDM	Don't replace SDM	06-09-41-006
2002, 2004-07	VUE, Equinox, Torrent, G5, Pursuit (Canada), Cobalt – Front bottom seat cover loose	Repair seat cover	Don't replace seat cover	06-08-50-005A



## Truck Issues – Fix It Right the First Time

Model Year(s)	Vehicle Line(s) / Condition	Do This	Don't Do This	Reference Information / Bulletin
2005-06	All Fullsize and Midsize Pick-ups and Utilities, Utilities, G Vans, H2 and H3 – Brake Rotor Corrosion	Burnish rotors for cosmetic brake corrosion	Don't resurface brake rotors for cosmetic corrosion	00-05-22-002F
2000-07	All platforms with side terminal batteries – intermittent no crank, no start condition	Clean battery terminal threads and/or replace cable bolt, check customer complaint or part cost	Don't replace battery	02-06-04-015
2002-06	TrailBlazer EXT, Envoy XL and Envoy Denali XL – Repeated liftgate glass breakage	Repair liftgate hinges, replace rubber glass bumpers	Don't replace entire liftgate assembly	06-08-66-011A
2006	HUMMER H3 – Sunroof rattles	Add flocking material	Don't replace sunroof module assembly	06-08-67-007
2002-07	RPO LL8 engine – Misfire, SES light, codes set	Inspect for build-up on spark plug boot, replace AIP seal	Don't return vehicle without replacing AIP seal	06-06-04-048
2007	TrailBlazer, Envoy, Rainier, Saab 9-7X – P0483, SES illuminated	Update PCM software	Don't perform other repairs unless directed by SI	06-06-02-010A
2006-07	Rainier, TrailBlazer, Envoy, Denali, Saab 9-7X – Shift indicator does not show correct gear	Adjust shift cable	Don't replace shift cable, P/N switch, or shift assembly	PIT4108A 06-07-30-029



## Powertrain

Model Year(s)	Vehicle Line(s) / Condition	Do This	Don't Do This	Reference Information / Bulletin
1997-2007	Full-size and Mid-size Pickups and Utilities, H2/H3, Saab 9-7X, SRX, STS – Transfer case mounted speed sensor connector plastic locks flex/bend during disconnect	Use improved connector for field repair	Don't use old part	06-04-21-001
2002-06	Rendezvous, Terraza, Venture, Uplander, Silhouette, Aztek, Montana, RELAY – Moan or groan from RDM during turning maneuvers	Perform refill procedure	Don't replace RDM if it passes tests in SI	06-04-114-001

**Know-How  
Broadcasts  
for  
April**

10207.04D Emerging Issues  
New Model Features

April 12, 2007 9:30 AM and 12:30 PM Eastern Time

For Web NMF courses, log on to the GM Training Website ([www.gmtraining.com](http://www.gmtraining.com)). Select Service Know-How/TechAssists from the menu, then choose New Model Features for a selection of courses.



– Thanks to Tracy Rozman