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2004 Cadillac CTS

Information on Upgrading Certain OnStar Generation 5 Analog/Digital-Ready Systems to OnStar Generation 6 Dual-Mode (Analog/Digital) #05-08-46-006E - (Jan 9, 2006)

Information on Upgrading Certain OnStar® Generation 5 Analog/Digital-Ready Systems to OnStar® Generation 6 Dual-Mode (Analog/Digital)

2003-2004 Buick Rendezvous, LeSabre

2004 Buick Rainier, Regal

2004-2005 Buick Century

2002-2004 Cadillac DeVille, Seville

2003-2004 Cadillac CTS

2003-2004 Cadillac Escalade Models

2004-2005 Cadillac SRX (Built Prior to VIN Breakpoint 50169388), XLR

2005 Cadillac CTS (Built Prior to VIN Breakpoint 50162843), STS (with RPOs DD8 & TQ5), STS (with RPO DD7 or DD8)

2002-2004 Chevrolet Impala, Monte Carlo, TrailBlazer Models

2003-2004 Chevrolet Avalanche, Express, Silverado, Suburban, Tahoe

2003-2005 Chevrolet Cavalier, Venture

2004 Chevrolet Colorado

2004-2005 Chevrolet Malibu, Malibu Maxx

2005 Chevrolet Cobalt, Corvette, Equinox

2002-2004 GMC Envoy Models

2003-2004 GMC Savana, Sierra, Yukon Models

2004 GMC Canyon

2002-2004 Oldsmobile Bravada

2003-2004 Oldsmobile Silhouette

2003-2004 Pontiac Aztek, Bonneville

2003-2005 Pontiac Montana, Sunfire

2004 Pontiac Grand Prix

2005 Pontiac G6

2003-2004 HUMMER H2

This program is only available to dealers located in the United States. Canadian dealers will not be able to order upgrade kits at this time.

This bulletin is being revised to update the models and information. Please discard Corporate Bulletin Number 05-08-46-006D (Section 08 - Body/Accessories).

This bulletin is being issued to provide dealer personnel with information and procedures to follow should an owner wish to upgrade their OnStar® Generation 5 analog/digital-ready system to an OnStar® Generation 6 Dual-mode (analog/digital) system.

Service Procedure

Customers who wish to upgrade their vehicle to an OnStar® Generation 6 Dual-mode (analog/digital) system will be required to purchase a 3-year, non-refundable subscription to OnStar®. If they agree to this, they will be eligible for an upgrade, which will be provided to them at no additional cost. *To participate in this program, the customer will pay the dealership for the 3-year subscription. Your*

dealership's open account will be charged for the upgrade package so you must collect payment from your customer. The prices for the three upgrade packages are as follows:

- 3-year Safety and Security (S&S) ADT package: \$549 plus tax (if applicable)
- 3-year Directions and Connections (D&C) ADT package: \$1099 plus tax (if applicable)
- 3-year Luxury and Leisure (L&L) ADT package: \$2159 plus tax (if applicable)

Important: Dealers should not remit OnStar® subscription-related taxes to their taxing authority as OnStar® is responsible for tax remittance.

Important: If the customer sells their upgraded vehicle prior to the end of the 3-year subscription, any unused whole months of their subscription can be transferred to their next *NEWLY purchased or leased* OnStar®-equipped General Motors vehicle.

Important: The new Dual-mode (analog/digital) OnStar® Vehicle Communication Interface Module (VCIM) that will be installed into the customer's vehicle, as part of this upgrade, will have a new telephone number assigned to it. There is no way to transfer the customer's current telephone number to the new system.

Important: Only vehicles listed in this bulletin will be eligible for the digital-upgrade program. You may also determine vehicle upgradeability by typing the VIN into the appropriate field on www.onstarenrollment.com.

Technicians are to install the OnStar® digital-upgrade kit using the following procedure:

1. If the customer's vehicle is listed in this bulletin and they have agreed to sign up for a 3-year, non-refundable subscription to OnStar®, an upgrade kit can be ordered by faxing in a form that is titled "Terms and Conditions of Your OnStar® Service". This form can be obtained by calling the distributor, Autocraft, at 1-888-947-8100. This form can also be downloaded from Autocraft's website, www.aeorder.com. After this form is completely filled out, and the customer's signature is obtained, fax it to 972-466-6316. Please give a copy of this form to the customer and keep a copy for dealership records. An upgrade kit will be shipped out within 24 hours and a pre-paid return package label will be included for returning the customer's Generation 5 VCIM.

Important: By returning the customer's original VCIM, you will avoid a significant non-return core charge. If you do not ship back the original VCIM within 30 days of kit order, your dealership will be charged for this VCIM.

2. Refer to the Parts Information table below to determine which OnStar® upgrade kit to order.
3. *Place the new OnStar® Owner's Manuals from the upgrade kit in the customer's vehicle where they can review some of the new features of the dual mode (analog/digital) system. The continuous digit dialing feature should be highlighted to the customer to avoid a return to the dealership for dialing instructions.* Discard any existing OnStar® Owner's Manuals that may be in the customer's instrument panel compartment.
4. *Prior to installing the new dual mode (analog/digital) VCIM, the technician must press the OnStar® white dot button or the phone button. After the system responds, say "units". After the system responds, say "verify". Write down the number of units that are in the customer OnStar® account. You will need this when you set up the new OnStar® account.*
5. Unscrew the existing analog OnStar® antenna mast from the antenna base and discard. Screw in the provided analog/digital OnStar® antenna mast into the antenna base. This step only applies to the following 2003 model year vehicles (skip to *step 5* if the vehicle to be upgraded is not listed below).
 - 2003 Buick
Rendezvous
 - 2003 Cadillac Escalade, Escalade ESV, Escalade
EXT
 - 2003 Chevrolet Avalanche, Silverado, Suburban, Tahoe,
Venture
 - 2003 GMC Sierra, Yukon, Yukon
XL
 - 2003 HUMMER
H2
 - 2003 Oldsmobile
Silhouette
 - 2003 Pontiac Aztek,
Montana
6. *Replace the existing OnStar® analog on-glass antenna mast, inner coupler and outer coupler with the provided new digital antenna components. Refer to the antenna component replacement instructions in the Cellular Communication section of SI. This step only applies to the following vehicles (skip to step 6 if the vehicle to be upgraded is not listed below).*
 - 2003-2004 Buick
LeSabre
 - 2004 Buick
Regal
 - 2004-2005 Buick
Century

- 2002-2004 Cadillac DeVille, Seville
- 2003-2004 Cadillac CTS
- 2004 Cadillac SRX built prior to VIN breakpoint 40171353
- 2002-2003 Chevrolet TrailBlazer, TrailBlazer EXT
- 2003-2004 Chevrolet Express
- 2002-2004 Chevrolet Impala, Monte Carlo
- 2003-2005 Chevrolet Cavalier
- 2002-2003 GMC Envoy, Envoy XL
- 2003-2004 GMC Savana
- 2002-2003 Oldsmobile Bravada
- 2003-2004 Pontiac Bonneville
- 2003-2005 Pontiac Sunfire

7. *The 2005 Cadillac STS kit may include a new inside rearview (ISRV) mirror assembly. If the kit you receive includes an ISRV mirror, please remove the existing ISRV mirror from the vehicle and install the one provided in the kit per the instructions in SI.*
8. Replace the OnStar® VCIM in the vehicle with the provided (analog/digital) VCIM. Refer to the Communication Interface Module Replacement procedure in the Cellular Communication section of SI. This kit may include a new VCIM bracket. If it does, use this new bracket on the vehicle and discard the original bracket. The VCIM may have a small jumper harness attached. If it does, plug the OnStar® wiring connector into the connector of the jumper harness.
9. After the new VCIM is installed, the OnStar® system must be reconfigured. Failure to reconfigure the system will result in an additional customer visit for repair. The OnStar® LED light will remain red, and will not change to green, until the reconfiguration is completed. In addition, pressing and holding the white dot button on the keypad will NOT reset this version of the OnStar® system. This action will cause a DTC to set.
 - A. Install the scan tool to access and record a new Station ID (STID) and the Electronic Serial Number (ESN) from the new VCIM.

- B. Move the vehicle to an open area that is away from tall buildings with a clear view of unobstructed sky. Allow the vehicle to run for 10 minutes.
- C. Use the special functions menu in order to begin the VCIM setup procedure for this vehicle. Note: Build GMC Sierra, Yukon and Denali models as Chevrolets.
- D. Following this VCIM Setup procedure, a call will automatically be made to the OnStar® Call Center. Inform the Call Center Advisor of the following:
 - Tell the advisor that this vehicle has received a new VCIM.
 - Ask the advisor to update the customer account with the new STID and ESN.
 - Ask the advisor to activate the OnStar® Hands-Free Calling feature, if available. Tell the advisor the number of minutes (from Step 3) to load into the new module.
 - **Important:** Please note that the OnStar® Hands-Free Calling functionality will not be available until the following date.

Follow any additional instructions from the OnStar® advisor.

- E. *After configuration, you must ask the OnStar® advisor to transfer you to the OnStar® Dealer Center (ODC). If you are disconnected, call the ODC at 1-888-ONSTAR-1 (1-888-667-8271). Request that a 3-year Analog-to-Digital Transition (ADT) upgrade package be applied to the customer's account. All upgrade packages are dealer prepaid. The dealer's open account will be charged for the cost of the package plus any applicable taxes. The three Digital-upgrade packages that are available are:*
 - 3-year Safety and Security (S&S) ADT package
 - 3-year Directions and Connections (D&C) ADT package
 - 3-year Luxury and Leisure (L&L) ADT package
 - F. End the call and cycle the ignition to clear the B1001 Diagnostic Trouble Code (DTC).
10. *Have the Service Advisor, Service Manager or Sales Consultant review the new OnStar® Hands-Free Calling procedure with the customer. The customer is used to their Generation 5 analog/digital-ready OnStar® Hands-Free Calling system, which uses individual digit dial to make a call. Generation 6 Dual-mode (analog/digital) uses continuous digit dial, and the customer needs to be made aware of this change.*
11. Give the "OnStar® Generation 6 Dual-Mode (analog/digital) Tip Sheet" to your customer. This tip sheet will help your customer better understand their new OnStar® system. Also, fill out the form, entitled "GM Limited Warranty for Upgraded OnStar® Digital Equipment Program Participants", and then give this to your customer. You may want to keep a copy for your records.

12. Collect payment from the customer. *Your dealership's open account will be charged for the upgrade package so you must collect payment from your customer.* The prices for the three upgrade packages are as follows:
- 3-year Safety and Security (S&S) ADT package: \$549 plus tax (if applicable)
 - 3-year Directions and Connections (D&C) ADT package: \$1099 plus tax (if applicable)
 - 3-year Luxury and Leisure (L&L) ADT package: \$2159 plus tax (if applicable)

Important: *GM employees or representatives or field personnel will not be able to help you or the customer pay for this program. If the dealership decides to pay for the upgrade program for their customer, be aware that your GM or OnStar® contact will not be able to reimburse you for this cost.*

13. Use labor code Z2096 to submit your claim for the labor time published below plus 0.2 hr Administrative Allowance and an additional \$20.00 Net Amount. For claim submission, use Complaint Code MH -- Technical Bulletin, and Failure Code 93 -- Technical Service Bulletin.

Important: *Remember to return the customer's original VCIM to avoid a significant non-return core charge. If you do not ship back the original VCIM within 30 days of kit order, your dealership will be charged for this VCIM.*

Parts Information

The following OnStar® upgrade kits should be ordered by calling Autocraft at 1-888-947-8100. Remember, you will need to have the "Terms and Conditions of Your OnStar® Service" form filled out and signed by the customer before Autocraft will ship a kit to you. These kits should not be ordered from GMSPO.

<i>Part Number</i>	<i>Model Year and Vehicle Line</i>
	2004 Grand Prix
19115913	2005 Corvette
	2005 Equinox

19115914	2004 H2 2004 Colorado 2004 Canyon
19115950	2003 Rendezvous 2003 Aztek
19115951	2003 Escalade/ESV/EXT 2003 Avalanche 2003 Silverado 2003 Suburban 2003 Tahoe 2003 Sierra 2003 Yukon/ XL
19115952	2003 H2
19115551	2003-2004 LeSabre 2004 Regal 2004-2005 Century 2003 CTS (built after and including VIN breakpoint 30148827) 2004 CTS 2003-2004 Express 2004 Impala, Monte Carlo 2003-2004 Savana 2003-2004 Bonneville

19115953	2003 CTS (built prior to VIN breakpoint 30148827)
19115553	2002-2003 Impala, Monte Carlo
19115554	2002 Deville 2003 DeVille (built prior to VIN breakpoint 3U261178)
19115555	2002 Seville 2003 Seville (built prior to VIN breakpoint 3U261889)
19115954	2004 SRX (built prior to VIN breakpoint 40171353) 2003 Trailblazer/EXT 2003 Envoy/XL 2003 Bravada
19115955	2002 Trailblazer/EXT 2002 EnvoyXL 2002 Bravada
19115912	2004 Escalade, Escalade ESV, Escalade EXT 2005 CTS (built prior to VIN breakpoint 50162843) 2004 Avalanche, Silverado, Suburban, Tahoe 2004 Sierra, Yukon, Yukon XL
19115503	2004 Rainier 2004 SRX (built after and including VIN breakpoint 40171353) 2005 SRX (built prior to VIN breakpoint 50169388) 2004 TrailBlazer, TrailBlazer EXT 2004-2005 Venture 2004 Envoy, Envoy XL, Envoy XUV

	2004 Bravada, Silhouette 2004-2005 Montana
19115911	2004 Rendezvous 2004-2005 XLR 2004 Aztek
19115975	2005 STS with option DD7
19115549	2003 DeVille (built after and including VIN breakpoint 3U261178)Seville (built after and including VIN breakpoint 3U261889) 2004 DeVille, Seville 2003-2005 Cavalier 2003-2005 Sunfire
19115505	2005 STS (with options DD8 & TQ5)
19115502	2005 STS (with option DD8) 2004-2005 Malibu, Malibu Maxx 2005 G6
19115506	2003 Venture 2003 Silhouette 2003 Montana
19115504	2005 Cobalt 2005 Pursuit

Warranty Information

Labor Operation	Model Year and Vehicle Line	Labor Time
	2004-2005 Cadillac XLR	0.2 hr

2004 Pontiac Grand Prix	0.5 hr
2004 Buick Rainier	0.6 hr
2005 Cadillac STS (with option DD8)	
2004 Chevrolet Colorado	
2004 Chevrolet TrailBlazer, TrailBlazer EXT	
2003-2005 Chevrolet Venture	
2005 Chevrolet Equinox	
2004 GMC Envoy, Envoy XL, Envoy XUV	
2004 GMC Canyon	
2004 Oldsmobile Bravada	
2003-2004 Oldsmobile Silhouette	
2003-2005 Pontiac Montana	
2003-2004 Buick Rendezvous	0.7 hr
2005 Cadillac CTS	
2005 Chevrolet Corvette	
2003-2004 Pontiac Aztek	
2003-2004 Buick LeSabre	0.8 hr
2003-2004 Chevrolet Express	
2003-2004 GMC Savana	
2003-2004 Pontiac Bonneville	

Upgrade Kit-Install*

<p>2002-2004 Cadillac DeVille</p> <p>2005 Cadillac STS (with options DD8 & TQ5)</p> <p>2005 Cadillac STS (with option DD7)</p> <p>2002-2003 Chevrolet TrailBlazer, TrailBlazer EXT</p> <p>2002-2004 Chevrolet Impala, Monte Carlo</p> <p>2002-2004 GMC Envoy, Envoy XL, Envoy XUV</p> <p>2002-2004 Oldsmobile Bravada</p>	0.9 hr
<p>2004-2005 Buick Century</p> <p>2004 Buick Regal</p> <p>2003-2004 Cadillac CTS</p> <p>2005 Chevrolet Cobalt</p>	1.0 hr
<p>2002 Cadillac Seville</p> <p>2003-2004 Cadillac Escalade, Escalade ESV, Escalade EXT, Seville</p> <p>2003-2004 Chevrolet Avalanche, Silverado, Suburban, Tahoe</p> <p>2003-2004 GMC Sierra, Yukon, Yukon XL</p>	1.1 hrs
<p>2004-2005 Cadillac SRX (built after VIN breakpoint 40171353)</p>	1.3 hrs
<p>2003-2004 HUMMER H2</p>	1.4 hrs

2004 Cadillac SRX (prior to VIN breakpoint 40171353)	1.6 hrs
2003-2005 Chevrolet Cavalier	
2003-2005 Pontiac Sunfire	
2005 Cadillac SRX	1.7 hrs
2004-2005 Chevrolet Malibu, Malibu Maxx	
2005 Pontiac G6	

*This is a unique labor operation number for bulletin use only. This number will not be published in the Labor Time Guide.

GM bulletins are intended for use by professional technicians, NOT a "do-it-yourselfer". They are written to inform these technicians of conditions that may occur on some vehicles, or to provide information that could assist in the proper service of a vehicle. Properly trained technicians have the equipment, tools, safety instructions, and know-how to do a job properly and safely. If a condition is described, DO NOT assume that the bulletin applies to your vehicle, or that your vehicle will have that condition. See your GM dealer for information on whether your vehicle may benefit from the information.



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TECHNICIAN
CERTIFICATION**

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