



File In Section: Product Recalls
 Bulletin No.: 03005
 Date: March, 2003

Recall Bulletin



SUBJECT: 03005 - PCM TO IGNITION COIL SIGNAL LOSS - REPROGRAM PCM

MODELS: 2002-03 CADILLAC DEVILLE, SEVILLE AND ELDORADO; AND OLDSMOBILE AURORA EQUIPPED WITH V8 ENGINES

CONDITION

General Motors has decided to conduct a Voluntary Emission Recall involving all 2002 Cadillac DeVille, Seville and Eldorado; and Oldsmobile Aurora model vehicles and certain 2003 Cadillac DeVille and Seville; and Oldsmobile Aurora model vehicles, equipped with V8 engines. These vehicles may exhibit an engine misfire condition due to a loss of signal from the Powertrain Control Module (PCM) to the ignition coils.

CORRECTION

Dealers are to reprogram the Powertrain Control Module (PCM) with new software, which will correct this problem.

VEHICLES INVOLVED

Involved are all 2002 Cadillac DeVille, Seville and Eldorado; and Oldsmobile Aurora model vehicles and certain 2003 Cadillac DeVille, and Seville; and Oldsmobile Aurora model vehicles, equipped with V8 engines and built within these VIN breakpoints:

YEAR	DIVISION	MODEL	PLANT	FROM	THROUGH
2002	Cadillac	DeVille	Hamtramck	2U100003	2U306394
2002	Cadillac	DeVille Limo	Hamtramck	2U550001	2U550971
2002	Cadillac	Seville	Hamtramck	2U100004	2U306391
2002	Cadillac	Eldorado	Lansing CC	2B100001	2B107105
2002	Oldsmobile	Aurora	Orion	24100008	24245280
2003	Cadillac	DeVille	Hamtramck	3U100001	3U216368
2003	Cadillac	Seville	Hamtramck	3U100006	3U216358
2003	Oldsmobile	Aurora	Orion	34100003	34158725

IMPORTANT: Dealers should confirm vehicle eligibility through **GMVIS** (GM Vehicle Inquiry System) or **GM Access Screen** (Canada only) or **DCS Screen 445** (IPC only) prior to beginning recall repairs. [Not all vehicles within the above breakpoints may be involved.]

Involved vehicles have been identified by Vehicle Identification Number. Computer listings containing the complete Vehicle Identification Number, customer name and address data have been prepared, and are being furnished to involved dealers with the recall bulletin. The customer name and address data will enable dealers to follow up with customers involved in this recall. Any dealer not receiving a computer listing with the recall bulletin has no involved vehicles currently assigned.

These dealer listings may contain customer names and addresses obtained from Motor Vehicle Registration Records. The use of such motor vehicle registration data for any other purpose is a violation of law in several states/provinces/countries. Accordingly, you are urged to limit the use of this listing to the follow-up necessary to complete this recall.

PARTS INFORMATION

The service calibration is included in the latest TIS 2000 data version, broadcast to dealers via GM Access; and on the latest TIS 2000 CD-ROM release.

The updated calibration for the Powertrain Control Module is included in TIS 2000 version 2.0 or later versions; and on TIS 2000 #2 CD-ROM or later releases. The following table shows the calibration information.

Model Year	Make	Eng.	Module Description	CD ROM Number	TIS2000 Version	Broadcast Date
2002-03	Cadillac/ Oldsmobile	L47 LD8 L37	Powertrain Control Module	2.0 or later	2.0 or later	2/10/03

Notice: Do not attempt to order the calibration number from GMSPO. The calibration numbers are programmed into the control module via a Techline tool device.

SERVICE PROCEDURE

IMPORTANT: The labor time allowance listed in this recall is different than that currently published in the labor time guide.

This Service Procedure can be performed on Cadillacs or Oldsmobiles.

1. Prep the vehicle for Powertrain Control Module (PCM) reprogramming.
2. Program the PCM using Techline Information System (TIS) data version #2.0 or later, broadcast to dealers via GM Access on 2/10/03; or TIS #2.0 or later CD-ROM mailing of 2/14/03. Refer to up-to-date Techline equipment user instructions.
3. **CALIFORNIA VEHICLES ONLY:** Complete a "Proof of Correction Certificate" upon campaign completion.
4. Install the GM Recall Identification Label.

Preferred Cadillac Reprogramming Procedure:

The following procedure should be used at dealerships supplied with the Kent-Moore J-45211 PCM wiring harness.

NOTICE: It is critical that all J-45211 harness connections to the PCM, the Tech 2, and the power cable clips stay firmly connected throughout the entire programming procedure. Failure to follow these instructions may cause interruption of the PCM programming, which may result in **PERMANENT DAMAGE** to the PCM.

1. Prep the vehicle for Powertrain Control Module (PCM) reprogramming.
2. Check to ensure that both the Techline terminal and the Tech II are updated with their latest respective software. Use Techline Information System (TIS) data version #2.0 or later, broadcast to dealers via GM Access on 2/10/03; or TIS #2.0 or later CD-ROM mailing of 2/14/03.
3. Turn the vehicle ignition "OFF" and remove the key from the ignition lock cylinder. Turn off all electrical power consumers and accessories.
4. Open the hood and check the battery voltage directly at the battery positive and negative terminals using J-39200 Digital Multimeter. If the negative battery terminal is inaccessible, or the battery is not located underhood, check the voltage between engine block ground and the underhood "+" junction block.
5. If the vehicle's battery voltage is not 12.0 volts or higher, charge the battery before continuing. When finished charging the battery, disconnect the charger from the battery before programming PCM.
6. Locate the PCM and disconnect the vehicle harness connectors from the PCM.
7. Connect the J-45211 harness connectors to the PCM.
8. Connect the J-45211 power clips directly to the vehicle battery terminals. If the battery terminals are inaccessible, or the battery is not located underhood, then connect to the engine block (ground), and to the underhood source of "B+" 12-volt power.
9. Observe the red battery LED on J-45211. The red LED should remain lit whenever the J-45211 is connected to battery voltage. If the red LED does not illuminate, check the tool's 5-amp fuse. If the fuse is okay and yet the red LED will not illuminate, contact Kent-Moore at 1-800-GM-TOOLS for assistance.
10. Toggle the power switch on J-45211 to apply ignition voltage to the PCM.
11. The yellow and green LED(s) should illuminate when the power switch is toggled on. The yellow LED monitors the ignition voltage being applied to the control module. The green LED(s) are a feedback signal from the control module indicating that the module's internal circuits are operating.
12. Connect the Tech II to J-45211 and enter *Service Programming Systems (SPS)*.
13. Select and perform *Request Information*.

14. After the Tech II has completed the Information Request, toggle the J-45211 switch off.
15. Turn off the Tech II and disconnect it from J-45211.
16. Connect the Tech II to the Techline terminal. Download the new PCM calibration into the Tech II using the Techline Terminal and TIS 2000 software. After the download into the Tech 2 is complete, disconnect the Tech 2 from the Techline terminal.
17. Reconnect Tech II to J-45211 and toggle the tool's power switch on.
18. Enter *Service Programming System (SPS)*, select and perform *Program*.
19. After programming is complete, toggle the J-45211 switch off, and wait until the green LED(s) turn off before continuing or disconnecting any connectors.
20. Turn off Tech II and disconnect it from the J-45211.
21. Disconnect J-45211 from the PCM, ground and power.
22. Reconnect the vehicle harness connectors to the PCM and reinstall PCM.
23. **CALIFORNIA VEHICLES ONLY:** Complete a "Proof of Correction Certificate" upon campaign completion.
24. Install the GM Recall Identification Label.

RECALL IDENTIFICATION LABEL – For US and IPC

Place a Recall Identification Label on each vehicle corrected in accordance with the instructions outlined in this Product Recall Bulletin. Each label provides a space to include the recall number and the five (5) digit dealer code of the dealer performing the recall service. This information may be inserted with a typewriter or a ball point pen.

Put the Recall Identification Label on a clean and dry surface of the radiator core support in an area that will be visible to people servicing the vehicle. **When installing the Recall Identification Label, be sure to pull the tab to allow adhesion of the clear protective covering. Additional Recall Identification Labels for US dealers can be obtained from Dealer Support Materials by either ordering on the web from DWD Store, gm-dealerworld.com, or calling 1-866-700-0001 (Monday-Friday, 8:00 a.m. to 5:00 p.m. EST). Request Item Number S-1015 when ordering.**

Additional Recall Identification Labels for IPC dealers can be obtained from your Regional Marketing Office.



RECALL IDENTIFICATION LABEL – For CANADA

Place a Recall Identification Label on each vehicle corrected in accordance with the instructions outlined in this Product Recall Bulletin. Each label provides a space to include the recall number and the five (5) digit dealer code of the dealer performing the recall service. This information may be inserted with a typewriter or a ball point pen.

Put the Recall Identification Label on a clean and dry surface of the radiator core support in an area that will be visible to people servicing the vehicle. **Additional Recall Identification Labels for Canadian dealers can be obtained from DGN by calling 1-800-668-5539 (Monday-Friday, 8:00 a.m. to 5:00 p.m. EST). Ask for Item Number GMP 91 when ordering.**

**COURTESY TRANSPORTATION**

The General Motors Courtesy Transportation program is intended to minimize customer inconvenience when a vehicle requires a repair that is covered by the New Vehicle Limited Warranty. The availability of courtesy transportation to customers whose vehicles are within the warranty coverage period and involved in a product recall is very important in maintaining customer satisfaction. Dealers are to ensure that these customers understand that shuttle service or some other form of courtesy transportation is available and will be provided at no charge. Dealers should refer to the General Motors Service Policies and Procedures Manual for Courtesy Transportation guidelines.

CLAIM INFORMATION

Submit a Product Recall Claim with the information indicated below:

REPAIR PERFORMED	PART COUNT	PART NO.	PARTS ALLOW	CC-FC	LABOR OP	* LABOR HOURS
Reprogram PCM	N/A	N/A	N/A	MA-96	V0973	0.4

* For Recall Administrative Allowance, add 0.1 hours to the "Labor Hours".

Refer to the General Motors WINS Claims Processing Manual for details on Product Recall Claim Submission.

CUSTOMER NOTIFICATION – For US and CANADA

Customers will be notified of this recall on their vehicles by General Motors (see copy of customer letter included with this bulletin).

In order to ensure full protection under the emission warranty, and the right to participate in future recalls, the customer notification letter recommends that customers have their vehicles serviced as soon as possible. It also advises that failure to do so could legally be determined to be lack of proper maintenance. The vehicle may fail a state or local emission inspection test if the recall work is not completed.

CUSTOMER NOTIFICATION – For IPC

Letters will be sent to known owners of record located within areas covered by the US National Traffic and Motor Vehicle Safety Act. For owners outside these areas, dealers should notify customers using the attached sample letter.

In order to ensure full protection under the emission warranty, and the right to participate in future recalls, the customer notification letter recommends that customers have their vehicles serviced as soon as possible. It also advises that failure to do so could legally be determined to be lack of proper maintenance. The vehicle may fail a state or local emission inspection test if the recall work is not completed.

DEALER RECALL RESPONSIBILITY - ALL

All unsold new vehicles in dealers' possession and subject to this recall must be held and inspected/repaired per the service procedure of this recall bulletin before customers take possession of these vehicles.

Dealers are to service all vehicles subject to this recall at no charge to customers, regardless of mileage, age of vehicle, or ownership, from this time forward.

Customers who have recently purchased vehicles sold from your vehicle inventory, and for which there is no customer information indicated on the dealer listing, are to be contacted by the dealer. Arrangements are to be made to make the required correction according to the instructions contained in this bulletin. This could be done by mailing to such customers a copy of the customer letter accompanying this bulletin. Recall follow-up cards should not be used for this purpose, since the customer may not as yet have received the notification letter.

In summary, whenever a vehicle subject to this recall enters your vehicle inventory, or is in your dealership for service in the future, you must take the steps necessary to be sure the recall correction has been made before selling or releasing the vehicle.

*****THE FOLLOWING 2 PARAGRAPHS ARE NOT FOR CANADA OR IPC*****

When a California emissions recall is completed by a GM dealer, the dealer must provide the vehicle owner a "Proof Of Correction Certificate" which the owner may need to present to the California Department Of Motor Vehicles (DMV) when renewing their vehicle registration. Without this correction certificate, the owner may be unable to renew their vehicle registration.

Additional Certificates can be obtained, at no charge, from Dealer Support Materials by calling 1-866-700-0001 (Monday-Friday, 8:00 a.m. to 5:00 p.m. EST). Ask for GM Item Number 1825 when ordering.



March, 2003

Dear General Motors Customer:

This notice is sent to inform you that General Motors is conducting a voluntary emission recall that includes your vehicle.

Reason For This Recall: General Motors has decided to conduct a Voluntary Emission Recall involving all 2002 Cadillac DeVille, Seville and Eldorado; and Oldsmobile Aurora model vehicles and certain 2003 Cadillac DeVille and Seville; and Oldsmobile Aurora model vehicles, equipped with V8 engines. These vehicles may exhibit an engine misfire condition due to a loss of signal from the Powertrain Control Module (PCM) to the ignition coils.

What Will Be Done: Your dealer will reprogram the Powertrain Control Module (PCM) to correct this problem. This service will be performed for you at no charge.

Contacting Your Dealer: Please contact your dealer as soon as possible to arrange a service date. Instructions for making this correction have been sent to your dealer. Please ask your dealer if you wish to know how much time will be needed to schedule, process and repair your vehicle.

If you have any questions or need any assistance, just contact your dealer or the appropriate Customer Assistance Center at the number listed below:

Division	Number	Deaf, Hearing Impaired or Speech Impaired *
Cadillac	1-800-458-8008	1-800-833-2622
Oldsmobile	1-800-442-6537	1-800-833-6537
GMODC	(905) 844-4112	
Puerto Rico - English	1-800-496-9992	
Puerto Rico - Español	1-800-496-9993	
Virgin Islands	1-800-496-9994	

* Utilizes Telecommunication Devices for the Deaf/Text Telephones (TDD/TTY)

Customer Reply Card: The attached customer reply card identifies your vehicle. Presentation of this card to your dealer will assist in making the necessary correction in the shortest possible time. If you no longer own this vehicle, please let us know by completing the card and returning it to us in the postage paid envelope.

Courtesy Transportation: If your vehicle is within the New Vehicle Limited Warranty your dealer may provide you with shuttle service or some other form of courtesy transportation while your vehicle is at the dealership for this repair. Please refer to your Owner's Manual and your dealer for details on Courtesy Transportation.

Emission Law Information: In order to ensure your full protection under the emission warranty made applicable to your vehicle by State or Federal Law, and your right to participate in future recalls, it is recommended that you have your vehicle serviced as soon as possible. Failure to do so could legally be determined to be lack of proper maintenance of your vehicle. Also, your vehicle may fail a state or local emission inspection if this recall is not accomplished.

IMPORTANT MESSAGE FOR CALIFORNIA RESIDENTS

The California Air Resources Board (CARB) requires vehicle emission recalls be completed prior to California registration renewal. Uncorrected emission recalls will result in the inability to renew your California vehicle registration.

At the time of emission recall completion, your California dealer will issue a "Proof Of Correction Certificate". Keep this certificate and, if required, present it to the Department of Motor Vehicles when renewing your California registration as proof of recall completion.

We are sorry to cause you this inconvenience; however, we have taken this action in the interest of your continued satisfaction with our products.

General Motors Corporation

Enclosure

GM SERVICE OPERATIONS
DCS1021
URGENT - DISTRIBUTE IMMEDIATELY

DATE: March 13, 2003

SUBJECT: 03005 - PRODUCT EMISSION RECALL
PCM TO IGNITION COIL SIGNAL LOSS -
REPROGRAM PCM

MODELS: 2002-03 CADILLAC DEVILLE, SEVILLE AND ELDORADO;
AND OLDSMOBILE AURORA EQUIPPED WITH V8 ENGINES

TO: ALL CADILLAC AND OLDSMOBILE DEALERS

ATTN: PARTS MANAGER, SERVICE MANAGER, AND
WARRANTY ADMINISTRATOR

PRODUCT FIELD ACTION ANNOUNCEMENT

General Motors is announcing Product Emission Recall 03005 today. A total of 184,257 U.S. vehicles are involved. See the attached bulletin for details.

MAILING INFORMATION

Dealer bulletin mailing will begin on March 13, 2003.
Owner letter mailing will begin on March 20, 2003.

GM Vehicle Inquiry System (GMVIS)

GMVIS information will be available on March 14, 2003.

Service Information System (SI)

Bulletin 03005 is scheduled to be available in SI on March 21, 2003.

END OF MESSAGE

GM SERVICE AND PARTS OPERATIONS