


## #06127: Roof-Mounted Rollover Airbag Unwanted Deployment-Reprogram/Replace Rollover Sensor-MEXICO and VENEZUELA ONLY - (Apr 3, 2007)

|          |  |   |
|----------|--|---|
| Subject: | 06127 — Roof-Mounted Rollover Airbag Unwanted Deployment – Reprogram/Replace the Rollover Sensor – Mexico and Venezuela Only |  |
| Models:  | 2007 Cadillac Escalade, Escalade ESV, Escalade EXT   |   |
|          | 2007 Chevrolet Avalanche, Suburban, Tahoe  |   |
|          | 2007 GMC Yukon   |   |

### Condition

The roof-mounted rollover airbag in *certain* 2007 Cadillac Escalade, Escalade ESV, and Escalade EXT; Chevrolet Avalanche, Suburban, and Tahoe; and GMC Yukon vehicles may deploy unexpectedly without a vehicle crash. Under certain conditions, such as driving over potholes or objects in the road, hitting a curb, driving over rough roads, or during extreme steering maneuvers, the sensing system may interpret these conditions as the beginning of a rollover event.

### Correction

Dealers are to reprogram the rollover sensor on all vehicles except for 8 specific vehicles located in Mexico, which will require a rollover sensor replacement.

### Vehicles Involved

Involved are *certain* 2007 Cadillac Escalade, Escalade ESV, and Escalade EXT; Chevrolet Avalanche, Suburban, and Tahoe; and GMC Yukon vehicles located in Mexico and Venezuela and built within these VIN breakpoints:

| Year | Division  | Model        | From     | Through  |
|------|-----------|--------------|----------|----------|
| 2007 | Cadillac  | Escalade     | 7R100665 | 7R366864 |
| 2007 | Cadillac  | Escalade ESV | 7R139046 | 7R366699 |
| 2007 | Cadillac  | Escalade EXT | 7G100382 | 7G275829 |
| 2007 | Chevrolet | Avalanche    | 7G103453 | 7G275816 |
| 2007 | Chevrolet | Suburban     | 7G100112 | 7G276890 |
| 2007 | Chevrolet | Tahoe        | 7J100140 | 7J322015 |

|      |     |       |          |          |
|------|-----|-------|----------|----------|
| 2007 | GMC | Yukon | 7J102664 | 7J321958 |
|------|-----|-------|----------|----------|

**Important:** Dealers are to confirm vehicle eligibility prior to beginning repairs by using the GMVIS. Not all vehicles within the above breakpoints may be involved.

For dealers with involved vehicles, a listing with involved vehicles containing the complete vehicle identification number, customer name, and address information has been prepared and will be sent directly to dealers. Dealers will not have a report available if they have no involved vehicles currently assigned.

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

[Parts Information](#)

**Important:** Only 8 vehicles will require sensor replacement. Those VINs are listed below. *All other vehicles will require no parts for this program.*

Parts required to complete this program are to be obtained from General Motors Service and Parts Operations (GMSPO). Please refer to your “involved vehicles listing” before ordering parts. Normal orders should be placed on a DRO = Daily Replenishment Order. In an emergency situation, parts should be ordered on a CSO = Customer Special Order.

| Part Number | Description                   | Qty/ Vehicle                     |
|-------------|-------------------------------|----------------------------------|
| 25815382    | Sensor, Infl Rst Veh Rollover | 1 (for Mexico VINS listed below) |
|             |                               | 7G100112                         |
|             |                               | 7G100139                         |
|             |                               | 7J100140                         |
|             |                               | 7J100141                         |
|             |                               | 7J102664                         |
|             |                               | 7J102665                         |
|             |                               | 7R100665                         |
|             |                               | 7R139046                         |

[Service Procedure](#)

1. Locate the vehicle identification number (VIN).
  - If the VIN is listed below, replace the rollover sensor. Refer to Inflatable Restraint Vehicle Rollover Sensor Replacement in SI.
  - If the VIN is not on the list, reprogram the rollover sensor. Proceed to Step 2.

- 7G100112
- 7G100139
- 7J100140
- 7J100141
- 7J102664
- 7J102665
- 7R100665
- 7R139046

- Reprogram the rollover sensor. Refer to the calibration and programming information below.

### Calibration Information

Do not attempt to order the calibration number from GMSP0. The calibration numbers required for this service procedure are programmed into control modules via a Techline Tech 2® scan tool and TIS 2 Web with the calibration update. Use TIS 2 Web version 4.0 for 2007 (available on 04/01/07) and on TIS DVD version 4.0/2007 or later, which will be mailed to dealers on 04/11/2007. If you cannot access the calibration, call the Techline Customer Support Center at 1-800-828-6860 (English).

**Notice:** Before reprogramming, please check the battery condition to prevent a reprogramming error of any of the modules due to battery discharge. Battery voltage must be between 12 and 16 volts during reprogramming. If the vehicle battery is not fully charged, use jumper cables from an additional battery. Be sure to turn off or disable any system that may put a load on the battery, such as automatic headlamps, daytime running lights, interior lights, heating, ventilation, and air conditioning (HVAC) system, radio, engine cooling fan, etc. A programming failure or control module damage may occur if battery voltage guidelines are not observed.

The ignition switch must be in the proper position. The Tech 2® prompts you to turn ON the ignition, with the engine OFF. DO NOT change the position of the ignition switch during the programming procedure, unless instructed to do so.

Make certain all tool connections are secure, including the following components and circuits:

- The RS-232 communication cable port
- The connection at the data link connector (DLC)
- The voltage supply circuits

*DO NOT* disturb the tool harnesses while programming. If an interruption occurs during the programming procedure, programming failure or control module damage may occur.

*DO NOT* turn OFF the ignition if the programming procedure is interrupted or unsuccessful. Ensure that all control module and DLC connections are secure and the TIS terminal operating software is up to date.

1. Verify that there is a battery charge of 12 to 16 volts. The battery must be able to maintain a charge during programming. Use an additional jump battery if necessary. Only use approved Midtronics charger or Jumper Packs, etc. to maintain proper battery voltage during programming.

**Important:** Select *rollover sensor module (ROS)* from the Supported Controllers screen. Next, select one of the following choices: With RPO ASF (Roof Side Restraint) or Without RPO ASF (Roof side Restraint). Select *New Calibration for Enhanced Roll Over Sensor Performance* from the Calibration Selection screen.

2. Reprogram the rollover sensor. Use the Pass Thru programming method. Refer to Standard Service

2. Reprogram the rollover sensor. Use the Pass- thru programming method. Refer to SI and Service Programming System (SPS) documentation.

[Claim Information](#)

Submit a Product Claim with the information indicated below:

| Repair Performed   | Part Count | Part No. | Parts Allow | CC-FC | Labor Op | Labor Hours |
|--|------------|----------|-------------|-------|----------|-------------|
| Reprogram Rollover Sensor  | N/A        | N/A      | N/A         | MA-96 | V1588    | 0.4         |
| Replace Rollover Sensor  | 1          | —        | *           | MA-96 | V1589    | 1.0         |
| * The "Parts Allowance" should be the sum total of the current GMSPO Dealer net price plus applicable Landed Cost Mark-Up for the rollover sensor needed to complete the repair. |            |          |             |       |          |             |

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

[Customer Notification](#)

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.

[Dealer Recall Responsibility](#)

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

Dealers are to service all vehicles subject to this program 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. A copy of the customer letter is provided in this bulletin for your use in contacting customers. Program 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 program enters your vehicle inventory, or is in your dealership for service in the future, you must take the steps necessary to be sure the program correction has been made before selling or releasing the vehicle.

April 2007

Dear General Motors Customer:

This notice is sent to inform you that General Motors is conducting a customer satisfaction program that affects certain 2007 Cadillac Escalade, Escalade ESV, and Escalade EXT; Chevrolet Avalanche, Suburban, and Tahoe; and GMC Yukon vehicles.

We have learned that the roof-mounted rollover airbag in your vehicle may deploy unexpectedly without a vehicle crash. Under certain conditions, such as driving over potholes or objects in the road, hitting a curb, driving over rough roads, or during extreme steering maneuvers, the sensing system may interpret these conditions as the beginning of a rollover

or during extreme steering maneuvers, the sensing system may interpret these conditions as the beginning of a rollover event.

*What We Will Do:* To prevent this condition from occurring, your GM dealer will reprogram the rollover sensor, or on some vehicles, replace the rollover sensor replacement. This service will be performed for you at *no charge*.

*What You Should Do:* To limit any possible inconvenience, we recommend that you contact your dealer as soon as possible to schedule an appointment for this repair.

*Customer Reply Form:* The enclosed customer reply form identifies your vehicle. Presentation of this form 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 form and mailing it back to us.

We sincerely regret any inconvenience or concern that this situation may cause you. We want you to know that we will do our best, throughout your ownership experience, to ensure that your GM vehicle provides you many miles of enjoyable driving.

Scott Lawson

General Director,

Customer and Relationship Services

Enclosure

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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

