



# Service Bulletin

## PRELIMINARY INFORMATION

**Subject:** Magnaride™ Magnetically Controlled Suspension Electrical Connector Not Seated, Service Suspension System Message, DTCs C0575, C0580, C0585 or C0590

**Models:** 2006-2011 Buick Lucerne  
2004-2009 Cadillac SRX, XLR  
2005-2011 Cadillac STS  
2006-2009 Cadillac XLR-V  
2006-2011 Cadillac DTS  
2006-2013 Cadillac Escalade EXT  
2006-2014 Cadillac Escalade, Escalade ESV  
2009-2014 Cadillac CTS-V (Coupe, Sedan, Wagon)  
2003-2013 Chevrolet Corvette  
2006-2013 Chevrolet Avalanche  
2006-2014 Chevrolet Suburban, Tahoe  
2006-2014 GMC Yukon, Yukon XL  
Equipped with Magnetic Ride Control (RPO F55, Z55 or Z95)

*This PI has been revised to update the Parts Information and the warranty coverage statement. Please discard PI0430B.*

### Condition/Concern

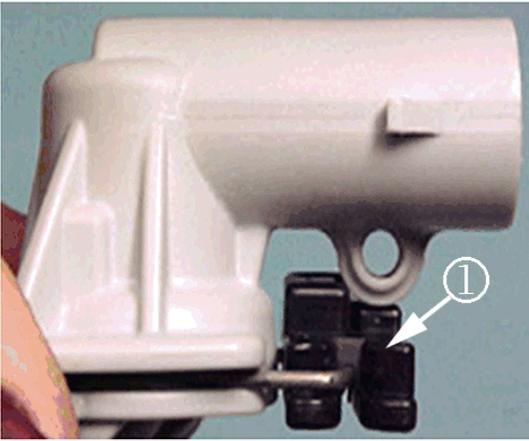
Some customers may comment on a Service Suspension System Message displayed on the Drivers Information Center (DIC).

During the assembly process, it is possible that the 90 degree electrical connector at the top end of a shock absorber (actuator) may not have been fully seated or has been bumped firmly enough to partially disconnect it, or create an internal contact concern.

### Recommendation/Instructions

Complete the following steps BEFORE attempting shock absorber (actuator) replacement.

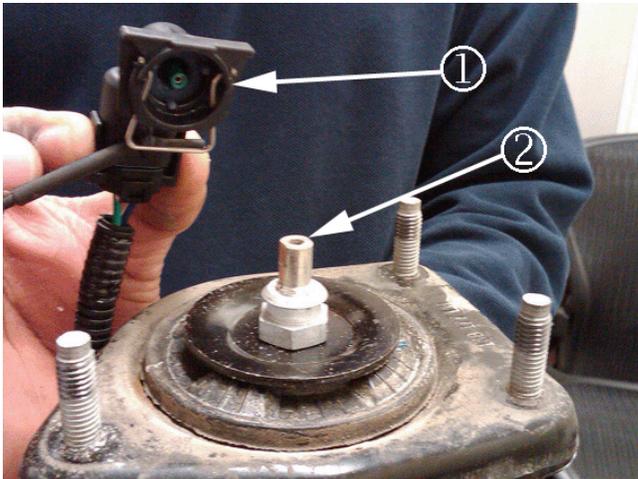
**Connector with Position Assurance (CPA) Tab (CTS Only)**



CTS Models built after February 22, 2011 have a CPA tab (1) as shown above as part of the connector. Vehicles built with this design should be less susceptible to being unseated. The CTS is the only vehicle to adopt this design change. All other products continue with the original style connector.

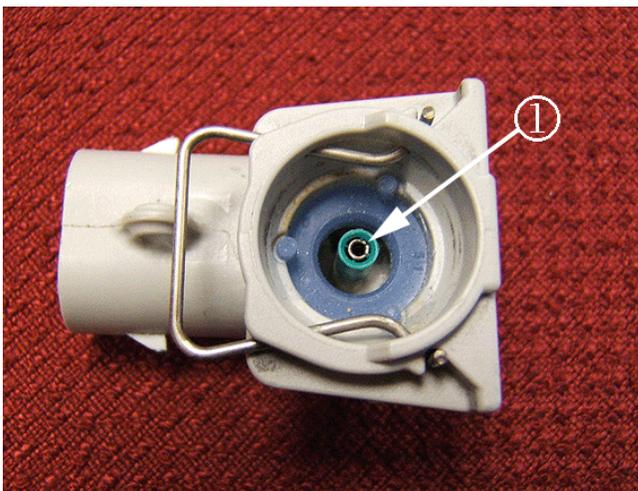
1. If the diagnostic trouble code (DTC) refers to a front shock absorber (actuator), remove the front shock tower beauty cover (if equipped on the vehicle).

### Electrical Connector and Shock Absorber (Actuator) Contact



2. Disconnect the electrical connector (1) from the top of the applicable shock absorber (actuator) contact (2).

### Electrical Connector Insulator and Center Post



3. Visually examine the green insulator and center post (1) of the electrical connector to assure it is straight and in serviceable condition. Replace the connector and retest if required.
4. Reconnect the electrical connector to the shock absorber (actuator). Clear the suspension DTC and confirm that the code does not reset.
5. If the code returns, remove the electrical connector from the shock absorber (actuator) and pigtail. Swap the connector with the connector on the opposite side shock absorber (actuator).
6. Does the DTC follow the connector to the other side? If YES, replace the connector, if NO refer to SI and follow the diagnostics for the DTC originally found.

## Parts Information

Part Number	Description
13586171	CONNECTOR KIT, WRG HARN

## Warranty Information

For vehicles repaired under the Bumper-to-Bumper coverage (Canada Base Warranty coverage), use the following labor operation. Reference the Applicable Warranties section of Investigate Vehicle History (IVH) for coverage information.

Labor Operation	Description	Labor Time
8080028*	Suspension Connector Diagnosis and Replacement	0.5 hr
*This is a unique Labor Operation for Bulletin use only.		

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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