



## Service Bulletin

File in Section: -

Bulletin No.: PI0639B

Date: May, 2013

# PRELIMINARY INFORMATION

**Subject:** Service StabiliTrak Message Displayed in DIC, StabiliTrak Indicator Light On, DTC C0455 and/or C0710 Set

**Models:** 2007-2013 Cadillac Escalade Models  
2007-2013 Chevrolet Avalanche, Colorado, Silverado, Suburban, Tahoe  
2008-2013 Chevrolet Express  
2007-2013 GMC Canyon, Sierra, Yukon Models  
2008-2013 GMC Savana  
All Built Prior to October 01, 2012

This PI is being revised to add the 2013 model year and update the labor operation information. Please discard PI0639A.

### Condition/Concern

In rare cases, some customers may comment about the Service Stabilitrak message being displayed in the DIC. The StabiliTrak® Indicator light may also be on.

When checking the vehicle for DTCs, the electronic brake control module (EBCM) may report C0455 and/or C0710 set as current or in history.

This condition may be caused by an increase in resistance in the circuits connecting the steering position sensor and the EBCM due to fretting corrosion on the connector terminals.

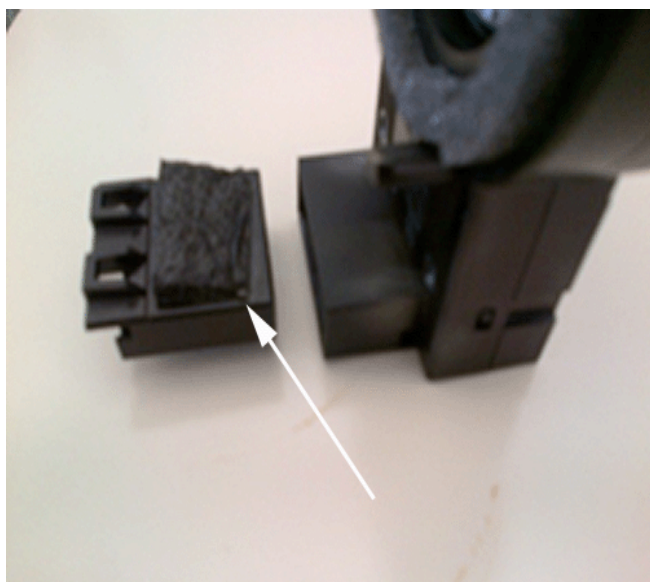
Also, the male to female plastic connector may have excessive clearance that can cause the connector to move up and down.

**Note:** Fretting corrosion looks like little dark smudges on the electrical terminals and appear where the actual electrical contact is being made. In less severe cases it may be unable to be seen or identified without the use of a magnifying glass.

### Recommendation/Instructions

**Important:** DO NOT replace the steering position sensor for this condition. The terminal pins on the sensor do not have the same concentration of deposits.

1. Disconnect the steering wheel position sensor connector.



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2. Add a piece of Adhesive Back Shim Stock the width of the connector to the flat surface on the male connector. This provides support to the connector to keep it from moving up and down.

**Important: DO NOT** apply an excessive amount of dielectric lubricant to the connector, as hydrolock may result when attempting to mate the connector. Use **ONLY** a clean nylon brush that is dedicated to the repair of this specific condition.

3. With a nylon bristle brush, apply dielectric lubricant to both the sensor side and the harness side of the affected connector.
4. Reconnect the steering wheel position sensor connector and wipe away any excess lubricant that may be present.
5. Attempt to duplicate the condition by using the following information:
  - DTC Diagnostic Procedure
  - Circuit/System Description
  - Conditions for Running the DTC
  - Conditions for Setting the DTC
  - Diagnostic Aids
  - Circuit/System Verification

If the condition cannot be duplicated, the repair is complete.

If the DTC resets, replace the steering angle sensor harness side connector with the service pigtail. Refer to the Steering Angle (Position) Sensor connector end view in SI for the correct service connector part number.

## Parts Information

Part Number	Description
12377900 (In Canada, use 10953529)	Dielectric Lubricant (50 gram tube)
P40100*	5/8" x 1/8" Adhesive Back Shim Stock – Kent Automotive

\*This product is currently available from Kent Industries (1-888-YES-KENT).

## Warranty Information

For vehicles repaired under warranty, use:

Labor Operation	Description	Labor Time
2680008*	Lubricate Connector with Dielectric Lubricant	0.1-0.3 hr
<p>*This labor operation is for bulletin use only. It will not be published in the Labor Time Guide.</p> <p><b>Note:</b> Any additional time for component R&amp;R to gain access or for repair time greater than 0.3 hr must be submitted as Other Labor Hours and requires appropriate authorization and service management approval.</p>		