



# Service Bulletin

File In Section: 02 - Steering

Bulletin No.: 06-02-35-002

Date: January, 2006



## TECHNICAL

**Subject:** Diagnostic Trouble Code (DTC) C0710 Steering Wheel Position Sensor (SWPS) Signal, Service Stability System Message on Driver Information Center (DIC) (Inspect and Secure Wires in SWPS Connector)

**Models:** 2004-2006 Cadillac XLR  
2005-2006 Chevrolet Corvette  
with Steering Wheel – Tilt, Telescoping (RPO N37)

### Condition

Some customers may comment on a Service Stability Message on the DIC.

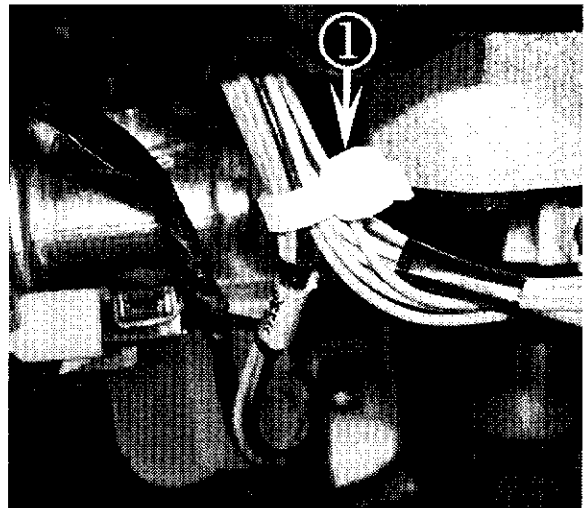
Diagnosis with a scan tool may reveal a DTC C0710.

### Cause

The most likely cause of a DTC C0710 on a vehicle equipped with telescoping/tilt steering wheel is high resistance in SWPS connector C202. Fretting terminal corrosion maybe present in the SWPS connector due to the telescoping motion of the steering column. When the steering column is telescoped in and out, the female terminals within the SWPS connector may move on the male terminals of the SWPS. This movement between the terminals may cause a high resistance condition in the SWPS connector.

### Correction

1. Remove the driver's side close out panel.
  - Cadillac XLR — Refer to Closeout/Insulator Panel Replacement - Left (SI Document ID 1207847)
  - Chevrolet Corvette — Refer to Closeout/Insulator Panel Replacement - Instrument Panel (I/P) Lower (SI Document ID 1495116)
2. On XLR models only, locate and remove the plastic strap (1) on the steering column harness that retains the three wiring harnesses. Discard this strap.
3. Disconnect the SWPS connector C202 located on the lower center of the steering column.

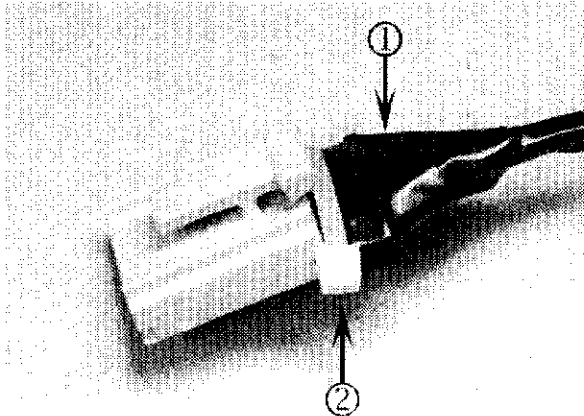


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**Important:**

- Failure to properly tape the wires in the connector may result in additional concerns.
- Failure to use a small plastic strap 2.5-3.5 mm (0.10-0.14 in) in width may prevent the SWPS connector from properly seating, resulting in additional SWPS DTCs.
- Failure to position the plastic strap in the connector notch shown below may result in the strap becoming loose and allowing the terminal to move within the connector.



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4. Using electrical tape (1), tape from the plastic strap up the wires a minimum of 2.5 cm (1 in).
5. Install a small plastic strap (2) 2.5-3.5 mm (0.10-0.14 in) wide around the SWPS sensor connector so that it retains the wires to the connector as shown.

**Important:** Install and remove the SWPS connector a minimum of three times to remove any possible terminal corrosion.

6. Reinstall the SWPS connector.
7. Reinstall the close out panel.
  - Cadillac XLR — Refer to Closeout/Insulator Panel Replacement - Left (SI Document ID 1207847)
  - Chevrolet Corvette — Refer to Closeout/Insulator Panel Replacement - Instrument Panel (I/P) Lower (SI Document ID 1495116)
8. Clear the DTC with a scan tool and road test the vehicle.
9. If DTC C0710 resets during the road test refer to:
  - Cadillac XLR — DTC C0710 (SI Document ID 1399468)
  - Chevrolet Corvette — DTC C0710 (SI Document ID 1460425)

**Warranty Information**

For vehicles repaired under warranty, use:

Labor Operation	Description	Labor Time
N6628	Wiring and/or Connector – Steering/Suspension/Ride Control – Repair	Use Published Labor Operation Time