#PI0130: Increased Steering Effort, Service Steering System Message Displayed on DIC, DTC C0450 Set - (May 12, 2010)

Subject: Increased Steering Effort, Service Steering System Message Displayed on DIC, DTC C0450 Set

Models: 2005-2010 Cadillac STS

The following diagnosis might be helpful if the vehicle exhibits the symptom(s) described in this PI.

**Condition/Concern**

In rare cases, the customer may comment on an intermittent increased steering effort with a “Service Steering System” message displayed on the DIC.

When checking the vehicle for DTCs, the EBCM may report C0450 set as current or in history.

One of the causes of this condition may be chafing of the variable effort steering (VES) actuator wiring harness as it routes along the left front control arm. Contact with the edge of the control arm, along with suspension movement, may result in a rub-through of the wires (circuits 1787 or 345) within that harness.

**Recommendation/Instructions**

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Important: DO NOT replace the EBCM or the steering gear for this condition.

Before replacing the steering gear or EBCM, check this wiring harness. Inspect the VES actuator wiring harness for chafing that may result from rubbing as the harness routes along the left front control arm. If necessary, peel the tape from the area and look for ANY damaged wires. Repair the harness as necessary. Refer to Wiring Repairs in SI. Reroute the harness as shown in the picture above and secure away from the contact point. The harness clip will need to be removed from the power steering line and reattached to the other line on the opposite side to achieve the correct routing.

If chafing is not observed, refer to the appropriate diagnostic procedures in SI.

Warranty Information

For vehicles repaired under warranty, use:

<table>
<thead>
<tr>
<th>Labor Operation</th>
<th>Description</th>
<th>Labor Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>N6628 (2005-2009 MY)</td>
<td>Steering/Suspension/Ride Control Wiring and/or Connector Repair or Replacement</td>
<td>Use Published Labor Operation Time</td>
</tr>
<tr>
<td>N6653 (2010 MY)</td>
<td>Wire-to-Wire Repair</td>
<td></td>
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</tbody>
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