

## DIAGNOSIS AND TESTING (Continued)

**PINPOINT TEST C**  
**SERVO SOLENOIDS**  
**DTC 567 AND/OR 568 (Continued)**

| TEST STEP |   | RESULT  | ACTION TO TAKE  |
|-----------|---|---|---|
| <b>C2</b> | <b>CHECK CONTINUITY OF SOL+ CIRCUIT</b>   |   |   |
|           | <ul style="list-style-type: none"> <li>● Disconnect harness connector from the speed control servo.</li> <li>● DVOM on 200 ohm scale</li> <li>● Measure resistance between test Pin 11 and SOL+ Circuit at the harness connector.</li> </ul>  | Resistance is greater than 5 ohms<br>Resistance is less than 5 ohms.  | SERVICE open circuit. REPEAT Quick Test.<br>GO to C3.   |
| <b>C3</b> | <b>CHECK CONTINUITY OF SCVNT CIRCUIT</b>  |   |   |
|           | <ul style="list-style-type: none"> <li>● Disconnect harness connector from the speed control servo.</li> <li>● DVOM on 200 ohm scale</li> <li>● Measure resistance between test Pin 35 and SCVNT Circuit at the harness connector.</li> </ul>   | Resistance is greater than 5 ohms<br>Resistance is less than 5 ohms   | SERVICE open circuit. REPEAT Quick Test.<br>REPLACE speed control servo. REPEAT Quick Test.               |
| <b>C4</b> | <b>VACUUM SOLENOID TEST</b>   |   |   |
|           | <ul style="list-style-type: none"> <li>● Key OFF.</li> <li>● Disconnect powertrain control module 60 pin connector. Inspect for damaged pins, corrosion, loose wires, etc. Service as necessary.</li> <li>● Install Breakout box, leave powertrain control module disconnected.</li> <li>● DVOM on 200 ohm scale.</li> <li>● Measure resistance between test Pin 11 and test Pin 51.</li> </ul> | Resistance is between 40 and 75 ohms<br>Resistance is less than 40 ohms<br>Resistance is greater than 75 ohms | GO to C7.<br>REPLACE speed control servo. REPEAT Quick Test.<br>GO to C5.                                 |
| <b>C5</b> | <b>CHECK CONTINUITY OF SOL+ CIRCUIT</b>   |   |   |
|           | <ul style="list-style-type: none"> <li>● Disconnect harness connector from the speed control servo.</li> <li>● DVOM on 200 ohm scale.</li> <li>● Measure resistance between test PIN 11 and SOL+ circuit at the harness connector.</li> </ul>   | Resistance is greater than 5 ohms<br>Resistance is less than 5 ohms   | SERVICE open circuit. REPEAT Quick Test.<br>GO to C6.   |
| <b>C6</b> | <b>CHECK CONTINUITY OF SCVAC CIRCUIT</b>  |   |   |
|           | <ul style="list-style-type: none"> <li>● Disconnect harness connector from the speed control servo.</li> <li>● DVOM on 200 ohm scale.</li> <li>● Measure resistance between test Pin 51 and SCVAC circuit at the harness connector.</li> </ul>  | Resistance is greater than 5 ohms<br>Resistance is less than 5 ohms   | SERVICE open circuit. REPEAT Quick Test<br>REPLACE speed control servo. REPEAT Quick Test.                |
| <b>C7</b> | <b>CHECK SOL+ SHORT TO GROUND</b>   |   |   |
|           | <ul style="list-style-type: none"> <li>● Disconnect the harness connector from the speed control servo.</li> <li>● DVOM on 200,000 ohm scale.</li> <li>● Measure resistance between test Pin 11 and test Pin 40 at Breakout Box.</li> </ul>   | Resistance is greater than 10,000 ohms<br>Resistance is less than 10,000 ohms                                 | GO to C8.<br>SERVICE short circuit. REPEAT Quick Test (short may have damaged powertrain control module). |
| <b>C8</b> | <b>CHECK SCVNT SHORT TO GROUND</b>  |   |   |
|           | <ul style="list-style-type: none"> <li>● Disconnect the harness connector from the speed control servo.</li> <li>● DVOM on 200,000 ohm scale.</li> <li>● Measure resistance between test Pin 35 and test Pin 40 at Breakout Box.</li> </ul>   | Resistance is greater than 10,000 ohms<br>Resistance is less than 10,000 ohms                                 | GO to C9.<br>SERVICE short circuit. REPEAT Quick Test.  |
| <b>C9</b> | <b>CHECK SCVAC SHORT TO GROUND</b>  |   |   |
|           | <ul style="list-style-type: none"> <li>● Disconnect the harness connector from the speed control servo.</li> <li>● DVOM on 200,000 ohm scale.</li> <li>● Measure resistance between test Pin 51 and test Pin 40 at Breakout Box.</li> </ul>   | Resistance is greater than 10,000 ohms<br>Resistance is less than 10,000 ohms                                 | REPLACE powertrain control module. REPEAT Quick Test.<br>SERVICE short circuit. REPEAT Quick Test.        |