

DIAGNOSIS AND TESTING (Continued)

(Continued)

**PINPOINT TEST SA:  
DISPLAY DOES NOT RESPOND TO BUTTONS—NO BEEP WHEN BUTTONS PUSHED OR DRIVER ALERT GIVEN  
(Continued)**

TEST STEP		RESULT	ACTION TO TAKE												
<b>SA3</b>	<b>CHECK SWITCH WIRING CONNECTIONS</b>														
	<ul style="list-style-type: none"> <li>Remove finish panel to expose cluster.</li> <li>Verify that connections at switch assembly are securely connected.</li> <li><b>Are connections secure?</b></li> </ul>	Yes No	GO to SA4. Secure connections and RECHECK.												
<b>SA4</b>	<b>CHECK SWITCH ASSEMBLY (BUTTON PRESSED)</b>														
	<ul style="list-style-type: none"> <li>Unplug switch assembly from electronic instrument cluster (6-pin connector is located at front face of cluster to the far right).</li> <li>Measure resistance between Pin 2 (Y) and Pin 4 (O) of connector unplugged.</li> <li>The resistance should be:</li> </ul> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>BUTTON</th> <th>RESISTANCE (in ohms)</th> </tr> </thead> <tbody> <tr> <td>E/M</td> <td>4900-5400</td> </tr> <tr> <td>SELECT</td> <td>2200-2400</td> </tr> <tr> <td>SPEED</td> <td>320-360</td> </tr> <tr> <td>RESET</td> <td>980-985</td> </tr> <tr> <td>NO BUTTON PRESSED</td> <td>17000-17800</td> </tr> </tbody> </table> <p>NOTE: Press only one button at a time. Wiggle wire at 6-pin switch connector and at switch module and check for loose connections.</p> <ul style="list-style-type: none"> <li><b>Is resistance within range?</b></li> </ul>	BUTTON	RESISTANCE (in ohms)	E/M	4900-5400	SELECT	2200-2400	SPEED	320-360	RESET	980-985	NO BUTTON PRESSED	17000-17800	Yes No	GO to SA5. REPLACE switch assembly.
BUTTON	RESISTANCE (in ohms)														
E/M	4900-5400														
SELECT	2200-2400														
SPEED	320-360														
RESET	980-985														
NO BUTTON PRESSED	17000-17800														
<b>SA5</b>	<b>CHECK CLUSTER WIRING CONNECTIONS</b>														
	<ul style="list-style-type: none"> <li>Visually inspect 6-pin switch connector for poor/damaged or missing connections.</li> </ul>	Cluster pin damaged/missing Switch module pins damaged/missing All pins OK	REPLACE cluster. REPLACE switch module. REPLACE cluster.												
<b>SA6</b>	<b>CHECK TONE CIRCUIT</b>														
	<ul style="list-style-type: none"> <li>Disconnect battery ground cable.</li> <li>Remove cluster.</li> <li>Turn ignition switch to RUN and wait for the fasten safety belt reminder chime to end.</li> <li>Place jumper wire between harness Connector A, Pin 19 and ground. Listen for chime.</li> </ul> <div style="text-align: center;"> <p><b>CCA CONNECTOR PLUG A ON EIC</b></p> </div> <p style="text-align: right;"><b>K16684-A</b></p>	Yes No	REPLACE cluster. SERVICE wiring Circuit 183 for open. CHECK for correct warning chime module part number or operation.												
	<ul style="list-style-type: none"> <li><b>Does chime sound?</b></li> </ul>														