

## DIAGNOSIS (Continued)

DIAGNOSIS (Continued)

**PINPOINT TEST B  
AUTOMATIC LOCKING SYSTEM (Continued)**

TEST STEP	RESULT	ACTION TO TAKE
<b>B8</b> VERIFY NO INPUT TO MODULE WHEN ALL DOORS ARE CLOSED (DOOR JAMB SWITCHES)		
<ul style="list-style-type: none"> <li>● For each door (with all other doors closed):               <ul style="list-style-type: none"> <li>— Disconnect module connector (J1).</li> <li>— Measure the continuity between B+ (Circuit 54) and Pin 17 of connector (J1) with door open then closed.</li> </ul> </li> </ul> <p>NOTE: Dimmer switch must be off for this test.</p>	<p>Continuity with door open and no continuity with door closed (for all doors) ▶</p> <p>No continuity with door open (for one or more doors) ▶</p> <p>Continuity with door closed (for one or more doors) ▶</p>	<p>GO to B9.</p> <p>REPLACE damaged switch(es). REPEAT Quick Test.</p> <p>SERVICE short in door switch or circuitry. REPEAT Quick Test.</p>
<b>B9</b> VERIFY NO INPUT TO MODULE WHEN ALL DOORS ARE CLOSED (DOOR AJAR SWITCHES)		
<ul style="list-style-type: none"> <li>● Disconnect anti-theft module, if equipped, and connector (J2).</li> <li>● With ALL doors closed, measure continuity between Pin 9 (J2) and ground.</li> <li>● Is there continuity?</li> </ul>	<p>Yes ▶</p> <p>No ▶</p>	<p>GO to B10.</p> <p>SERVICE short in Circuit 627 and / or damaged / worn door ajar switch. REPEAT Quick Test.</p>
<b>B10</b> VERIFY NO INPUT TO MODULE WHEN DOORS ARE OPEN (DOOR AJAR SWITCHES)		
<ul style="list-style-type: none"> <li>● Disconnect anti-theft module, if equipped, and connector (J2).</li> <li>● For each door:               <ul style="list-style-type: none"> <li>— Open door, measure continuity between Pin 9 (J2) and ground.</li> </ul> </li> <li>● Is there continuity for each door open and no continuity for doors closed?</li> </ul>	<p>Yes ▶</p> <p>No ▶</p>	<p>GO to B11.</p> <p>SERVICE damaged / worn door ajar switch and / or open in Circuit 627. REPEAT Quick Test.</p>
<b>B11</b> VERIFY NO INPUT TO MODULE WHEN IGNITION OFF		
<ul style="list-style-type: none"> <li>● Key Off.</li> <li>● Check voltage at Pin 6 of connector (J2) to ground.</li> <li>● Is reading greater than zero volts?</li> </ul>	<p>No ▶</p> <p>Yes ▶</p>	<p>GO to B12.</p> <p>SERVICE or REPLACE ignition switch. REPEAT Quick Test.</p>
<b>B12</b> INPUT TO MODULE WHEN IGNITION ON		
<ul style="list-style-type: none"> <li>● Key to Run.</li> <li>● Check voltage at Pin 6 of connector (J2) to ground.</li> <li>● Is reading 10 volts or greater?</li> </ul>	<p>Yes ▶</p> <p>No ▶</p>	<p>GO to B14.</p> <p>GO to B13.</p>
<b>B13</b> BREAK OR SHORT IN IGNITION SWITCH CIRCUIT		
<ul style="list-style-type: none"> <li>● Key to Off.</li> <li>● Check for a short between Pin 6 of connector (J2) and ground.</li> <li>● Check continuity between Pin 6 of connector (J2) and Circuit 298 of the ignition switch.</li> </ul>	<p>Continuity and no short-to-ground ▶</p> <p>Short-to-ground or open in Circuit 298 ▶</p>	<p>GO to B14.</p> <p>SERVICE Circuit 298 or CHECK ignition switch. REPEAT Quick Test.</p>
<b>B14</b> CHECK TRANSMISSION SENSOR INPUT		
<ul style="list-style-type: none"> <li>● Key to Run.</li> <li>● Check voltage at Pin 16 of connector (J2) to ground.</li> <li>● Transmission lever in REVERSE. —Then try all other positions.</li> </ul>	<p>VOM Reading:</p> <p>10 volts or more in Reverse. Zero volts in all other gears ▶</p> <p>Less than 10 volts in Reverse or more than zero volts in other gears ▶</p>	<p>REPLACE module. REPEAT Quick Test.</p> <p>GO to B15.</p>