

## DIAGNOSIS (Continued)

PINPOINT TEST D  
KEYPAD INPUT (Continued)

| TEST STEP   | RESULT   | ACTION TO TAKE   |
|---|--|--|
| <b>D2</b> CHECK KEYPAD FAILING BUTTON CIRCUIT AT KEYPAD CONNECTOR   |  |  |
| <ul style="list-style-type: none"> <li>Remove door trim panel (Section 01-05).</li> <li>Disconnect keypad connector.</li> <li>Using above chart, check circuits that correspond to the failing button for resistance less than 100 k ohms between keypad connector and ground or Circuit 124.</li> <li>Is resistance low?</li> </ul>  | Yes<br>No  | REPLACE switch.<br>SERVICE harness between module connector and keypad connector for short.<br>REPEAT Quick Test.          |
| <b>D3</b> CHECK SWITCH INPUT  |  |  |
| <ul style="list-style-type: none"> <li>Verify Circuit 124 continuity from Pin 13 to Pin 4 of connector (J2) with 1/2 button depressed.</li> <li>Is there continuity?</li> </ul>   | Yes<br>No  | GO to D4.<br>SERVICE open or shorted wire.<br>REPEAT Quick Test.   |
| <b>D4</b> CHECK MODULE OUTPUT WITH SIMULATED INPUT  |  |  |
| <ul style="list-style-type: none"> <li>Connect meter between Pin 8 connector (J2) and ground.               <ul style="list-style-type: none"> <li>Do not disconnect the connector from the module.</li> </ul> </li> <li>For each button that failed to light the keypad:               <ul style="list-style-type: none"> <li>Watch the meter as you momentarily connect a jumper between Pin 4 of connector (J2) and Pins 13, 2, 12, 11 and 2. (Wait at least 5 seconds between jumper connections.)</li> </ul> </li> </ul> | VOM Reading:<br>5 volts or more for five seconds for each test<br>Below 5 volts or less than five seconds for any test | GO to D5.<br>REPLACE module.<br>REPEAT Quick Test.   |
| <b>D5</b> CHECK FOR SHORTS BETWEEN ALL REMAINING PINS   |  |  |
| <ul style="list-style-type: none"> <li>Keypad disconnected</li> <li>Check for continuity between Pin 8 and every pin of the keypad at the connector.               <ul style="list-style-type: none"> <li>—then between Pin 4 and every pin, etc., until all pin pairs have been checked.</li> </ul> </li> </ul>  | All open circuits (except between Pins 3 and 7)<br>Short found   | GO to D6.<br>REPLACE keypad.<br>REPEAT Quick Test.   |
| <b>D6</b> CHECK CONTINUITY TO KEYPAD WITH KEY PRESSED   |  |  |
| <ul style="list-style-type: none"> <li>Check for Continuity between Pin 5 and Pin 8 of keypad connector.</li> <li>Repeat for each key in turn with key pressed, checking continuity between the corresponding pin in the table at the start of Pinpoint Test D, and Pin 8 of keypad connector.</li> <li>Is there continuity?</li> </ul>   | Yes<br>No  | SERVICE open or short in circuit of non-functional buttons.<br>REPEAT Quick Test.<br>REPLACE keypad.<br>REPEAT Quick Test. |

TN7188B

PINPOINT TEST E  
ILLUMINATED ENTRY

Perform Test ONLY If Instructed To Do So By Quick Test

This Pinpoint Test Checks:

- Lock Cylinder LED's
- Door Handle Switches

- Remote Keyless Entry Module
- Circuit 54, 298, 465, 53, 57, 397, 517, 707
- Battery Saver I/O
- Instrument Panel Dimmer Switch
- Door Jamb Switches
- Ignition Switch Input