

DIAGNOSIS AND TESTING (Continued)

PINPOINT TEST INDEX (Cont'd)

| SYMPTOM  | PINPOINT TESTS |
|--|----------------|
| ACCEL / Tap-Up Inoperative                             | D              |
| RESUME Inoperative                                     | E              |
| Speed Control Does Not Disengage When Brake is Applied | F              |
| OFF Switch Inoperative                                 | G              |

Pinpoint Tests

Tools Required:

- Rotunda Digital Volt-Ohmmeter 014-00407

The following pinpoint tests require a Rotunda Digital Volt-Ohmmeter 014-00407 or equivalent.

PINPOINT TEST A  
SPEED CONTROL DOES NOT WORK

| TEST STEP  | RESULT    | ACTION TO TAKE   |
|--|-----------|--|
| <b>A1</b> VERIFY POWER TO SPEED CONTROL SERVO  |           |  |
| <ul style="list-style-type: none"> <li>● Disconnect 14290 harness connector from servo assembly.</li> <li>● Use a VOM to make the specified measurements at the connector.</li> <li>● With ignition switch in RUN position, measure voltage between Pin 7 (Battery Positive Voltage (B+), Circuit 296) and Pin 10 (GND, Circuit 57).</li> <li>● Is there battery voltage?</li> </ul> | Yes<br>No | GO to A4.<br>GO to A2.                                     |
| <b>A2</b> CHECK IGNITION CIRCUIT   |           |  |
| <ul style="list-style-type: none"> <li>● With ignition switch in RUN position, measure voltage between Pin 7 (Battery Positive Voltage (B+), Circuit 296) and a ground point on the chassis.</li> <li>● Is there battery voltage?</li> </ul>   | Yes<br>No | GO to A3.<br>SERVICE ignition fuse or circuit as required. |
| <b>A3</b> CHECK MODULE GROUND CIRCUIT  |           |  |
| <ul style="list-style-type: none"> <li>● Measure resistance between Pin 10 (GND, Circuit 57) and a ground point on the chassis.</li> <li>● Is resistance less than 1 ohm?</li> </ul>   | Yes<br>No | REPEAT Step A1.<br>SERVICE ground circuit.                 |
| <b>A4</b> CHECK DEACTIVATOR SWITCH CIRCUIT   |           |  |
| <ul style="list-style-type: none"> <li>● With no brakes applied, measure voltage between Pin 9 (DEACT, Circuit 636) and Pin 10 (GND, Circuit 57).</li> <li>● Is there battery voltage?</li> </ul>  | Yes<br>No | GO to A8.<br>GO to A5.                                     |
| <b>A5</b> CHECK DEACTIVATOR SWITCH   |           |  |
| <ul style="list-style-type: none"> <li>● Remove 14290 harness connector from deactivator switch. Measure resistance between two pins of switch with no brakes applied.</li> <li>● Is resistance less than 1 ohm?</li> </ul>  | Yes<br>No | GO to A6.<br>REPLACE switch.                               |
| <b>A6</b> VERIFY POWER AT DEACTIVATOR SWITCH HARNESS CONNECTOR   |           |  |
| <ul style="list-style-type: none"> <li>● Measure voltage between Circuit 10 of deactivator switch connector and chassis ground.</li> <li>● Is there battery voltage?</li> </ul>  | Yes<br>No | GO to A7.<br>SERVICE blown fuse or open in circuit.        |
| <b>A7</b> CHECK FOR OPEN CIRCUIT BETWEEN DEACTIVATOR SWITCH AND SPEED CONTROL SERVO  |           |  |
| <ul style="list-style-type: none"> <li>● Measure resistance of Circuit 636 from deactivator switch connector to Pin 9 (Circuit 636) of servo connector.</li> <li>● Is resistance less than 1 ohm?</li> </ul>   | Yes<br>No | REPEAT Step A4.<br>SERVICE open circuit in harness.        |
| <b>A8</b> CHECK BRAKE SWITCH   |           |  |
| <ul style="list-style-type: none"> <li>● With no brakes applied, measure voltage between Pin 4 (BRK, Circuit 810) and Pin 10 (GND, Circuit 57).</li> <li>● Is there battery voltage?</li> </ul>  | Yes<br>No | REPLACE switch.<br>GO to A9.                               |
| <b>A9</b> CHECK BRAKE CIRCUIT  |           |  |
| <ul style="list-style-type: none"> <li>● Measure resistance between Pin 4 (BRK, Circuit 810) and Pin 10 (GND, Circuit 57).</li> <li>● Is resistance less than 10 ohms?</li> </ul>  | Yes<br>No | GO to A10.<br>SERVICE brakelamp bulbs or circuit.          |