

## DIAGNOSIS AND TESTING (Continued)

PINPOINT TEST E  
RESUME INOPERATIVE

TEST STEP	RESULT	ACTION TO TAKE
<b>E1</b> CHECK RESUME SWITCH OPERATION		
<ul style="list-style-type: none"> <li>Disconnect 14290 harness connector from speed control servo.</li> <li>With RESUME switch depressed, measure resistance between Pin 5 (command, Circuit 151) and Pin 6 (command RTN, Circuit 461) while rotating steering wheel through full range.</li> <li>Is resistance between 2090 and 2310 ohms?</li> </ul>	Yes No	GO to E2. REPLACE switch.
<b>E2</b> CHECK COMMAND SWITCH RETURN CIRCUIT		
<ul style="list-style-type: none"> <li>Measure resistance between Pin 6 (command RTN, Circuit 461) and Pin 10 (GND, Circuit 57).</li> <li>Is resistance greater than 1 ohm?</li> </ul>	Yes No	REPLACE speed control servo. SERVICE ground in switch return circuit.

PINPOINT TEST F  
SPEED CONTROL DOES NOT DISENGAGE WHEN BRAKE IS APPLIED

TEST STEP	RESULT	ACTION TO TAKE
<b>F1</b> CHECK BRAKE SWITCH CIRCUIT		
<ul style="list-style-type: none"> <li>Disconnect 14290 harness connector at the speed control servo.</li> <li>With 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 No	REPLACE speed control servo. SERVICE switch, fuse or open circuit.
<b>F2</b> CHECK FOR BINDS IN ACTUATOR CABLE AND THROTTLE BODY ATTACHMENT		
<ul style="list-style-type: none"> <li>Remove actuator cable from speed control servo.</li> <li>Check for broken or binding cable by pulling on cable ball slug to ensure throttle moves freely.</li> <li>Is cable OK?</li> </ul>	Yes No	REPLACE speed control servo. SERVICE as required.

PINPOINT TEST G  
OFF SWITCH INOPERATIVE

TEST STEP	RESULT	ACTION TO TAKE
<b>G1</b> CHECK OFF SWITCH OPERATION		
<ul style="list-style-type: none"> <li>Disconnect 14290 harness connector from speed control servo.</li> <li>With OFF switch depressed, measure resistance between Pin 5 (command, Circuit 151) and Pin 6 (command RTN, Circuit 46) while rotating steering wheel through full range.</li> <li>Is resistance less than 4 ohms?</li> </ul>	Yes No	REPLACE speed control servo. REPLACE switch.

## Voltage Measurements

Remove 14290 harness connector from speed control servo. Connect the negative lead of voltmeter to Pin 10 (Circuit 57) of connector. Measure the DC or voltage of the following circuits with positive lead meter.