

## DIAGNOSIS AND TESTING (Continued)

**PINPOINT TEST A**  
**SPEED CONTROL DOES NOT WORK (Continued)**

TEST STEP		RESULT	ACTION TO TAKE
<b>A10</b>	CHECK FOR STUCK ON SWITCH		
	<ul style="list-style-type: none"> <li>● With no steering wheel switches depressed, measure voltage between Pin 5 (command, Circuit 151) and Pin 10 (GND, Circuit 57).</li> <li>● <b>Is there battery voltage?</b></li> </ul>	No Yes	GO to A11. REPLACE switch.
<b>A11</b>	CHECK ON SWITCH OPERATION		
	<ul style="list-style-type: none"> <li>● With steering wheel ON switch depressed, measure voltage between Pin 5 (command, Circuit 151) and Pin 10 (GND, Circuit 57).</li> <li>● <b>Is there battery voltage?</b></li> </ul>	Yes No	GO to A13. GO to A12.
<b>A12</b>	CHECK FOR OPEN CIRCUIT IN SWITCH GROUND		
	<ul style="list-style-type: none"> <li>● With horn depressed, measure voltage between Pin 6 (command RTN, Circuit 461) and chassis ground.</li> <li>● <b>Is there battery voltage?</b></li> </ul>	Yes No	REPLACE switch. SERVICE open, blown fuse, failed relay or open in switch return circuit.
<b>A13</b>	CHECK FOR STUCK COMMAND SWITCHES		
	<ul style="list-style-type: none"> <li>● With no steering wheel switches depressed, measure resistance between Pin 5 (command, Circuit 151) and Pin 6 (command RTN, Circuit 461).</li> <li>● <b>Is resistance greater than 3k ohms?</b></li> </ul>	Yes No	GO to A14. REPLACE inoperative switch.
<b>A14</b>	CHECK SET/ACCEL SWITCH OPERATION		
	<ul style="list-style-type: none"> <li>● With the SET/ACCEL switch depressed, measure resistance between Pin 5 (command, Circuit 151) and Pin 6 (command RTN, Circuit 461).</li> <li>● <b>Is resistance between 646 and 714 ohms?</b></li> </ul>	Yes No	GO to A15. REPLACE switch.
<b>A15</b>	CHECK VSS CIRCUIT		
	<ul style="list-style-type: none"> <li>● Measure resistance between Pin 3 (VSS, Circuit 150) and Pin 10 (GND, Circuit 57).</li> <li>● <b>Is resistance between 200 and 300 ohms?</b></li> </ul>	Yes No	GO to A17. GO to A16.
<b>A16</b>	CHECK VSS		
	<ul style="list-style-type: none"> <li>● Remove VSS connector.</li> <li>● Measure resistance across VSS terminals.</li> <li>● <b>Is resistance between 200 and 300 ohms?</b></li> </ul>	Yes No	CHECK for opens in wiring or short in Circuit 57. REPLACE VSS.
<b>A17</b>	CHECK FOR BROKEN OR BINDING CABLE		
	<ul style="list-style-type: none"> <li>● Remove actuator cable from speed control servo assembly.</li> <li>● Check for broken or binding cable by pulling on cable ball slug to ensure throttle moves freely.</li> <li>● <b>Is cable OK?</b></li> </ul>	Yes No	REPLACE servo assembly. REPLACE cable.

**PINPOINT TEST B**  
**SPEED CONTINUOUSLY CHANGES**

TEST STEP		RESULT	ACTION TO TAKE
<b>B1</b>	VERIFY CONDITION OCCURS ONLY WHILE USING SPEED CONTROL		
	<ul style="list-style-type: none"> <li>● Verify that engine is properly tuned.</li> <li>● Verify that condition does not occur when driving without speed control.</li> <li>● <b>Does condition occur without speed control?</b></li> </ul>	Yes No	SERVICE engine as required. GO to B2.