

DIAGNOSIS AND TESTING (Continued)

PINPOINT TEST A  
SPEED CONTROL DOES NOT WORK (Continued)

TEST STEP		RESULT	ACTION TO TAKE
<b>A7</b>	<b>CHECK VACUUM HOSES</b> <ul style="list-style-type: none"> <li>Is vacuum supply hose tightly connected to VAC port on manifold check valve and to vacuum manifold, and free of cuts, cracks and kinks?</li> <li>Are vacuum hoses tightly connected between check valves and speed control servo, and free of cuts, cracks and kinks?</li> <li>Is vacuum hose tightly connected between check valve and reservoir, and free of cuts, cracks and kinks?</li> <li>Is dump valve hose tightly connected to the speed control servo and speed control metering valve, and free of cuts, cracks and kinks?</li> </ul>	Yes	▶ GO to A8.
		No	▶ SERVICE as required.
<b>A8</b>	<b>CHECK THE CHECK VALVE AND RESERVOIR</b> <ul style="list-style-type: none"> <li>Disconnect the hose between check valve and speed control servo, at the speed control servo end.</li> <li>Apply 60.6 kPa (18 in-Hg) vacuum to open end of hose.</li> <li>Can vacuum be pumped to and held at 60.6 kPa (18 in-Hg) vacuum?</li> </ul>	Yes	▶ GO to A9.
		No	▶ SERVICE as required.
<b>A9</b>	<b>CHECK SPEED CONTROL METERING (DUMP) VALVE</b> <ul style="list-style-type: none"> <li>Check speed control metering (dump) valve.</li> <li>Is speed control metering (dump) valve OK?</li> </ul>	Yes	▶ GO to A10.
		No	▶ SERVICE or ADJUST as required.
<b>A10</b>	<b>PERFORM CONTROL SWITCHES AND CIRCUIT TEST</b> <ul style="list-style-type: none"> <li>Perform control switches and circuit tests as outlined.</li> <li>Are circuits and switches OK?</li> </ul>	Yes	▶ GO to A11.
		No	▶ SERVICE or REPLACE switches or circuits as required.
<b>A11</b>	<b>PERFORM SPEED CONTROL SERVO TESTS</b> <ul style="list-style-type: none"> <li>Perform speed control servo tests as outlined.</li> <li>Are tests successful?</li> </ul>	Yes	▶ GO to A12.
		No	▶ REPLACE speed control servo.
<b>A12</b>	<b>PERFORM VSS TEST</b> <ul style="list-style-type: none"> <li>Perform vehicle speed sensor test as outlined.</li> <li>Is test successful?</li> </ul>	Yes	▶ GO to A13.
		No	▶ REPLACE VSS.
<b>A13</b>	<b>PERFORM SPEED CONTROL AMPLIFIER TEST</b> <ul style="list-style-type: none"> <li>Perform speed control amplifier test as outlined.</li> <li>Is test successful?</li> </ul>	Yes	▶ INSTALL a new speed control amplifier.
		No	▶ EXAMINE all connectors carefully for proper contact. SERVICE as required. REMOVE substitute speed control amplifier.

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