

## DIAGNOSIS AND TESTING (Continued)

## PINPOINT TEST B: SPEED CONTROL OPERATION IS INTERMITTENT

TEST STEP		RESULT	ACTION TO TAKE
B1	VERIFY THE CONDITION		
	<ul style="list-style-type: none"> <li>Note carefully when intermittent action occurs.</li> </ul>		GO to B2.
B2	INSPECT VISUALLY		
	<ul style="list-style-type: none"> <li>Perform Visual Inspection Test.</li> </ul>	Intermittent action occurs while cruising	GO to B3.
		Intermittent action occurs while using control buttons or turning steering wheel	GO to B5.
B3	CHECK VACUUM TO SPEED CONTROL SERVO		
	<ul style="list-style-type: none"> <li>Check vacuum supply to speed control servo.</li> </ul> <p>NOTE: 8.42 kPa, (2.5 in-Hg) is minimum vacuum for normal speed control servo operation. The vacuum source hose is attached to the 7.9mm (5/16 inch) engine vacuum-fitting port.</p> <ul style="list-style-type: none"> <li>Is vacuum OK?</li> </ul>	Yes	GO to B4.
		No	SERVICE vacuum supply.
B4	PERFORM SPEED CONTROL SERVO ASSEMBLY TEST		
	<ul style="list-style-type: none"> <li>Perform Speed Control Servo Assembly Test. Lightly tap speed control servo body while making test.</li> <li>Is test successful?</li> </ul>	Yes	SUBSTITUTE known good speed control amplifier if OK — properly INSTALL speed control amplifier.
		No	REPLACE speed control servo assembly.
B5	PERFORM CONTROL SWITCHES AND CIRCUIT TEST		
	<ul style="list-style-type: none"> <li>Perform control switches and circuit tests as outlined.</li> <li>Are tests successful?</li> </ul>	Yes	SUBSTITUTE known good speed control amplifier if OK — properly INSTALL speed control amplifier.
		No	SERVICE circuits. REPLACE horn pad assembly.

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## PINPOINT TEST C: SPEED CONTROL OPERATES BUT DOES NOT RESUME, ACCELERATE OR COAST DOWN PROPERLY

TEST STEP		RESULT	ACTION TO TAKE
C1	VERIFY THE CONDITION		
			GO to C2.
C2	CHECK THE FOLLOWING SWITCHES AND CIRCUITS		
	<ul style="list-style-type: none"> <li>Check the SET ACCEL switch, RESUME switch, COAST switch and clockspring circuits.</li> <li>Are all circuits and switches OK?</li> </ul>	Yes	GO to C3.
		No	SERVICE the circuit as required.
C3	CHECK VACUUM HOSES		
	<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 C4.
		No	SERVICE as required.