

DIAGNOSIS AND TESTING (Continued)

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

TEST STEP		RESULT	ACTION TO TAKE
C4	CHECK THE CHECK VALVE AND RESERVOIR		
	<ul style="list-style-type: none"> ● Disconnect the hose between check valve and speed control servo, at the speed control servo end. ● Apply 60.6 kPa (18 in-Hg) vacuum to open end of hose. ● Can vacuum be pumped to, and held at, 60.6 kPa (18 in-Hg) vacuum? 	Yes No	GO to C5. SERVICE as required.
C5	TEST SPEED CONTROL SERVO		
	<ul style="list-style-type: none"> ● Perform speed control servo test as outlined. ● Is test successful? 	Yes No	GO to C6. REPLACE speed control servo.
C6	TEST SPEED CONTROL AMPLIFIER		
	<ul style="list-style-type: none"> ● Perform Speed Control Amplifier Test as outlined. ● Is test successful? 	Yes No	REPLACE speed control amplifier. CHECK circuit connections for proper contact. SERVICE as required.

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PINPOINT TEST D: SPEED CONTINUOUSLY CHANGES UP AND DOWN

TEST STEP		RESULT	ACTION TO TAKE
D1	VERIFY CONDITION		GO to D2.
D2	CHECK THROTTLE LINKAGE		
	<ul style="list-style-type: none"> ● Check throttle linkage for proper operation and adjustment. ● Is operation and adjustment OK? 	Yes No	GO to D3. SERVICE or ADJUST as required.
D3	CONTINUITY CHECK		
	<ul style="list-style-type: none"> ● Check continuity of Circuits 147, 148 and 149. ● Is there continuity in all circuits? 	Yes No	GO to D4. SERVICE or REPLACE wiring as necessary.
D4	CHECK VACUUM HOSES		
	<ul style="list-style-type: none"> ● Is vacuum supply hose tightly connected to VAC port on manifold check valve and to vacuum manifold, and free of cuts, cracks and kinks? ● Are vacuum hoses tightly connected between check valves and speed control servo, and free of cuts, cracks and kinks? ● Is vacuum hose tightly connected between check valve and reservoir, and free of cuts, cracks and kinks? ● Is dump valve hose tightly connected to the speed control servo and speed control metering valve, and free of cuts, cracks and kinks? 	Yes No	GO to D5. SERVICE or REPLACE wiring as necessary.
D5	CHECK THE CHECK VALVE AND RESERVOIR		
	<ul style="list-style-type: none"> ● Disconnect the hose between check valve and speed control servo, at the speed control servo end. ● Apply 60.6 kPa (18 in-Hg) vacuum to open end of hose. ● Can vacuum be pumped to and held at 60.6 kPa (18 in-Hg) vacuum? 	Yes No	GO to D6. SERVICE as required.
D6	TEST SPEED CONTROL SERVO		
	<ul style="list-style-type: none"> ● Perform speed control servo test as outlined. ● Is test successful? 	Yes No	GO to D7. REPLACE as required.