DIAGNOSIS AND TESTING (Continued)

STOP-WARNING

You should enter this Pinpoint Test only when Diagnostic Trouble Code (DTC) 455 is received in the KOER Self-Test.

This Pinpoint Test is intended to diagnose only the following:

- Actuator cable
- Vacuum hose connections
- Speed control metering valve adjustment
- Powertrain control module
- Speed control vacuum reservoir
- Check valve

PINPOINT TEST D
SPEED DOES NOT INCREASE DURING DYNAMIC TEST

TEST STEP		RESULT ▶	ACTION TO TAKE
D1	DIAGNOSTIC TROUBLE CODE 455		
	• Repeat KOER Self-Test of Quick Test. Be sure that the speed control ON button is pressed before pressing the SUPER STAR II push button.	Diagnostic Trouble Code 455 still present ▶	GO to **D2.**
		No Diagnostic Trouble Code 455 ▶	Increase vehicle speed test passed. SERVICE any other Diagnostic Trouble Code as necessary.
D2	CHECK ACTUATOR CABLE CONNECTION TO THROTTLE BODY AND SPEED CONTROL SERVO		
	• Is actuator cable attached to throttle body accelerator linkage? • Is actuator cable attached to speed control servo linkage?	Yes ▶	GO to **D3.**
		No ▶	SERVICE as necessary.
D3	CHECK VACUUM HOSES		
	• Is speed control servo vacuum supply hose tightly connected to VAC port on check valve and to the 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 speed control vacuum reservoir, and free of cuts, cracks and kinks? • Is the speed control metering valve hose tightly connected to the speed control servo and to the speed control metering valve, and free of cuts, cracks and kinks?	Yes ▶	GO to **D4.**
		No ▶	SERVICE hoses. REPEAT Quick Test.
D4	VACUUM LEAK DOWN CHECK		
	• 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 (18in-Hg) vacuum?	Yes ▶	GO to **D6.**
		No ▶	GO to **D5.**
D5	CHECK VACUUM RESERVOIR		
	• Disconnect hose between check valve and speed control vacuum reservoir, at check valve end. • Install vacuum pump to open end of hose to speed control vacuum reservoir. • Apply 60.6 kPa (18 in-Hg) vacuum to the speed control vacuum reservoir. • Does speed control vacuum reservoir hold vacuum?	Yes ▶	REPLACE check valve. REPEAT Quick Test.
		No ▶	REPLACE speed control vacuum reservoir. REPEAT Quick Test.
D6	CHECK SPEED CONTROL METERING (DUMP) VALVE		
	• Is the speed control metering (dump) valve adjusted properly so that the speed control metering (dump) valve is closed when the brake pedal is not depressed?	Yes ▶	GO to **C1.**
		No ▶	ADJUST speed control metering valve. REPEAT Quick Test.