

DIAGNOSIS AND TESTING (Continued)

PINPOINT TEST G: SPEED SENSOR

TEST STEP		RESULT	ACTION TO TAKE
G1	VSS RESISTANCE CHECK		
	<ul style="list-style-type: none"> ● Key off, wait 10 seconds. ● Disconnect powertrain control module 60 pin connector. Inspect for damaged pins, corrosion, loose wires, etc. Service as necessary. ● Install breakout box, leave powertrain control module disconnected. ● Rotunda Digital Volt-Ohmmeter (DVOM) 014-00407 or equivalent, on 2000 ohm scale. ● Measure resistance between test Pin 3 and test Pin 6. 	DVOM reading less than 180 ohms	▶ GO to G2.
		DVOM reading greater than 240 ohms	▶ GO to G3.
		DVOM reading between 180 and 240 ohms	▶ REFER to Section 07-01 for AXOD-E electrical system diagnosis. PERFORM drive cycle and monitor for continuous codes 57, 59, 62 and 69. PERFORM diagnostics as required.
G2	CHECK FOR SHORT IN VSS INPUT CIRCUIT		
	<ul style="list-style-type: none"> ● Key off. ● Disconnect harness connector from vehicle speed sensor. ● DVOM on 2000 ohm scale. ● Measure resistance between the two connector pins on the VSS. 	DVOM reading less than 180 ohms	▶ REPLACE VSS. REPEAT Quick Test.
		DVOM reading between 180 and 240 ohms	▶ SERVICE short in wire harness between VSS and PCM Pins 3 and 6 or grounded 150 Circuit. REPEAT Quick Test.
G3	CHECK FOR OPEN IN VSS INPUT CIRCUIT		
	<ul style="list-style-type: none"> ● Key off. ● Disconnect harness connector from VSS. ● DVOM on 2000 ohm scale. ● Measure resistance between the two connector pins on the VSS. 	DVOM reading greater than 240 ohms	▶ REPLACE VSS. REPEAT Quick Test.
		DVOM reading between 180 and 240 ohms	▶ SERVICE open in wire harness between VSS and PCM Pins 3 and 6. REPEAT Quick Test.

TL5152E

STOP-WARNING

You should enter this Pinpoint Test only if directed here from the Diagnostic by Symptom Chart.

This Pinpoint Test is intended to diagnose only the following:

- Clutch switch resistance check
- Open in clutch switch circuit
- Clutch switch adjustment

**PINPOINT TEST H
CLUTCH SWITCH**

TEST STEP		RESULT	ACTION TO TAKE
H1	CLUTCH INPUT CHECK		
	<ul style="list-style-type: none"> ● Key OFF. Wait 10 seconds. ● Disconnect powertrain control module (PCM) 60 pin connector. Inspect for damaged pins, corrosion, loose wires, etc. Service as necessary. ● Install Breakout Box. ● DVOM on 200 ohm scale. ● Measure resistance between test Pin 30 and test Pin 46 with the clutch pedal down. ● Is resistance less than 5 ohms? 	Yes	▶ REPLACE powertrain control module. Road test to verify that depressing the clutch disengages the speed control.
		No	▶ GO to H2.