

DIAGNOSIS AND TESTING (Continued)

**PINPOINT TEST A
SPEED CONTROL SWITCHES (Continued)**

TEST STEP		RESULT	ACTION TO TAKE
A4	SWITCH IS STUCK		
	<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 5000 ohm scale. ● Measure resistance between test Pin 28 and test Pin 39. ● Is resistance reading between 0 ohms and 2310 ohms? 	Yes No	<ul style="list-style-type: none"> ▶ REPLACE switches. ▶ REPLACE powertrain control module.
A5	DIAGNOSTIC TROUBLE CODE 459		
	<ul style="list-style-type: none"> ● Did you press the OFF, COAST, ACCEL and RESUME buttons during the IVSC KOEO QUICK TEST? 	Yes No	<ul style="list-style-type: none"> ▶ GO to A6. ▶ REPEAT IVSC KOEO Quick Test.
A6	GROUND CIRCUIT TO SWITCHES OPEN		
	<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. ● Disconnect speed control switch plug in steering column shroud. ● DVOM on 200 ohm scale. ● Measure resistance between test Pin 39 and ground terminal in 14290 half of disconnected switch plug. ● Is resistance reading greater than 5 ohms? 	Yes No	<ul style="list-style-type: none"> ▶ SERVICE open circuit between EEC-IV connector Pin 39 and switch plug ground terminal. ▶ REPLACE powertrain control module.

TL5139D

Stop-Warning

You should enter this Pinpoint Test only when a Diagnostic Trouble Code (DTC) 536 is received in the KOEO Self-Test.

To prevent the replacement of good components, be aware that the following non-IVSC areas may be at fault:

- Brakelamp, brake switch, and fuse

This Pinpoint Test is intended to diagnose only the following:

- BOO Circuit
- Powertrain Control Module

**PINPOINT TEST B
BRAKE ON/OFF (BOO)**

TEST STEP		RESULT	ACTION TO TAKE
B1	DIAGNOSTIC TROUBLE CODE 536		
	<ul style="list-style-type: none"> ● Did you press brake during the KOEO Self-Test? 	Yes No	<ul style="list-style-type: none"> ▶ GO to B2. ▶ REPEAT KOEO Self-Test. PRESS brake once during test.