

DIAGNOSIS AND TESTING (Continued)

(Continued) DIAGNOSIS AND TESTING

PIN NUMBER	CIRCUIT	CIRCUIT FUNCTION
47	355 (GY/W)	Throttle Position (TP) Sensor
48	200 (BR)	STI Connector
49	89 (O)	H02S Ground
50	967 (LB/R)	MAF Sensor
51	145 (GY/BK)	Speed Control Vacuum Solenoid (SCVAC)
52	—	Not Used
53	—	Not Used
54	331 (PK/Y)	WOT Cutout Relay
55	197 (T/O)	Electro-Drive Fan
56	349 (DB)	Profile Ignition Pick-Up (PIP)
57	361 (R)	Vehicle Power
58	555 (T)	Fuel Injector No. 1
59	556 (W)	Fuel Injector No. 2
60	60 (BK/LG)	Power Ground

TL8190A

DIAGNOSTIC BY SYMPTOM

SYMPTOM	ACTION TO TAKE
● Speed control does not work.	GO to G.
● Code "11" displayed on QUICK TESTS.	
● Clutch does not disengage speed control on 3.0L SHO vehicle.	GO to H.

STOP-WARNING

You should enter this Pinpoint Test only when a Diagnostic Trouble Code (DTC) 457, 458 or 459 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:

- Horn relay
- Fuse

This Pinpoint Test is intended to diagnose only the following:

- Speed control switches
- Clockspring assembly
- Wiring harness
- Powertrain Control Module

**PINPOINT TEST A
SPEED CONTROL SWITCHES**

TEST STEP	RESULT	ACTION TO TAKE															
A1 DIAGNOSTIC TROUBLE CODE 457																	
<ul style="list-style-type: none"> ● Did you press the OFF, COAST, ACCEL and RESUME buttons during the IVSC KOEO Self-Test? 	Yes No	GO to A2. REPEAT IVSC KOEO Self-Test.															
A2 SWITCH DOES NOT FUNCTION																	
<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 EEC-IV 60-Pin Breakout Box, leave powertrain control module disconnected. ● Measure resistance between test Pin 28 and test Pin 39 per table below. ● Rotate steering wheel through its full range while making resistance checks. 	Yes No	REPLACE powertrain control module. REPLACE switches.															
<table border="1"> <thead> <tr> <th>DVOM Range</th> <th>Button Pressed</th> <th>Resistance Range</th> </tr> </thead> <tbody> <tr> <td>200 ohm</td> <td>OFF</td> <td>0-4 ohms</td> </tr> <tr> <td>200 ohm</td> <td>COAST</td> <td>114-126 ohms</td> </tr> <tr> <td>2000 ohm</td> <td>ACCEL</td> <td>646-714 ohms</td> </tr> <tr> <td>5000 ohm</td> <td>RESUME</td> <td>2090-2310 ohms</td> </tr> </tbody> </table> <ul style="list-style-type: none"> ● Are resistances within range? 	DVOM Range	Button Pressed	Resistance Range	200 ohm	OFF	0-4 ohms	200 ohm	COAST	114-126 ohms	2000 ohm	ACCEL	646-714 ohms	5000 ohm	RESUME	2090-2310 ohms		
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A3 DIAGNOSTIC TROUBLE CODE 458																	
<ul style="list-style-type: none"> ● Did you press the OFF, COAST, ACCEL and RESUME buttons during the IVSC KOEO Quick Test? 	Yes No	GO to A4. REPEAT IVSC KOEO Quick Test.															