

DIAGNOSIS AND TESTING (Continued)

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

TEST STEP	RESULT	ACTION TO TAKE
B2 BOO CIRCUIT CYCLING		
<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 20 volt scale. ● Measure voltage between test Pin 5 and test Pin 40 at the breakout box while depressing and releasing brake. ● Does the voltage cycle? 	Yes No	REPLACE powertrain control module. RETEST. GO to B3.
B3 BOO CIRCUIT SHORT TO GROUND		
<ul style="list-style-type: none"> ● Key off. ● Breakout box installed. ● Powertrain control module disconnected. ● DVOM on 200 ohm scale. ● Disconnect BOO circuit from 14290 harness (12-pin connector). ● Measure resistance between test Pin 5 at the breakout box and ground. ● Is resistance reading greater than 5 ohms? 	Yes No	SERVICE stoplamp circuit. Refer to Section 17-01. GO to B4.
B4 BOO CIRCUIT SHORT TO POWER		
<ul style="list-style-type: none"> ● Key off. ● Breakout box installed. ● Powertrain control module disconnected. ● DVOM on 20 volt scale. ● Disconnect BOO circuit from 14290 harness (12-pin connector). ● Measure voltage between test Pin 5 at the breakout box and engine block ground. ● Is voltage reading greater than 10.5 volts? 	Yes No	SERVICE BOO circuit short to power. BOO circuit OK. SERVICE stoplamp circuit. Refer to Section 17-01.

TL5142D

Stop-Warning

You should enter this Pinpoint Test only when a Diagnostic Trouble Code (DTC) 567 and/or 568 is received in the KOEO Self-Test.

This Pinpoint Test is intended to diagnose only the following:

- Servo vent solenoid
- Servo vacuum solenoid
- Circuits SOL+, SCVNT, and SCVAC
- Powertrain control module

**PINPOINT TEST C
SERVO SOLENOIDS
DTC 567 AND/OR 568**

TEST STEP	RESULT	ACTION TO TAKE
C1 VENT SOLENOID TEST		
<ul style="list-style-type: none"> ● Key OFF. ● 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. ● DVOM on 200 ohm scale ● Measure resistance between test Pin 11 and and test Pin 35. 	Resistance is between 100 and 150 ohms Resistance is less than 100 ohms Resistance is greater than 150 ohms	If code 82 is also set, GO to C4, if not, GO to C7. REPLACE speed control servo. REPEAT Quick Test. GO to C2.