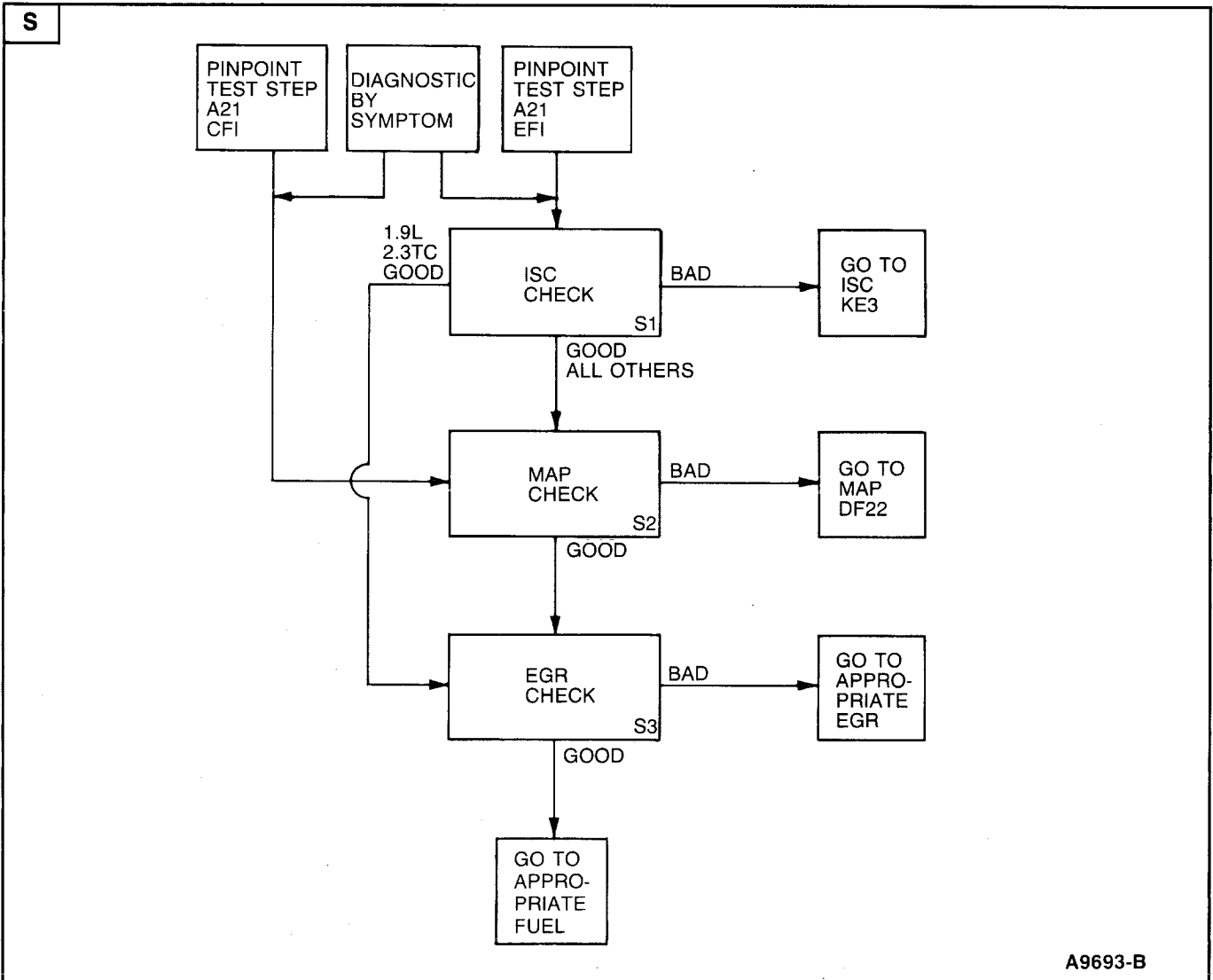


## System Check

Pinpoint  
Test

S

**STOP-WARNING**

You should enter this Pinpoint Test only after a code 11 is received in Quick Test Step 3.0, and you have been directed here from EEC-IV No-Start Pinpoint Test Step **A21** or Diagnostics by symptom.

This Pinpoint Test is intended only as a Quick Check for the basic functioning of the following:

- ISC Bypass Air System
- MAP System
- EGR System

<h1>System Check</h1>	<h1>Pinpoint Test</h1>	<h1>S</h1>
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TEST STEP	RESULT	ACTION TO TAKE																				
<p><b>S1</b>   ISC-BPA CHECK</p> <ul style="list-style-type: none"> <li>● If you are here for any reason other than stalls or a no start, go to S2. Except 1.9L EFI and 2.3L EFI TC, go to S3.</li> <li>● Attempt to start engine at part throttle.</li> <li>● Will engine run at part throttle?</li> </ul>	<p>Yes, but runs rough ▶</p> <p>Yes, and runs smooth ▶</p> <p>No ▶</p>	<p>GO to <b>S2</b>.</p> <p>GO to <b>KE3</b>.</p> <p>1.9 EFI and 2.3L EFI TC GO to <b>S3</b>.</p> <p>All others GO to <b>S2</b>.</p>																				
<p><b>S2</b>   MAP CHECK</p> <ul style="list-style-type: none"> <li>● Key Off.</li> <li>● Disconnect the MAP sensor from the vehicle harness.</li> <li>● Connect the MAP tester between the vehicle harness and the MAP sensor.</li> <li>● Plug MAP tester banana plugs into DVOM.</li> <li>● Set DVOM to 20V scale.</li> <li>● Key On.</li> <li>● Observe DVOM.</li> </ul> <table style="margin-left: 20px; border-collapse: collapse;"> <tr> <td style="text-align: right;"><u>Approximate Altitude (Ft.)</u></td> <td style="text-align: right;"><u>Voltage Output</u></td> </tr> <tr> <td></td> <td style="text-align: center;"><u>(+/- .04V)</u></td> </tr> <tr> <td style="text-align: right;">0</td> <td style="text-align: right;">1.59</td> </tr> <tr> <td style="text-align: right;">1000</td> <td style="text-align: right;">1.56</td> </tr> <tr> <td style="text-align: right;">2000</td> <td style="text-align: right;">1.53</td> </tr> <tr> <td style="text-align: right;">3000</td> <td style="text-align: right;">1.50</td> </tr> <tr> <td style="text-align: right;">4000</td> <td style="text-align: right;">1.47</td> </tr> <tr> <td style="text-align: right;">5000</td> <td style="text-align: right;">1.44</td> </tr> <tr> <td style="text-align: right;">6000</td> <td style="text-align: right;">1.41</td> </tr> <tr> <td style="text-align: right;">7000</td> <td style="text-align: right;">1.39</td> </tr> </table> <ul style="list-style-type: none"> <li>● Crank engine.</li> <li>● While cranking, does DVOM reading decrease from the appropriate reading for your altitude listed above?</li> </ul>	<u>Approximate Altitude (Ft.)</u>	<u>Voltage Output</u>		<u>(+/- .04V)</u>	0	1.59	1000	1.56	2000	1.53	3000	1.50	4000	1.47	5000	1.44	6000	1.41	7000	1.39	<p>Yes ▶</p> <p>No ▶</p>	<p>3.0L EFI Truck, GO to Pinpoint Test Step <b>HG1</b>,</p> <p>all others, GO to <b>S3</b>.</p> <p>GO to <b>DF22</b>.</p>
<u>Approximate Altitude (Ft.)</u>	<u>Voltage Output</u>																					
	<u>(+/- .04V)</u>																					
0	1.59																					
1000	1.56																					
2000	1.53																					
3000	1.50																					
4000	1.47																					
5000	1.44																					
6000	1.41																					
7000	1.39																					

# System Check

# Pinpoint Test

# S

TEST STEP		RESULT	ACTION TO TAKE
<b>S3</b>	<b>EGR CHECK</b>		
<ul style="list-style-type: none"> <li>• Disconnect and plug vacuum line at EGR valve.</li> <li>• Inspect ERG Valve to ensure valve is closed.</li> <li>• Start or attempt to start engine.</li> <li>• Is symptom eliminated or is no start resolved?</li> </ul>		Yes	<p>For 1.9L EFI &amp; 2.3L EFI TC, GO to <b>KA1</b>.</p> <p>For 3.8L CFI, 2.3L and 5.0L EFI Truck, GO to <b>DD11</b>.</p> <p>For 2.3L HSC CFI Base, 2.5L HSC CFI, and 5.0L SEFI, GO to <b>DN40</b>.</p> <p>For 2.3L CFI PLUS GO to <b>DM11</b>.</p> <p>For 2.9L EFI Truck and 3.0L EFI, GO to Section 6, EGR Valve Diagnostics.</p>
		No	<p>For 1.9L EFI and 2.3L EFI TC GO to <b>HA1</b>.</p> <p>For 2.3L HSC CFI and 2.5L HSC CFI, GO to <b>HF1</b>.</p> <p>For 2.9L EFI and 3.0L EFI, GO to <b>HG1</b>.</p> <p>For 3.8L CFI, GO to <b>HD2</b>.</p> <p>For 5.0L SEFI, GO to <b>HC1</b>.</p> <p>For 2.3L EFI and 5.0L EFI Truck, GO to <b>HE1</b>.</p>

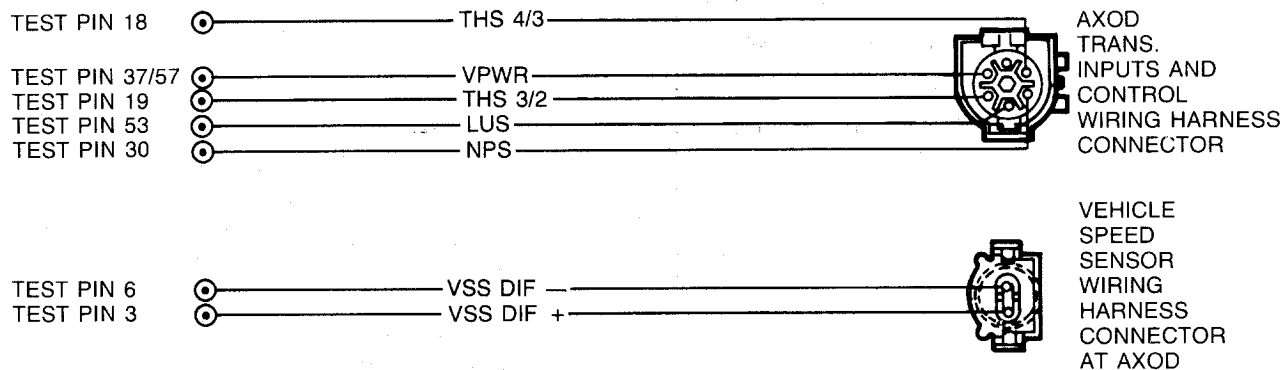
# Transmission — AXOD

# Pinpoint Test

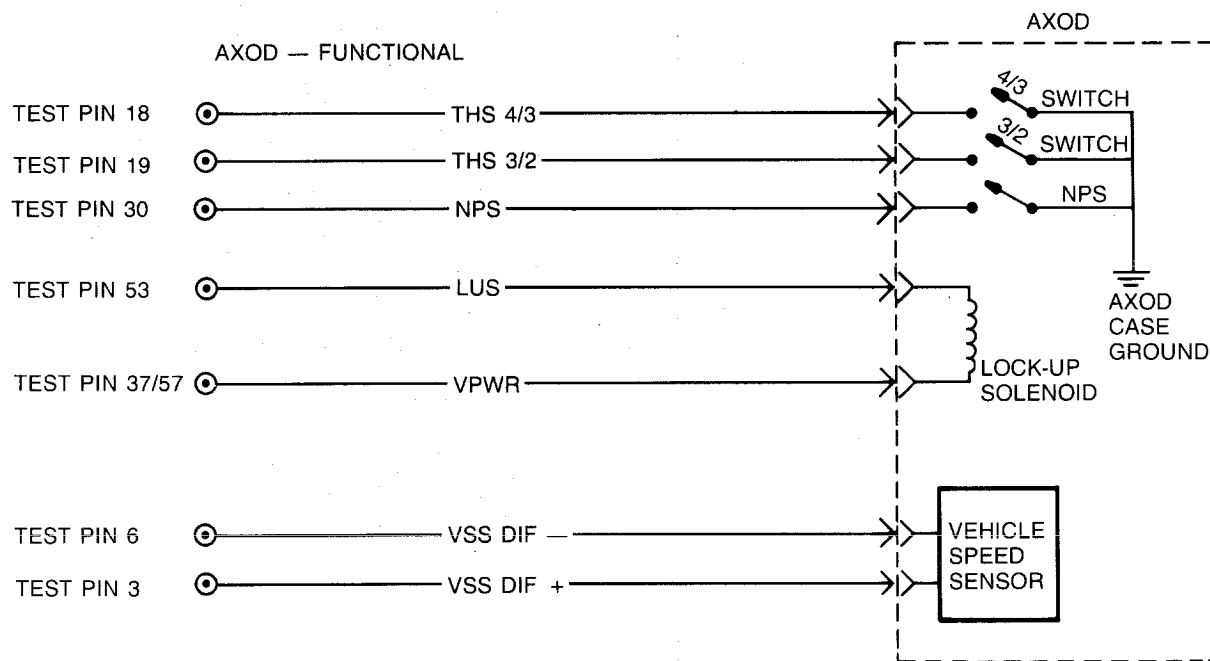
T

T

### AXOD — HARNESS CONNECTIONS



### AXOD — FUNCTIONAL



**Transmission — AXOD****Pinpoint  
Test****T****STOP-WARNING**

**You should enter this Pinpoint Test only when service codes 62, 67 and 89 are received in Quick Test Step 3.0 or a service code 62 is received in Quick Test Step 5.0, and/or service codes 29, 39, 57, 59 and 69 received in Quick Test Step 6.0.**

This Pinpoint Test is intended to diagnose only the following:

- Harness Circuits: THS 4/3, THS 3/2, LUS, NPS, VSS +, VSS – and VPWR
- Vehicle Speed Sensor
- Processor Assembly

**T1****Drive Cycle For Checking AXOD CONTINUOUS CODES**

1. Record and zero EEC-IV Self-Test continuous codes.
2. Warm engine to operating temperature.
3. With transmission in D range, lightly accelerate from a stop to 40 mph to achieve third gear. Hold speed and throttle opening (not closed throttle) steady for 15 seconds minimum (30 seconds above 4000 feet altitude).
4. Shift gear selector to OD range and accelerate lightly from 40 to 50 mph to achieve fourth gear. Hold speed and throttle opening (not closed throttle) steady for 15 seconds minimum in fourth gear.
5. With transmission in fourth gear and steady speed and throttle opening (not closed throttle) lightly apply and release brakes (to light brake lamps) and then hold speed and throttle opening steady for an additional 15 seconds minimum.
6. Brake to a stop and remain stopped for 20 seconds minimum with transmission in OD range.
7. Run EEC-IV Self-Test and record continuous codes.

**NOTE: All components must be connected when performing this test.**

# Transmission — AXOD

## Pinpoint Test








T

TEST STEP		RESULT	ACTION TO TAKE
<b>T2</b>	<b>ATTEMPT TO GENERATE CONTINUOUS CODE 29</b>		
<ul style="list-style-type: none"> <li>● Perform Drive Cycle outlined in Test Step T1 , then return to this Step.</li> <li>● Did continuous code 29 repeat?</li> </ul>		Yes  No	GO to <b>T3</b> .  Unable to duplicate fault at this time. Continuous Code 29. If any other codes are present, RETURN to Quick Test for directions. If none, test is completed.
<b>T3</b>	<b>CONTINUITY OF VEHICLE SPEED SENSOR (VSS) HARNESS</b>		
<ul style="list-style-type: none"> <li>● Key Off, wait 10 seconds.</li> <li>● Disconnect processor 60 Pin connector and inspect for damaged pins, corrosion, loose wires. Service as necessary.</li> <li>● Install Breakout box.</li> <li>● Processor and VSS disconnected.</li> <li>● DVOM on 200 ohm scale.</li> <li>● Measure resistance between test Pin 3 at the Breakout box and the VSS vehicle harness connector as shown below.</li> <li>● Measure resistance between test Pin 6 at the Breakout box and the VSS vehicle harness connector, as shown below.</li> </ul> <div style="text-align: center;"> <p>TEST PIN 6 ○ — VSS DIF —</p> <p>TEST PIN 3 ○ — VSS DIF +</p> </div> <ul style="list-style-type: none"> <li>● Are both resistances 5 ohms or less?</li> </ul>		Yes  No	GO to <b>T4</b> .  SERVICE open(s) in VSS harness. REPEAT Test Step <b>T2</b> .

**Transmission — AXOD****Pinpoint  
Test****T**

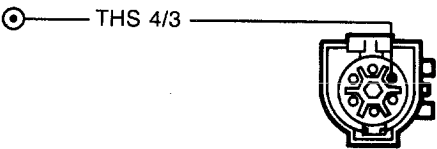
TEST STEP		RESULT	ACTION TO TAKE
<b>T4</b>	<b>CHECK VSS HARNESS FOR SHORTS TO POWER OR GROUND</b>		
	<ul style="list-style-type: none"> <li>● Key Off.</li> <li>● Processor disconnected.</li> <li>● VSS disconnected.</li> <li>● DVOM on 200,000 ohm scale.</li> <li>● Measure resistance between test Pin 3 and test Pins 37, 40 and 6 at the Breakout box. Then measure resistance between test Pin 6 and test Pins 37 and 40 at the Breakout box.</li> <li>● Are all readings greater than 1,000 ohms?</li> </ul>	<p>Yes</p> <p>No</p>	<p>GO to <b>T5</b>.</p> <p>SERVICE short(s) in VSS harness. REPEAT Test Step <b>T2</b>.</p>
<b>T5</b>	<b>SUBSTITUTE VEHICLE SPEED SENSOR (VSS)</b>		
	<ul style="list-style-type: none"> <li>● Substitute VSS with known good sensor.</li> <li>● Processor and VSS connected.</li> <li>● Perform Drive Cycle outlined in Test Step T1, then return to this Step.</li> <li>● Did continuous code 29 repeat?</li> </ul>	<p>Yes</p> <p>No</p>	<p>REPLACE processor. REPEAT Test Step <b>T2</b>.</p> <p>REPLACE VSS. RERUN Quick Test.</p>
<b>T11</b>	<b>ATTEMPT TO GENERATE CONTINUOUS CODE 69</b>		
	<ul style="list-style-type: none"> <li>● Perform Drive Cycle outlined in Test Step T1, then return to this Step.</li> <li>● Did continuous code 69 repeat?</li> </ul>	<p>Yes</p> <p>No</p>	<p>GO to <b>T12</b>.</p> <p>Unable to duplicate fault at this time. Continuous Code 69. If any other codes are present, RETURN to Quick Test for directions. If none, test is completed.</p>

**Transmission — AXOD****Pinpoint  
Test****T**

TEST STEP		RESULT	ACTION TO TAKE
<b>T12</b>	<b>CHECK CONTINUITY OF THS 3/2 HARNESS CIRCUIT</b>		
<ul style="list-style-type: none"> <li>● Key Off, wait 10 seconds.</li> <li>● Disconnect processor 60 Pin connector and inspect for damaged pins, corrosion, loose wires. Service as necessary.</li> <li>● Install Breakout box.</li> <li>● Processor and AXOD harness disconnected.</li> <li>● DVOM on 200 ohm scale.</li> <li>● Measure resistance between test Pin 19 at the Breakout box and the AXOD vehicle harness connector, as shown below.</li> <li>● Is resistance 5 ohms or less?</li> </ul> <p>TEST PIN 19  THS 3/2</p> <ul style="list-style-type: none"> <li>● Is resistance 5 ohms or less?</li> </ul>		Yes  No 	GO to <b>T13</b> .  SERVICE open in THS 3/2 harness. REPEAT Test Step <b>T11</b> .
<b>T13</b>	<b>CHECK THS 3/2 HARNESS CIRCUIT FOR SHORTS TO POWER</b>		
<ul style="list-style-type: none"> <li>● Key Off.</li> <li>● Breakout box installed.</li> <li>● Processor disconnected.</li> <li>● AXOD harness disconnected.</li> <li>● DVOM on 200,00 ohm scale.</li> <li>● Measure the resistance between test Pin 19 and test Pin 37 at the Breakout box.</li> <li>● Is resistance greater than 10,000 ohms?</li> </ul>		Yes  No 	GO to <b>T14</b> .  SERVICE short to power in THS 3/2 circuit. REPEAT Test Step <b>T11</b> .
<b>T14</b>	<b>PROCESSOR VERIFICATION</b>		
<ul style="list-style-type: none"> <li>● Key Off.</li> <li>● Breakout box installed.</li> <li>● Processor connected.</li> <li>● AXOD harness connected.</li> <li>● Jumper test Pin 19 to test Pin 40 at the Breakout box.</li> <li>● Run Key On, Engine Off Quick Test.</li> <li>● Is code 62 present?</li> </ul>		No   Yes 	REMOVE jumper wire. REPLACE processor. REPEAT Test Step <b>T11</b> .  REMOVE jumper wire. GO to Taurus/Sable Shop Manual, Section 17-15 for AXOD Transmission Electrical Component Diagnostics.



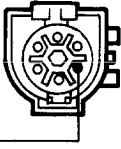
<b>Transmission — AXOD</b>	<b>Pinpoint Test</b>	<b>T</b>
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TEST STEP		RESULT	ACTION TO TAKE
<b>T21</b>	<b>ATTEMPT TO GENERATE CONTINUOUS CODE 59</b>		
<ul style="list-style-type: none"> <li>● Perform Drive Cycle outlined in Test Step T1 , then return to this Step.</li> <li>● Did continuous code 59 repeat?</li> </ul>		Yes  No	GO to <b>T22</b> .  Unable to duplicate fault at this time. Continuous Code 59. If any other codes are present, RETURN to Quick Test for directions. If none, test is completed.
<b>T22</b>	<b>CHECK CONTINUITY OF THS 4/3 HARNESS CIRCUIT</b>		
<ul style="list-style-type: none"> <li>● Key Off, wait 10 seconds.</li> <li>● Disconnect processor 60 pin connector and inspect for damaged pins, corrosion, loose wires. Service as necessary.</li> <li>● Install Breakout box.</li> <li>● Processor and AXOD harness disconnected.</li> <li>● DVOM on 200 ohm scale.</li> <li>● Measure resistance between test Pin 18 at the Breakout box and the AXOD vehicle harness connector, as shown below.</li> </ul> <p>TEST PIN 18  THS 4/3</p>		Yes  No	GO to <b>T23</b> .  SERVICE open in THS 4/3 harness. REPEAT Test Step <b>T21</b> .
<ul style="list-style-type: none"> <li>● Is resistance 5 ohms or less?</li> </ul>			

<b>Transmission — AXOD</b>	<b>Pinpoint Test</b>	<b>T</b>
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TEST STEP		RESULT	ACTION TO TAKE
<b>T23</b>	<b>CHECK THS 4/3 HARNESS CIRCUIT FOR SHORT TO POWER</b>		
<ul style="list-style-type: none"> <li>● Key Off.</li> <li>● Breakout box installed.</li> <li>● Processor disconnected.</li> <li>● AXOD harness disconnected.</li> <li>● DVOM on 200,000 ohm scale.</li> <li>● Measure the resistance between Pin 18 and test Pin 37 at the Breakout box.</li> <li>● Is resistance greater than 10,000 ohms?</li> </ul>		Yes  No	GO to <b>T24</b> .  SERVICE short to power to THS 4/3 circuit. REPEAT Test Step <b>T21</b> .
<b>T24</b>	<b>PROCESSOR VERIFICATION</b>		
<ul style="list-style-type: none"> <li>● Key Off.</li> <li>● Breakout box installed.</li> <li>● Processor connected.</li> <li>● AXOD harness connected.</li> <li>● Jumper test Pin 18 to test Pin 40 at the Breakout box.</li> <li>● Run Key On, Engine Off Quick Test.</li> <li>● Is code 62 present?</li> </ul>		No  Yes	REMOVE jumper wire. REPLACE processor. REPEAT TEST Step <b>T21</b> .  REMOVE jumper wire. GO to Taurus/Sable Shop Manual, Section 17-15 for AXOD Transmission Electrical Component Diagnostics.
<b>T31</b>	<b>ATTEMPT TO GENERATE CONTINUOUS CODE 39</b>		
<p><b>NOTE: If continuous code 59 is also present, go directly to <b>T21</b>.</b></p> <ul style="list-style-type: none"> <li>● Perform Drive Cycle outlined in Test Step <b>T1</b>, then return to this Step.</li> <li>● Did continuous code 39 repeat?</li> </ul>		Yes  No	GO to Taurus/Sable Shop Manual Section 17-15 for AXOD Transmission Electrical Component Diagnostics.  Unable to duplicate fault at this time. Continuous Code 39. If any other codes are present, RETURN to Quick Test for directions. If none, test is completed.

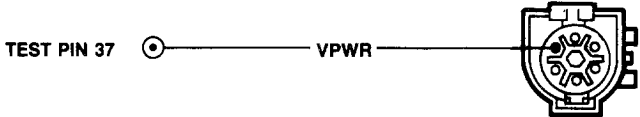
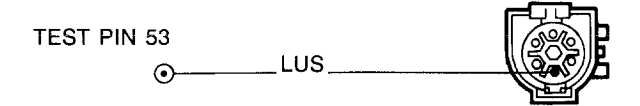
<h1>Transmission — AXOD</h1>	<h2>Pinpoint Test</h2>	<h1>T</h1>
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TEST STEP	RESULT	ACTION TO TAKE
<p><b>T41</b> ATTEMPT TO GENERATE CONTINUOUS CODE 57</p> <ul style="list-style-type: none"> <li>● Perform Drive Cycle outlined in Test Step T1, then return to this Step.</li> <li>● Did continuous code 57 repeat?</li> </ul>	<p>Yes</p> <p>No</p>	<p>GO to <b>T42</b>.</p> <p>Unable to duplicate fault at this time. Continuous Code 57. If any other codes are present, RETURN to Quick Test for directions. If none, test is completed.</p>
<p><b>T42</b> CHECK CONTINUITY OF NPS HARNESS CIRCUIT</p> <ul style="list-style-type: none"> <li>● Key Off, wait 10 seconds.</li> <li>● Disconnect processor 60 Pin connector and inspect for damaged pins, corrosion, loose wires, etc. Service as necessary.</li> <li>● Install Breakout box.</li> <li>● Processor and AXOD harness disconnected.</li> <li>● DVOM on 200 ohm scale.</li> <li>● Measure resistance between test Pin 30 at the Breakout box and the AXOD vehicle harness connector, as shown below.</li> </ul> <div style="text-align: center; margin: 10px 0;">  <p>TEST PIN 30 — NPS</p> </div> <ul style="list-style-type: none"> <li>● Is resistance 5 ohms or less?</li> </ul>	<p>Yes</p> <p>No</p>	<p>GO to Taurus/Sable Shop Manual, Section 17-15 for AXOD Transmission Electrical Component Diagnostic.</p> <p>SERVICE open in NPS circuit. REPEAT Test Step <b>T41</b>.</p>

# Transmission — AXOD

## Pinpoint Test







T

TEST STEP	RESULT	ACTION TO TAKE
<b>SERVICE CODE 89</b>		
<b>T51</b>   VPWR HARNESS CONTINUITY CHECK		
<ul style="list-style-type: none"> <li>● Key Off, wait 10 seconds.</li> <li>● Disconnect processor 60 Pin connector and inspect for damaged pins, corrosion, loose wires. Service as necessary.</li> <li>● Install Breakout box.</li> <li>● Processor and AXOD harness disconnected.</li> <li>● DVOM on 200 ohm scale.</li> <li>● Measure resistance between test Pin 37 at the Breakout box and the AXOD vehicle harness connector, as shown.</li> </ul> <div style="text-align: center;">  <p>TEST PIN 37 — VPWR</p> </div> <ul style="list-style-type: none"> <li>● Is resistance 5 ohms or less?</li> </ul>	<p>Yes</p> <p>No</p>	<p>GO to <b>T52</b>.</p> <p>SERVICE open in VPWR circuit to AXOD. RERUN Quick Test.</p>
<b>T52</b>   LUS HARNESS CONTINUITY CHECK		
<ul style="list-style-type: none"> <li>● Key Off.</li> <li>● Breakout box installed.</li> <li>● Processor and AXOD harness disconnected.</li> <li>● DVOM on 200 ohm scale.</li> <li>● Measure resistance between test Pin 53 at the Breakout box and the AXOD vehicle harness connector, as shown.</li> </ul> <div style="text-align: center;">  <p>TEST PIN 53 — LUS</p> </div> <ul style="list-style-type: none"> <li>● Is resistance 5 ohms or less?</li> </ul>	<p>Yes</p> <p>No</p>	<p>GO to <b>T53</b>.</p> <p>SERVICE open in LUS harness circuit to AXOD. RERUN Quick Test.</p>

**Transmission — AXOD****Pinpoint  
Test****T**

TEST STEP		RESULT	ACTION TO TAKE
<b>T53</b>	<b>CHECK LUS HARNESS FOR SHORTS TO POWER, GROUND</b>		
<ul style="list-style-type: none"> <li>● Key Off.</li> <li>● Processor disconnected.</li> <li>● AXOD harness disconnected.</li> <li>● DVOM on 200,000 ohm scale.</li> <li>● Measure resistance between test Pin 53 and test Pins 37 and 40 at the Breakout box.</li> <li>● Are both readings greater than 10,000 ohms?</li> </ul>		Yes	GO to <b>T54</b> .
		No	SERVICE shorts in LUS harness. RERUN Quick Test. If code 89 is still present, REPLACE processor. RERUN Quick Test.
<b>T54</b>	<b>TOTAL CIRCUIT RESISTANCE CHECK</b>		
<ul style="list-style-type: none"> <li>● Key Off.</li> <li>● Breakout box installed.</li> <li>● Processor disconnected.</li> <li>● AXOD transmission harness connected.</li> <li>● DVOM on 200 ohm scale.</li> <li>● Measure the resistance between test Pin 53 and test Pin 57 at the Breakout box.</li> <li>● Is resistance between 20 ohms and 40 ohms?</li> </ul>		Yes	REPLACE processor. RERUN Quick Test.
		No	GO to Taurus/Sable Shop Manual, Section 17-15 for AXOD Transmission Electrical Component Diagnostic.
<b>SERVICE CODE 62: KEY ON, ENGINE OFF QUICK TEST</b>			
<b>T61</b>	<b>CHECK FOR CODE 62 IN ENGINE RUNNING SELF-TEST</b>		
<ul style="list-style-type: none"> <li>● Perform Engine Running Self-Test and record codes.</li> <li>● Is code 62 present?</li> </ul>		Yes	Fault is in the 4/3 circuit, GO to <b>T62</b> .
		No	Fault is in the 3/2 circuit, GO to <b>T62</b> .

**Transmission — AXOD****Pinpoint  
Test****T**

TEST STEP		RESULT	ACTION TO TAKE
<b>SERVICE CODE 62: KEY ON, ENGINE OFF QUICK TEST</b>			
<b>T62</b>	<b>AXOD HARNESS VERIFICATION</b>		
<ul style="list-style-type: none"> <li>● Key Off.</li> <li>● Disconnect AXOD harness.</li> <li>● Run Key On, Engine Off Quick Test.</li> <li>● Is code 62 still present?</li> </ul>		Yes  No 	GO to <b>T63</b> .  GO to Taurus/Sable Shop Manual, Section 17-15 for AXOD Transmission Electrical Component Diagnostics.
<b>T63</b>	<b>CHECK THS 3/2 AND 4/3 HARNESS CIRCUITS FOR SHORT TO GROUND</b>		
<ul style="list-style-type: none"> <li>● Key Off.</li> <li>● Install Breakout box and disconnect processor.</li> <li>● AXOD harness disconnected.</li> <li>● DVOM on 200,000 ohm scale.</li> <li>● Measure resistance between test Pin 18 and test Pins 40 and 60 at the Breakout box.</li> <li>● Measure resistance between test Pin 19 and test Pins 40 and 60 at the Breakout box.</li> <li>● Are all resistance readings greater than 10,000 ohms?</li> </ul>		Yes  No 	REPLACE processor. RERUN Quick Test.  SERVICE short(s) to ground. RERUN Quick Test.
<b>T71</b>	<b>SERVICE CODE 62: ENGINE RUNNING SELF-TEST</b>		
<ul style="list-style-type: none"> <li>● Verify code 62 present in Engine Running Self-Test.</li> </ul>		Code 62 present   Code 62 not present 	GO to Taurus/Sable Shop Manual, Section 17-15 for AXOD Transmission Electrical Component Diagnostics.  Unable to duplicate fault at this time. If any other codes are present, RETURN to Quick Test for directions. If none, then test is complete.

**Transmission — AXOD**

**Pinpoint  
Test**

**T**

TEST STEP		RESULT	ACTION TO TAKE
<b>T81</b>	<b>SERVICE CODE 67 — CHECK VOLTAGE AT NPS INPUT TO PROCESSOR</b>		
<ul style="list-style-type: none"> <li>● Key On, Engine Off.</li> <li>● Disconnect processor 60 Pin connector and inspect for damaged pins, corrosion, loose wires. Service as necessary.</li> <li>● Install Breakout box and reconnect processor.</li> <li>● DVOM on 20V scale.</li> <li>● Measure voltage between test Pin 30 and test Pin 46 at the Breakout box.</li> <li>● Is voltage less than 4V?</li> </ul>		<p>Yes</p> <p>No</p>	<p>GO to <b>T82</b>.</p> <p>GO to Pinpoint Test <b>FA4</b>.</p>
<b>T82</b>	<b>CHECK NPS HARNESS CIRCUIT FOR SHORT TO GROUND</b>		
<ul style="list-style-type: none"> <li>● Key Off.</li> <li>● Breakout box installed.</li> <li>● Processor and AXOD harness disconnected.</li> <li>● DVOM on 200,000 ohm scale.</li> <li>● Measure resistance between test Pin 30 and test Pins 40 and 60 at the Breakout box.</li> <li>● Are all readings greater than 10,000 ohms?</li> </ul>		<p>Yes</p> <p>No</p>	<p>GO to <b>T83</b>.</p> <p>SERVICE short to ground in NPS circuit. RERUN Quick Test.</p>

**Transmission — AXOD****Pinpoint  
Test****T**

TEST STEP	RESULT	ACTION TO TAKE
<b>T83</b>   PROCESSOR VERIFICATION		
<ul style="list-style-type: none"> <li>● Key Off.</li> <li>● Breakout box installed.</li> <li>● Processor connected.</li> <li>● AXOD harness disconnected.</li> <li>● Run Key On, Engine Off Quick Test.</li> <li>● Is code 67 present?</li> </ul>	<p>Yes</p> <p>No</p>	<p>REPLACE processor. RERUN Quick Test.</p> <p>GO to Taurus/Sable Shop Manual, Section 17-15 for AXOD Transmission Electrical Component Diagnostics.</p>