

DIAGNOSIS AND TESTING (Continued)

(Continued) DIAGNOSIS AND TESTING

**PINPOINT TEST B:
A/C CLUTCH CIRCUIT DIAGNOSIS (Continued)**

TEST STEP	RESULT	ACTION TO TAKE
B14 CHECK POWERTRAIN CONTROL MODULE (PCM) 12A650 INPUT SIGNAL		
<ul style="list-style-type: none"> ● Check for minimum of 11 volts at Pin 10 of PCM. ● Is there voltage? 		<p>The PCM is causing the CCRM to energize and interrupt the compressor circuit. Any of the following can be cause. REFER to PCM diagnosis in Service Manual.</p> <ul style="list-style-type: none"> — Throttle Position Sensor - Sending WOT signal PCM. Disconnect electrical connector to remove sensor from circuit. Clutch will engage if sensor is sending WOT cut-out signal. — Hot Engine Coolant - Sensor sending hot coolant signal to PCM. Disconnect electrical connector from sensor. Clutch will engage if sensor is sending hot coolant signal to PCM. — A/C On Circuit to PCM Open - If this circuit is open, PCM will not receive signal from pressure switch to turn A/C clutch on.

TL8217A

Wiring Diagrams and Actuators

The following illustrations provide an EATC system wiring diagram.

NOTE: Refer to the Taurus / Sable Electrical Vacuum Troubleshooting Manual for complete circuit schematics and wire colors.

EATC Self Test

1. Perform the EATC Functional Test. Record all error codes displayed during the test.
2. The control assembly will detect electrical malfunctions occurring during the self test.
3. Ensure engine is warm (at least 49°C (120°F) coolant temperature). To display the error codes for the malfunction detected, initiate the self test by pushing OFF and FLOOR simultaneously and then AUTOMATIC within two seconds. The test may run as long as 20 seconds, during which time the display will be blank. If the display is blank for more than 20 seconds, go to System Diagnosis When Self-Test and Functional Test indicate NO ERROR.

4. The Self Test can be initiated at any time with the resulting error codes being displayed. Normal operation of the system stops when Self Test is activated. To exit self-test and restart the system, push the blue button. Self Test should be deactivated before turning off the system. Refer to the Error Code Key in the following chart for an explanation of error codes.
5. If error codes appear during the EATC Functional Test, follow the diagnosis procedures outlined in the Error Code Key for each error code recorded.
6. If a malfunction exists but no error code appears during the test in Step 1, refer to Diagnosis When Self-Test Indicates No Error Found.