

DIAGNOSIS AND TESTING (Continued)

(Continued)

PINPOINT TEST A
A/C COMPRESSOR CLUTCH CIRCUIT DIAGNOSIS (Continued)

TEST STEP		RESULT	ACTION TO TAKE
A12	CHECK CLUTCH SIGNAL AT CCRM <ul style="list-style-type: none"> Check for a minimum of 11 volts at Pin 21 of the CCRM (clutch input signal). Is there at least 11 volts? 	Yes	GO to A13.
		No	CHECK circuit between pressure switch and Pin 21 of CCRM for open. SERVICE as necessary.
A13	CHECK A/C CUT-OUT SIGNAL <ul style="list-style-type: none"> Remove red Wire from Pin 22 of CCRM harness connector. Then, start engine and set system at MAX A/C. Does clutch energize? 	No	REPLACE CCRM.
		Yes	GO to A14.
A14	CHECK POWERTRAIN CONTROL MODULE (PCM) INPUT SIGNAL <ul style="list-style-type: none"> Check for a minimum of 11 volts at Pin 10 of Powertrain Control Module. Is there at least 11 volts? 		Engine coolant temperature sensor sending hot coolant signal to Powertrain Control Module, or Throttle Position Sensor sending cutout signal to Powertrain Control Module. DISCONNECT electrical connector from each sensor. Clutch will engage if sensor is sending incorrect signal. REFER to Powertrain Control/Emissions Diagnosis Manual ³ . A/C sense circuit to Powertrain Control Module open. SERVICE circuit as required.

TL8256A

Self Test

Refer to the following charts for Self-Test instructions involving clutch operation.

Self Test—Blower Speed Controller (BSC)

Tools Required:

- Rotunda Digital Volt-Ohmmeter 007-00001

Testing requires a Rotunda Digital Volt Ohmmeter 007-00001 or equivalent. Refer to the EATC System Wiring Diagram for terminal pin locations. Use the following charts for self-test procedures.

Condition No. 1

No blower, ignition in RUN position, engine warm, AUTOMATIC, 32°C (90°F) setting.

CELO TEST

TEST STEP		RESULT	ACTION TO TAKE
1	<ul style="list-style-type: none"> Change temp. setting to 60° Auto. Is blower on? 	Yes	GO to 2.
		No	GO to 3.
2	<ul style="list-style-type: none"> Disconnect cold engine lockout (CELO) switch and change temp. to 90° setting Auto. Is blower on? 	Yes	Faulty CELO switch.
		No	CELO wire grounded.

³ Can be purchased at a separate item.