## **DIAGNOSIS AND TESTING (Continued)**

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

|                                | AAA QAAQAA TEST STEP   | RESULT  | ACTION TO TAKE  |
|--------------------------------|--|---|---|
| A12                            | CHECK CLUTCH SIGNAL AT CCRM  | AN SYSTEM PRESCRES  | ABBIRTESS NOBIGE BA   |
|                                | Check for a minimum of 11 volts at Pin 21 of the CCRM (clutch input signal). Is there at least 11 volts?   | E Yes's bas sind enlyes of I<br>. No No Say \$2 by ods si Visons Vi<br>Say \$2 by | GO to A13.  CHECK circuit between pressure switch and Pin 21 of CCRM for open. SERVICE as necessary.  |
| A13                            | CHECK A/C CUT-OUT SIGNAL   |   |   |
|                                | <ul> <li>Remove red Wire from Pin 22 of CCRM harness connector. Then, start engine and set system at MAX A/C.</li> <li>Does clutch energize?</li> </ul>  | No HOTHWE SPUEZER  Yes we charge to egato V                                       | REPLACE CCRM. GO to A14.  |
| A14                            | CHECK POWERTRAIN CONTROL MODULE (PCM) INPUT SIGNAL   | FIGE ASSENCECY OFFICE   | MOO DIAS XOSHO   - 84   |
| 10099<br>Uni<br>80040<br>3(368 | Check for a minimum of 11 volts at Pin 10 of Powertrain Control Module.     Is there at least 11 volts?  | olage e'<br>ol Assembly Pip 23 (clubch algrat<br>(LG/P) o' 4/70 Control Assembly: | Engine coolant temperature sensor sending hot coolant signal to Powertrain Control Module, or Throttle Position Sensor sending cutous trail |
|                                |  | SESEMBER VERSES   | Powertrain Control Module, DISCONNECT   |
|                                | Yes William Carrenty Common Miles  | y voltage st:<br>U.C.Courrol Assembly (dividin                                    | electrical connector from<br>each sensor. Clutch will<br>engage if sensor is  |
|                                |  | U.B.(PR) et A.(C.Conred Asserbby.<br>92   | sending incorrect signal<br>REFER to Powertrain<br>Control/Emissions<br>Diagnosis Manual <sup>3</sup> . A/O                                 |
|                                | Catter office wife of CERVICE wife of Colors o | ge at fuse pensi Citoriti 295 (Li. 1410)<br>hust be to the ACC or RUM position.   | 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

|                | RESULT             | ACTION TO TAKE       |
|----------------|--------------------|----------------------|
| and Value ha   | e ded detain maket | r Aran da Sharto - B |
| Yes            | Yenoitacitiosg     | GO to 2.             |
| No.            |                    | GO to 3.             |
| 0.000.00       |                    |                      |
| switch and Yes |                    | Faulty CELO switch.  |
| No             | BSAUOVIL           | CELO wire grounded.  |
|                | Yes No Yes         | No No Switch and Yes |

3 Can be purchased at a separate item.