

DIAGNOSIS AND TESTING (Continued)

VOLTMETER CONNECTION (Continued)

TEST STEP	RESULT	ACTION TO TAKE
2		
<ul style="list-style-type: none"> Connect voltmeter between BSC output Pin 1 and ground Pin 4 (AUTOMATIC position). Rotate blower thumbwheel from min. to max. Does voltage fluctuate? 	Yes	Faulty blower motor, or B+ feed to motor.
	No	Replace BSC.

TL5084B

Condition No. 4

Cold Engine Lockout (CELO) inoperative: blower turns on immediately in AUTOMATIC, 32°C (90°F) setting, with cold engine.

TEST STEP	RESULT	ACTION TO TAKE
1		
<ul style="list-style-type: none"> Cold engine (engine coolant temp. below 120°) control set at AUTOMATIC 90°. Is blower on? 	Yes	CHECK coolant and retest. If blower turns on again with a cold engine, REPLACE CELO. Check for short in circuit.
	No	CELO OK.

TL5085E

EATC Control Assembly Connector and Blend Door Actuator Self Test

Refer to the following chart for control assembly connector and blend door Self-Test procedures. To test the control assembly vacuum valve, apply 50 kPa (15 in-Hg) of vacuum to the number five terminal.

BLEND DOOR ACTUATOR DIAGNOSIS

TEST STEP	RESULT	ACTION TO TAKE
1		
<p>NOTE: Letters in parentheses indicate (wire color, circuit no.). Refer to the EATC System Wiring Diagram for wiring schematic and connector pin diagrams.</p> <ul style="list-style-type: none"> Check error code during EATC functional test. Does code "02" display? 	Yes	GO to 2.
	No	REVIEW error code key.
2		
<ul style="list-style-type: none"> Disconnect both connectors from EATC control assembly and drive actuator in both directions using any 9-12 volt battery. The following pins can be jumped to use the vehicle battery. Insure the ignition is in the RUN position. All pins are located on the LEFT connector (E6DB-14489-VA). Trial 1: Pin 24 (BK, 57) to Pin 22 (DB/LG, 249) Trial 2: Pin 24 (BK, 57) to Pin 21 (O, 250) Does actuator drive in both directions? 	Yes	GO to 3.
	No	GO to 6.
3		
<ul style="list-style-type: none"> Reconnect control assembly and test according to EATC functional test. Is test successful? 	Yes	Done.
	No	GO to 4.