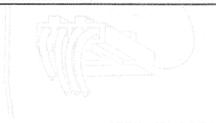
## **DIAGNOSIS AND TESTING (Continued)**

Pin 6 (O/BK, 776) to Pin 8 (O/BK) Pin 15 (LG/O, 243) to Pin 6 (LG/O)  LH Side  Pin 21 (O/W, 351) to Pin 1 (O) Pin 22 (DB/LG, 249) to Pin 2 (DB/LG) Pin 24 (BK, 57) to Pin 3 (BK)  Reconnect all three connectors at end of this test. Is there continuity?  Change blend door actuator and test according to EATC functional test. Is test successful?  Service/replace wiring harness, connect and test  Service/replace wiring harness, connect and test  Pin 2 (O/BK) Pin 16 (LG/O) Pin 6 (LG/O) Pin 16 (LG/O) Pin 16 (LG/O) Pin 16 (LG/O) Pin 16 (LG/O) Pin 2 (DB/LG, 249) Pin 2	TEST STEP				RESULT	<b>&gt;</b>	ACTION TO TAKE
assembly, Measure resistance as shown below at the control assembly connector with the connector disconnected.  All plins are located on the RIGHT connector (E6DB-14489-UA).  Pin 15 (LG/O, 243) to Pin 6 (O/BK, 776) 5000-7000 ohms  Pin 5 (O/W, 351) to Pin 15 (LG/O, 243) 300-7300 ohms  Are all resistances OK?  Change control assembly and test according to EATC functional test.  Is test successful?  Check vehicle wiring harness and connector continuity as shown below, Disconnect connectors from both control assembly and blend door actuator. Blend door actuator connector is accessible through glove compartment.  Control Assembly  Biend Door Actuator Connector  RN Side  Pin 5 (O/W, 351) to Pin 7 (O/W) Pin 6 (O/BK, 778) to Pin 8 (O/BK) Pin 15 (LG/O, 243) to Pin 8 (O/BK) Pin 2 (O/B/C, 249) to Pin 8 (O/BK)  Reconnect all three connectors at end of this test.  Reconnect and th	4						
the control assembly connector with the connector disconnected.  All pins are located on the RIGHT connector (ESDE-14489-IJA). Pin 15 (LG/O, 243) to Pin 6 (O/BK, 776) 5000-7000 ohms Pin 5 (O/W, 351) to Pin 6 (O/BK, 776) 300-7300 ohms Pin 5 (O/W, 351) to Pin 15 (LG/O, 243) 300-7300 ohms Are all resistances OK?  Change control assembly and test according to EATC functional test. Is test successful?  Change control assembly and test according to EATC functional test. Is test successful?  Change control assembly and test according to EATC functional test. Is test successful?  Control assembly and test according to EATC functional test. Blend door actuator connector is accessible through glove compartment.  Control Assembly Connector  Blend Door Actuator Connector is accessible through glove compartment.  Control Assembly Blend Door Actuator Connector is accessible through glove compartment.  Connector  Blend Cornector  Blend Cornector  Blend Cornector  Blend Cornector  Connector  Connector  All Side  Pin 5 (O/W, 351)  To Pin 8 (O/BK)  Pin 6 (O/BK, 776)  To Pin 9 (O/BK, 776)  Pin 16 (O/BK, 776)  To Pin 12 (O/W, 351)  Pin 16 (DAY, 351)  Pin					Yes		GO to 5.
the control assembly connector with the connector disconnected.  All pins are located on the RIGHT connector (E6DB-14489-UA).  Pin 15 (LG/O, 243) to Pin 6 (O/BK, 776) 5000-7000 ohms  Pin 5 (O/W, 351) to Pin 15 (LG/O, 243) 300-7300 ohms  Are all resistances OK?  Change control assembly and test according to EATC functional test. Is test successful?  Change control assembly and test according to EATC functional test. Is test successful?  Change control assembly and test according to EATC functional test. Is test successful?  Change control assembly and test according to No  GO to 1.  GO to 7.  Control Assembly and blend door actuator. Blend door actuator connector is accessible through glove compartment.  Control Assembly Blend Door Actuator Connector Connector  Connector Connector  AN Side  Pin 5 (O/W, 351) to Pin 7 (O/W) Pin 6 (O/BK, 776) to Pin 8 (O/BK) Pin 6 (O/BK, 776) to Pin 1 (O) Pin 2 (DB/LG, 243) to Pin 2 (BB/LG) Pin 2 (DB/LG, 249) to Pin 2 (BB/LG) Pin 2 (BB/LG, 249) to Pin 3 (BK)  Reconnect all three connectors at end of this test. Is there continuity?  Change blend door actuator and test according to EATC functional test. Is test successful?  Service / replace wiring harness, connect and test  Yes  Done.					No		GO to 6.
All pins are located on the RIGHT connector     (EBDB-14489-UA)     Pin 15 (LG/O, 243) to Pin 6 (O/BK, 776) 5000-7000     ohms     Pin 5 (O/W, 351) to Pin 6 (O/BK, 776) 300-7300     ohms     Are all resistances OK?  Change control assembly and test according to     EATC functional test.     is test successful?  Check vehicle wiring harness and connector     continuity as shown below. Disconnect connectors     from both control assembly and blend door actuator. Blend door actuator connector is accessible     through glove compartment.  Control Assembly     Connector  Connector  Connector  Blend Door Actuator     Connector  Connector  Connector  Connector  Connector  Blend Door Actuator     Connector  Connector  Connector  Connector  Connector  RI Side  Pin 5 (O/W, 351)     to Pin 7 (O/W)     in 6 (O/BK, 776)     to Pin 8 (O/BK)     in 16 (LG/O)  H Side  Pin 21 (O/W, 351)     to Pin 6 (LG/O)  H Side  Pin 22 (OK/LG, 249)     to Pin 2 (OK/LG)     in 10 (OK/LG)     in			ibiy conn	ector with the connector			
(E6DB-14489-UA). Pin 15 (LG/O, 243) to Pin 6 (O/BK, 776) 5000-7000 ohms Pin 5 (O/W, 351) to Pin 6 (O/BK, 776) 300-7300 ohms Pin 5 (O/W, 351) to Pin 15 (LG/O, 243) 300-7300 ohms Are all resistances OK?  Change control assembly and test according to EATC functional test. Is test successful?  Change control assembly and test according to EATC functional test. Is test successful?  Change control assembly and test according to EATC functional test. State of the pin 10 (D)			d on the	RIGHT connector			
ohms Pin 5 (O/W, 351) to Pin 6 (O/BK, 776) 300-7300 ohms Pin 5 (O/W, 351) to Pin 15 (LG/O, 243) 300-7300 ohms Are all resistances OK?  Change control assembly and test according to EATC functional test. Is test successful?  Check vehicle wiring harness and connector continuity as shown below. Disconnect connectors from both control assembly and blend door actuator. Blend door actuator consector is accessible through glove compartment.  Control Assembly Connector  Blend Door Actuator Connector  Connector  Blend Door Actuator Connector  Connector  Connector  Blend Door Actuator Connector  Connector  Connector  Connector  Blend Door Actuator Connector  Connecto							
Pin 5 (O / W, 351) to Pin 6 (O / BK, 776) 300-7300 ohms Pin 5 (O / W, 351) to Pin 15 (LG / O, 243) 300-7300 ohms Are all resistances OK?  Change control assembly and test according to EATC functional test. Is test successful?  Check vehicle wiring harness and connector continuity as shown below. Disconnect connectors from both control assembly and blend door actuator. Blend door actuator connector is accessible through glove compartment.  Control Assembly Connector  Blend Door Actuator Connector Connector  AH Side Pin 15 (LG / O, 243) To Pin 7 (O / W) Pin 6 (O / BK, 776) To Pin 8 (D / BK) Pin 15 (LG / O, 243) To Pin 16 (LG / O)  H Side Pin 21 (O / W, 351)  Reconnect all three connectors at end of this test. Is there continuity?  Pin 26 (BK, 57)  Change blend door actuator and test according to EATC functional test. Is test successful?  Service / replace wiring harness, connect and test  Yes  Done.			3) to Pin 6	6 (O/BK, 776) 5000-7000		7 7	
ohms Pin 5 (O / W, 351) to Pin 15 (LG / O, 243) 300-7300 ohms Are all resistances OK?  Change control assembly and test according to EATC functional test. Is test successful?  Check vehicle wiring harness and connector continuity as shown below. Disconnect connectors from both control assembly and blend door actuator. Blend door actuator connector is accessible through glove compartment.  Control Assembly Connector Blend Door Actuator Connector Connector Connector Connector Blend Door Actuator Connector Connector Connector Connector Blend Door Actuator Connector Connector Connector Connector Connector Connector Blend Door Actuator Connector Connect		0	o Din e /	0/PK 776\200 7200			
Pin 5 (O/W, 351) to Pin 15 (LG/O, 243) 300-7300 ohms  Are all resistances OK?  Change control assembly and test according to EATC functional test. Is test successful?  Check vehicle wiring harness and connector continuity as shown below. Disconnect connectors from both control assembly and blend door actuator. Blend door actuator connector is accessible through glove compartment.  Control Assembly Elend Door Actuator Connector  Blend Door Actuator Connector  Connector  Blend Door Actuator Connector  Connector  Connector  Blend Door Actuator Connector  Connector  Connector  Connector  Blend Door Actuator Connector  Connector  Connector  Connector  Connector  Blend Door Actuator Connector  Connect			oriiro (	J/BK, //6/300-/300	Tra Wally		
ohms			to Pin 15	(LG/O, 243) 300-7300			
Control Assembly Connector  Control (Assembly Connector)  Blend Door Actuator Connector Connector  Connector  Blend Door Actuator Connector  Connector  Connector  Blend Door Actuator Connector  Connector  Connector  Connector  Blend Door Actuator Connector  Conn		ohms					
Change control assembly and test according to EATC functional test.  Is test successful?  Check vehicle wiring harness and connector continuity as shown below. Disconnect connectors from both control assembly and blend door actuator. Blend door actuator connector is accessible through glove compartment.  Control Assembly		<ul> <li>Are all resistance</li> </ul>	os OK?				
EATC functional test.  Is test successful?  Check vehicle wiring harness and connector continuity as shown below. Disconnect connectors from both control assembly and blend door actuator. Blend door actuator connector is accessible through glove compartment.  Control Assembly Blend Door Actuator Connector Connector Connector  RH Side  Pin 5 (O/W, 351) to Pin 7 (O/W)  Pin 6 (O/BK, 776) to Pin 8 (O/BK)  Pin 15 (LG/O, 243) to Pin 6 (LG/O)  LH Side  Pin 21 (O/W, 351) to Pin 1 (O)  Pin 22 (DB/LG, 249) to Pin 3 (BK)  Reconnect all three connectors at end of this test.  Is there continuity?  Change blend door actuator and test according to EATC functional test.  Is test successful?  Service/replace wiring harness, connect and test  Pone.	5	w Chasaless feli i					
Check vehicle wiring harness and connector continuity as shown below. Disconnect connectors from both control assembly and blend door actuator. Blend door actuator connector is accessible through glove compartment.  Control Assembly Blend Door Actuator Connector Connector Connector  Blend Door Actuator Connector State Connector C				and test according to	Yes		Done
Check vehicle wiring harness and connector continuity as shown below. Disconnect connectors from both control assembly and blend door actuator. Blend door actuator connector is accessible through glove compartment.  Control Assembly Connector  Blend Door Actuator Connector  Blend Door Actuator Connector  Blend Door Actuator Connector  Connector  Blend Door Actuator Connector  Blend Door Actuator Connector  Connector  Blend Door Actuator Connector  Blend Door Ac					No		GO to 1.
Check vehicle wiring harness and connector continuity as shown below. Disconnect connectors from both control assembly and blend door actuator. Blend door actuator connector is accessible through glove compartment.  Control Assembly Blend Door Actuator Connector  RM Side  Pin 5 (O/W, 351) to Pin 7 (O/W) Pin 6 (O/BK, 776) to Pin 8 (O/BK) Pin 15 (LG/O, 243) to Pin 6 (LG/O)  LH Side  Pin 22 (DB/LG, 249) to Pin 2 (DB/LG) Pin 22 (DB/LG, 249) to Pin 3 (BK)  Reconnect all three connectors at end of this test.  ■ Is there continuity?  Change blend door actuator and test according to EATC functional test.  ■ Is test successful?  Service/replace wiring harness, connect and test  Yes  Done.		V IS TOST SUCCOSSTU	3 5				
continuity as shown below. Disconnect connectors from both control assembly and blend door actuator. Blend door actuator connector is accessible through glove compartment.  Control Assembly Blend Door Actuator Connector  RH Side  Pin 5 (O/W, 351) to Pin 7 (O/W)  Pin 6 (O/BK, 776) to Pin 8 (O/BK)  Pin 15 (LG/O, 243) to Pin 6 (LG/O)  LH Side  Pin 21 (O/W, 351) to Pin 1 (O)  Pin 22 (DB/LG, 249) to Pin 2 (DB/LG)  Pin 22 (DB/LG, 249) to Pin 3 (BK)  Reconnect all three connectors at end of this test.  Is there continuity?  Change blend door actuator and test according to EATC functional test.  Is test successful?  Service/replace wiring harness, connect and test  Pone.  Pone.  Done.	0						j agnasjetacijet de te
from both control assembly and blend door actuator. Blend door actuator connector is accessible through glove compartment.  Control Assembly Connector  Blend Door Actuator Connector  Connector  Blend Door Actuator Connector Connector  Blend Door Actuator Connector					No		GO to 8.
Blend door actuator connector is accessible through glove compartment.  Control Assembly Connector  RM Side  Pin 5 (O/W, 351) to Pin 7 (O/W)  Pin 6 (O/BK, 776) to Pin 8 (O/BK)  Pin 15 (LG/O, 243) to Pin 6 (LG/O)  LM Side  Pin 21 (O/W, 351) to Pin 1 (O)  Pin 22 (DB/LG, 249) to Pin 2 (DB/LG)  Pin 24 (BK, 57) to Pin 3 (BK)  Reconnect all three connectors at end of this test.  Is there continuity?  Change blend door actuator and test according to EATC functional test.  Is test successful?  Service/replace wiring harness, connect and test  Yes  Done.					Yes		GO to 7.
Control Assembly Connector  RH Side  Pin 5 (O/W, 351)     to    Pin 7 (O/W) Pin 6 (O/BK, 776)     to    Pin 8 (O/BK) Pin 15 (LG/O, 243)     to    Pin 6 (LG/O)  LH Side  Pin 21 (O/W, 351)     to    Pin 1 (O) Pin 22 (DB/LG, 249)     to    Pin 2 (DB/LG) Pin 24 (BK, 57)     to    Pin 3 (BK)  Reconnect all three connectors at end of this test.     is there continuity?  Change blend door actuator and test according to					DANGERUS BASES	0.00	
Control Assembly Connector  RH Side  Pin 5 (O/W, 351) to Pin 7 (O/W)  Pin 6 (O/BK, 776) to Pin 8 (O/BK)  Pin 15 (LG/O, 243) to Pin 6 (LG/O)  LH Side  Pin 21 (O/W, 351) to Pin 1 (O)  Pin 22 (DB/LG, 249) to Pin 2 (DB/LG)  Pin 24 (BK, 57) to Pin 3 (BK)  Reconnect all three connectors at end of this test.  Is there continuity?  Change blend door actuator and test according to EATC functional test.  Is test successful?  Service/replace wiring harness, connect and test  Service/replace wiring harness, connect and test  Pin 2 (DB/LG, 249)  Pin 3 (BK)  Pin 2 (DB/LG, 249)  Pin 3 (BK)  Pin 3 (BK)  Pin 4 (BK, 57)  Pin 5 (LG/O)  Pin 6 (LG/O)  Pin 9 (DR/C)  Pin 1 (O/W)  Pin 1 (O/W)  Pin 6 (LG/O)  Pin 2 (DR/LG, 249)  Pin 3 (BK)  Pin 4 (BK, 57)  Pin 5 (LG/O)  Pin 5 (LG/O)  Pin 6 (LG/O)  Pin 5 (LG/O)  Pin 6 (LG/O)  Pin 8 (DR/LG, 249)  Pin 9 (DR/LG, 2		through glove con	npartmen	to saliso as os	The second state of the se		
Connector  RH Side  Pin 5 (O/W, 351) to Pin 7 (O/W)  Pin 6 (O/BK, 776) to Pin 8 (O/BK)  Pin 15 (LG/O, 243) to Pin 6 (LG/O)  LH Side  Pin 21 (O/W, 351) to Pin 1 (O)  Pin 22 (DB/LG, 249) to Pin 2 (DB/LG)  Pin 24 (BK, 57) to Pin 3 (BK)  Reconnect all three connectors at end of this test. Is there continuity?  Change blend door actuator and test according to EATC functional test. Is test successful?  Service/replace wiring harness, connect and test  Service/replace wiring harness, connect and test  Pin 2 (O/W, 351)  Pin 2 (DB/LG, 249)  Pin 3 (BK)  Pone.  Pone.  Pone.  Pone.					1		
RH Side Pin 5 (O/W, 351) to Pin 7 (O/W) Pin 6 (O/BK, 776) to Pin 8 (O/BK) Pin 15 (LG/O, 243) to Pin 6 (LG/O)  LH Side Pin 21 (O/W, 351) to Pin 1 (O) Pin 22 (DB/LG, 249) to Pin 2 (DB/LG) Pin 24 (BK, 57) to Pin 3 (BK)  Reconnect all three connectors at end of this test. Is there continuity?  Change blend door actuator and test according to EATC functional test. Is test successful?  Service/replace wiring harness, connect and test  Service/replace wiring harness, connect and test  One.				# 10 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	1 7 9 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	99	
Pin 5 (O/W, 351) to Pin 7 (O/W) Pin 6 (O/BK, 776) to Pin 8 (O/BK) Pin 15 (LG/O, 243) to Pin 6 (LG/O)  LH Side Pin 21 (O/W, 351) to Pin 1 (O) Pin 22 (DB/LG, 249) to Pin 2 (DB/LG) Pin 24 (BK, 57) to Pin 3 (BK)  Reconnect all three connectors at end of this test. Is there continuity?  Change blend door actuator and test according to EATC functional test. Is test successful?  Service/replace wiring harness, connect and test  Service/replace wiring harness, connect and test  Yes  Done.				Connector	H so		
Pin 6 (O/BK, 776) to Pin 8 (O/BK) Pin 15 (LG/O, 243) to Pin 6 (LG/O)  LH Side  Pin 21 (O/W, 351) to Pin 1 (O) Pin 22 (DB/LG, 249) to Pin 2 (DB/LG) Pin 24 (BK, 57) to Pin 3 (BK)  Reconnect all three connectors at end of this test. Is there continuity?  Change blend door actuator and test according to EATC functional test. Is test successful?  Service/replace wiring harness, connect and test  Service/replace wiring harness, connect and test  Pin 2 (O/BK) Pin 16 (LG/O) Pin 6 (LG/O) Pin 16 (LG/O) Pin 16 (LG/O) Pin 16 (LG/O) Pin 16 (LG/O) Pin 24 (BK, 57) Pin 25 (DB/LG, 249) Pin 26 (DB/LG, 249) Pin 26 (DB/LG, 249) Pin 26 (DB/LG, 249) Pin 27 (DB/LG, 249) Pin 27 (DB/LG, 249) Pin 28 (DB/LG, 249) Pin 28 (DB/LG, 249) Pin 29			***************************************		1816893344		
Pin 15 (LG/O, 243) to Pin 6 (LG/O)  LH Side  Pin 21 (O/W, 351) to Pin 1 (O)  Pin 22 (DB/LG, 249) to Pin 2 (DB/LG)  Pin 24 (BK, 57) to Pin 3 (BK)  Reconnect all three connectors at end of this test. Is there continuity?  Change blend door actuator and test according to EATC functional test. Is test successful?  Service/replace wiring harness, connect and test  Service/replace wiring harness, connect and test  Yes  Done.	Pin 5 (O/W, 351) to Pin 7 (O/W)						
LH Side  Pin 21 (O/W, 351) to Pin 1 (O)  Pin 22 (DB/LG, 249) to Pin 2 (DB/LG)  Pin 24 (BK, 57) to Pin 3 (BK)  Reconnect all three connectors at end of this test. Is there continuity?  Change blend door actuator and test according to EATC functional test. Is test successful?  Service/replace wiring harness, connect and test  Service/replace wiring harness, connect and test  Yes  Done.							
Pin 21 (O/W, 351) to Pin 1 (O) Pin 22 (DB/LG, 249) to Pin 2 (DB/LG) Pin 24 (BK, 57) to Pin 3 (BK)  Reconnect all three connectors at end of this test. Is there continuity?  Change blend door actuator and test according to EATC functional test. Is test successful?  Service/replace wiring harness, connect and test  Service/replace wiring harness, connect and test  Yes  Done.	Pin 1	15 (LG/O, 243)	to	Pin 6 (LG/O)			
Pin 22 (DB/LG, 249) to Pin 2 (DB/LG) Pin 24 (BK, 57) to Pin 3 (BK)  Reconnect all three connectors at end of this test. Is there continuity?  Change blend door actuator and test according to EATC functional test. Is test successful?  Service/replace wiring harness, connect and test  Service/replace wiring harness, connect and test  Pin 2 (DB/LG, 249)  Pin 2 (DB/LG)  Pin 2 (DB/LG)  Pin 2 (DB/LG)  Pin 3 (BK)  Pone.	LHS	ide					
Pin 24 (BK, 57) to Pin 3 (BK)  Reconnect all three connectors at end of this test. Is there continuity?  Change blend door actuator and test according to EATC functional test. Is test successful?  Service/replace wiring harness, connect and test  Service/replace wiring harness, connect and test  Pin 3 (BK)  Pin 3 (BK)  Pone.  Pone.  Pone.  Pone.  Pone.	Pin 21 (O/W, 351) to Pin 1 (O)						
■ Reconnect all three connectors at end of this test. ■ Is there continuity?  ■ Change blend door actuator and test according to EATC functional test. ■ Is test successful?  ■ Service/replace wiring harness, connect and test ■ Service/replace wiring harness, connect and test ■ Done.	Pin 2	22 (DB/LG, 249)	to	Pin 2 (DB/LG)			
Service/replace wiring harness, connect and test  Yes  Done.	Pin 2	24 (BK, 57)	to	Pin 3 (BK)			
Change blend door actuator and test according to EATC functional test. Is test successful?  Service/replace wiring harness, connect and test  ■ Service/replace wiring harness, connect and test  ■ Done.				ctors at end of this test.			
EATC functional test. Is test successful?  Service/replace wiring harness, connect and test  Service/replace wiring harness, connect and test  Pone.	7						
EATC functional test.  Is test successful?  Service/replace wiring harness, connect and test  Service/replace wiring harness, connect and test  Pone.		<ul> <li>Change blend doo</li> </ul>	ractuato	or and test according to	Yes	<b></b>	Done
Service/replace wiring harness, connect and test  Service/replace wiring harness, connect and test  Yes  Done.		EATC functional te	st.				
Service/replace wiring harness, connect and test     Yes     Done.	- 64s. 				INU		GU 10 1.
	8						
		Service / replace v	viring hai	ness, connect and test	Yes Y		Done.
Is test successful?		according to EATO	C function		No TOTAL		GO to 1.

## Manual A/C Heater Blend Door Actuator and Temperature Adjustment Potentiometer Diagnosis

Taurus/Sable vehicles with manual A/C heater systems have an electric temperature blend door actuator and temperature adjustment potentiometer.



1993 Taurus / Sable July, 1992