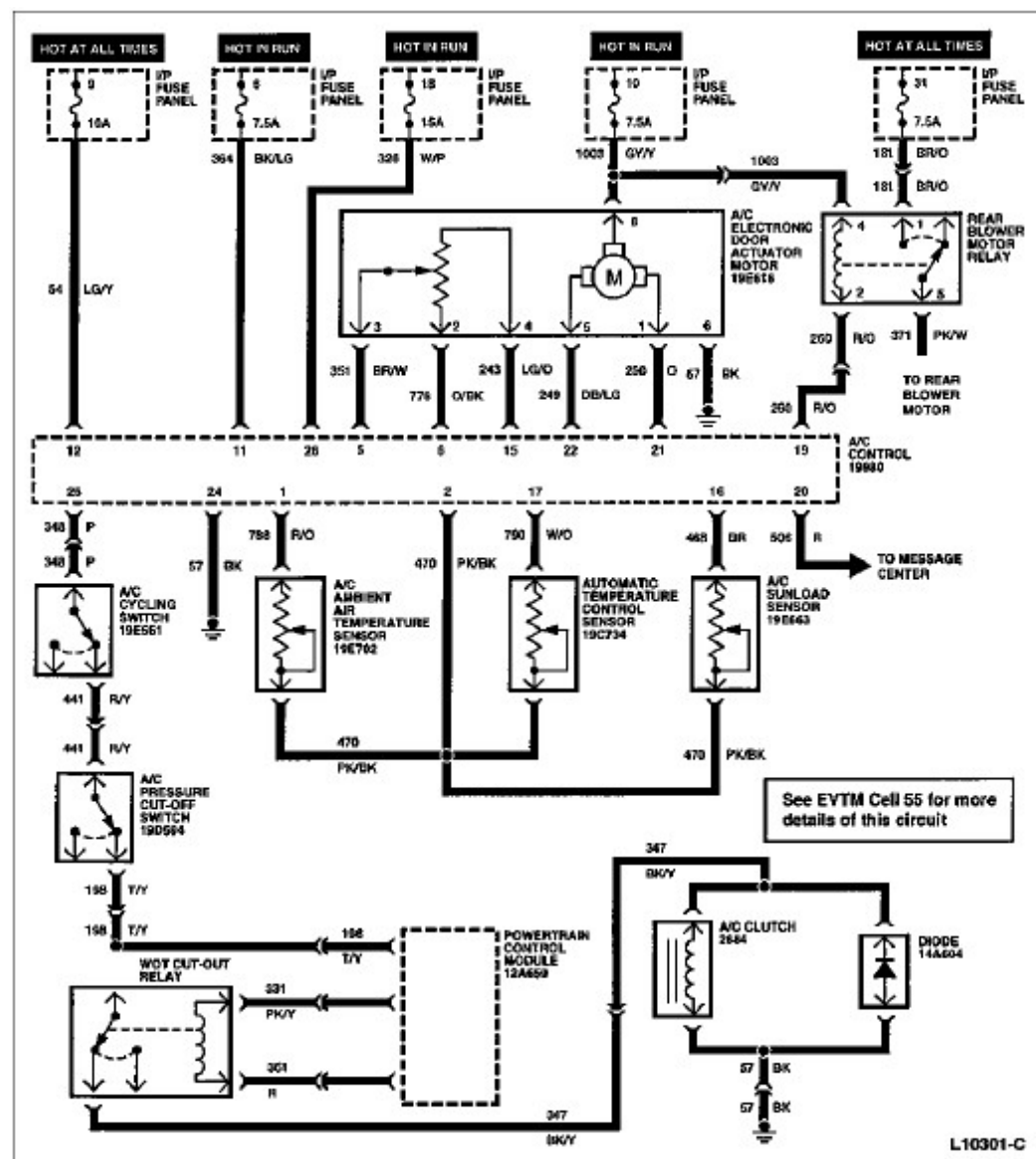


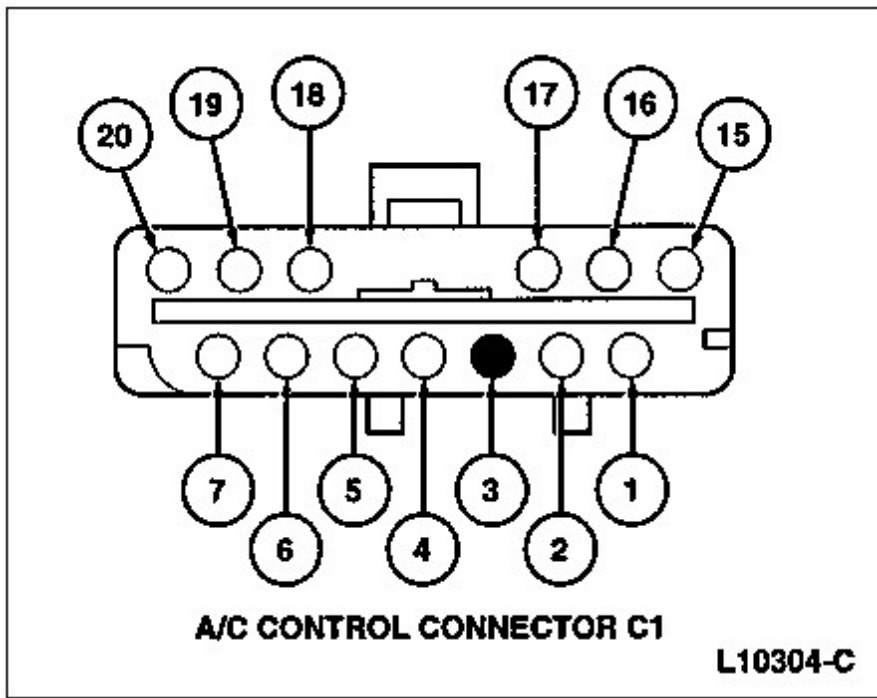
1996 Explorer Workshop Manual

Electrical Schematics

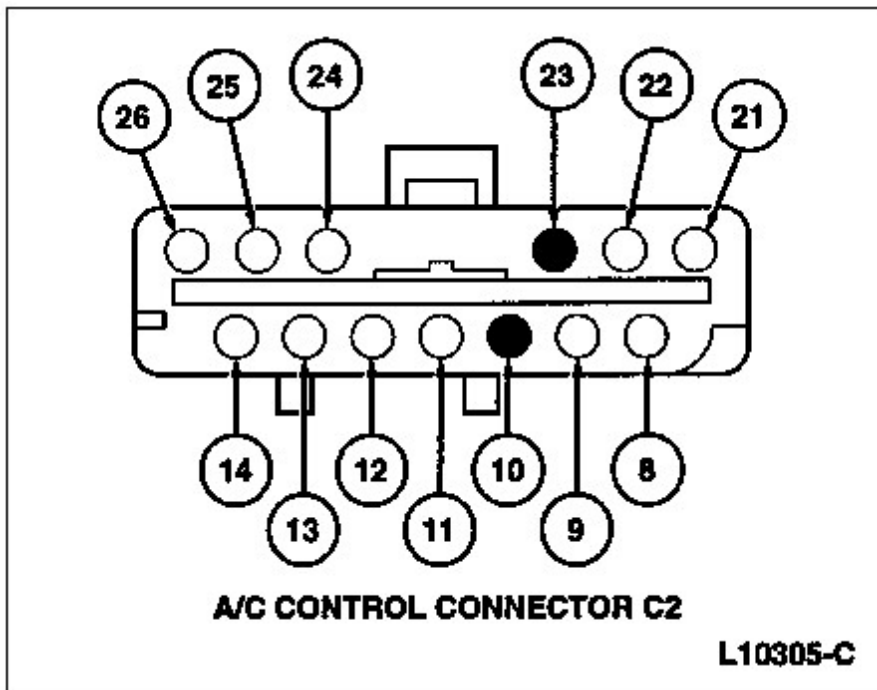
The following illustrations will help identify and locate EATC system components to aid in the diagnosis and service of the EATC system.

EATC System Electrical Schematic

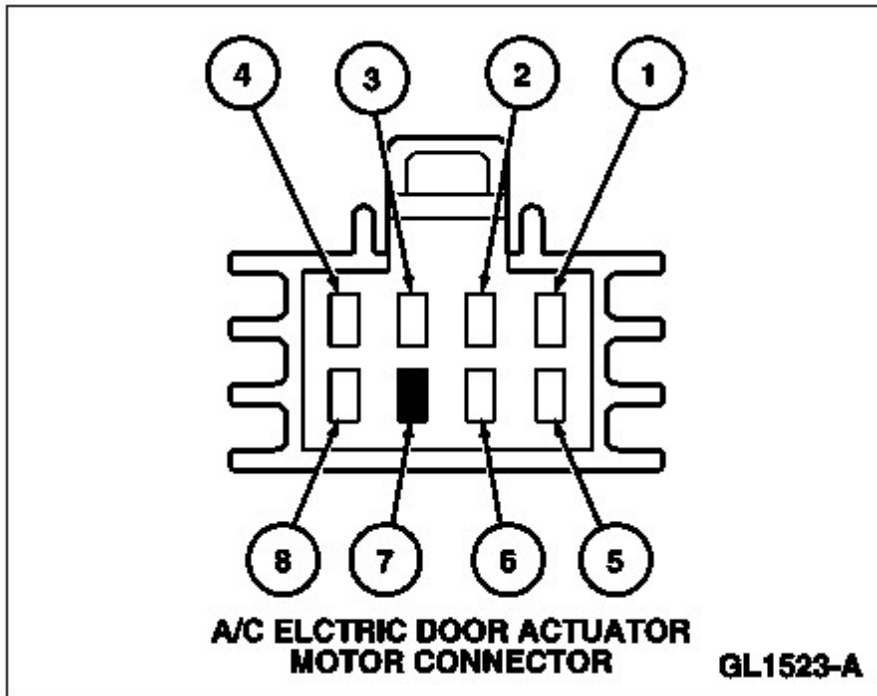




Pin Number	Circuit	Circuit Function
1	788 (R/O)	Ambient Temp. Sensor Input
2	470 (PK/BK)	Temperature Sensor Ground
3	—	NOT USED
4	235 (R/BK)	Illumination Input (Backlighting)
5	351 (BR/W)	Blend Door Position Feedback
6	776 (O/BK)	Blend Door Actuator Ground
7	181 (BR/O)	Blower Control Signal
15	243 (LG/O)	Blend Door Actuator +5V
16	468 (BR)	A/C Sunload Sensor Input
17	790 (W/O)	Automatic Temperature Control Sensor Input
18	19 (LB/R)	Display Dimming Input
19	260 (R/O)	Rear Blower Motor Relay Ground
20	506 (R)	English/Metric Input

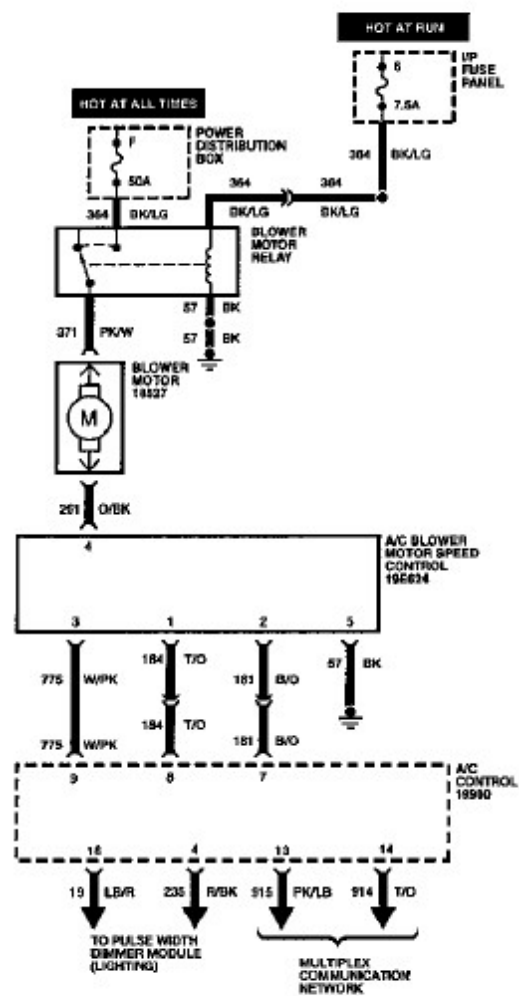


Pin Number	Circuit	Circuit Function
8	184 (T/O)	Blower Control Feedback
9	775 (W/PK)	High Blower Relay Output
10	—	NOT USED
11	364 (BK/LG)	Fuse Panel Feed — Hot in Run
12	54 (LG/Y)	Fuse Panel Feed — Hot at All Times
13	915 (PK/LB)	Multiplex Communication Network
14	914 (T/O)	Multiplex Communication Network
21	250 (O)	Blend Door Drive 2 — CCW+
22	249 (DB/LG)	Blend Door Drive 1 — CW+
23	—	NOT USED
24	57 (BK)	Ground
25	348 (P)	A/C Demand Signal
26	326 (W/P)	Fuse Panel Feed — Hot in Run

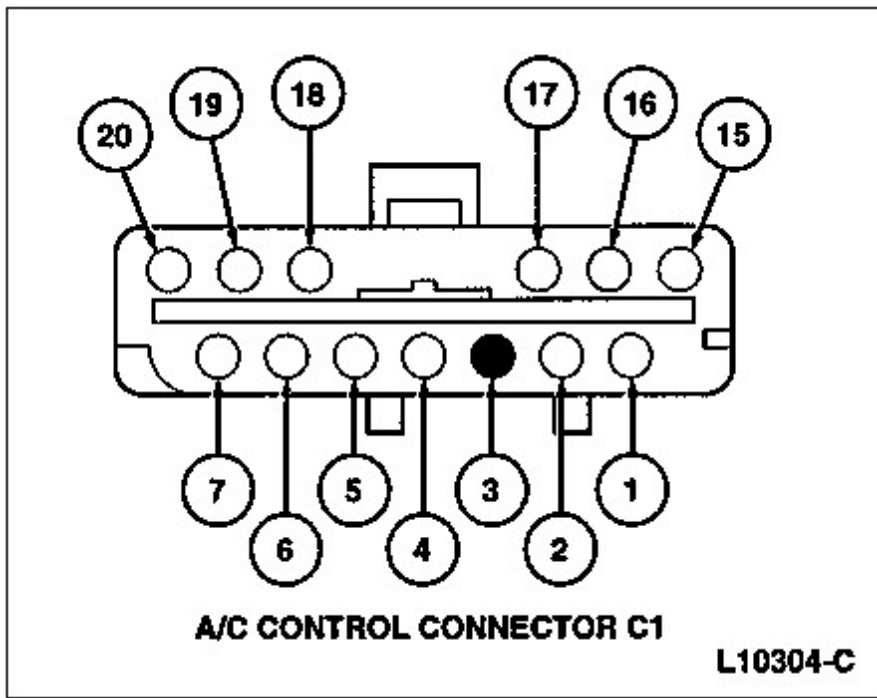


Pin Number	Circuit	Circuit Function
1	250 (O)	Blend Door Drive 2 — CCW+
2	776 (O/BK)	Blend Door Position, Negative (0.0 Volts)
3	351 (BR/W)	Blend Door Position
4	243 (LG/O)	Blend Door Position, Positive (+5 Volts)
5	249 (DB/LG)	Blend Door Drive 1 — CW+
6	57 (BK)	Ground
7	—	NOT USED
8	1003 (GY/Y)	Fuse Panel Feed — Hot in Run

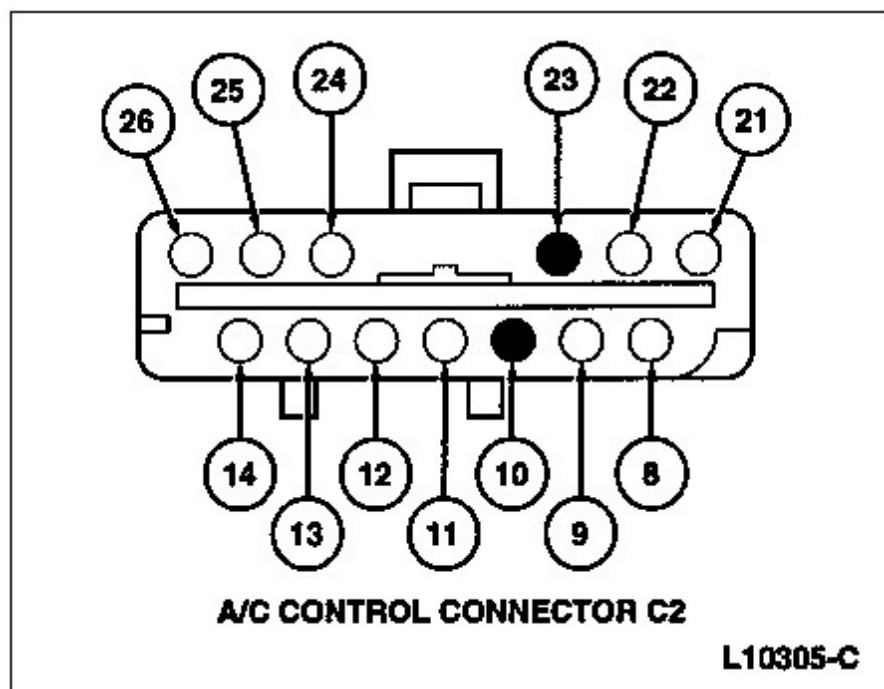
EATC Electrical Schematic (Continued)



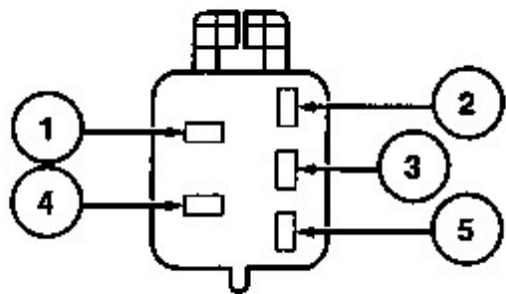
L10302-C



Pin Number	Circuit	Circuit Function
1	788 (R/O)	Ambient Temp. Sensor Input
2	470 (PK/BK)	Temperature Sensor Ground
3	—	NOT USED
4	235 (R/BK)	Illumination Input (Backlighting)
5	351 (BR/W)	Blend Door Position Feedback
6	776 (O/BK)	Blend Door Actuator Ground
7	181 (BR/O)	Blower Control Signal
15	243 (LG/O)	Blend Door Actuator +5V
16	468 (BR)	A/C Sunload Sensor Input
17	790 (W/O)	Automatic Temperature Control Sensor Input
18	19 (LB/R)	Display Dimming Input
19	260 (R/O)	Rear Blower Motor Relay Ground
20	506 (R)	English/Metric Input



Pin Number	Circuit	Circuit Function
8	184 (T/O)	Blower Control Feedback
9	775 (W/PK)	High Blower Relay Output
10	—	NOT USED
11	364 (BK/LG)	Fuse Panel Feed — Hot in Run
12	54 (LG/Y)	Fuse Panel Feed — Hot at All Times
13	915 (PK/LB)	Multiplex Communication Network
14	914 (T/O)	Multiplex Communication Network
21	250 (O)	Blend Door Drive 2 — CCW+
22	249 (DB/LG)	Blend Door Drive 1 — CW+
23	—	NOT USED
24	57 (BK)	Ground
25	348 (P)	A/C Demand Signal
26	326 (W/P)	Fuse Panel Feed — Hot in Run

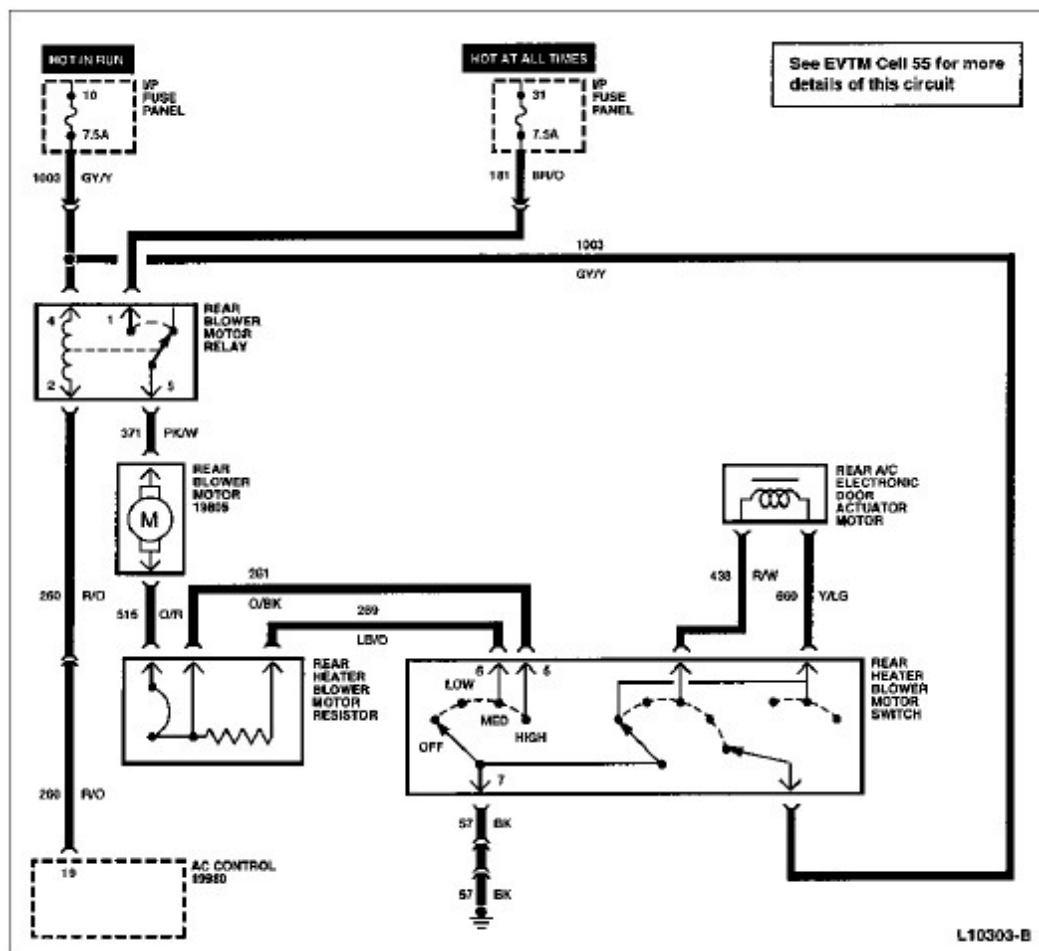


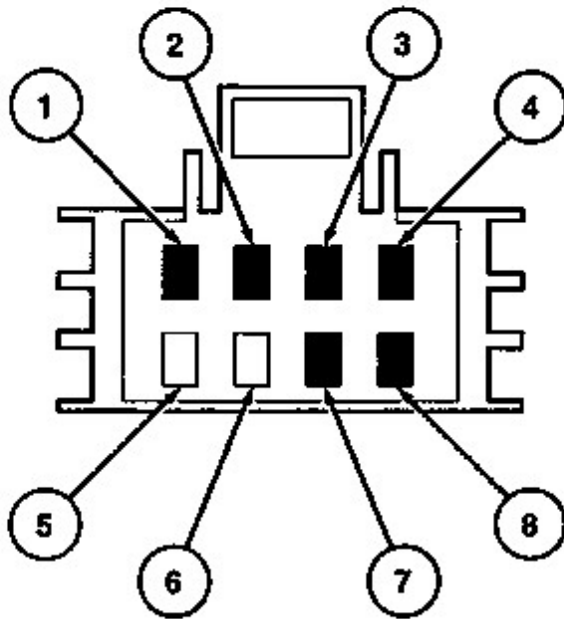
**A/C BLOWER MOTOR SPEED
CONTROL CONNECTOR**

L10306-B

Pin Number	Circuit	Circuit Function
1	57 (BK)	Ground
2	775 (W/PK)	High Blower — Input (Relay Signal)
3	181 (BR/O)	Blower Control Signal
4	261 (O/BK)	Blower Motor — Input (Power Circuit)
5	184 (T/O)	Blower Control Feedback

EATC Electrical Schematic (Continued)

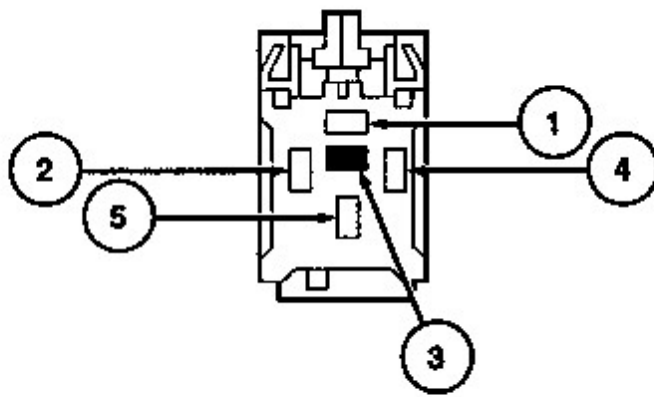




**REAR A/C ELECTRONIC DOOR ACTUATOR
MOTOR CONNECTOR**

L10309-B

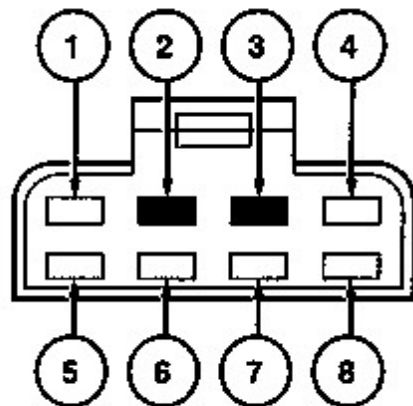
Pin Number	Circuit	Circuit Function
1	—	NOT USED
2	—	NOT USED
3	—	NOT USED
4	—	NOT USED
5	438 (R/W)	Rear Mode Door Actuator, Positive
6	660 (Y/LG)	Rear Mode Door Actuator, Ground
7	—	NOT USED
8	—	NOT USED



**REAR BLOWER MOTOR RELAY
CONNECTOR**

L10308-B

Pin Number	Circuit	Circuit Function
1	181 (BR/O)	Fuse Panel Power Feed — Hot at All Times
2	260 (R/O)	Rear Blower Motor Relay to A/C Control
3	—	NOT USED
4	1003 (GY/Y)	Fuse Panel Power Feed — Hot in Run
5	371 (PK/W)	Rear Blower Motor Relay to Rear Blower Motor

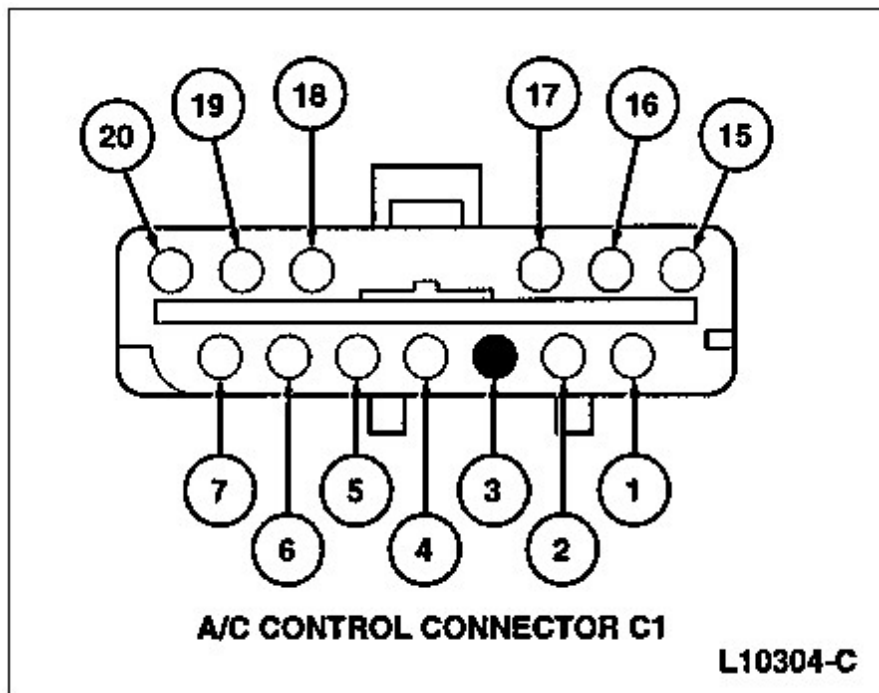


**REAR HEATER BLOWER MOTOR
SWITCH CONNECTOR**

L10307-B

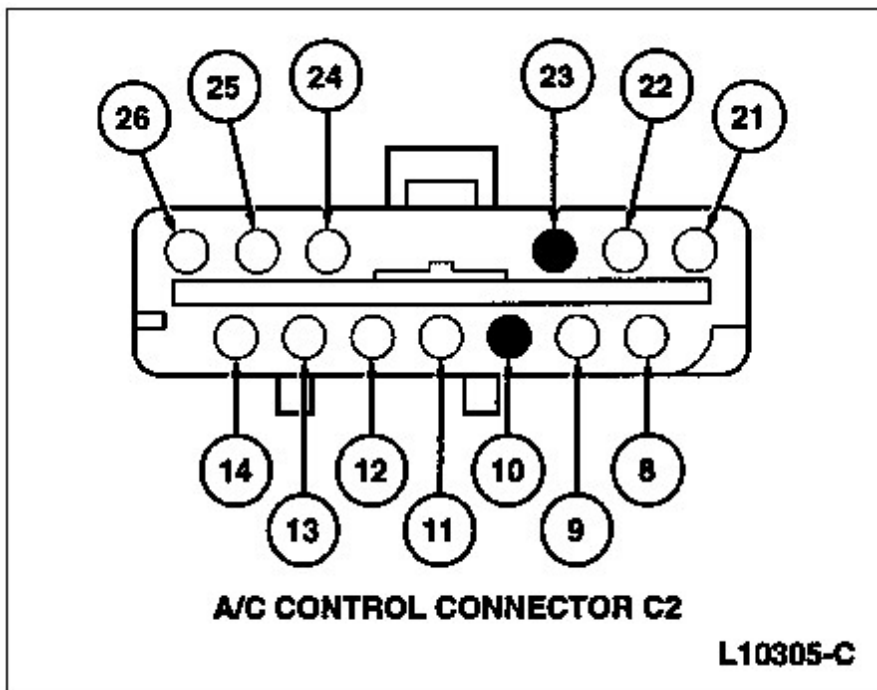
Pin Number	Circuit	Circuit Function
1	660 (Y/LG)	Rear Mode Door Actuator, Ground

2	—	NOT USED
3	—	NOT USED
4	438 (R/W)	Rear Mode Door Actuator, Positive
5	261 (O/BK)	Rear Blower Motor Resistor — High Signal
6	269 (LB/O)	Rear Blower Motor Resistor — Medium Signal
7	57 (BK)	Ground
8	1003 (GY/Y)	Fuse Panel Feed — Hot in Run

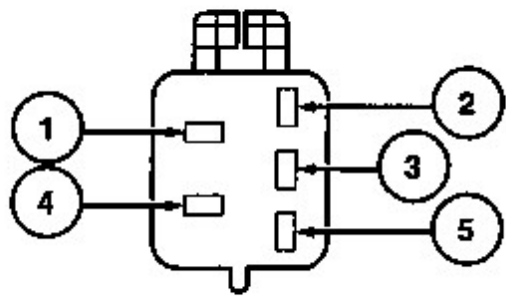


Pin Number	Circuit	Circuit Function
1	788 (R/O)	Ambient Temp. Sensor Input
2	470 (PK/BK)	Temperature Sensor Ground
3	—	NOT USED
4	235 (R/BK)	Illumination Input (Backlighting)
5	351 (BR/W)	Blend Door Position Feedback
6	776 (O/BK)	Blend Door Actuator Ground
7	181 (BR/O)	Blower Control Signal
15	243 (LG/O)	Blend Door Actuator +5V
16	468 (BR)	A/C Sunload Sensor Input
17	790 (W/O)	Automatic Temperature Control Sensor Input
18	19 (LB/R)	Display Dimming Input

19	260 (R/O)	Rear Blower Motor Relay Ground
20	506 (R)	English/Metric Input



Pin Number	Circuit	Circuit Function
8	184 (T/O)	Blower Control Feedback
9	775 (W/PK)	High Blower Relay Output
10	—	NOT USED
11	364 (BK/LG)	Fuse Panel Feed — Hot in Run
12	54 (LG/Y)	Fuse Panel Feed — Hot at All Times
13	915 (PK/LB)	Multiplex Communication Network
14	914 (T/O)	Multiplex Communication Network
21	250 (O)	Blend Door Drive 2 — CCW+
22	249 (DB/LG)	Blend Door Drive 1 — CW+
23	—	NOT USED
24	57 (BK)	Ground
25	348 (P)	A/C Demand Signal
26	326 (W/P)	Fuse Panel Feed — Hot in Run



**A/C BLOWER MOTOR SPEED
CONTROL CONNECTOR**

L10306-B

Pin Number	Circuit	Circuit Function
1	57 (BK)	Ground
2	775 (W/PK)	High Blower — Input (Relay Signal)
3	181 (BR/O)	Blower Control Signal
4	261 (O/BK)	Blower Motor — Input (Power Circuit)
5	184 (T/O)	Blower Control Feedback