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## Pinpoint Tests

### PINPOINT TEST B: A/C ELECTRONIC DOOR ACTUATOR MOTOR DIAGNOSIS

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#### **B1      CHECK ERROR CODE**

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- Check error code during EATC functional test.
- **Is error code 02 displayed?**

**Yes**

GO to [«B2»](#).

**No**

REVIEW diagnostic trouble code key.

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## Pinpoint Tests

### PINPOINT TEST B: A/C ELECTRONIC DOOR ACTUATOR MOTOR DIAGNOSIS

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#### **B2      CHECK A/C ELECTRONIC DOOR ACTUATOR MOTOR OPERATING**

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- Disconnect both connectors from EATC control assembly and A/C electronic door actuator motor in both directions using any 9-12 volt battery. The following pins can be jumped to utilize the vehicle battery. Ensure the ignition switch is in the RUN position. All pins are located on the LH side connector.

Trial 1: Pin 24 (57, BK) to Pin 22 (249 DB/LG)

Trial 2: Pin 24 (57, BK) to Pin 21 (250 O)

- **Is A/C electronic door actuator motor driven in both directions?**

**Yes**

GO to «[B3](#)».

**No**

GO to «[B6](#)».

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## Pinpoint Tests

### PINPOINT TEST B: A/C ELECTRONIC DOOR ACTUATOR MOTOR DIAGNOSIS

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#### **B3      TEST PER EATC TEST**

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- Reconnect EATC control assembly and test according to EATC Functional Test.
- **Does test check out OK?**

**Yes**

Test complete.

**No**

GO to [«B4»](#).

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### PINPOINT TEST B: A/C ELECTRONIC DOOR ACTUATOR MOTOR DIAGNOSIS

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#### **B4** CHECK RESISTANCES

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- Disconnect both connectors from EATC control assembly. Measure resistance as shown below at control assembly connector with the connector disconnected. All pins are located on RH side connector.

Pin 15 (243 LG/O) to Pin 6 (776 O/BK) 5000-7000 ohms

Pin 5 (351 O/W) to Pin 6 (776 O/BK) 300-7300 ohms

Pin 5 (351 O/W) to Pin 15 (243 LG/O) 300-7300 ohms

- **Do all resistances check out OK?**

**Yes**

GO to [«B5»](#).

**No**

GO to [«B6»](#).

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### PINPOINT TEST B: A/C ELECTRONIC DOOR ACTUATOR MOTOR DIAGNOSIS

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#### **B5      TEST PER EATC TEST**

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- Change EATC control assembly and test according to EATC Functional Test.
- **Does test check out OK?**

**Yes**

Test complete.

**No**

GO to [«B1»](#).

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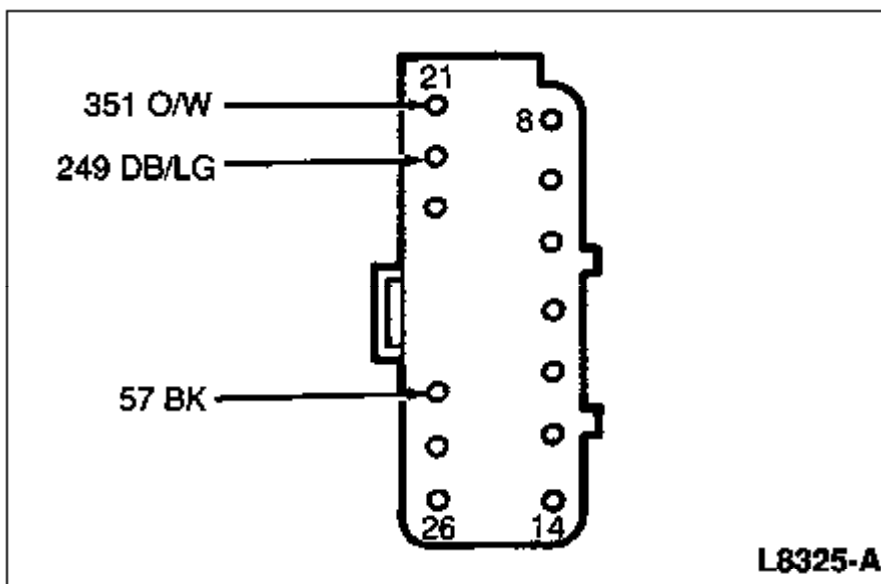
## Pinpoint Tests

### PINPOINT TEST B: A/C ELECTRONIC DOOR ACTUATOR MOTOR DIAGNOSIS

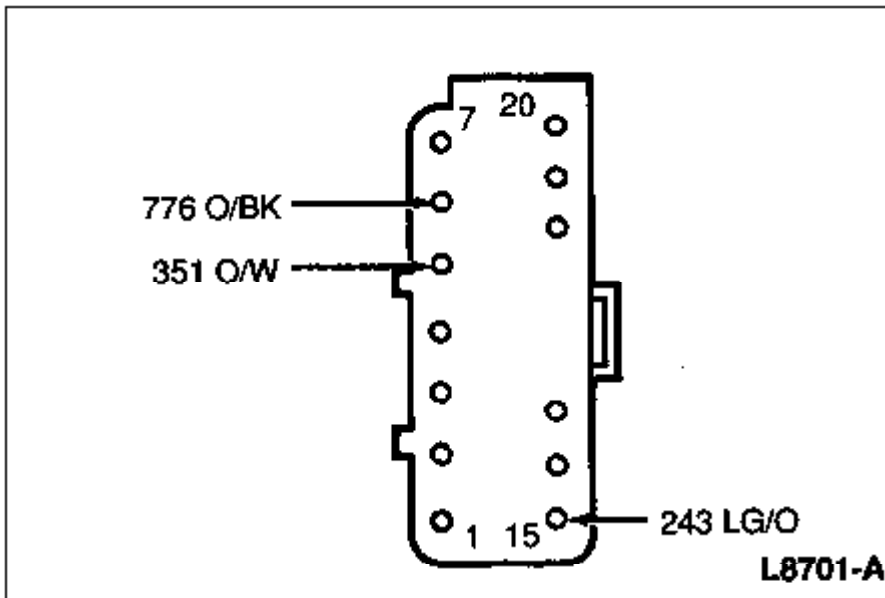
#### B6 CHECK CONTINUITY

- Check vehicle wiring harness and connector continuity shown below. Disconnect connectors from both EATC control assembly and A/C electronic door actuator motor.

EATC Control Assembly Connector (RH Connector)		A/C Electronic Door Actuator Motor Connector
Pin 5 (351 O/W)	to	Pin 7 (O/W)
Pin 6 (776 O/BK)	to	Pin 8 (O/BK)
Pin 15 (243 LG/O)	to	Pin 6 (LG/O)



EATC Control Assembly Connector (LH Connector)		A/C Electronic Door Actuator Motor Connector
Pin 21 (351 O/W)	to	Pin 1 (O)
Pin 22 (249 DB/LG)	to	Pin 2 (DB/LG)
Pin 24 (57 BK)	to	Pin 3 (BK)



NOTE:  
Reconnect all three connectors at the end of this test.

● **Is continuity good?**

**Yes**

GO to **«B7»**.

**No**

GO to **«B8»**.

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### PINPOINT TEST B: A/C ELECTRONIC DOOR ACTUATOR MOTOR DIAGNOSIS

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#### **B7** TEST PER EATC TEST

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- Change A/C electronic door actuator motor and test according to EATC Function Test.
- **Does test check out OK?**

**Yes**

Test complete.

**No**

GO to «[B1](#)».

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## Pinpoint Tests

### PINPOINT TEST B: A/C ELECTRONIC DOOR ACTUATOR MOTOR DIAGNOSIS

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#### **B8      CHECK PER EATC TEST**

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- Service wiring harness, connect and test according to EATC Function Test.
- **Does test check out OK?**

**Yes**

Test complete.

**No**

GO to [«B1»](#).

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