

# Troubleshooting

## Flowchart—Mode Control Motor

No air direction control.

Disconnect the 8P connector from the mode control motor.

Turn the ignition switch ON.

Measure voltage between the BLK/YEL wire terminal (+) and body ground (-).

Is there battery voltage?

NO

Repair open in the BLK/YEL wire between the No. 19 (7.5A) fuse in the under-dash fuse/relay box and the mode control motor.

YES

Turn the ignition switch OFF.

Check for continuity in the BLK wire between the mode control motor and body ground.

Is there continuity?

NO

Check for an open in the BLK wire between the mode control motor and body ground. If the wire is OK, check for poor ground at G301, G302, and G303.

YES

Test the mode control motor (see page 21-62).

Is the mode control motor OK?

NO

Remove the mode control motor (see page 21-62).

YES

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Check the mode control linkage and doors for smooth movement.

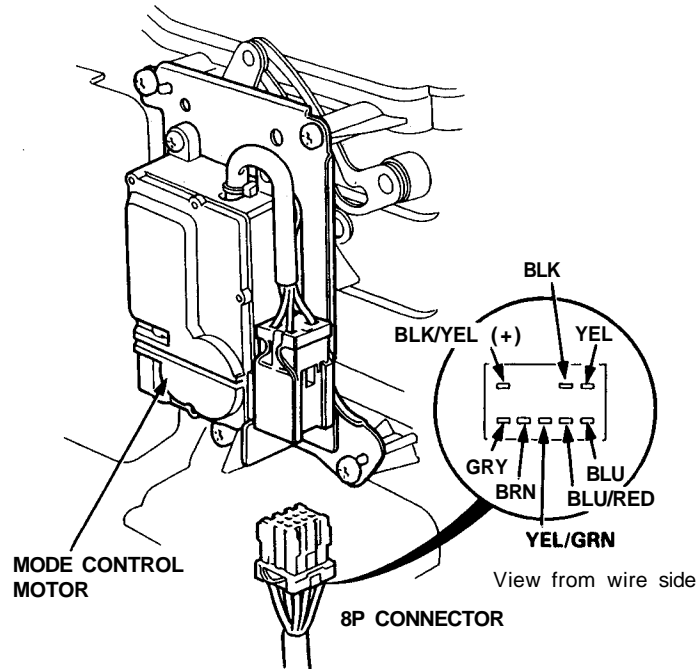
Do the mode control linkage and doors move smoothly?

NO

Repair the mode control linkage or doors.

YES

Replace the mode control motor.





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Remove the heater control panel (see page 21-13).

Disconnect the 22P connector from heater control panel.

Check each wire for continuity between the mode control motor and body ground.

- GRY wire
- BRN wire
- YEL/GRN wire
- BLU/RED wire
- BLU wire

Is there continuity?

YES

Repair any short in the wire(s) between the mode control motor and the heater control panel.

NO

Check each wire for continuity between the mode control motor and the heater control panel.

- GRY wire
- BRN wire
- YEL/GRN wire
- BLU/RED wire
- BLU wire
- YEL wire

Is there continuity?

NO

Repair any open in the wire(s) between the mode control motor and the heater control panel.

YES

Substitute a known-good heater control panel and recheck. If symptom/indication goes away, replace the original heater control panel.

