

Troubleshooting

Flowchart — Mode Control Motor

Self-diagnosis circuit check indicates a problem in the mode control motor.

Disconnect the 6P connector from the mode control motor.

Test the mode control motor (see page 22-58).

Is the mode control motor OK?

YES

NO

Remove the mode control motor (see page 22-58).

Check the mode control linkage and doors for smooth movement.

Do the mode control linkage and doors move smoothly?

NO

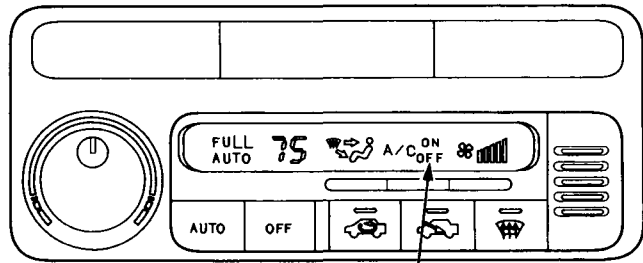
Repair the mode control linkage or doors.

YES

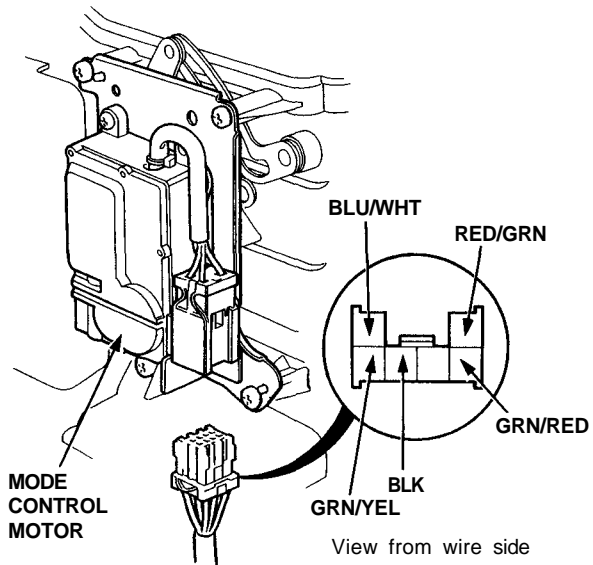
Replace the mode control motor.

Remove the climate control unit (see page 22-6).

Disconnect the 30P connector from the climate control unit.



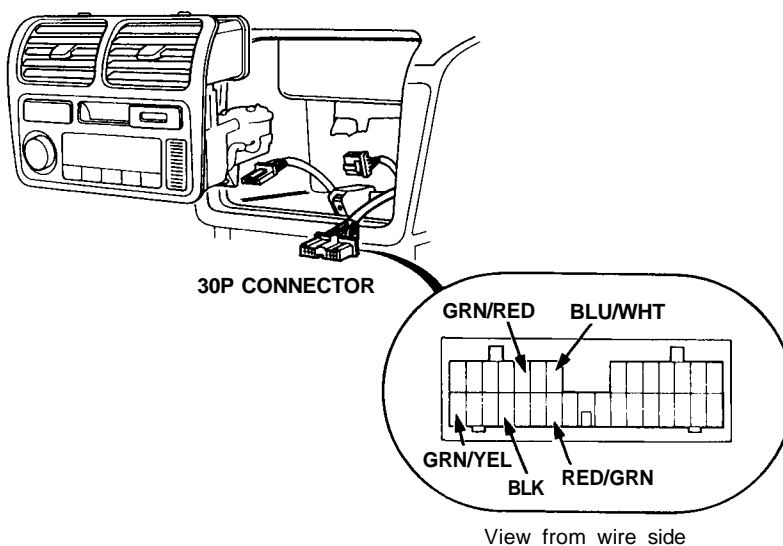
MODE CONTROL MOTOR INDICATOR



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Check each wire for continuity between the mode control motor and the climate control unit:

- RED/GRN wire
- GRN/RED wire
- BLU/WHT wire
- GRN/YEL wire
- BLK wire

Is there continuity?

NO

Repair any open in the wire(s) between the mode control motor and the climate control unit.

YES

At either connector, check each wire for continuity to body ground:

- RED/GRN wire
- GRN/RED wire
- BLU/WHT wire
- GRN/YEL wire

Is there continuity?

YES

Repair any short in the wire(s) between the mode control motor and the climate control unit.

NO

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