

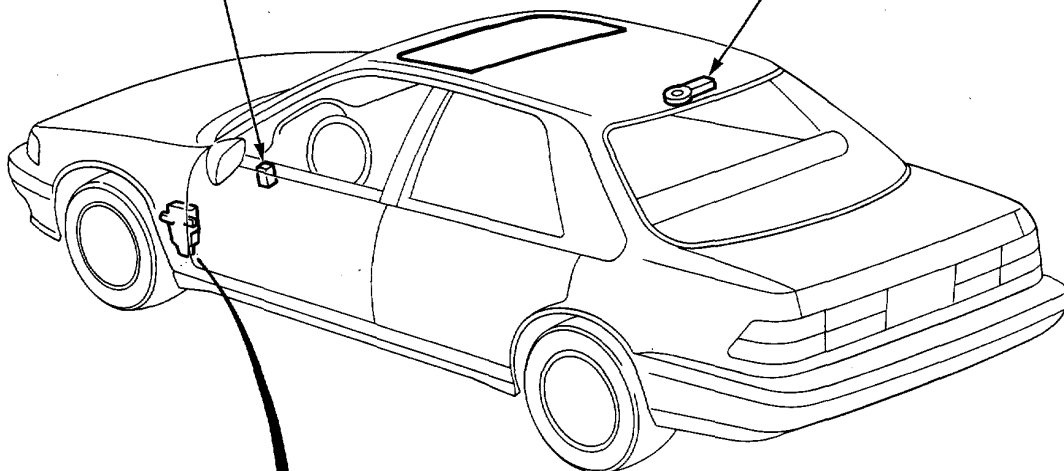
# Sunroof



## Component Location Index

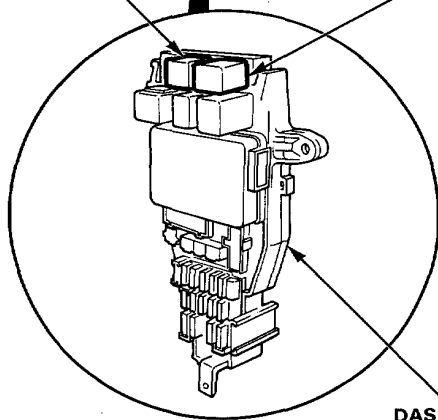
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**SUNROOF OPEN RELAY**  
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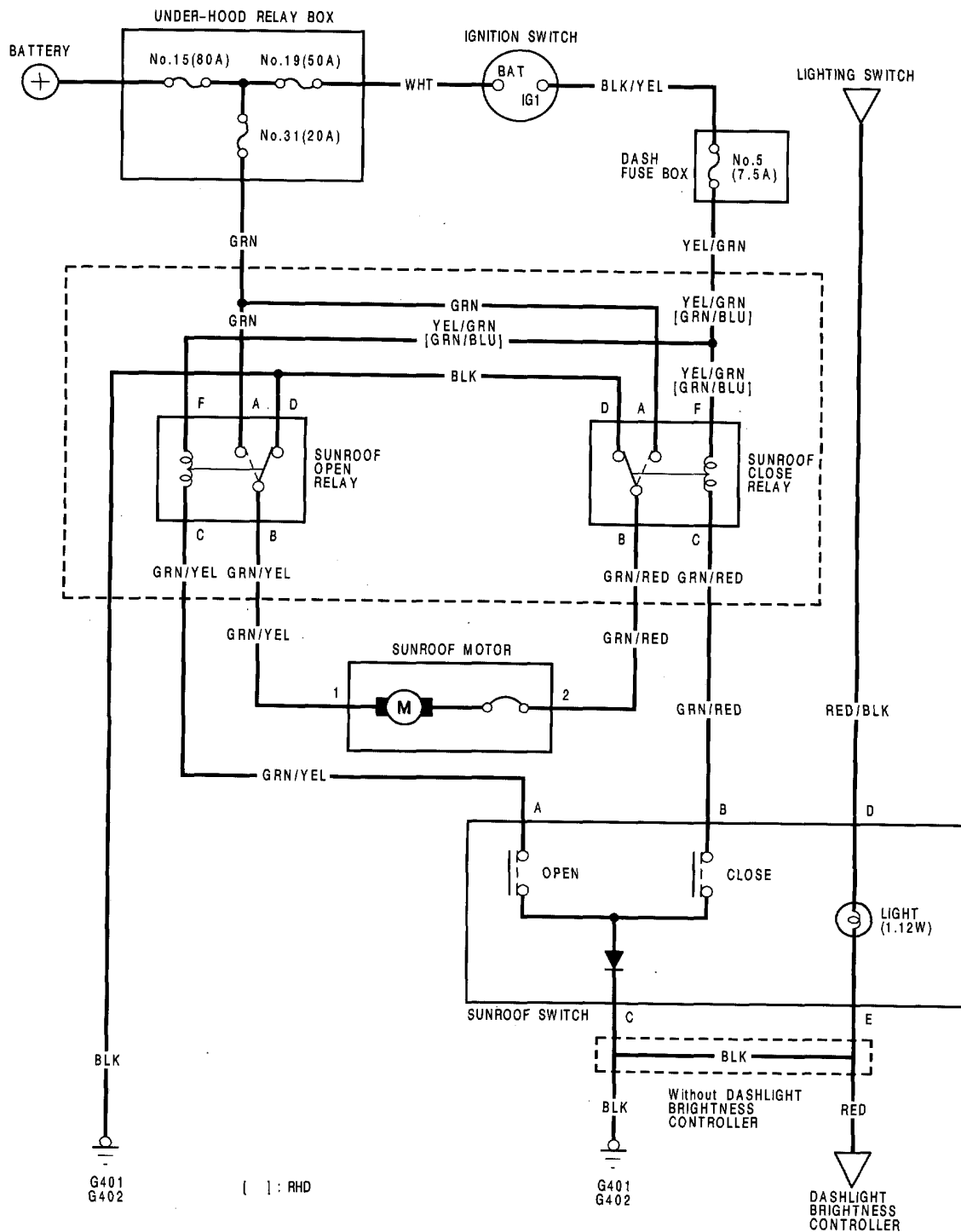
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**DASH FUSE BOX**  
(Located driver side, kick panel)

# Sunroof

## Circuit Diagram





## Electrical Troubleshooting

NOTE: The numbers in the table show the troubleshooting sequence.

Symptom \ Item to be inspected		Clutch out of adjustment, foreign matter stuck between guide rail and sunroof, or outer cable not attached properly.	Blown No. 19 (50 A) fuse (in the under-hood relay box)	Blown No. 5 (7.5 A) fuse (in the dash fuse box)	Function Test	Open relay	Close relay	Sunroof motor	Sunroof switch	Poor ground	Open circuit in wires or loose or disconnected terminals
Sunroof does not move, but motor turns.		1									
Sunroof does not move and motor does not turn (sunroof can be moved with sunroof wrench).	With all switches		1	2	3			5	4	G401 G402	GRN, YEL/GRN GRN/YEL, or GRN/RED
	With OPEN switch.					1	2		3		GRN/YEL
	With CLOSE switch.					2	1		3		GRN/RED

# Sunroof

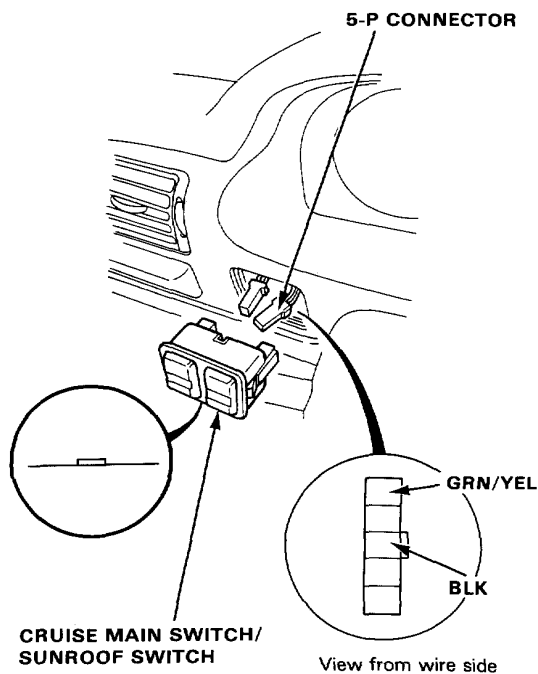
## Function Test

1. Carefully pry out the cruise main switch/sunroof switch from the instrument panel.  
NOTE: Be careful not to damage the switch or the instrument panel when prying out the switch.

2. Disconnect the 5-P and 6-P connectors from the switches.

3. Connect the GRN/YEL terminal to the BLK terminal with a jumper wire.  
The sunroof should open when the ignition switch is turned ON.

- If the sunroof opens, check the switch.
- If not, connect the GRN/YEL terminal to body ground.
  - If the sunroof opens, check for open in the BLK wire, and check whether the G401 and G402 terminals are poor.
  - If not, remove the headliner and check the motor.

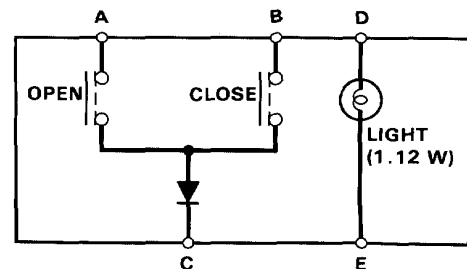
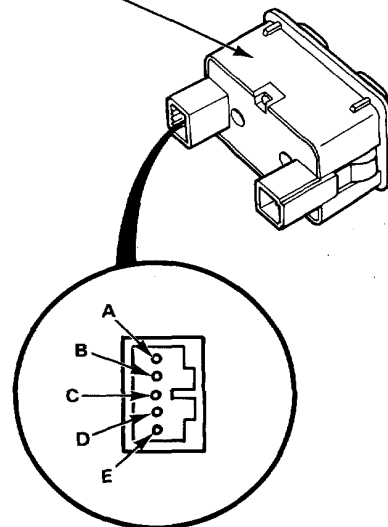


## Switch Test

1. Remove the switches from the instrument panel.
2. Check for continuity between the terminals in each switch position according to the table.

Terminal	A	B	C	D	E
Position					
OFF					
OPEN	○	—	○	○	○
CLOSE		○	—	○	○

CRUISE MAIN SWITCH/  
SUNROOF SWITCH

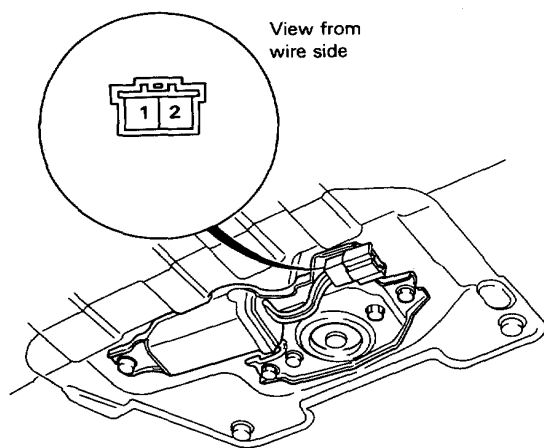




## Motor Test

1. Remove the headliner.
2. Disconnect the 2-P connector from the sunroof motor.
3. Test motor operation by connecting battery to the No.1 and No.2 terminals. Test the motor in each direction, by switching the leads from the battery.
4. If the motor does not run, replace it.

NOTE: See Closing Force Check in section 14 for motor clutch test.



## Relay Test

1. Remove the sunroof relays on the dash fuse box.
2. There should be continuity between the A and B terminals when the battery is connected to the F and C terminals.  
There should be continuity between the B and D terminals when the battery is disconnected.

