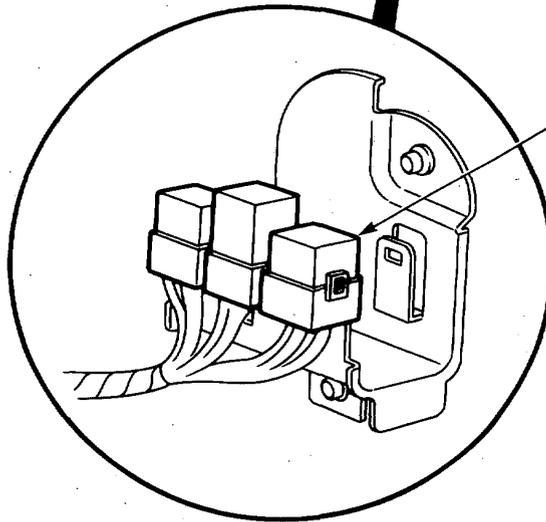
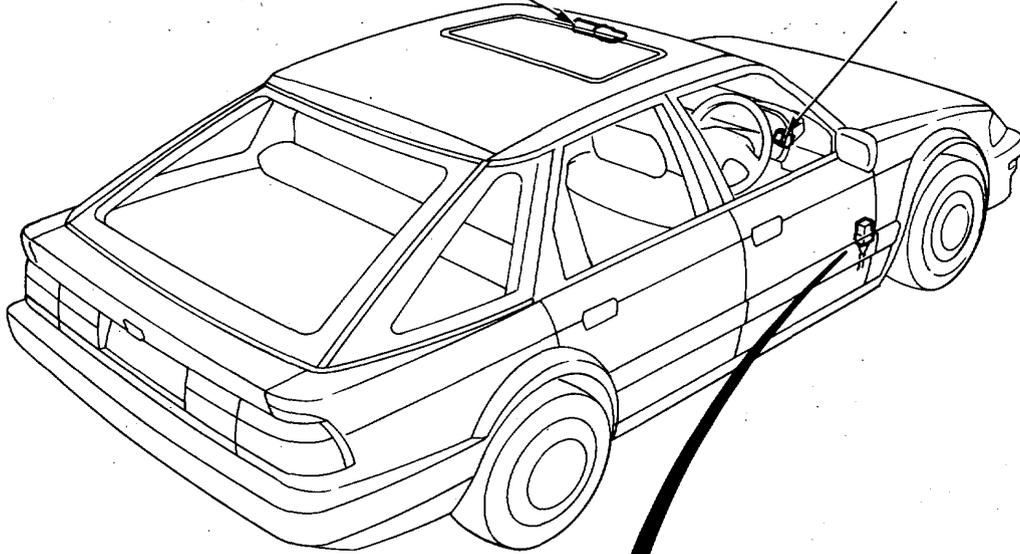


Sunroof

Component Location Index

SUNROOF MOTOR
Test, page 16-154
Replacement, section 14

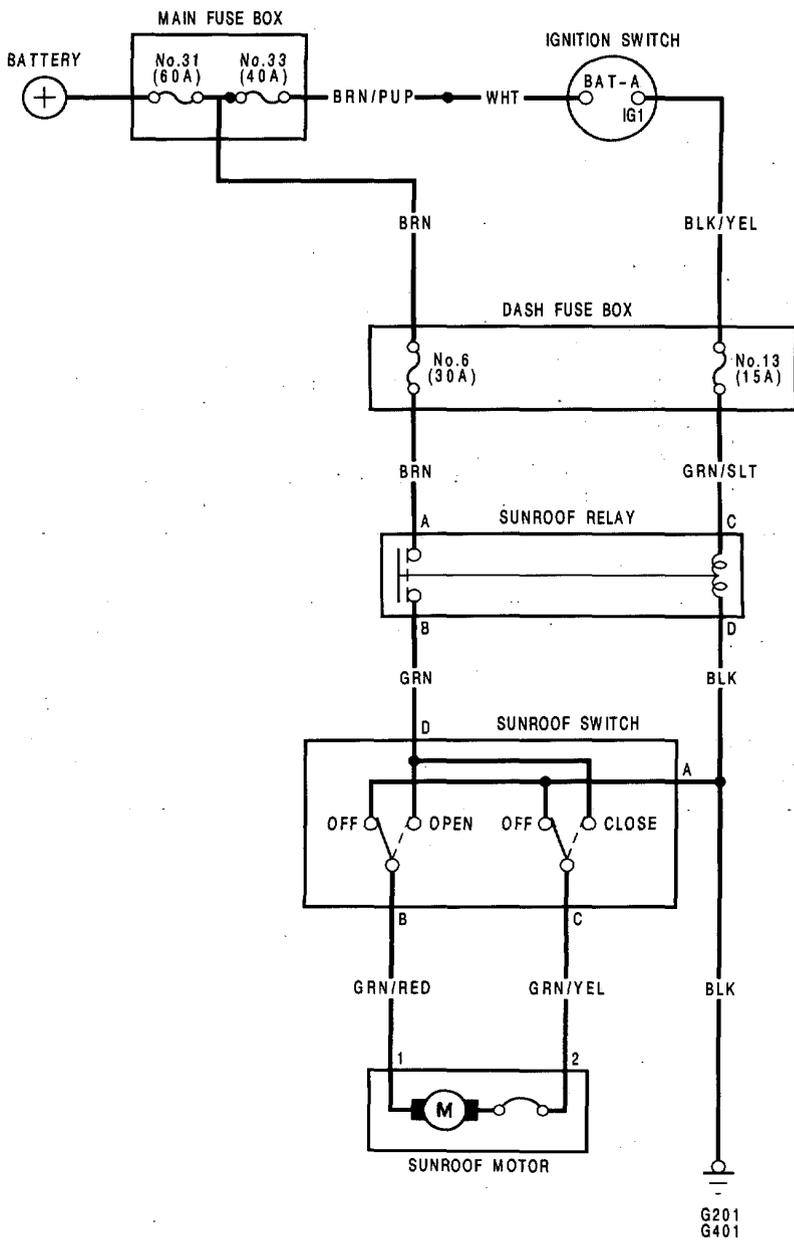
SUNROOF SWITCH
Function Test, page 16-154
Test, page 16-157



SUNROOF RELAY
Wire colors: BRN,
GRN/SLT, BLK,
and GRN
Test page: 16-155



Circuit Diagram



Sunroof

Electrical Troubleshooting

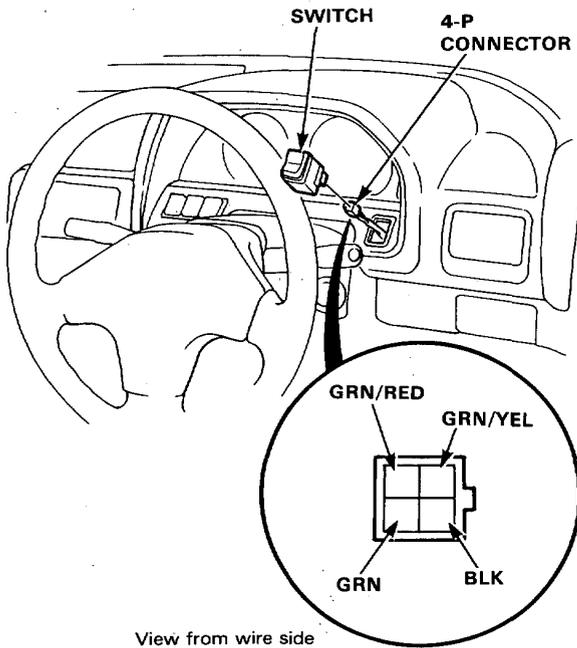
NOTE: The numbers in the table show the troubleshooting sequence.

Item to be inspected		Clutch out of adjustment, foreign matter stuck between guide rail and sunroof, or outer cable not attached properly	Blown No.6 (30A) fuse (in the dash fuse box)	Blown No.13 (15A) fuse (in the dash fuse box)	Function test	Sunroof relay	Sunroof motor	Sunroof switch	Poor ground	Open circuit in wires or loose or disconnected terminals	
Symptom											
Sunroof does not move, but motor turns.	1										
Sunroof does not move and motor does not turn (sunroof can be moved with sunroof wrench).	Switch in any position.	1 2 3 4 5 G201,G401 BRN, GRN/SLT, GRN									
	With OPEN switch.	1 GRN/RED									
	With CLOSE switch	1 GRN/YEL									



Function Test

1. Remove the dashboard lower panel.
2. Push out the switch from behind the instrument panel, then disconnect the 4-P connector to remove the switch.



3. Check for continuity between the BLK terminal and body ground.
There should be continuity.

- If there is no continuity, check for
 - An open in the BLK wire.
 - Poor ground (G201, G401)
- If there is continuity, go to step 4.

4. Check for voltage between the GRN terminal and the BLK terminal with ignition switch ON.
There should be battery voltage.

- If there is no voltage, check for
 - Blown No. 13 (15A) or No. 6 (30A) fuse in the dash fuse box.
 - An open in the GRN/SLT, GRN or BRN wire.
 - Faulty sunroof relay.
- If there is battery voltage go to step 5.

5. Connect the GRN terminal to the GRN/RED terminal, and the GRN/YEL terminal to the BLK terminal with jumper wires.
The sunroof should open when the ignition switch is turned ON.

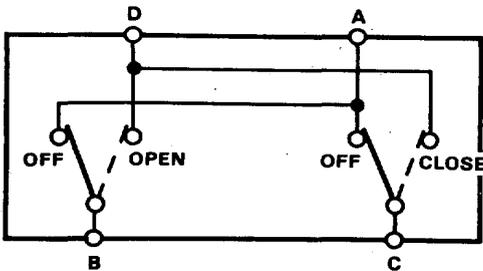
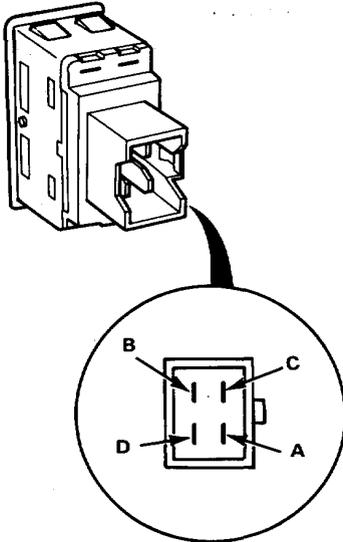
- If the sunroof opens, check the switch.
- If sunroof does not open, remove the headliner and check the motor.

Sunroof

Switch Test

1. Remove the dashboard lower panel.
2. Push out the switch from behind the instrument panel, then disconnect the 4-P connector to remove the switch.
3. Check for continuity between the terminals in each switch position according to the table.

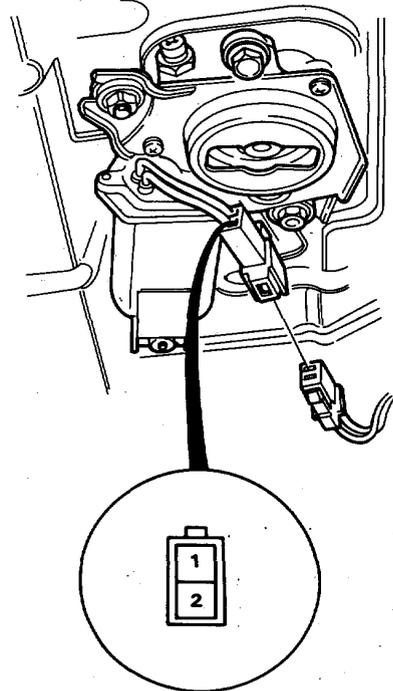
Terminal	A	B	C	D
Position				
OFF	○	○	○	
OPEN		○	○	○
CLOSE			○	○



Motor Test

1. Remove the headliner. (see, 14 Section)
2. Disconnect the 2-P connector from the sunroof motor.
3. Test motor operation by connecting a 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.



View from wire side.



Relay Test

1. Remove the relay from the dash fuse box.
2. There should be continuity between the A and B terminals when the battery is connected to the C and D terminals.
There should be no continuity when the battery is disconnected.

