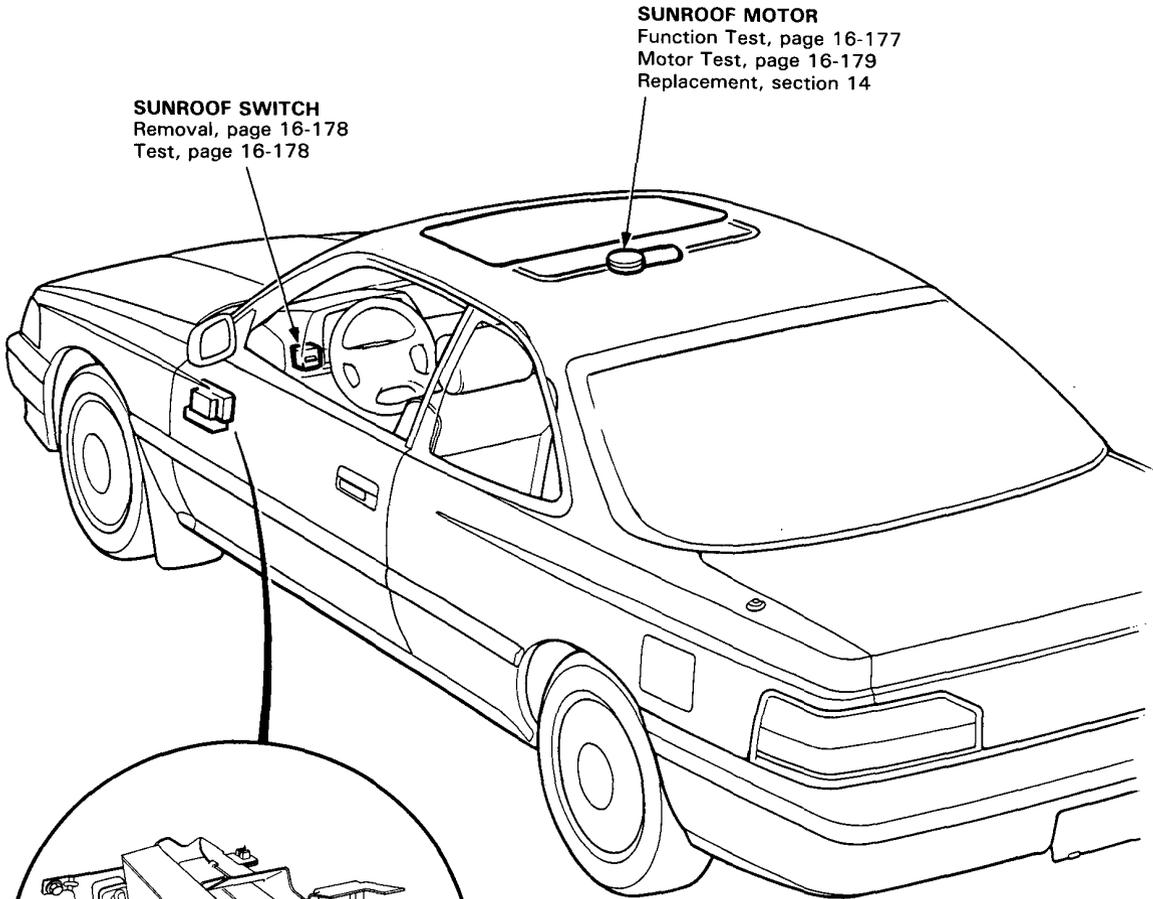


Sunroof

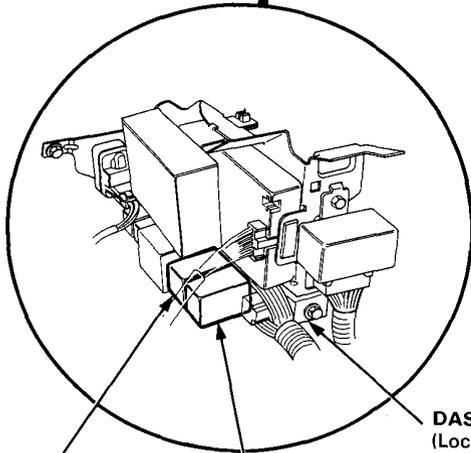


Component Location Index



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SUNROOF RELAY (OPEN)
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DASH RELAY HOLDER
(Located under dash, driver's side)

SUNROOF RELAY (CLOSE)
Test, page 16-179



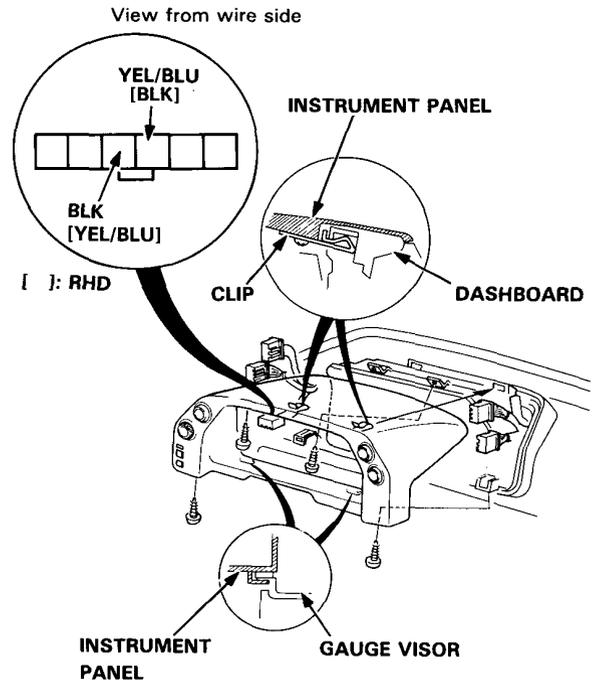
Electrical Troubleshooting

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. 37 (30 A) fuse (in the under-hood relay box)	Blown No. 15 (20 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).	Switch in any position.		1	2	3				5	4	G403 or G701	GRN/WHT, GRN/BLK, GRN/YEL, or GRN/RED	
	With OPEN switch.						1	2				3	YEL/BLU
	With CLOSE switch.						2	1				3	YEL/RED

Function Test

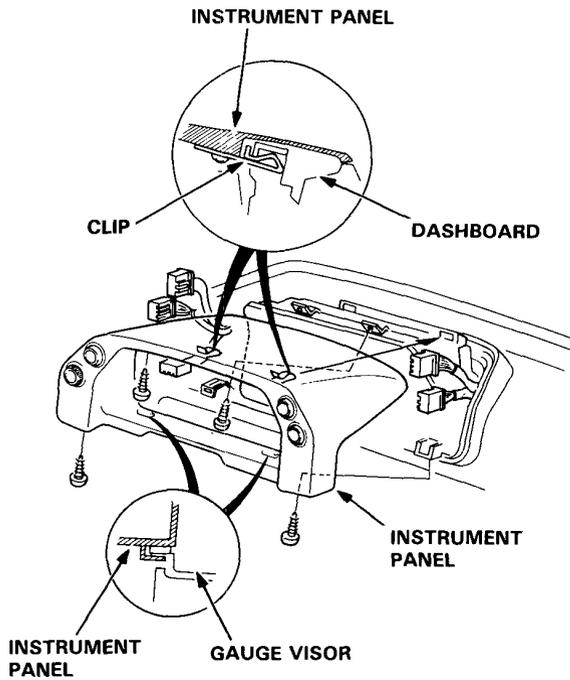
- Remove the 4 screws, then remove the instrument panel from the dashboard.
- Connect the YEL/BLU terminal to the the BLK terminal with a jumper wire. The sunroof should open when the ignition switch is turned ON.
 - If the sunroof opens, check the switch.
 - If not, connect the YEL/BLU terminal to body ground.
 - If the sunroof opens, check for open in the BLK wire, and check whether the G701 terminal is poor.
 - If not, remove the headliner and check the motor.



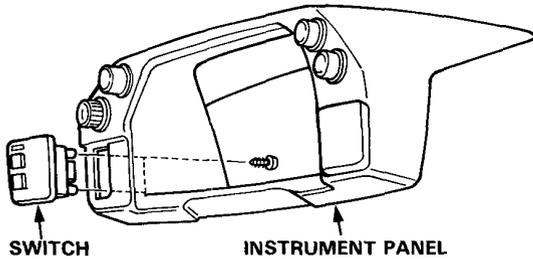
Sunroof

Switch Removal

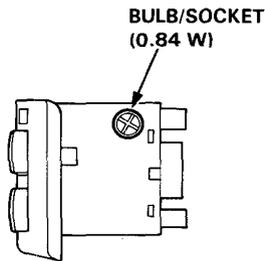
1. Remove the 4 screws, then remove the instrument panel from the dashboard.



2. Remove the screw from the rear of the instrument panel, then remove the switch.



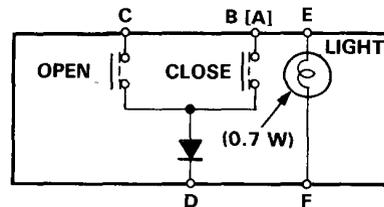
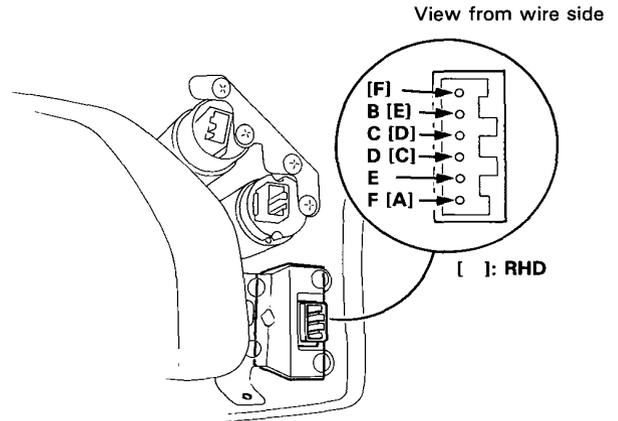
3. Turn the socket 45° counterclockwise to remove it.



Switch Test

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

Terminal Position	B [A]	C	D	E	F
OFF					
OPEN	○			○	○
CLOSE		○	▶		○

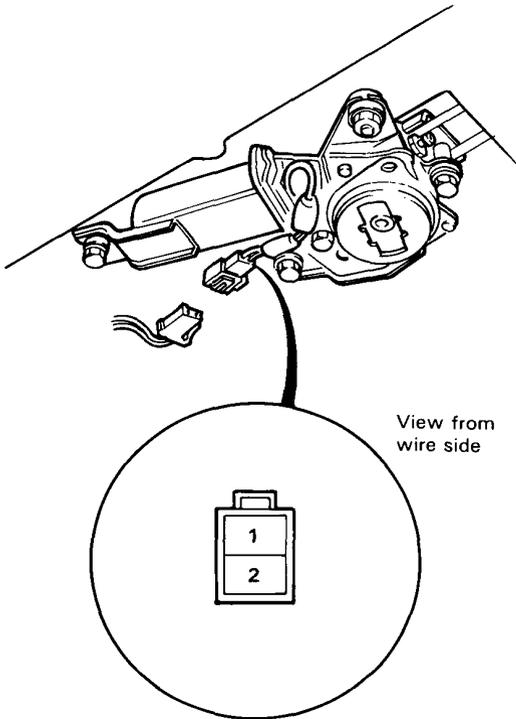




Motor Test

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 in the dash relay holder.
2. There should be continuity between the A and C terminals when the battery is connected to the E and F terminals.
There should be continuity between the B and C terminals when the battery is disconnected.

