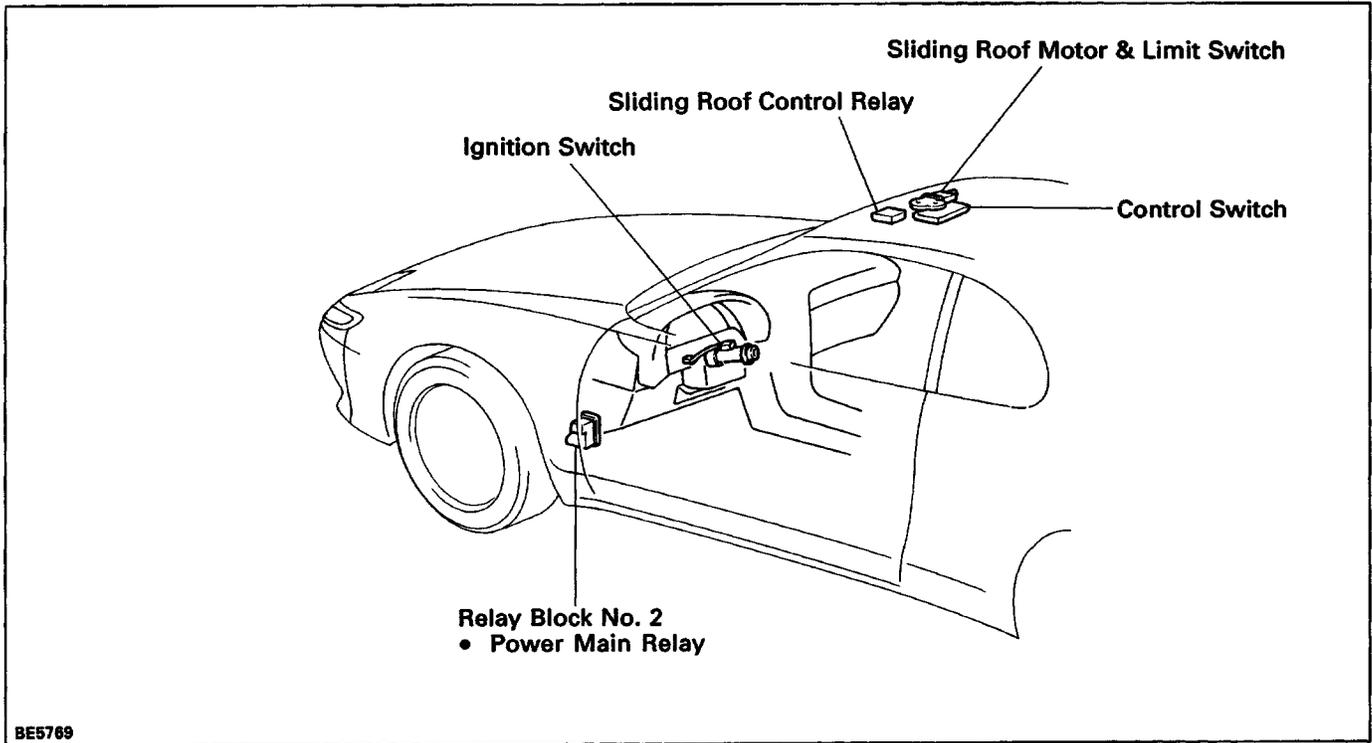


## SLIDING ROOF SYSTEM PARTS LOCATION



## TROUBLESHOOTING

The table below will be useful for you in troubleshooting these electrical problems. The most likely causes of the malfunction are shown in the order of their probability. Inspect each part in the order shown, and replace the part when it is found to be faulty.

Trouble	Part name	See page
Sliding roof does not operate	1. GAUGE Fuse	<a href="#">BE-3</a>
	2. POWER Fuse	<a href="#">BE-3</a>
	3. Power Main Relay	<a href="#">BE-70</a>
	4. Sliding Roof Control Switch	<a href="#">BE-78</a>
	5. Sliding Roof Limit Switch	<a href="#">BE-78</a>
	6. Sliding Roof Motor	<a href="#">BE-78</a>
	7. Sliding Roof Control Relay	<a href="#">BE-79</a>
	8. Wire Harness	-

## SLIDING ROOF CONTROL SWITCH

### SLIDING ROOF CONTROL SWITCH INSPECTION

#### CONTINUITY

Terminal Switch position		2	3	4	5	6
		SLIDE	OPEN		○	○
OFF						
CLOSE				○	○	○
TILT	DOWN	○	○			
	OFF					
	UP			○	○	

BE2857 S-6-2-B

If continuity is not as specified, replace the switch.

## SLIDING ROOF LIMIT SWITCH

### SLIDING ROOF LIMIT SWITCH INSPECTION

#### CONTINUITY

Terminal Switch position		1	2	3	4
		Limit switch No.1	OFF (SW pin released)		
ON (SW pin pushed in)	○				○
Limit switch No.2	OFF (SW pin released)				
	ON (SW pin pushed in)		○		○

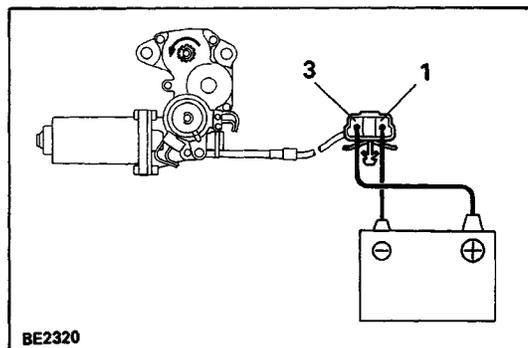
BE2859 Y-4-2

If continuity is not as specified, replace the switch.

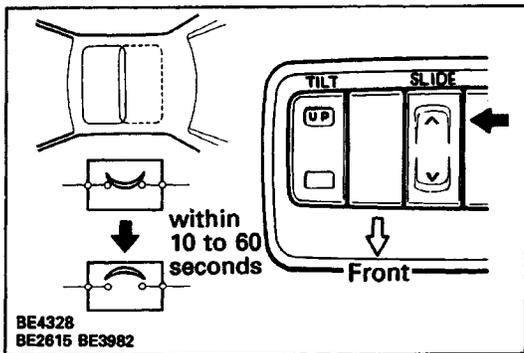
## SLIDING ROOF MOTOR

### SLIDING ROOF MOTOR INSPECTION

#### MOTOR OPERATION

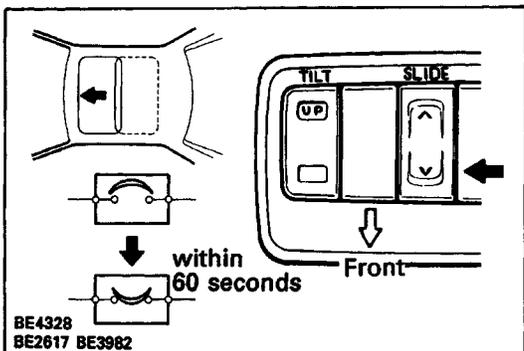


- Connect the positive (+) lead from the battery to terminal 3 and the negative (-) lead to terminal 1, check that the motor turns to counterclockwise (moves to the close side).
  - Reverse the polarity, check that the motor turns to clockwise (moves to the open side).
- If operation is not as specified, replace the motor.

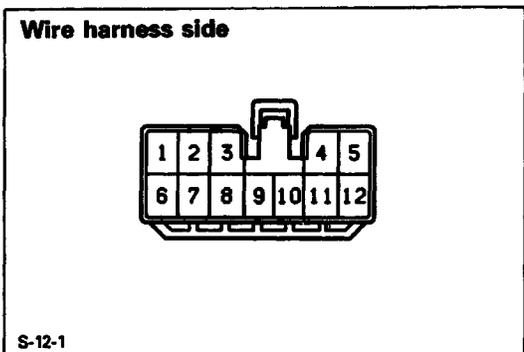


**CIRCUIT BREAKER OPERATION**

(a) With the sun roof in the fully opened position, hold the sun roof switch in "OPEN" position and check that there is a circuit breaker operation noise within 10 to 60 seconds.



(b) With the sliding roof in fully opened position, hold the sliding roof switch in "CLOSE" position and check that the sliding roof begins to close within 60 seconds. If operation is not as specified, replace the motor.



**SLIDING ROOF CONTROL RELAY**  
**SLIDING ROOF CONTROL RELAY INSPECTION**  
**RELAY CIRCUIT**

Disconnect the connector from the relay and inspect the connector on the wire harness side as shown in the chart.

Check for	Tester connection	Condition	Specified value	
Continuity	1-5	Constant	Continuity	
	2 - Ground	Control switch position	DOWN, OPEN or CLOSE	No continuity
			UP	Continuity
	4 - Ground	Limit switch No.2 position	OFF [Roof opened]	No continuity
			ON [Roof closed]	Continuity
	7 - Ground	Control switch position	UP, DOWN or OPEN	No continuity
			CLOSE	Continuity
	8 - Ground	Control switch position	UP, DOWN or CLOSE	No continuity
			OPEN	Continuity
	9 - Ground	Control switch position	UP, OPEN or CLOSE	No continuity
DOWN			Continuity	
10 - Ground	Limit switch No.1 position	OFF [Roof tilt up or approx. 100 mm (3.94 in.) opened]	No continuity	
		ON [Except for conditions mentioned above]	Continuity	
12 - Ground	Constant	Continuity		
Voltage	6 - Ground	Ignition switch position	LOCK or ACC	No voltage
			ON	Battery positive voltage

If circuit is as specified, replace the relay.