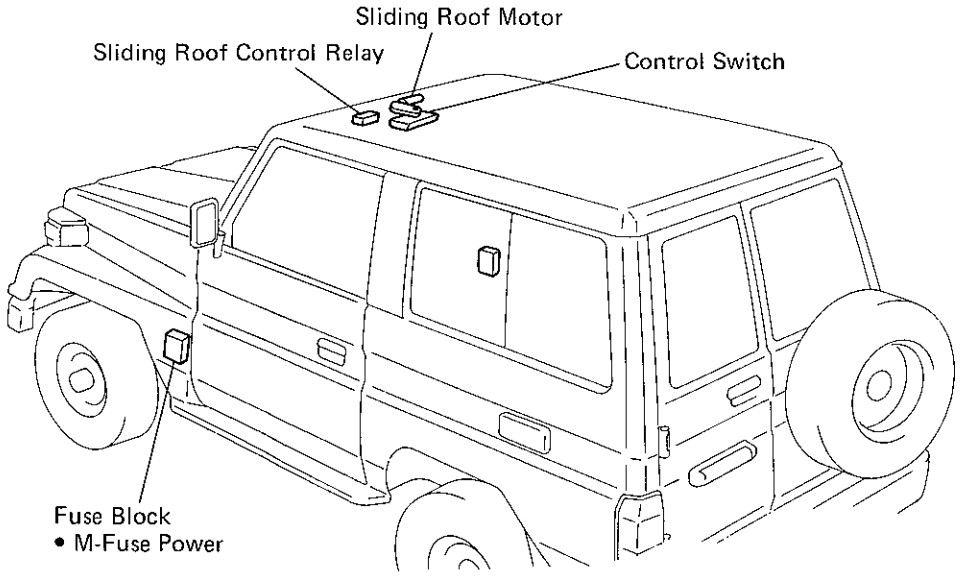
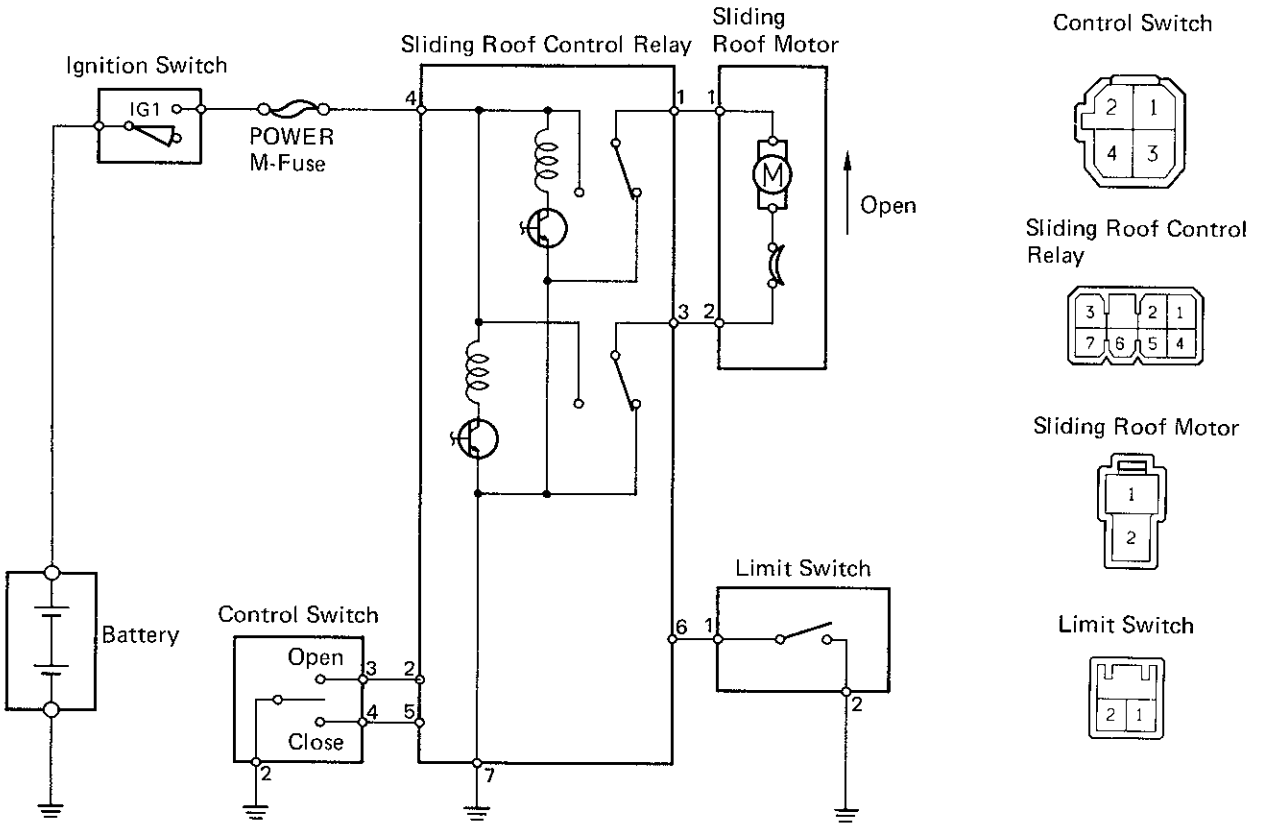
SLIDING ROOF SYSTEM

Parts Location



BE5324

Wiring and Connector Diagrams



The POWER SOURCE CIRCUIT has been simplified. For full details see pages BE-10, 11, 12.

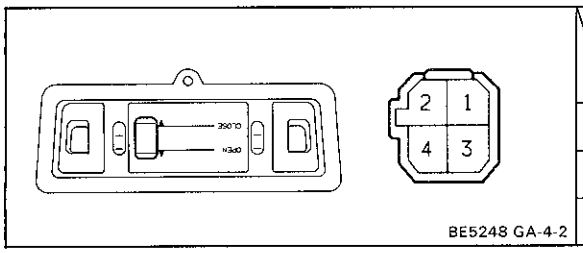
GA-4-2
G-7-2
H-2-2
BE5212 G-2-2

Troubleshooting

Problem	Possible cause	Remedy	Page
Sliding roof does not operate	Control switch faulty	Check switch	BE-88
	Limit switch faulty	Check switch	BE-88
	Sliding roof motor faulty	Check motor	BE-88
	Sliding roof control relay faulty	Check relay	BE-89
	Wiring faulty	Repair as necessary	

Parts Inspection

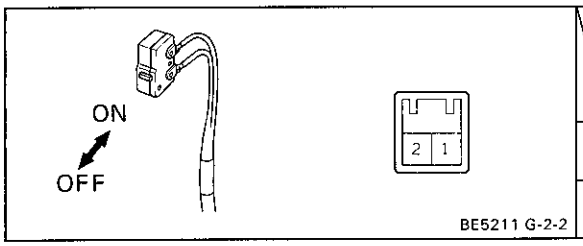
1. **INSPECT SWITCHES**
(Control Switch/Continuity)



Terminal / Switch position	2	3	4
OPEN	○	○	
OFF			
CLOSE	○		○

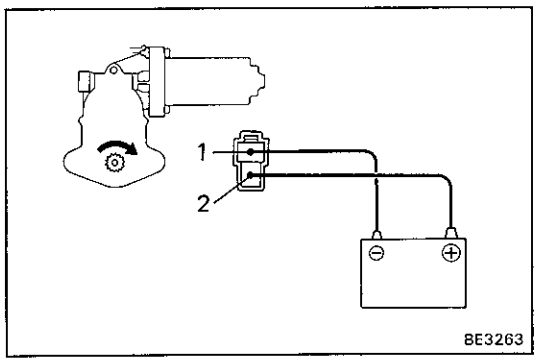
If continuity is not as specified, replace the switch.

(Limit Switch/Continuity)



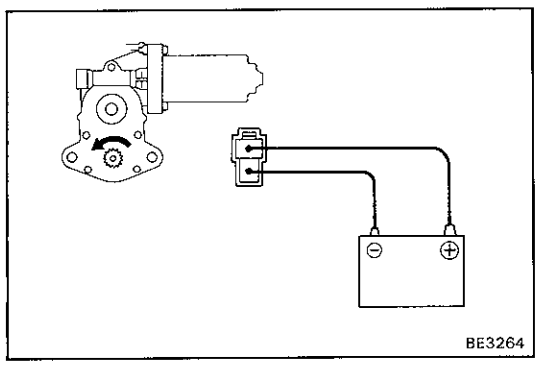
Terminal / Switch position	1	2
OFF (Switch pin released)		
ON (Switch pin pushed in)	○	○

If continuity is not as specified, replace the switch.



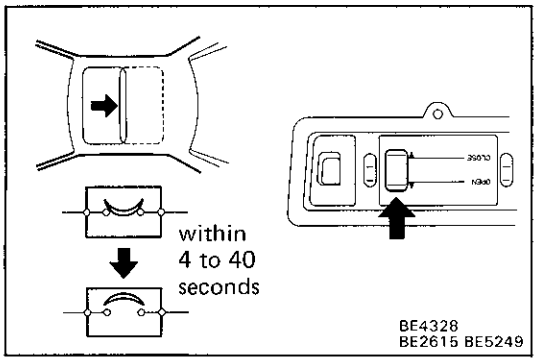
2. **INSPECT SLIDING ROOF MOTOR**
(Motor Operation)

(a) Connect the positive (+) lead from the battery to terminal 2 and the negative (—) lead to terminal 1, check that the motor turns to counterclockwise (moves to the close side).



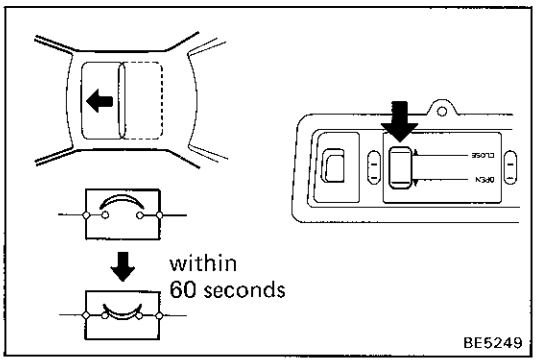
(b) Reverse the polarity, check that the motor turns to clockwise (moves to the open side).

If operation is not as specified, replace the motor.



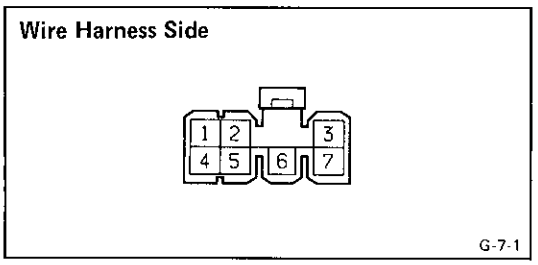
(Circuit Breaker Operation)

(a) With the sliding roof in the fully opened position, hold the sliding roof switch in "OPEN" position and check that there is a circuit breaker operation noise within 4 to 40 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.



3. INSPECT SLIDING ROOF CONTROL RELAY (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 — 3	Constant		Continuity
	2 — Ground	Control switch position	OFF or CLOSE	No continuity
			OPEN	Continuity
	5 — Ground	Control switch position	OFF or OPEN	No continuity
			CLOSE	Continuity
	6 — Ground	Limit switch position	OFF [Sliding roof approx. 100 mm (3.94 in.) opened]	No continuity
			ON [Except for conditions mentioned above]	Continuity
	7 — Ground	Constant		Continuity
Boltage	4 — Ground	Ignition switch position	LOOK or ACC	No voltage
			ON	Battery voltage

If circuit is as specified, replace the relay.