Sunroof System (1) SD816-1 HOT IN ON HOT AT ALL TIMES See Power Distribution (SD110-10) (SD110-11) JUNCTION BOX P.75/185 C.80-4 F34 20A F5 7.5A MODULE 2 29 I/P-E OVERHEAD CONSOLE PANORAMA SUNROOF SWITCH 1.25R 0.30 P.166 C.60-2 CLOSE/ TILT DOWN **OPEN** TILT 2nd 2nd Click 13 MR11 16 UP Click P.66 See Vehicle Speed System (SD436-1) (SD436-3) 1st Click 0.30 See Passenger Compartment Fuse Details (SD120-2) R06 0.3B 1.25B 0.30 0.3Y 0.3R 0.3Gr 1.25R 0.3W 0.30 __3_**R05** _10 See Ground Distribution PANORAMA SUNROOF URA (SD130-1) P.168 C.60-1 1.25B ROLLER BLIND MOTOR & SLAVE CONTROL Speed Signal Ground B+ **⋒**MR11 P.66 1.25B SUNROOF MOTOR & CONTORL

Open Swith

Ground

GM01 P.90/190

Close

Swith

2nd Click

Tilt Up

Swith

Speed Signal

B+

IG2

Sunroof System Service Tips (1)

Circuit Description

When the ignition switch is turned on, the sunroof can be tilted or slid to open it. It has a one-touch open/close function for opening or closing the sunroof with one switch operation. It also has an anti-pinch function which prevents objects from getting caught during closing.

Open/Closing by Sliding or Tilting (Panorama Sunroof)

- 1. When pull back the sunroof lever, sunroof blind is open.
- 2. Sunroof Open (Switch No. 1 & 3): Pull back the lever.
- 3. Sunroof Close (Switch No. 1 & 4): Press the lever forward or down.
- 4. Sunroof Auto Open (Switch No. 1, 3, & 6): Pull back the lever to second click. To stop in the middle of opening, slightly push the lever or pull it.
- 5. Sunroof Auto Close (Switch No. 1, 4 & 6): Press forward the lever to second strong click to automatically close the sunroof. To stop in the middle of closing, slightly press the lever or pull it.
- 6. Sunroof Tilt Up (Switch No. 1 & 5): When the lever is pulled up while the sunroof is completely closed, the rear side of the sunroof is raised to open.
- 7. Sunroof Tilt Down (Switch No. 1 & 4): Press forward or down the lever to close the sunroof.

• Panorama Sunroof Switch Inspection

Check the continuity between terminals from each switch position as shown in the table below and renew it if it doesn't have continuity.

Terminal Position	1	3	4	5	6	
Open (1st click)	\bigcirc	-0				
Open (2nd click)	<u> </u>	- 0-				
Tilt up	0			_		
Tilt down	0					
Close (1st click)	<u> </u>					
Close (2nd click)	0		- 0-		-0	

• Panorama Sunroof Motor Inspection

Separate the sunroof connector and ground the terminal as shown in the following table to check if it is operating normally.

Terminal Position	3	5	10	4	9
Open (1st click)	\oplus	\ominus			
Open (2nd click)	\oplus	\ominus			\bigcirc
Tilt up	\oplus			\ominus	
Tilt down	\oplus		\ominus		
Close (1st click)	\oplus		\ominus		
Close (2nd click)	\oplus		\ominus	0	Θ

Ground the terminals as below table, and check that the roller blind motor operates normally.

Terminal Position	6	1
Motor	\oplus	Θ

Resetting The Sunroof

Whenever the vehicle battery is disconnected or discharged, or related fuse is blown, you must reset your sunroof system as follows:

- 1. Turn the ignition switch to the ON position and close the sunroof glass and sunshade completely.
- 2. Release the control lever.
- 3. Push the sunroof control lever forward in the direction of close (about 10 seconds) until the sunroof is moved a little. Then, release the lever.
- Push the sunroof control lever forward in the direction of close until the sunroof operates as follows;

SUNSHADE OPEN ightarrow TILT OPEN ightarrow SLIDE OPEN ightarrow SLIDE CLOSE ightarrow SUNSHADE CLOSE

Then, release the control lever. When this is complete, the sunroof system is reset.