7340-00

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SUNROOF SYSTEM

GENERAL INFORMATION

1. SPECIFICATIONS

Item	Specification	Details
Operating voltage	9 ~ 16 V	
Stand by current	Max. 125 mA	IGN ON
Clarid by Garron	Max. 3 mA	Sleep mode
Load current	6 A	Normal operation
Loud our on	25 A	Max. load current
Operating temperature −30 ~ 85 °C		
Storage temperature	-40 ~ 90°C	
	Open, close: max. 9 sec	
Operating time	Open, close: max. 15 sec	-20°C
operating time	Tilt: max. 1.5 sec	
	Tilt: max. 4 sec	-20°C
	1st step sliding open: 326 \pm 5 mm	
Glass open level	2nd step sliding open: 376 \pm 5 mm	
	Tilt up $\&$ open: 43.5 \pm 3 mm	
Glass thickness	4 ± 0.2 mm	
Displacement	Displacement 2L / min	

Modification basis	
Application basis	
Affected VIN	

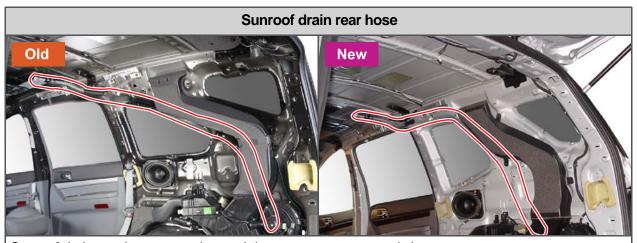
2. CAUTIONS WHEN WORKING

- Wear clean work clothes and gloves.
- Any unauthorized modification or operational test is not allowed since the sunroof motor and control unit are preset at the factory.
- Pay attention not to drop the sunroof assembly when removing it and do not keep it right up.

3. CAUTIONS FOR OPERATION

- Even though the sunroof can be operated when the engine is not running, operating the sunroof repeatedly with the engine turned off will run down the battery. Operate the sunroof while the engine is running.
- When the sunroof operation is completed, release the switch. Keeping pressing the switch can result in malfunction.
- Especially in winter, never operate the sunroof if operation areas are iced. Wait until melted.
- To prevent a theft, make sure that the sunroof is completely closed when leaving the vehicle. In addition, rain or snow can get into the vehicle through the open sunroof.
- When the sunroof is fully open, wind buffeting symptom can be worse. In this case, try to adjust the sunroof position manually or open the sunroof until the wind buffeting is disappeared
- Parts of the body can be trapped in the sunroof and can be struck by passing objects. Do not stick hands, head or anything else out of the openings.
- Remove any dirt and foreign material stuck on the edge of the sunroof glass periodically.

4. MAJOR CHANGES



Sunroof drain rear hose route changed due to rear quarter panel change

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OVERVIEW AND OPERATING PROCESS

1. OVERVIEW

The sunroof is fitted to the roof panel. It consists of the sunroof switch, sunroof control unit, sunroof motor, sunroof glass and drain hose.

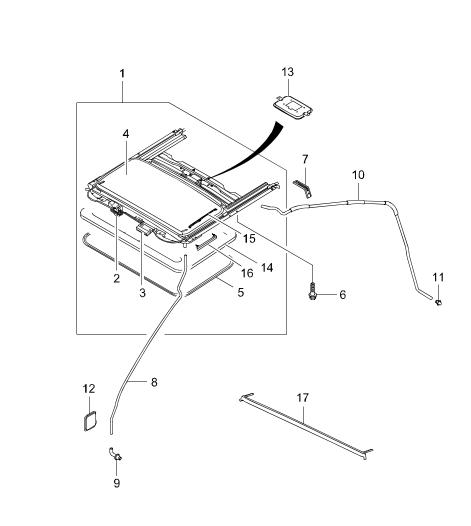
The sunroof motor is operated by the sunroof control unit according to the operating signal from the sunroof switch, which results in opening and closing of the sunroof glass.

2. LAYOUT



Modification basis	
Application basis	
Affected VIN	

3. COMPONENTS OF SUNROOF



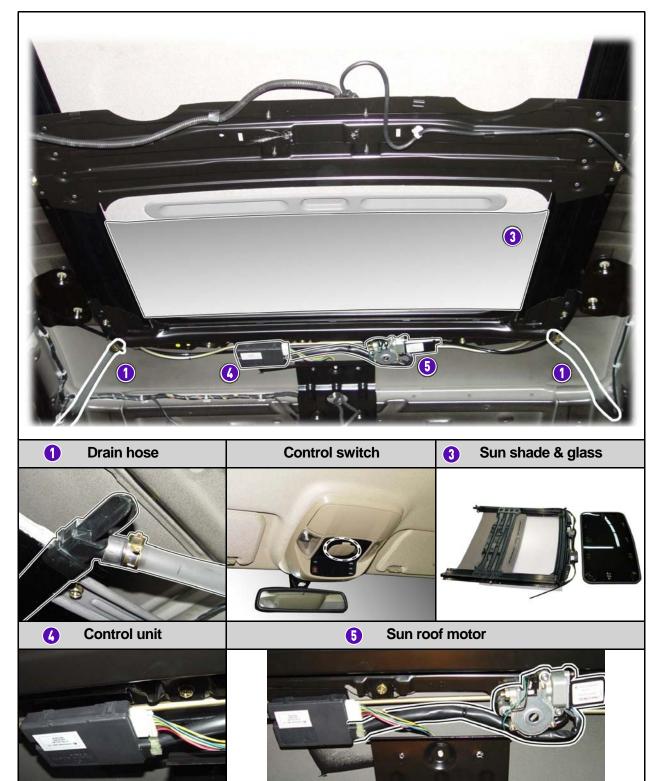
- 1. Sunroof assy
- 2. Motor assy-sunroof
- 3. Unit-control sunroof
- 4. Glass assy-sunroof
- 5. Welt-sunroof
- 6. Screw
- 7. BRKT-sunroof SUPT
- 8. Hose-sunroof drain FRT
- 9. Grommet-sunroof drain hose FRT

- 10. Hose-sunroof drain RR
- 11.Grommet-sunroof drain hose RR
- 12. Cover-sunroof tooling hole
- 14.PNL ASSY-sunroof sunshade
- 15.Cover-side INR
- 16.Cover-side OTR
- 17.Wind deflector ASSY-sunroof

SUNROOF

Modification basis **RODIUS 2013.02** Application basis Affected VIN

4. COMPONENTS AND LOCATIONS



Modification basis	
Application basis	
Affected VIN	

5. SUNROOF OPERATION

1) Tilting



Push the front side of the button when the glass is closed then, motor actuate the operating cable to lift up the glass.

Push the rear side of the button to put down the glass.





Motor actuates the operating cable





Mechanical equipment lifts up & down the glass

SUNROOF RODIUS 2013.02

Modification basis	
Application basis	
Affected VIN	

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2) Sliding



push the rear side of the button to slide the door back.





Motor actuates the operating cable

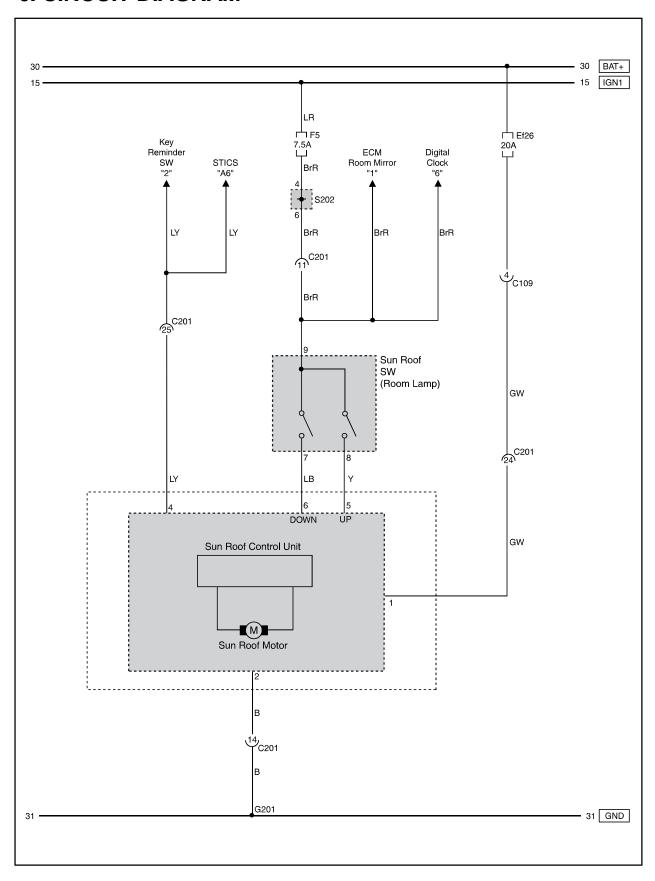




Mechanical equipment slides the glass back and forth

Modification basis	
Application basis	
Affected VIN	

6. CIRCUIT DIAGRAM



SUNROOF RODIUS 2013.02

Modification basis	
Application basis	
Affected VIN	