

5. SEAT HEATING AND VENTILATION SWITCH

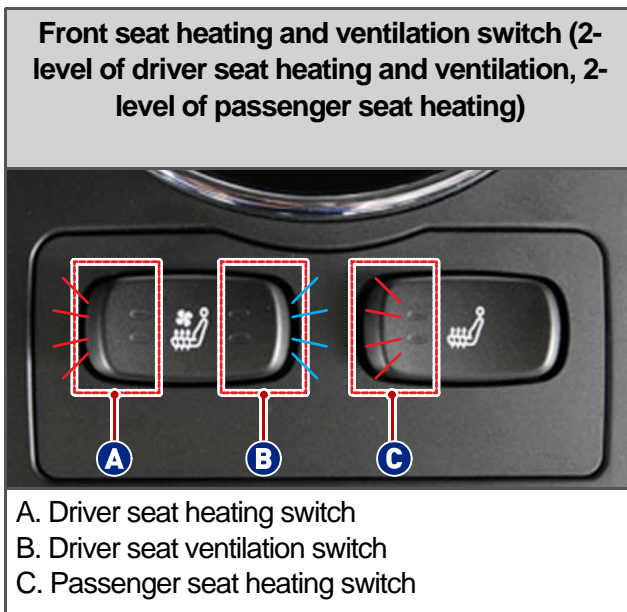
- Front seat heating & ventilation switch (2-level of driver seat heating and ventilation, 2-level of passenger seat heating)
- Front seat & rear seat heating (Driver and passenger seats: LO↔HI, rear seats: ON↔OFF)

► Seat heating and ventilation unit & switch application

●: New, ○: Already used, -: N/A

Item	Heating and ventilation specification	Heating specification
Heating and ventilation unit	●	-
Heating and ventilation switch	●	-
Heating switch	-	○
How to operate	Driver: heating and ventilation (two-step) Passenger: heating (two-step)	Driver: heating (LO↔HI) Passenger: heating (LO↔HI)

1) Front Seat Heating and Ventilation Switch Overview (2-level of Driver Seat Heating and Ventilation, 2-level of Passenger Seat Heating)



The temperature of the seat can be adjusted in 3 levels (Level 2 → Level 1 → OFF) with the seat heated wire and ventilation switch. Every time the seat heating and ventilation switch is pressed, the temperature level goes down by one level. Pressing the switch a third time will turn off the operation. Pressing the desired side of the switch heats the seat cushion and seatback or activates the seat ventilation function. The temperature of the seat is kept uniform by cutting off or connecting power through thermistor fitted in the seat. The seat heating and ventilation unit controls the rpm of the motor using PWM control to operate the seat ventilation.

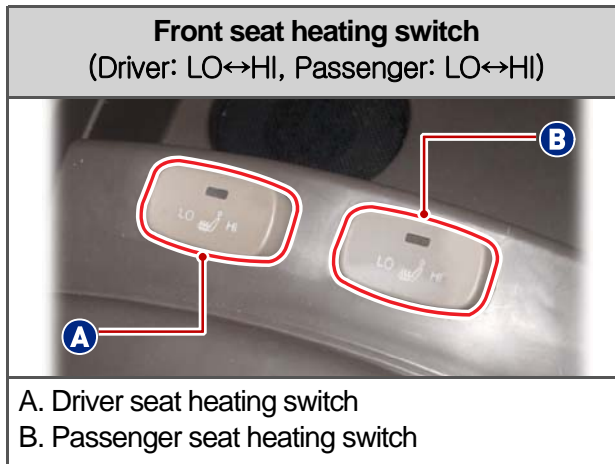
NOTE

- The front seat heating and ventilation functions cannot be operated at the same time.
- The front seat heating and ventilation switch functions only when the engine is started.

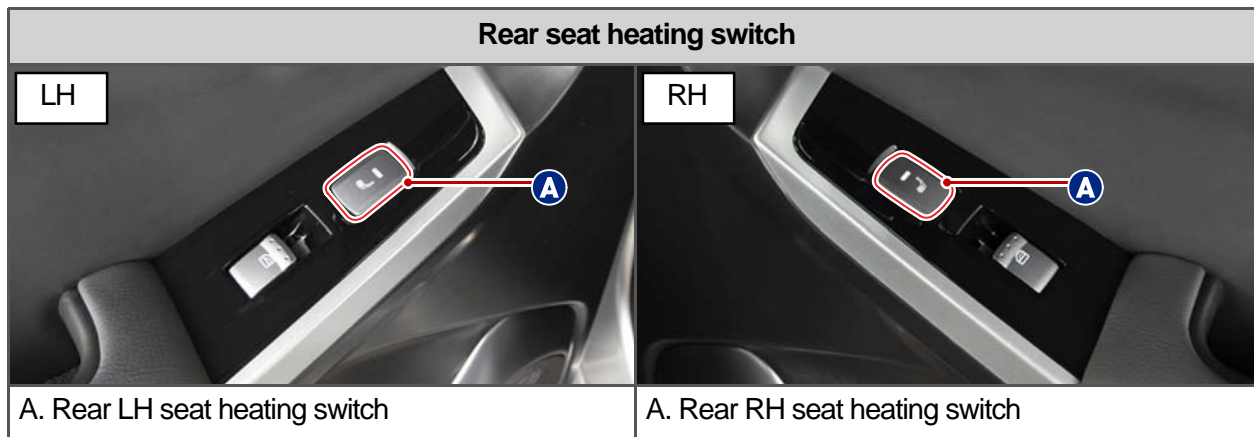
Modification basis	
Application basis	
Affected VIN	

2) Front Seat & Rear Seat Heating Switch Overview

(Driver and Passenger Seats: LO↔HI, Rear Seats: ON↔OFF)



The front seat heating switch can be operated to the desired temperature (LO/HI) by pressing the front seat heating switch. Press the "HI (High temperature)" or "LO (Low temperature)" on the seat heating switch to heat the seat and seatback. When the temperature reaches $40 \pm 5^\circ\text{C}$, the thermistor integrated in seat connects and cuts the power to keep the temperature stable. There is no separate seat warmer unit to control the temperature of the seat heating system.



NOTE

- The front seat and rear seat heating switches operates with IGN ON.
- The seat heating and ventilation unit is not fitted in a vehicle without seat ventilation function.

Modification basis	
Application basis	
Affected VIN	

6. OVERHEAD CONSOLE SWITCH

- The front room lamp is controlled by the BCM.
- The front room lamp comes on when opening the driver or passenger door. (door coupled operation switch ON)
- When closing the driver or passenger door, the front room lamp comes on for 2 seconds and then dims down for 3 seconds. (door coupled operation switch ON)
- The front room lamp turns on/off depending on the operation of the front room lamp ON/OFF switch (spot switch).



Overhead console switch	
<p>A Front room lamp switch</p> <p>B Door coupled operation switch</p> <p>C Sunroof switch</p>	<p>A Front room lamp connector</p> <p>B Sunroof connector</p>

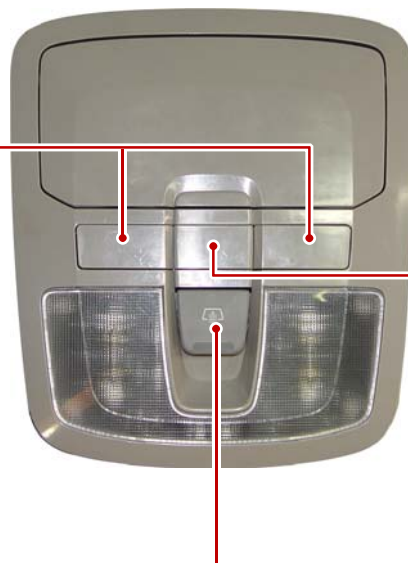
Modification basis	
Application basis	
Affected VIN	

Front room lamp switch

The driver/passenger room lamps turn on when pressing in these switches.

Door coupled operation switch

The front room lamp and center room lamp come on when opening a door with this switch pressed in.

**Sunroof switch**

► **Push up the switch briefly: 2-step auto sliding open**

When pushing up the switch briefly, the sunroof is automatically opened. Opening is carried out in 2 steps. In first step, the area 5 cm behind the sunroof is not opened. Push up the switch once again in order to open the sunroof completely. The sunroof operation stops if you operate the switch during its operation.

► **Push up and hold the switch: manual sliding open**

The sunroof is opened as long as pushing up the switch.

► **Pull down the switch briefly: auto sliding close**

When pulling down the switch briefly, the sunroof is automatically closed. To stop the closing sunroof, operate the switch to either direction.

► **Pull down and hold the switch: manual sliding close**

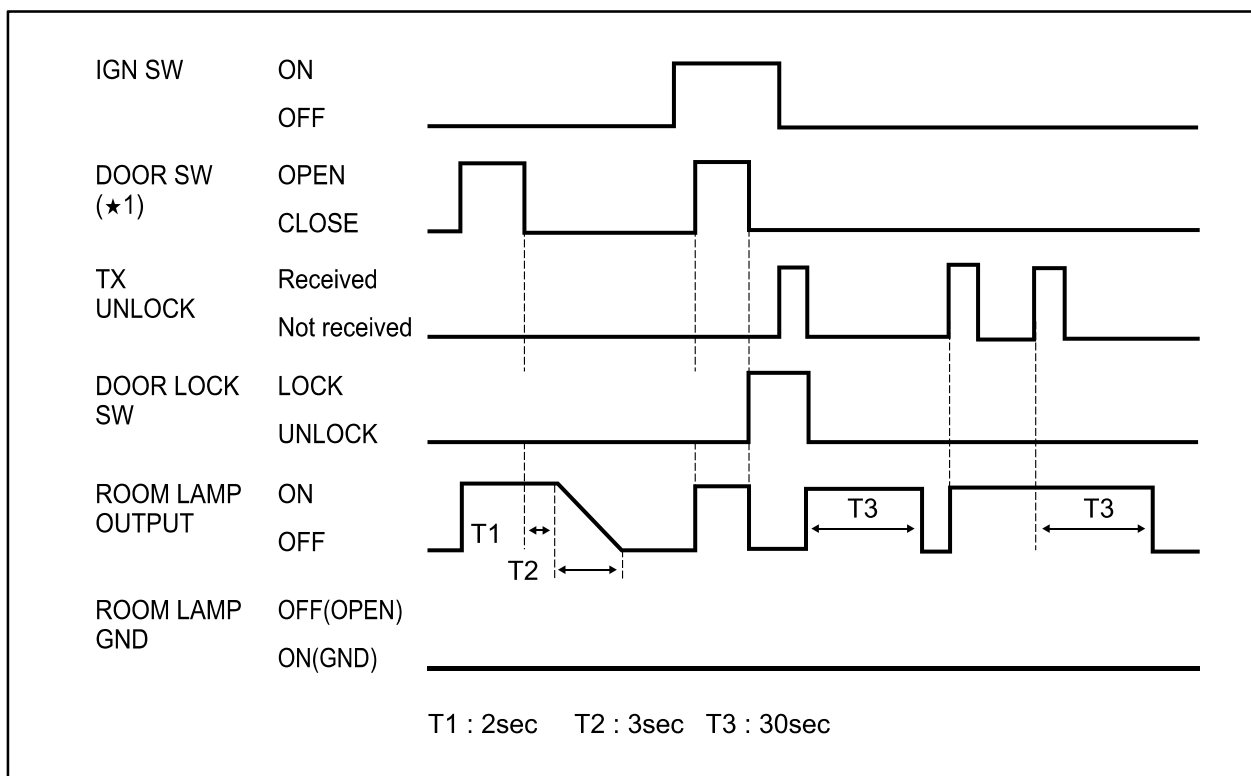
The sunroof is closed as long as pulling down the switch.

Modification basis	
Application basis	
Affected VIN	

► Door coupled room lamp operation and dimming control

When opening any of doors while the room lamp switch in overhead console is pressed in ("Door" coupled position), the front and center room lamps come on. If the key is removed and door stays open, the room lamps automatically goes off after 10 minutes. The sleep mode will be deactivated when the door is locked or closed with the lamp OFF automatically.

1. When closing the door with IGN ON, the room lamps go off immediately.
2. When closing the door with IGN OFF, the room lamps stay on for 2 seconds more and are dimmed out the side fascia panel.
3. When turning the ignition switch to ON position during dimming out operation, the room lamps go off immediately.
4. When receiving the door unlock signal with IGN OFF, key removed and door closed, the overhead console room lamp/center room lamp come on for 30 seconds.
For specification with the SKM, the lamps come on by the REKES unlock or passive unlock signal.
5. When receiving the door unlock signal again while the lamps stay on by the REKES or passive unlock signal, the overhead console/center room lamps stays on for 30 seconds more. (the lamps stay on when receiving door unlock signal)
6. When opening a door during the coupled operation and dimming operation, the room lamps stays ON. When closing it again, the lamps stay on for 2 seconds more and are dimmed out for 3 seconds.
7. While the room lamps dim out when the driver/passenger/rear doors are open and closed, they go off immediately when entering into the theft deterrent mode.
8. The room lamps come on when AUTO approach signal is received.



Modification basis	
Application basis	
Affected VIN	

ELECTRO NIC
FUSE
BCM
SKM
INSTRUMENT
SWITCH
LAMP
WIPER AND
PAS
AUDIO SYSTEM