

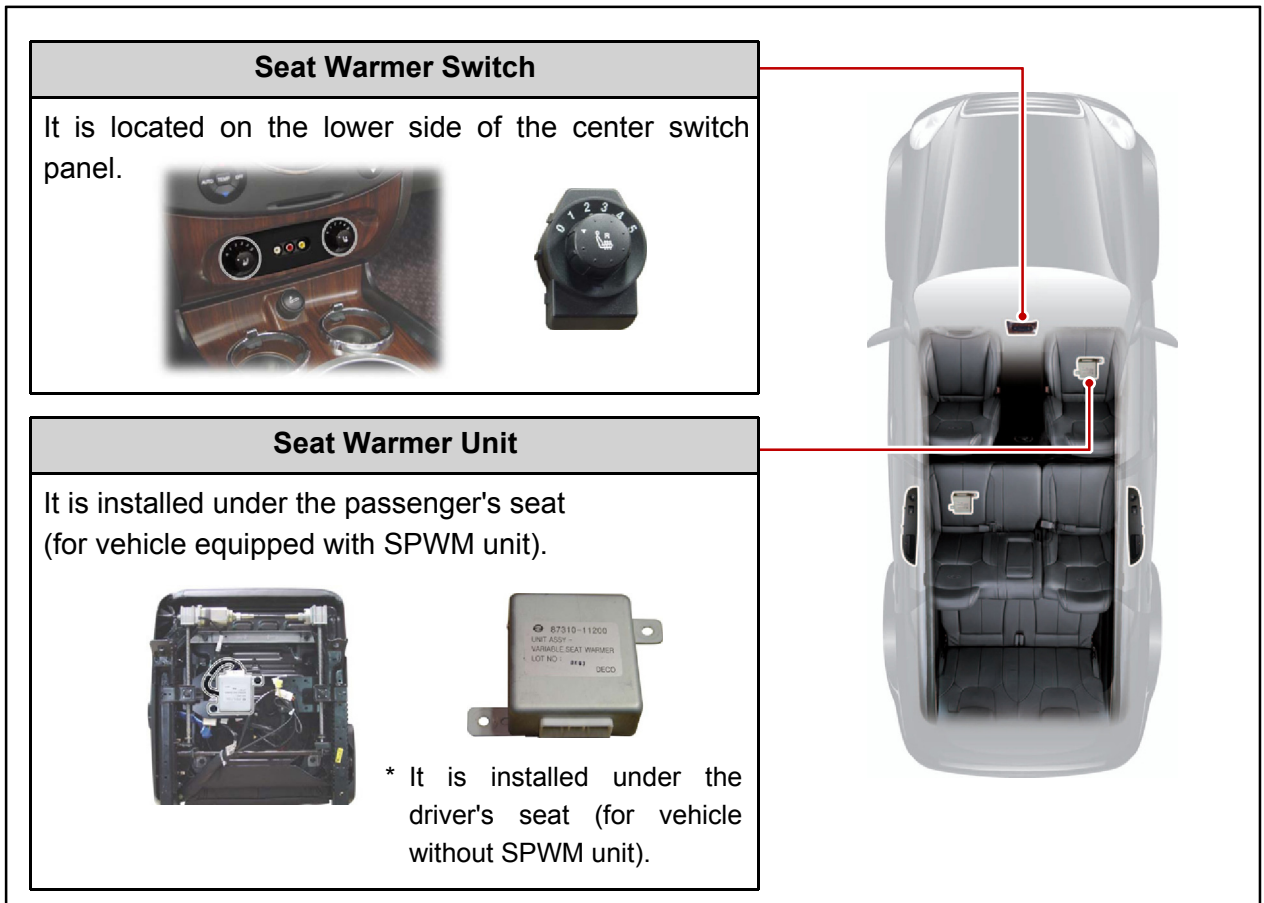
SEAT WARMER

8511-17

OVERVIEW AND OPERATION PROCES

1. LOCATION

The variable seat warmer system controls the temperature in 5 levels.



Modification basis	
Application basis	
Affected VIN	

SEAT WARMER

undefined

FUSE &
RELAYS

RCKSTICS

IMMOBIL
IZERCLUSTE
R

SPWM

SEAT
WARMER

SWITCH

WIPER &
WASHERRAIN
SENSOR

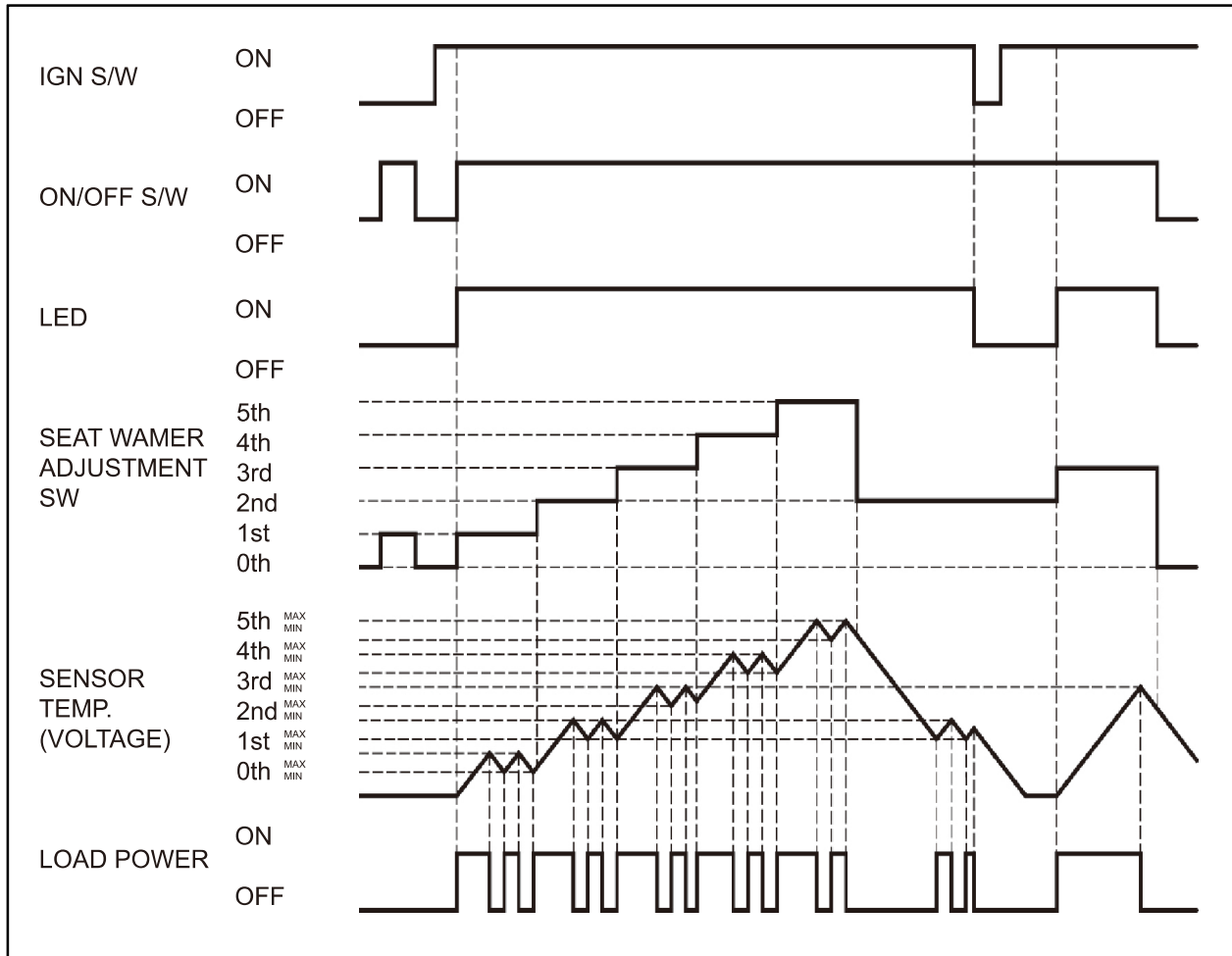
LAMP

MULTI
JACKPARKING
AIDAV
SYSTEM

2. OPERATING CHARACTERISTICS

The variable seat warmer system operates when the ignition is ON. The unit heats the seat in each level according to the resistance based on each switch operation.

1) Operation Characteristics



2) Temperature and sensor output value in each switch level

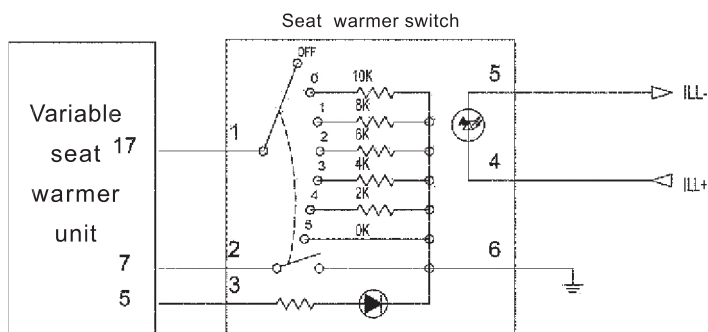
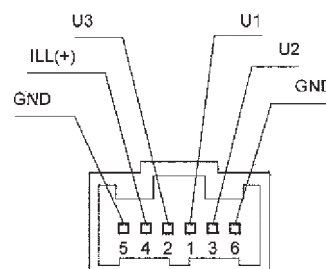
	Seat warmer temp. (°C)		Sensor output resistance (W)		Sensor output value (V)	
	MIN	MAX	MIN	MAX	MIN	MAX
0th	-	-	-	-	-	-
1st	39	41	5419	4982	2.01	1.91
2nd	46	48	4050	3734	1.76	1.66
3rd	54	56	2938	2717	1.53	1.44
4th	61	63	2240	2077	1.32	1.24
5th	69	71	1661	1544	1.14	1.07

Modification basis	
Application basis	
Affected VIN	

3. FUNCTION AND DESCRIPTION



The seat warmer switch is the rotary type variable switch. The seat cushion and the seatback is heated by operating the switch and the temperature of the seat can be adjusted in five levels.



* Resistance tolerance for each switch position: $\pm 5\%$

STEP	1	6	2	3	4	5
	U1	GND	U3	U2	ILL(+)	GND
0	—	o			—	—
1	—	—	—	—	—	—
2	—	—	—	—	—	—
3	—	—	—	—	—	—
4	—	—	—	—	—	—
5	—	—	—	—	—	—

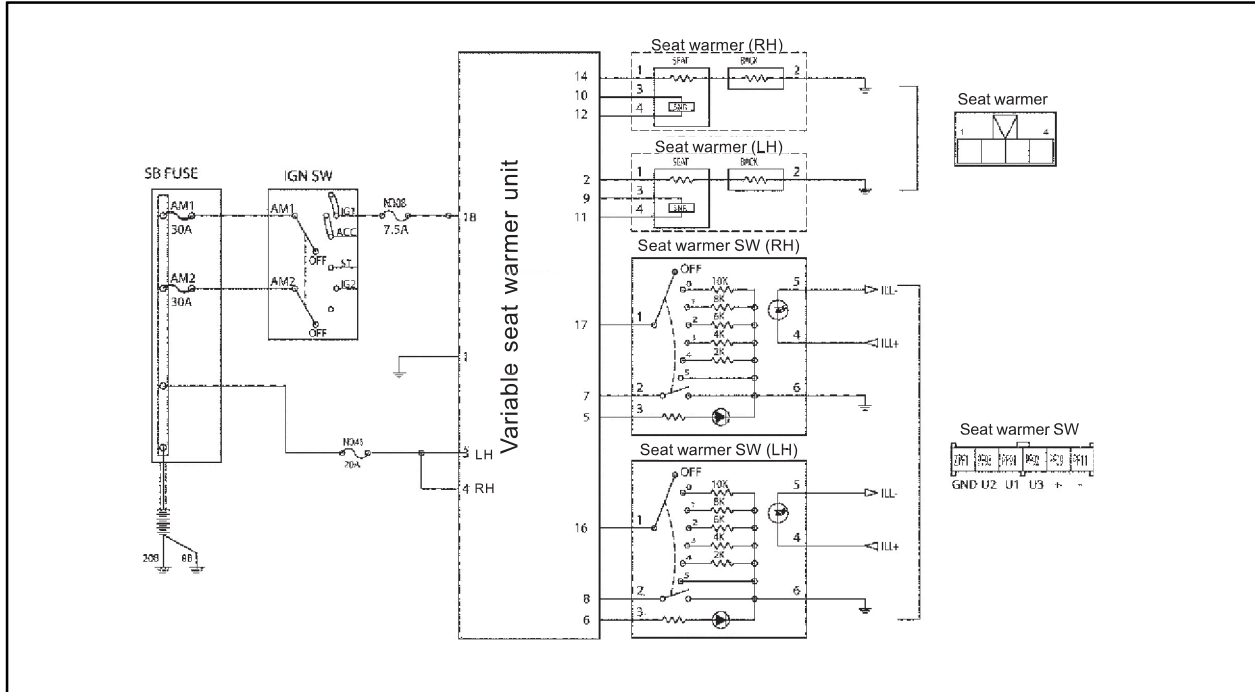
CAUTION

The temperature of the seat surface should be risen to over 20°C within 3 minutes while sitting on the seat (driver's height: 175 ± 5 cm, driver's weight: 75 ± 5 kg) when operating the seat warmer switch.

Modification basis	
Application basis	
Affected VIN	

4. CIRCUIT DIAGRAM

The variable seat warmer unit is supplied the ignition power and the battery power without its own relay.



Modification basis	
Application basis	
Affected VIN	