

Component Procedures: Seat Fan

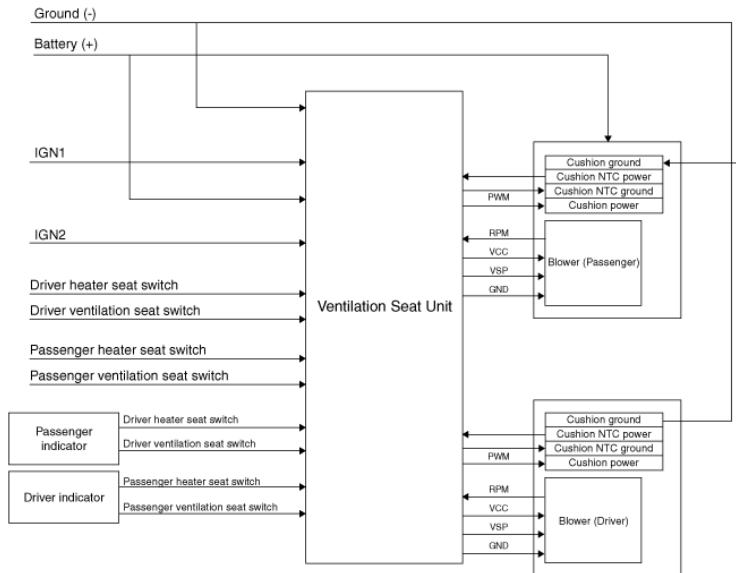
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Component Procedures: Seat Fan

Air Ventilation Seat - Schematic Diagrams (Article 44569)

- Circuit Diagram

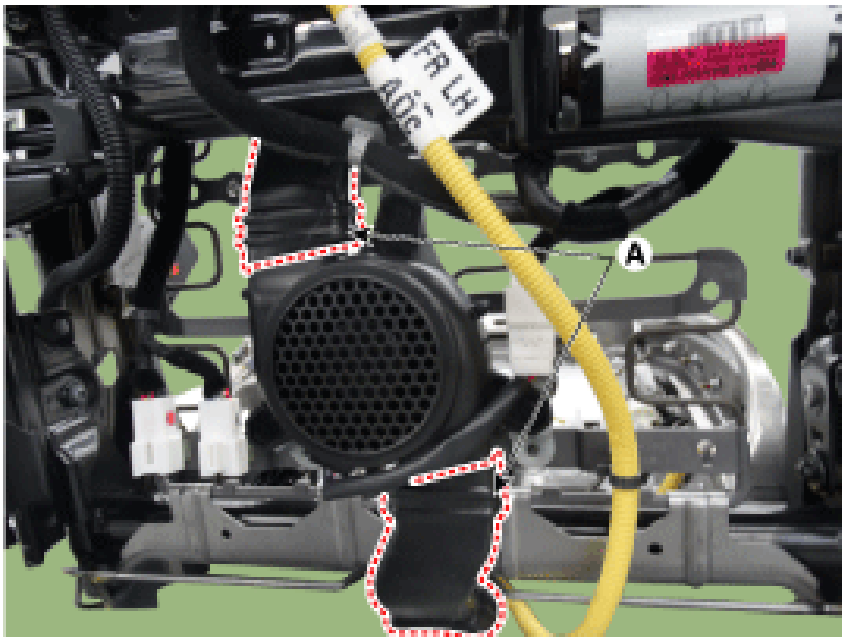


Air Ventilation Seat - Repair Procedures (Article 44570)

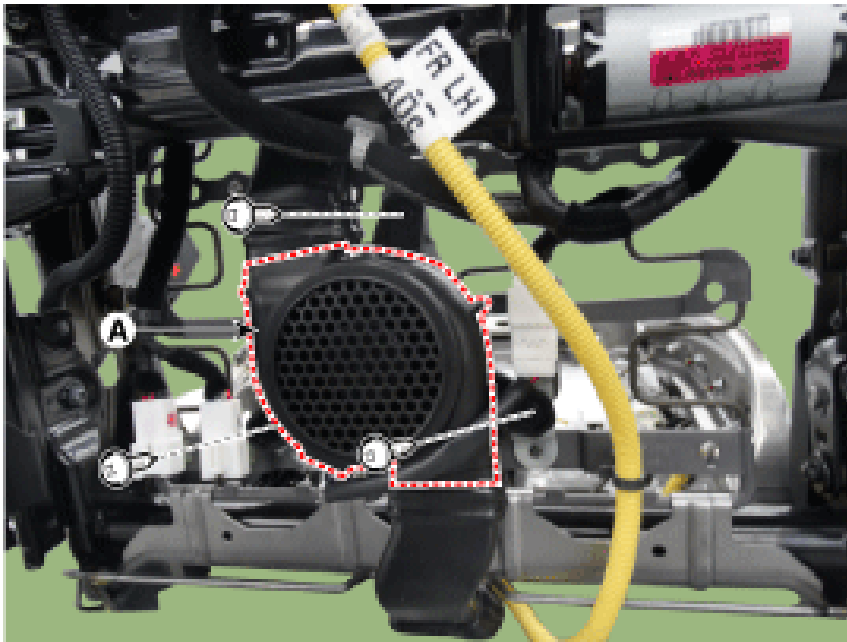
- Removal

[Ventilation Blower]

- Disconnect the negative (-) battery terminal.
- Remove the front seat. (Refer to Body - "Front Seat Assembly")
- Remove the blower duct.



- Remove the blower FAN (A) after removing the screws.

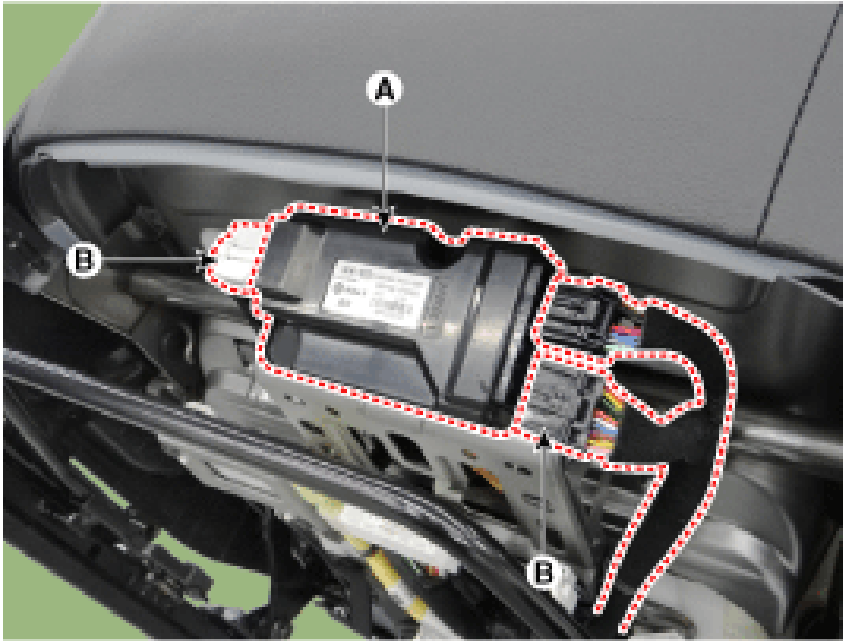


[Ventilation Seat Unit]

- Remove the front seat. (Refer to Body - "Front seat Assembly")
- Loosening the screws from the ventilation seat unit.



- Remove the ventilation seat unit (A) after disconnect the connectors (B).

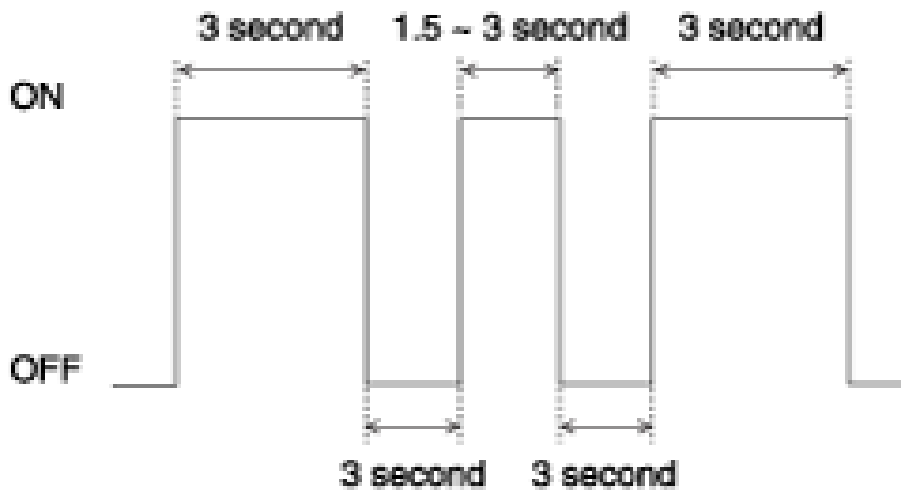


- Installation
- Install the blower fan.
- Install the duct.
- Install the front seat assembly.
- Connect the negative (-) battery terminal.
- Install the ventilation seat unit.

- Inspection

Diagnosis mode

- You can enter the diagnosis mode by turning the heater seat button on.
- You can enter the diagnosis mode by referring to following description.
- Press the heating wire switch as shown below. Press and hold the heating wire switch for 3 seconds or more. Release the switch for 3 seconds or less and press and hold it again for 1.5 - 3 seconds. Release the switch for 3 seconds or less and press and hold it again for 3 seconds or more.
- Press and hold the heating wire switch for 3 seconds or more.
- Release the switch for 3 seconds or less and press and hold it again for 1.5 - 3 seconds.
- Release the switch for 3 seconds or less and press and hold it again for 3 seconds or more.

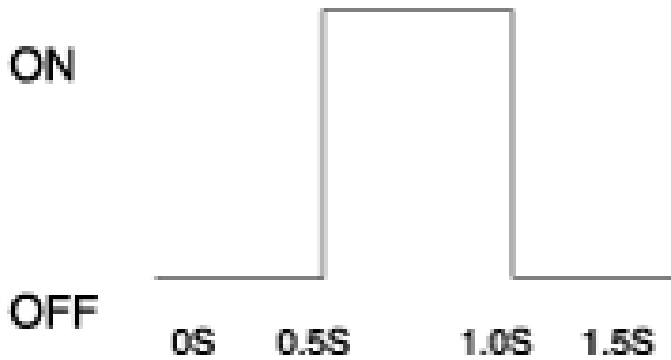


- When the vehicle enters the diagnostic mode, the three LEDs (Low, Mid, High) in the heating wire section blinks once for 0.5 seconds. When the vehicle enters the self-diagnostic mode, LEDs only work as those for

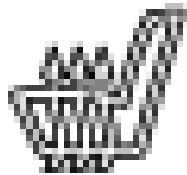
heating wire seat switches. When two or more errors are detected, the LEDs sequentially blink at a 2-second interval for each error code.

- When the vehicle enters the self-diagnostic mode, LEDs only work as those for heating wire seat switches.

- When two or more errors are detected, the LEDs sequentially blink at a 2-second interval for each error code.

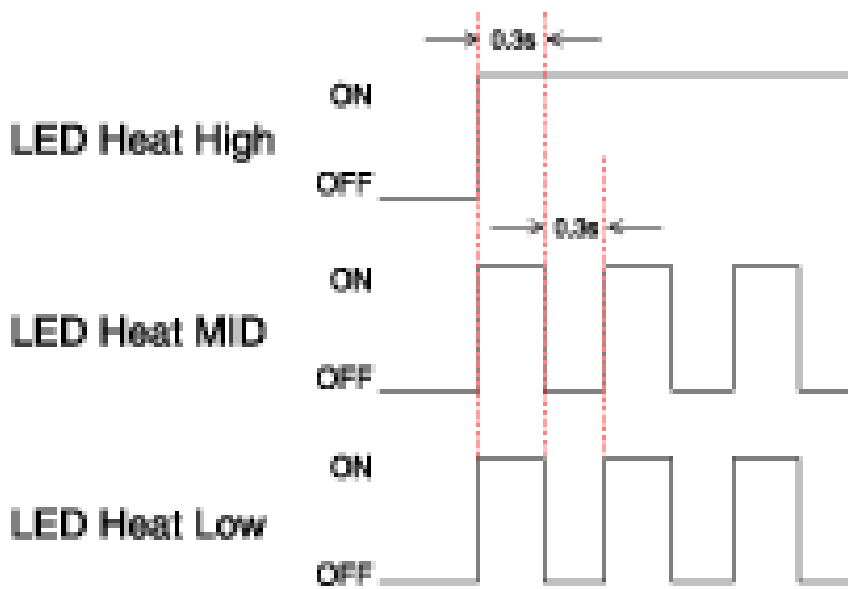


- After entering the diagnostic mode, check the LED status to identify the error. Failure Indicator LED (Flashing) Inspection Items Detailed Inspections Low voltage detection Low voltage that deviates from the operating voltage range was supplied. Over voltage detection Overvoltage that deviates from the operating voltage range was supplied. Fuse (Short) B+ fuse disconnection IGN2 fuse disconnection NTC/HEATER MAT (Short) NTC element failure Heater mat disconnection Heater+ wiring disconnection Heater system NTC disconnection (4.9 V or higher) NTC/HEATER MAT (Disconnect) Short-circuit between the controller connector terminal and NTC Short-circuit between the controller connector terminal and heater Short-circuit in the heater system NTC wiring Short-circuit in the heater system heater+ wiring Target temperature not reached Target temperature not reached within 40 minutes Short circuit of Ventilation blower power line Short circuit of ventilation blower power line (short) Power disconnection of ventilation blower Disconnection or missing connector of ventilation power line Short circuit of ventilation blower speed signal Short circuit of ventilation blower speed signal (short) Disconnection or missing connector of ventilation blower speed signal Disconnection or missing connector of ventilation blower speed signal (VCC) Disconnection or missing connector of ventilation blower speed signal (GND) Short circuit of ventilation blower RPM signal (short) Short circuit of ventilation blower RPM signal (short) Disconnection or missing connector of ventilation blower RPM signal Disconnection or missing connector of ventilation blower RPM signal (GND) Disconnection or missing connector of ventilation blower RPM signal (GND)



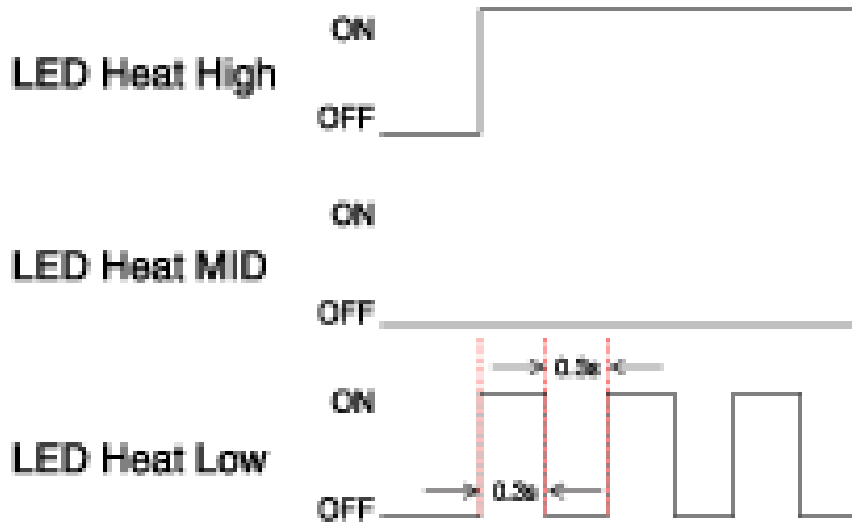
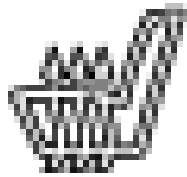
Failure Indicator LED (Flashing) Inspection Items Detailed Inspections

Low voltage detection Low voltage that deviates from the operating voltage range was supplied.

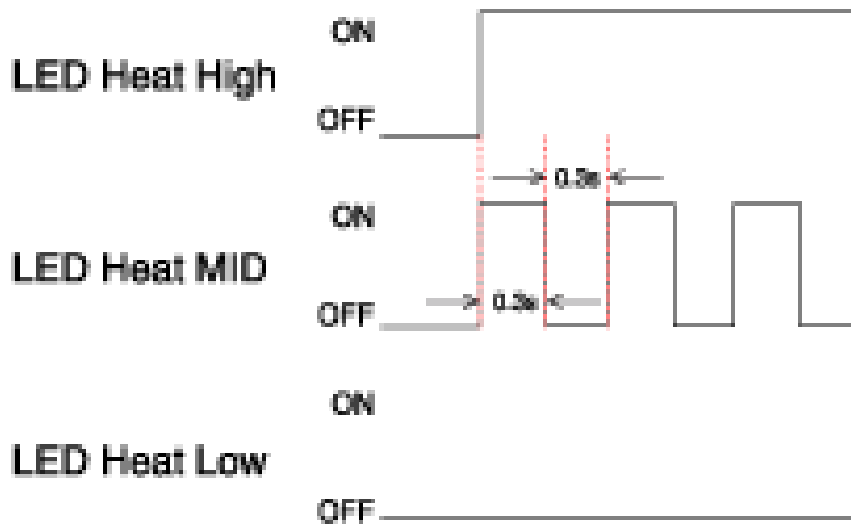
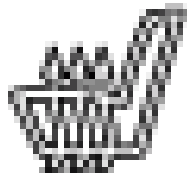


Over voltage detection Overvoltage that deviates from the operating voltage range was supplied.

Fuse (Short) B+ fuse disconnection

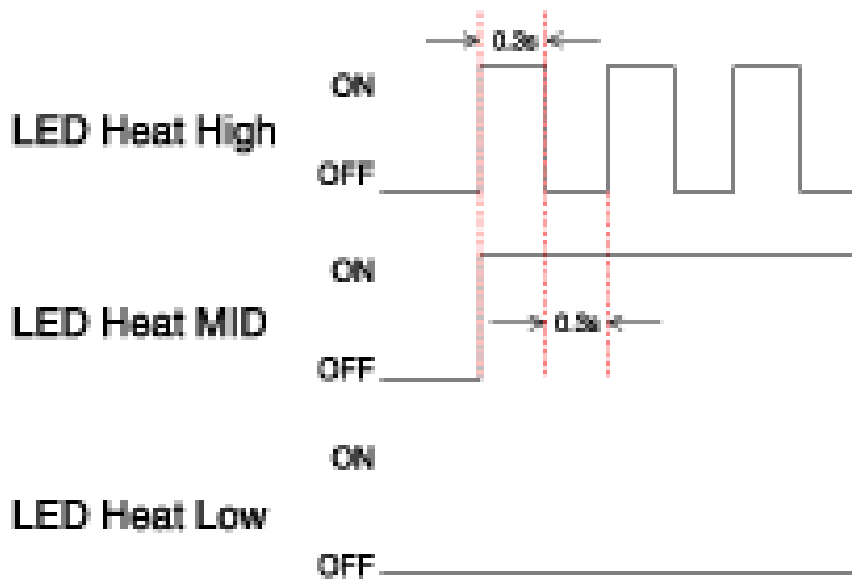


IGN2 fuse disconnection
 NTC/HEATER MAT (Short) NTC element failure Heater mat disconnection Heater+ wiring disconnection Heater system
 NTC disconnection (4.9 V or higher)

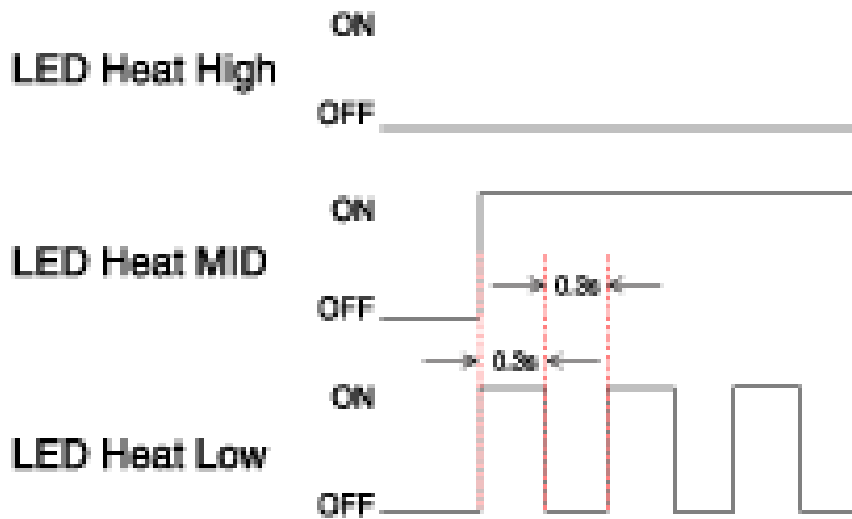


- NTC element failure
- Heater mat disconnection
- Heater+ wiring disconnection
- Heater system NTC disconnection (4.9 V or higher)

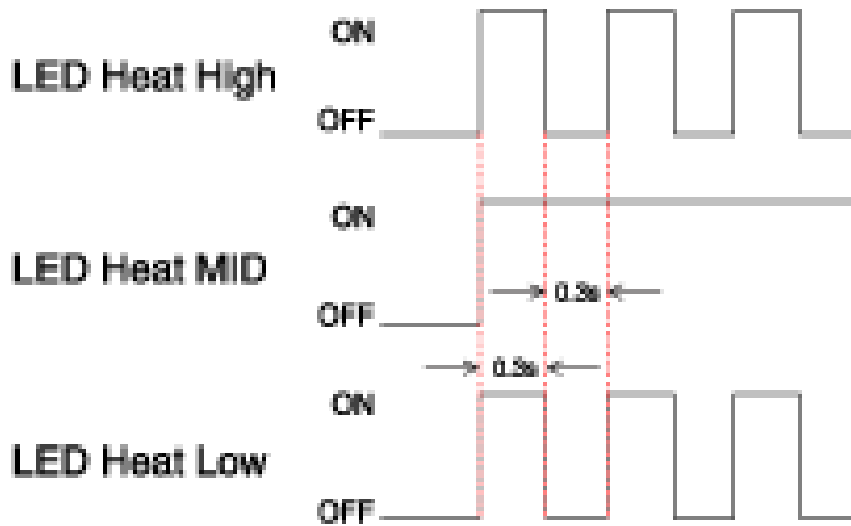
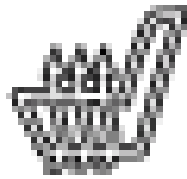
NTC/HEATER MAT (Disconnecter) Short-circuit between the controller connector terminal and NTC Short-circuit between the controller connector terminal and heater Short-circuit in the heater system NTC wiring Short-circuit in the heater system heater+ wiring



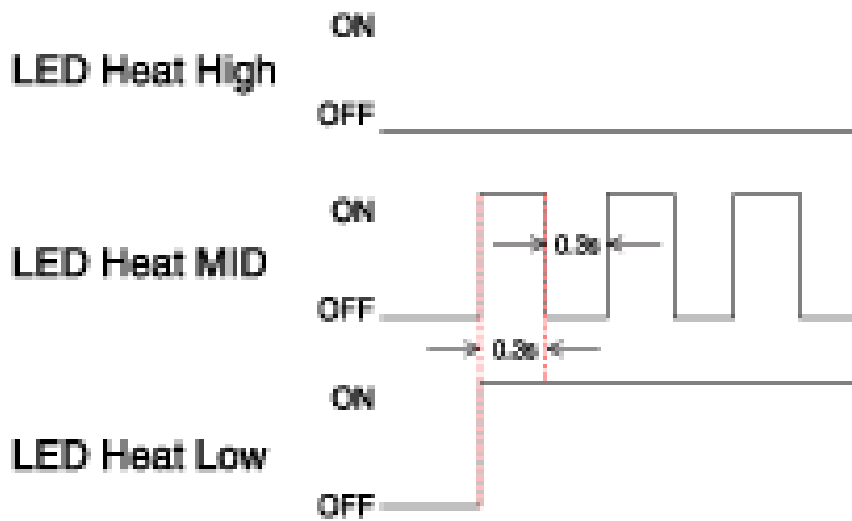
- Short-circuit between the controller connector terminal and NTC
 - Short-circuit between the controller connector terminal and heater
 - Short-circuit in the heater system NTC wiring
 - Short-circuit in the heater system heater+ wiring
- Target temperature not reached Target temperature not reached within 40 minutes



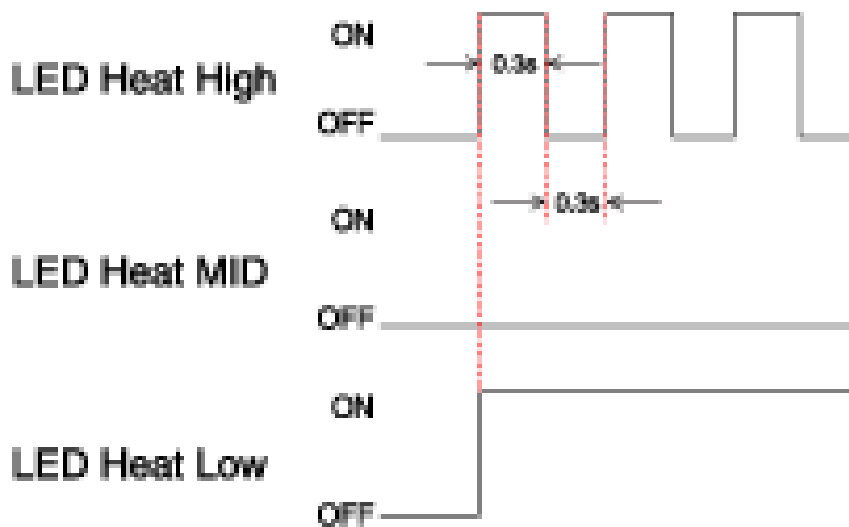
Short circuit of Ventilation blower power line Short circuit of ventilation blower power line (short)



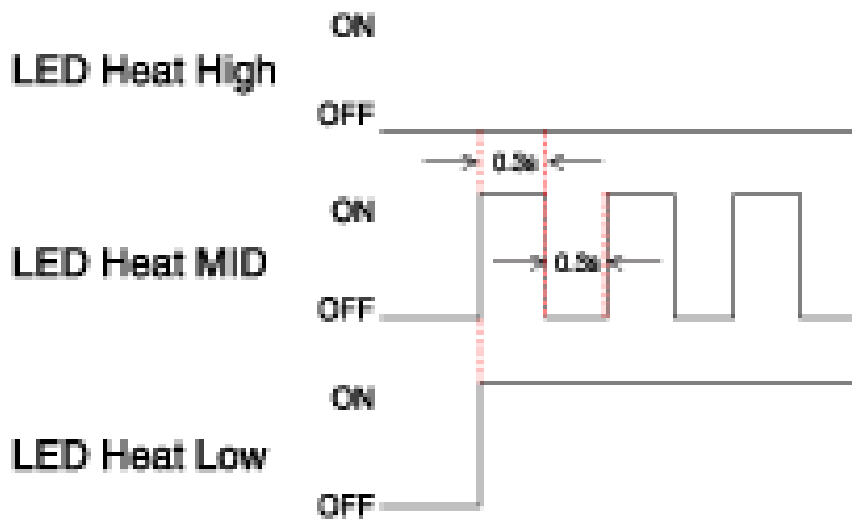
Power disconnection of ventilation blower Disconnection or missing connector of ventilation power line



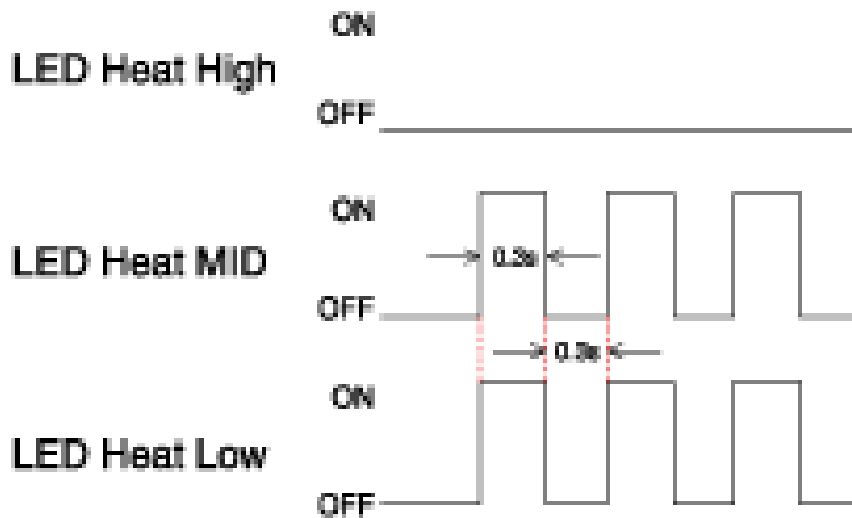
Short circuit of ventilation blower speed signal Short circuit of ventilation blower speed signal (short)



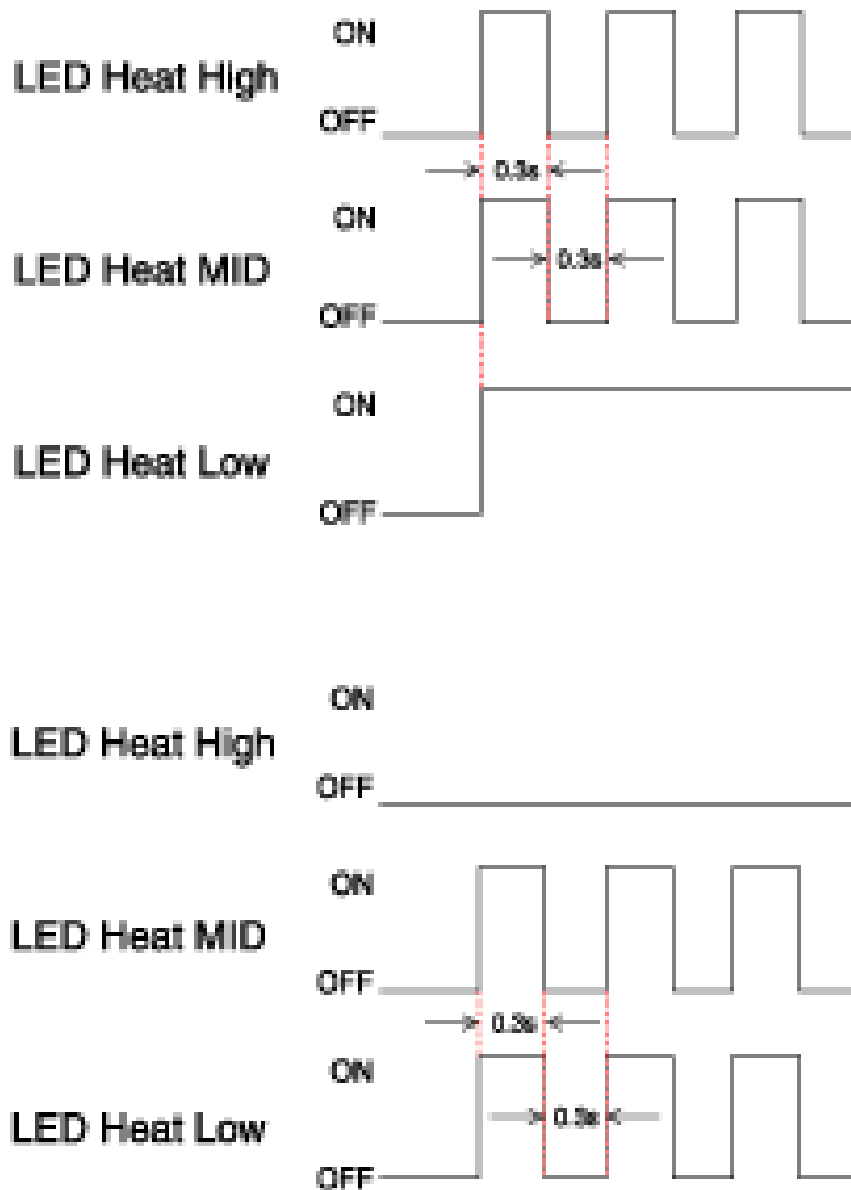
Disconnection or missing connector of ventilation blower speed signal Disconnection or missing connector of ventilation blower speed signal (VCC)



Disconnection or missing connector of ventilation blower speed signal Disconnection or missing connector of ventilation blower speed signal (GND)



Short circuit of ventilation blower RPM signal (short) Short circuit of ventilation blower RPM signal (short)
 Disconnection or missing connector of ventilation blower RPM signal Disconnection or missing connector of ventilation blower RPM signal (GND)



- You can check the malfunctioning by checking the blinking LED.
- The failure data is recorded to the memory by the ventilation seat unit.
- Press the heating wire seat switch on the passenger side for 5 seconds or more to make the LED blink four times and delete the failure data in the memory.
- Pressing the IGN OFF button will end the diagnosis mode for the heater seat.
- You can check whether the heating seat system works properly after turning the IGN ON. If you want to check the error code, you can refer to the procedure of 2 above.