SEAT HEATER SYSTEM

System Description

HINT: The number in ( ) is for the right side.

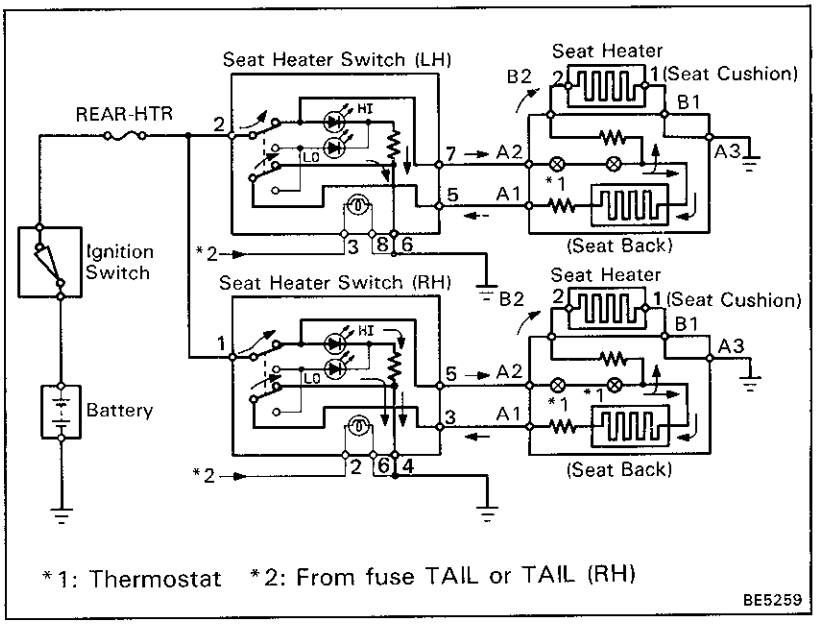
Standby Operation

- When the Ignition Switch is on, current flows from the battery to terminal 2 (1) of the Seat Heater Switch.

Operation

"HI" Operation

When the Seat Heater Switch is set to the "HI" position, current flows through terminal 2 (1) of the Seat Heater Switch → terminal 7 (5) of the Seat Heater Switch → terminal A2 (A2) of the seat back side → the seat back, where it is divided into a parallel circuit. Then current flows through terminal B2 (B2) of the seat back → terminal 2 (2) of the seat cushion → terminal 1 (1) of the seat cushion → terminal B1 (B1) of the seat back → terminal A3 (A3) of the seat back → ground, so that the seat cushion can be warmed. At the same time, current also flows through terminal A1 (A1) of the seat back → terminal 5 (3) of the Seat Heater Switch → terminal 6 (4) of the Seat Heater Switch → ground, so that the seat back can be warmed.



When the seat surface temperature reaches over approx. 40°C (104°F), current is shout off by the thermostat so that the temperature cannot increase any more. When it decreases below approx. 30°C (86°F), the contact is made again by the thermostat so that the seat can be warmed.

"LO" Operation

When the Seat Heater Switch is set to the "LO" position, current flows in series through terminal 2 (1) of the Seat Heater Switch → terminal 5 (3) of the Seat Heater Switch → terminal A1 (A1) of the seat back → terminal B2 (B2) of the seat back → terminal 2 (2) of the seat cushion → terminal 1 (1) of the seat cushion → terminal B1 (B1) of the seat back → terminal A3 (A3) of the seat back → ground, so that the seat cushion and back can be warmed.

