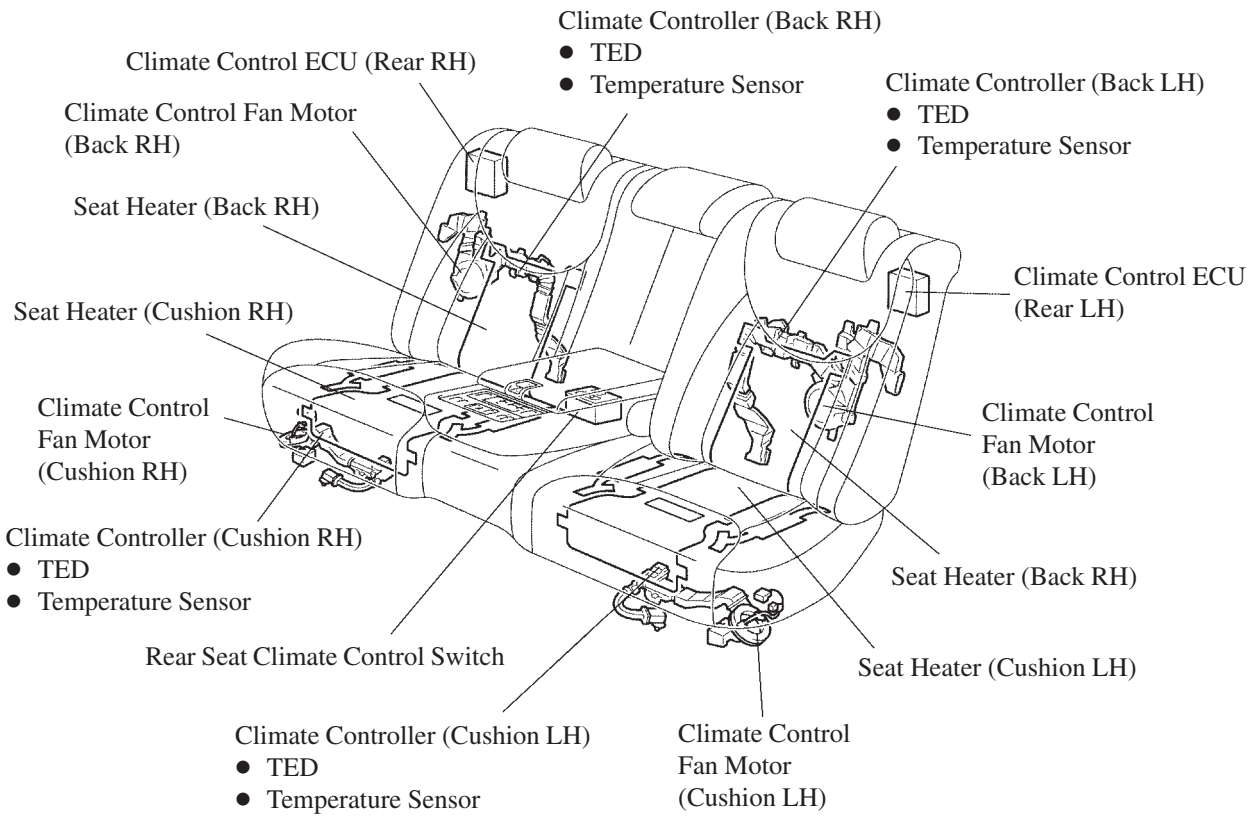


2. Layout of Main Component



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3. Function of Main Component

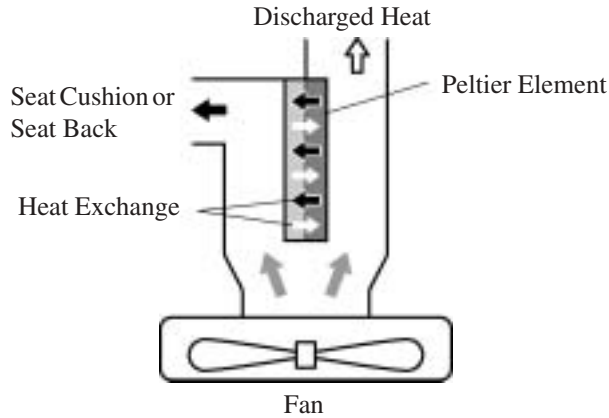
Component		Outline
Climate Control Switch		<ul style="list-style-type: none"> Switches the modes: cool air in 3 stages, airflow, and warm air in 3 stages. During fail-safe control, the indicator light in the climate control switch flashes to inform the occupants of the malfunction in the system.
Climate Controller	Temperature Sensor	Detects the surface temperature of the seat back and seat cushion.
	TED (Thermo Electric Device)	Cools and heats through the function of the Peltier Element.
	Fan Motor	Provides airflow to the seat back and seat cushion upon receiving instructions from the ECU in accordance with the volume setting of the climate control switch.
Climate Control Seat ECU (Rear LH and Rear RH)		<ul style="list-style-type: none"> Controls the system based on the signals from the temperature sensor and the climate control switch. While the system is activated, only the rear LH and RH side climate control ECU outputs an idle-up signal. Monitors the output amperage of the climate control fan motor.
Seat Heater		The fast-acting seat heater warms the seat in the initial stage of the heating mode.

— REFERENCE —

*: *Peltier Element:*

The Peltier element is a semi-conductor element that transfers heat from one side to the other when direct current is applied to it. This feature is utilized to cool one side of the Peltier element and heat the other side. When the current is reversed, the direction of the heat transfer is also reversed. Thus, the heating and cooling effects can be reversed. Also, the amount of heat exchange can be adjusted by varying the voltage.

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4. System Operation

General

This system effects the controls listed below.

Control	Front		Rear
	Driver	Front Passenger	Outer Side
Normal Control	○	○	○
Power ON Full-Power Control	○	○	○
Engine Idle-up Output Control	○	—	○
Fail-safe Control	○	○	○