

POWER SEAT CONTROL SYSTEM (Driver's seat)

DESCRIPTION

The Power Seat Control System carries out seat slide, front vertical, rear vertical, reclining and lumbar support position adjustments electrically. Power seat switch and lumbar support switch.

In addition, operation of the memory switch makes it possible to store the positions of the slide, front vertical, rear vertical and reclining adjustments in memory and return to the position.

The component parts of this system and their function are described in the following table.

Parts Name	Function
Driver's Seat ECU	The seat ECU controls power operation, memory operation, and position return operation of the power seat. When input is received from the power seat switch, the relay inside the ECU is controlled and the power seat operates. The seat memory and position return are controlled by mutual communication between the electrically operated Tilt and Telescopic ECU and the seat ECU.
Power Seat Switch	Operation of this switch sends slide, front vertical, rear vertical, reclining signals to ECU.
Driving Position Memory and Return Switch	Memory and Return Signals are sent to the seat ECU via the Tilt and Telescopic ECU.
Lumbar Support Switch	This switch is supplied with power from the DOOR fuse. When the switch is operated, power is supplied to the lumbar support motor controlling the direction in which the motor turns and turning the current ON and OFF. This switch is not connected to the ECU and the adjustment position cannot be stored in memory for return operation.
Position Sensor	This sensor sends signals on the position of each motor (slide, front vertical, rear vertical and reclining) to the ECU for use in memory and return.
*Motor	These motors operate on current from the driver's seat ECU moving the various parts of the seat directly. Each motor has a built-in circuit breaker.

*: Slide, Front Vertical, Rear Vertical, Lumbar Support and Reclining.

Motors contained in each seat are described in the following table.

Motor	Slide Motor	Front Vertical Motor	Rear Vertical Motor	Reclining Motor	Lumbar Support Motor
Seat					
Driver's Seat	O*	O*	O*	O*	O

*: Operated by the memory and return functions.