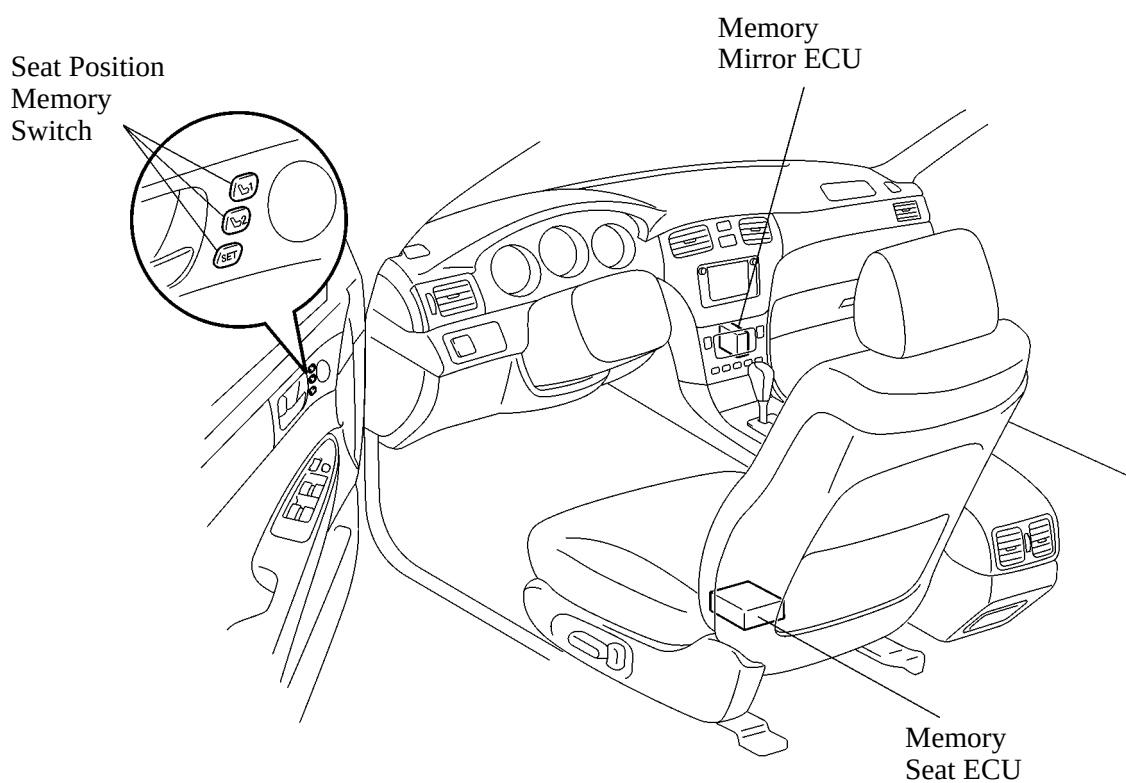


■ MEMORY SYSTEM

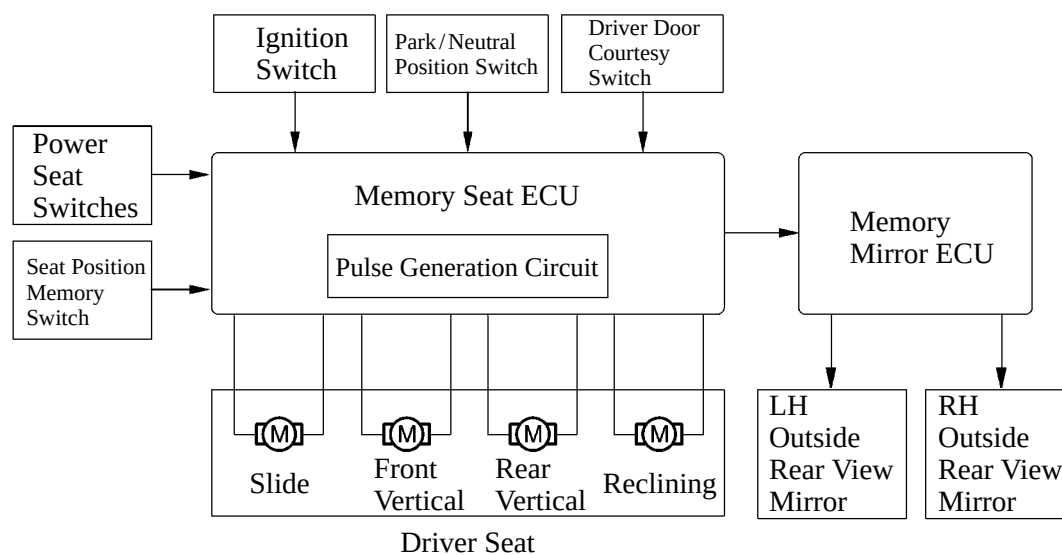
1. General

- On the '02 ES300, a memory system for the driver seat is provided as optional equipment.
- The memory seat ECU effects control by memorizing two seat positions and outside rear view mirror position.
- On the '01 ES300, the seat position was detected by the Hall IC that is installed on the power seat motor. However, the '02 ES300 has adopted a new mechanism to detect the seat position, in which the memory seat ECU converts the driving current pulsations generated by the rotation of the motor into pulse signals.



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► System Diagram ◀



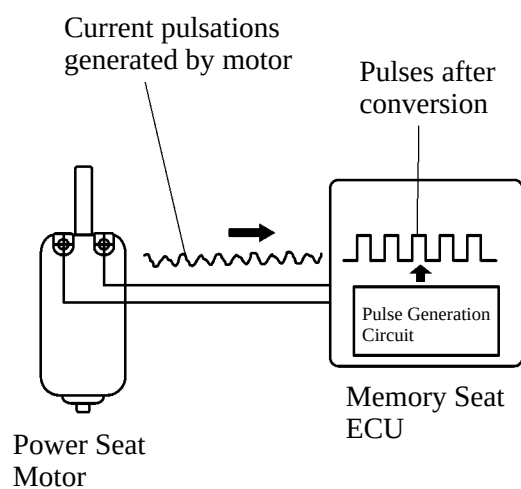
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2. Construction

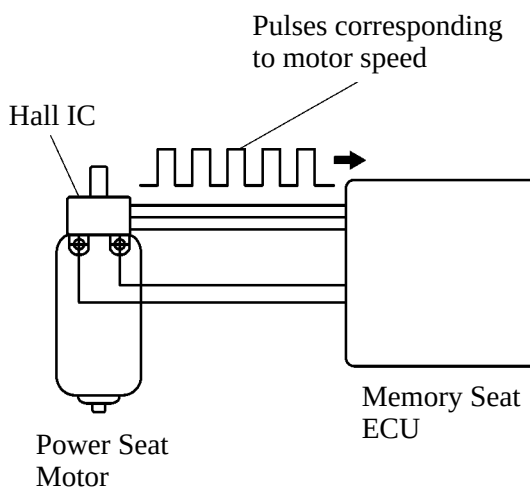
Seat Position Detection

On the '01 ES300, the Hall IC that is installed on the power seat motor generated the number of pulses that corresponded to the speed of the motor. These pulses were then picked up by the memory seat ECU in order to detect the seat position.

On the '02 ES300, however, a pulse generation circuit in the memory seat ECU converts the driving current pulsations that are generated by the rotation of the motor into pulse signals. These signals are then picked up in order to detect the seat position. As a result, the construction of the system has been simplified.



'02 ES300



'01 ES300