

■ DRIVER SEAT ECU

1. General

- The driver seat ECU effects the main control of the memory system in order to memorize and execute the driver seat position. In addition, the driver seat ECU instructs the tilt & telescopic ECU, driver mirror ECU and the passenger mirror ECU to start memorizing or executing their respective positions.
- The driver seat position, tilt & telescopic steering, and the outside rear view mirror position, are memorized by the respective ECUs.
- The ECUs exchange the information that is necessary for memory control via the BEAN (Body Electronics Area Network).

2. Seat Position Detection

On the conventional memory system, the Hall IC 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 driver seat ECU in order to detect the seat position.

On the new RX400h, however, a pulse generation circuit in the driver 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.

