# SLIDING ROOF SYSTEM

## ■ DESCRIPTION

The sliding roof ECU controls the sliding roof system. The sliding roof ECU uses 2 Hall ICs to detect the position of sliding roof. The sliding roof ECU and the 2 Hall ICs are integrated in the sliding roof motor assembly.

- The sliding roof system is standard equipment on the Platinum grade and optional equipment on the SR5 and Limited grades.
- A deflector height control function is used to reduce wind noise at high speed and prevent the generation of wind throb at low speed.

**Service Tip**

The sliding roof ECU memorizes the initial position of the sliding roof. This position may be cleared from memory or a wrong position might be stored in memory due to some causes such as the disconnection of a battery terminal while the sliding roof is operating. When this occurs, the sliding roof will not operate correctly. In this case, the sliding roof position must be initialized as described below:

1) Keep pressing the tilt switch (up side) or slide switch (close side) until the initialization has been completed. This will enable the sliding roof ECU to start initializing and perform the tilt-up and tilt-down operations of the sliding roof in sequence.
2) Keep the switch pressed for 1 second after the tilt-up operation is completed.
3) The sliding roof ECU performs the tilt-down operation.
4) The initialization process ends when the close operation is completed.

Keep the tilt switch (up side) or slide switch (close side) pressed during initialization. If the tilt switch (up side) or slide switch (close side) is released during initialization, the system will not be able to complete the initialization. If this occurs, the aforementioned steps must be performed again.
For details, refer to the SEQUOIA Repair Manual (Pub. No. RM11Y0E).