SLIDING ROOF SYSTEM

■ DESCRIPTION

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

- This system is provided on the CrewMax models as optional equipment.
- A deflector height control function uses 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 disappear 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 slide control switch (TILT) or (SLIDE) switch until the initialization completely. 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-up or slide close switch pressed during initialization. If the tilt up or close switch 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, see the 2007 TOYOTA TUNDRA Repair Manual (Pub. No. RM04E2U).