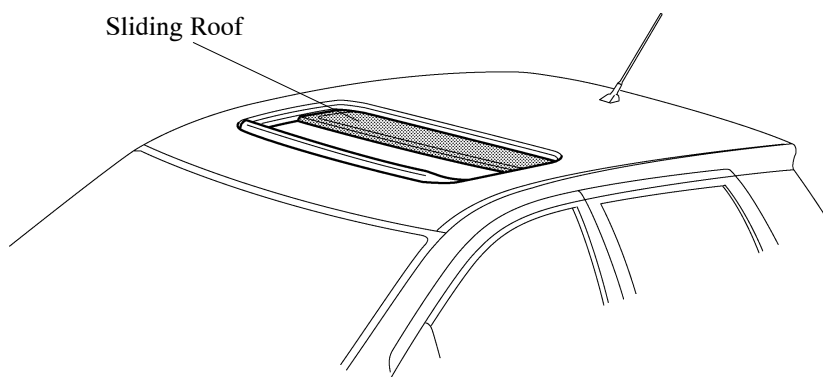


## ■ SLIDING ROOF SYSTEM

### 1. General

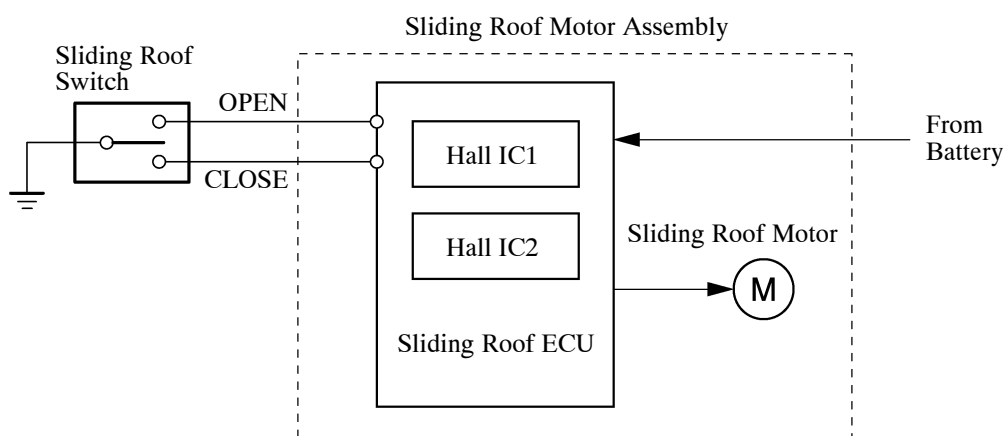
On the new, specially equipped xA model for the G.C.C. countries has adopted a new type of sliding roof, which uses a fewer number of parts than of the conventional model, as optional equipment.

- On the conventional model, the sliding roof position was detected by a limit switch. However, the new xA has discontinued the use of the limit switch and has adopted a new mechanism that uses Hall ICs to detect the position.
- The sliding roof ECU and the sliding roof motor have been integrated to reduce the number of components.
- A jam protection function, which automatically stops the sliding roof and moves it open half way if a foreign object gets jammed in the sliding roof during one-touch auto-close or auto-tilt down operation, has been provided.



275XA05

### ► System Diagram ◀



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#### Service Tip

The sliding roof ECU memorizes the initial position of the sliding roof. Therefore, the data will be lost if a battery terminal is disconnected or the sliding roof motor assembly is removed, thus enabling the sliding roof to be operated only manually. After reconnecting the battery terminal or reinstalling the sliding roof motor, initialize the system by manually moving the sliding roof once to the full tilt up position, and keep the CLOSE switch pressed for approximately 2 seconds. This will enable the sliding roof ECU to memorize the initial position again.