

## ■ MOON ROOF

### 1. General

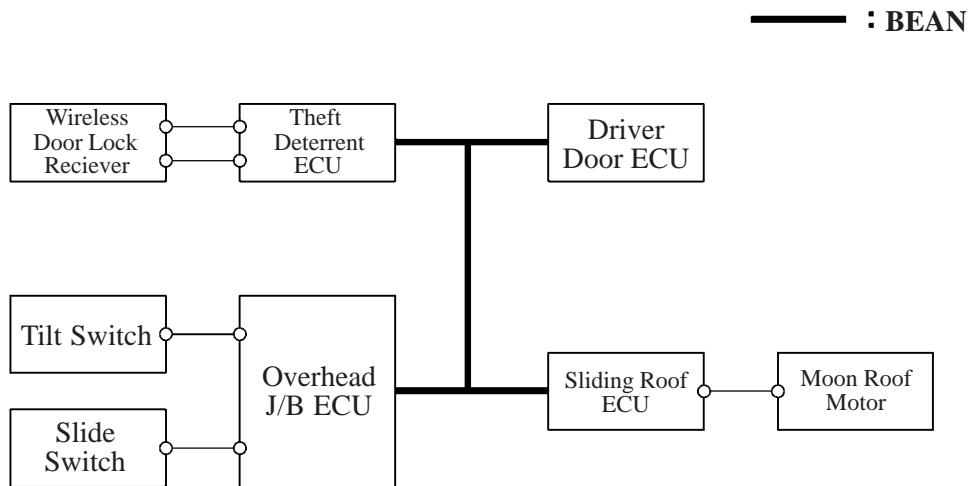
- As in the previous LS400, “one-touch tilt up-and-down”, “one-touch sliding open-and-close”, “jam protection”, “key-linked open-and-close”, and “transmitter (or smart key) -linked open-and-close” functions have been used.

However, on the models for Australia, “one-touch sliding open-and-close” and “transmitter (or smart key)-linked open-and-close” functions are provided for the open function only.

The “one-touch tilt up-and-down” and “jam protection” functions are not provided.

- This system is optional equipment.

### ► System Diagram ◀



## 2. Function

The moon roof has following features:

Function	Outline	Australia	Others
One-touch tilt up-and-down	When the sliding roof ECU via the overhead J/B ECU detects the control signal for one-touch tilt-up or tilt-down that is output the tilt switch, the sliding roof ECU controls the moon roof motor in accordance with the control signal to execute a tilt-up or tilt-down operation.	—	○
One-touch sliding open-and-close	When the sliding roof ECU via the overhead J/B ECU detects the control signal for one-touch sliding-open or sliding-close that is output the slide switch, the sliding roof ECU controls the moon roof motor in accordance with the control signal to execute a sliding-open or sliding-close operation.	—	○
One-touch sliding open	When the sliding roof ECU via the overhead J/B ECU detects the control signal for one-touch sliding open that is output the slide switch, the sliding roof ECU controls the moon roof motor in accordance with the control signal to execute a sliding-open operation.	○	—
Jam protection	This function has been adopted to the closing moon roof operation. If a foreign object becomes jammed in the moon roof during “one-touch tilt-down” or “one-touch sliding-close”, this function automatically stops the moon roof and moves it upward or rearward.	—	○
Key-linked open-and-close	When the ignition key is not in the key cylinder, the driver’s door is locked, and the key in the driver’s door key cylinder is turned and maintained in the lock direction for 1.5 seconds or more, the sliding roof ECU activates the moon roof motor to close the moon roof while the key is turned. Similarly, when the driver’s door is unlocked, turning and maintaining the driver’s door key in the unlock direction for 1.5 seconds or more will cause the moon roof to be opened.	○	○
Transmitter-linked open-and-close	When the theft deterrent ECU receives an lock/unlock signal from the transmitter continuously for longer than 2.5 seconds, the theft deterrent ECU transmits a moon roof control signal to the sliding roof ECU. Upon receiving the control signal, the sliding roof ECU controls moon roof motor in accordance with the signal close/open the moon roof.	—	○
Transmitter-linked open	When the theft deterrent ECU receives an unlock signal from the transmitter continuously for longer than 2.5 seconds, the theft deterrent ECU transmits a moon roof control signal to the sliding roof ECU. Upon receiving the control signal, the sliding roof ECU controls moon roof motor in accordance with the signal open the moon roof.	○	—