ACCESSORIES

■ DESCRIPTION

The new GS300 includes the accessory systems shown in the following table.

System	Outline
Power Window System	This system includes “one-touch auto up-and-down”, “key-linked all-door up-and-down”, “jam protection” and “key-off operation” functions. The basic construction and operation of these functions are the same as in the LS400.
Door Lock Control System	This system has a “key-linked lock and unlock”, “key-confine prevention” and “manual unlock prohibition” functions. The basic operation of “key-linked lock and unlock” and “key-confine prevention” functions are the same as in the LS400. For details of the “manual unlock prevention” function, see page 147.
Wireless Door Lock Remote Control System	As in the LS400, the multi-function type wireless door lock remote control system has been adopted. This system uses a transmitter that can be used to lock and unlock all the doors, open the power windows, etc. Also, the construction of the system has been changed to enable the system to be controlled by the body ECU. The basic construction and operation are the same as in the LS400.
Theft Deterrent System	As in the previous model, when an attempt is made to forcibly enter the vehicle or open the hood or trunk lid without a key, or when the battery terminals are removed and reconnected, this system sounds the horn and flashes the headlights, taillights and turn signal lights for about 1 minute to alert the owner. On the new GS300, in conjunction with the adoption of the engine immobiliser system, the illuminating pattern of the indicator light has been changed and the starter cutoff function has been discontinued. The basic construction and operation are the same as in the LS400.
Engine Immobiliser System	This is a theft-deterrent system which disables the engine unless the ignition key used to start the engine has an ID code that matches the pre-registered code in the vehicle.
Power Seat	As in the previous model, the front seats are power assisted by electric motors so that the seat positions can be adjusted easily by a simple switch operation.
Seat Heater	The seat heater system improves the comfort of the driver and the front passenger in a cold weather by heating the surface of the seats. It is a 2-mode control type system that provides a switch to turn the heater ON and OFF. On the new GS300, the seat heater wire is placed directly underneath the seat cover to increase the heat rising speed.

System	Outline
Outside Rear View Mirror	As in the previous model, electrical remote control type mirrors provided with an internal heater, which operates in conjunction with the rear window defogger, have been adopted. In addition, the new model has newly adopted EC (electrochromic) mirrors which can automatically vary their reflection rate.
Automatic Glare-Resistant EC Mirror System	This system automatically reduces the reflection rate of the inner and outside mirrors by using an EC (electrochromic) element to dampen the bright glare of the headlights of the vehicle driving behind. The basic construction and operation are the same as in the LS400. However, on the new GS300, the reflection rate of outside mirror varies steplessly.
SRS Airbag	The SRS (Supplemental Restraint System) airbag is provided for the driver and front passenger. The SRS airbag has been designed to lessen the shock to the head and chest of the driver and front passenger in the event of a frontal impact collision as a supplement to the seat belt. A 3-sensor type airbag system is used in which the detection of deceleration during a collision as well as control of the airbag system is accomplished by the front airbag sensor and airbag sensor assembly. For details, see page 138.
SRS Side Airbag	The SRS side airbag is provided for the outer side of the front seat back, SRS side airbag has been designed to help reducting the impact energy that is transmitted to the driver and front passenger in the event of a side collision. The basic construction and operation are the same as in the LS400.
Cruise Control System	Once it has been set at desired vehicle speed, this system automatically adjusts the engine throttle position to maintain the vehicle speed at the desired speed without operating the acceleration pedal. On the new GS300, in conjunction with the adoption of the ETCS-i in the engine, a cruise control system that uses the throttle control motor, which is a part of the ETCS-i, has been adopted. Also, the cruise control ECU has been integrated with the ECM. The basic construction and operation are the same as in the LS400.
Moon Roof	The moon roof is a tilt-up and sliding type the same as in the previous model. This system includes “one-touch slide open and close (models except for Australia)”, “one-touch slide open (models for Australia)” “key-linked slide open and close”, “jam-protection” and “key-off operation” functions. The basic operation of those functions are the same as in the LS400. To determine the jamming of the moon roof, the moon roof jam protection function uses a hall IC and magnets that are enclosed in the moon roof drive motor to detect any changes in the rotation of the motor.
Memory System	The desired seat postion can be stored (as well as tilt and telescopic steering and outside rear view mirror positions) in memory. 2 different driving positions can be memorized in the power seat ECU. The basic operation of this system is the same as in the LS400. However, on the GS300, the position of the driver’s shoulder belt anchor cannot be stored in memory.

System	Outline
Seat Belt Warning System	If the driver or the front passenger has not buckled the respective seat belt when the ignition switch is turned ON, the seat belt warning system illuminates the warning light and sounds the buzzer to inform the driver and the front passenger that their seat belts have not been buckled. The basic construction and operation are the same as in the LS400.
Key Reminder System	It sounds a buzzer to warn the driver that the ignition key is still in the key cylinder. This helps to prevent the driver from getting locked out. The basic operation is the same as in the previous model.