

## SYSTEM DESCRIPTION

### 1. WIRELESS DOOR LOCK CONTROL SYSTEM DESCRIPTION

- (a) This system is a convenient system for locking and unlocking all the doors at a distance. The wireless control system has the following features:
- In this system, the door control receiver performs the code identification process and the multiplex network body ECU operates the door lock control. A serial data link is provided for communication between the door control receiver and the multiplex network body ECU.
  - w/ Power back door:  
A key-integrated type transmitter is used. It contains the following 3 switches: the LOCK (PANIC) switch, UNLOCK switch and PWR DOOR (power back door) switch.
  - w/o Power back door:  
A key-integrated type transmitter is used. It contains the following 3 switches: the LOCK switch, UNLOCK switch and PANIC switch.
  - A power window down function and a sliding roof (normal type only) open function are included in the wireless door lock control system.
  - A LED (Light Emitting Diode) is mounted on the transmitter to indicate if the battery is discharged.
- (b) The wireless door lock control system has the following functions:

Function	Outline
All-door lock operation	Pressing LOCK locks all doors
All-door unlock operation (2-step unlock operation)	Pressing UNLOCK twice within 3 seconds unlocks all doors after driver's door is unlocked
Power back door open/close operation (w/ Power back door)	Holding down PWR DOOR for longer than about 1 second opens or closes the back door
Power window and sliding roof (normal type only) open operation	Holding down UNLOCK for longer than about 3 seconds opens all power windows and power sliding roof
Answer-back operation	<ul style="list-style-type: none"> <li>• Hazard warning lights flash once when doors are locked and flash twice when doors are unlocked to indicate that the operation has been completed</li> <li>• The wireless door lock buzzer sounds once when doors are locked and sounds twice when doors are unlocked to indicate that the operation has been completed</li> <li>• When the transmitter is used for opening/closing the power back door or for opening a power window, the buzzer will sound (once for power window, twice for power back door) to indicate that the operation has been completed</li> </ul>
Panic alarm operation (w/ Power back door)	Holding down the LOCK for longer than about 3 seconds sets off the theft deterrent alarm (the horn sounds, headlights, taillights and hazard warning lights flash)
Panic alarm operation (w/o Power back door)	Holding down the PANIC sets off the theft deterrent alarm (the horn sounds, headlights, taillights and hazard warning lights flash)
Automatic lock function	If none of the doors is opened within 30 seconds after they are unlocked by the wireless door lock control, all doors will lock again automatically
Illuminated entry function	When all doors are locked, pressing door UNLOCK causes the interior lights to come on simultaneously with unlocking operation
Door ajar warning function	If any door is open or ajar, pressing LOCK will cause the wireless door lock buzzer to sound for about 10 seconds
Transmitter recognition code registration function	Enables registering (writing and storing) of 4 types of transmitter recognition codes in the EEPROM that is built into the body ECU
Self-diagnosis	If there is a malfunction in the system, the body ECU sets a DTC in its memory

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Function	Outline
Repeat function	If a door is not locked in response to the locking operation of the transmitter, the body ECU will output a lock signal after 1 second
Security function	Sends an operation signal as a rolling code