

## THEFT DETERRENT SYSTEM

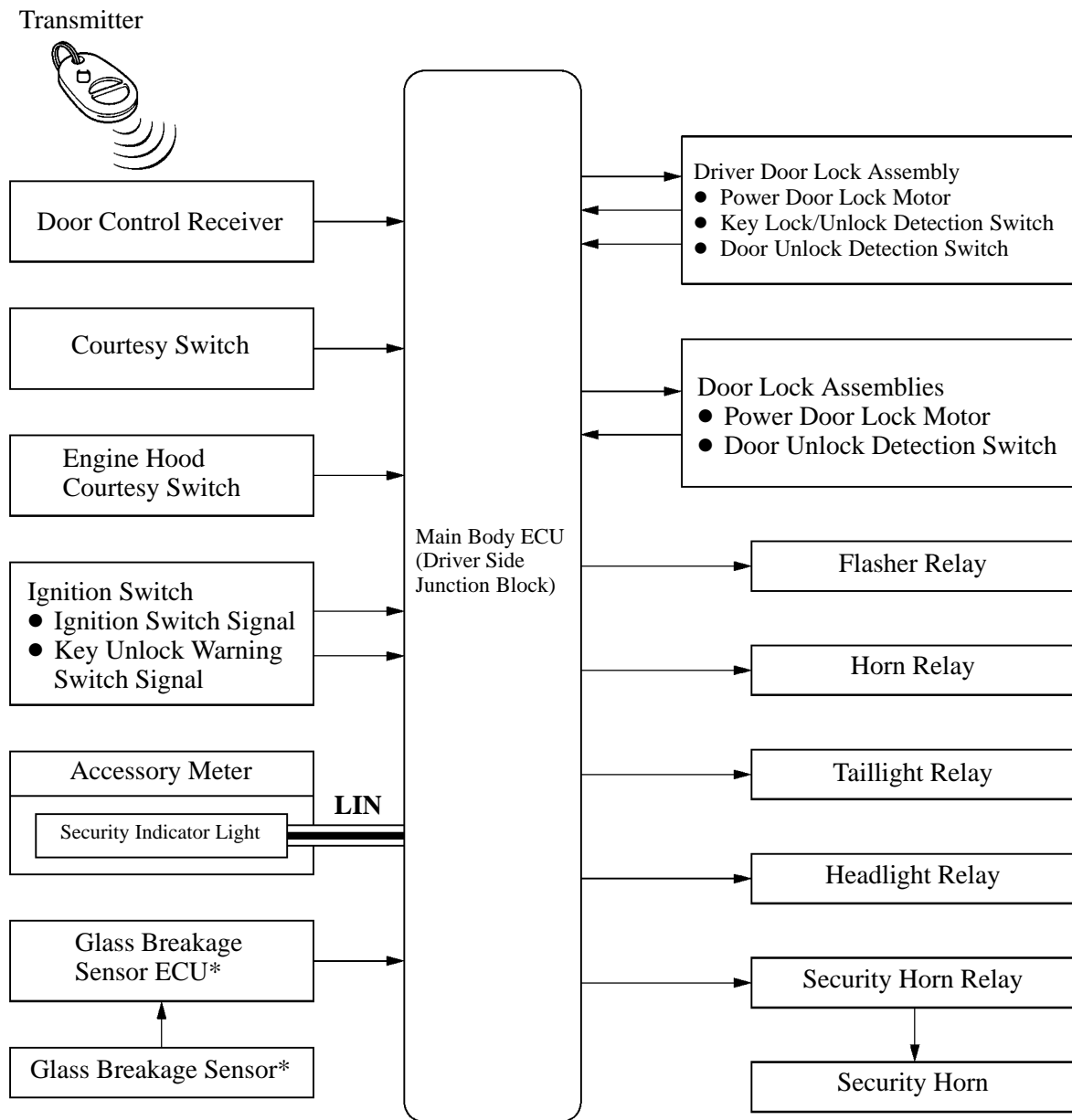
### ■ DESCRIPTION

The theft deterrent system sounds an alarm when somebody attempts to forcibly enter the vehicle, open the engine hood, unlock any door without the key, or when the battery terminals are removed and reconnected.

- The alarm function of the theft deterrent system is standard equipment on all models, and the glass breakage detection function is optional equipment on all models.
- The system consists of door lock control system parts, wireless door lock control system parts, a security horn and a security indicator light.
- This system is controlled by the main body ECU.
- The warning specifications of this system are listed below.

Warning Method	Interior Light	Illuminates
	Hazard Lights	Blink
	Exterior Lights	Blink
	Vehicle Horn	Sounds a warning at an approximately 0.4-second cycle
	Security Horn	Sounds a warning at an approximately 0.4-second cycle
	Door Lock Motor	Lock
Warning Time		Approximately 60 seconds

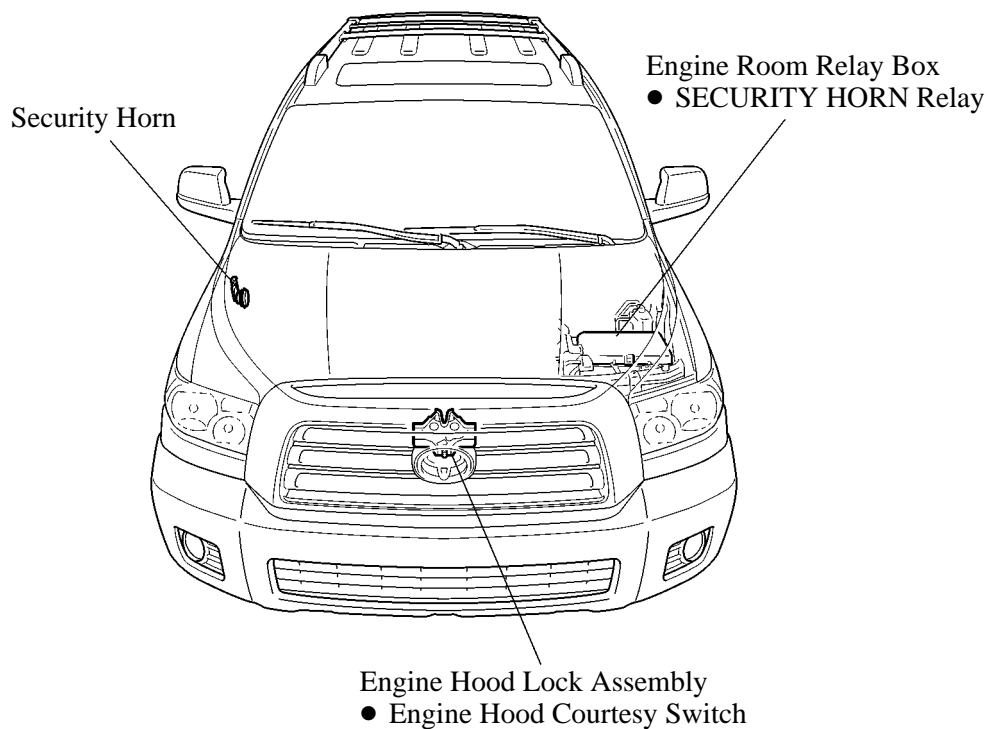
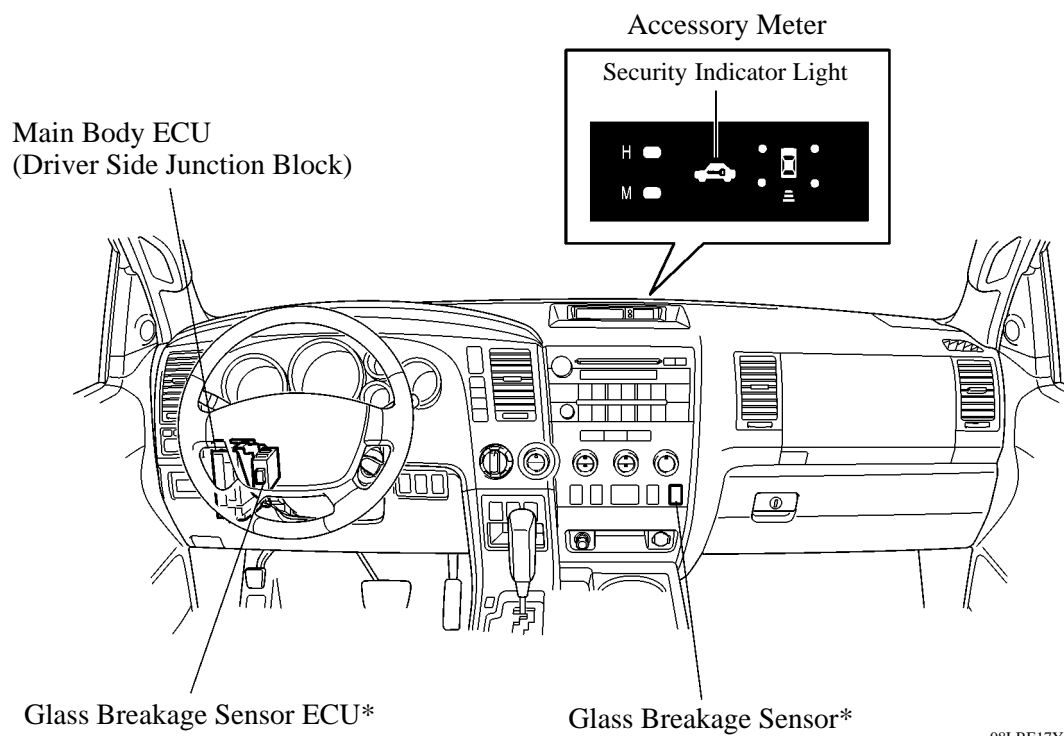
# **SYSTEM DIAGRAM**



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\*: Optional Equipment

## ■ LAYOUT OF MAIN COMPONENTS



\*: Optional Equipment

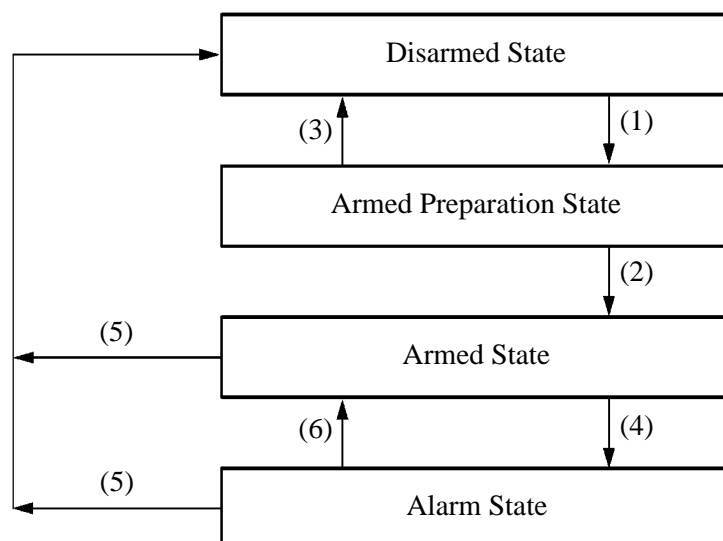
## ■ FUNCTIONS

The theft deterrent system has the following functions:

Function	Outline
Alarm	When the theft deterrent system is switched to the alarm state, the warning items are operated and the alarm sounds for approximately 60 seconds.
Alarm Indicator	When the state of the theft deterrent system is switched to the armed preparation state or alarm state, the security indicator light is illuminated to inform the user. This indicator is also the engine immobilizer indicator, which blinks in the engine immobilizer set state.
Forced Door Lock	<p>The main body ECU transmits a door lock signal to all the doors when all the following conditions are satisfied.</p> <ul style="list-style-type: none"> <li>● The theft deterrent system is in the alarm state.</li> <li>● There is no ignition key inserted in the ignition key cylinder.</li> <li>● One of the front doors has been unlocked.</li> </ul> <p>The function stops when one of the following conditions is met.</p> <ul style="list-style-type: none"> <li>● All doors are locked.</li> <li>● The warning ends after approximately 60 seconds.</li> <li>● The ignition key is inserted in the ignition key cylinder.</li> </ul>
Alarm Memory	In order to inform the user that the theft deterrent system was switched to the alarm state, the main body ECU illuminates the taillights for 2 seconds when the system is switched to the disarmed state.
Panic Control	When the panic button of the transmitter is pressed, the main body ECU operates the alarm function.
Glass Breakage	The glass breakage sensor detects the sound of the glass breaking, and the glass breakage sensor ECU outputs an alarm request signal to the main body ECU.

## ■ SYSTEM OPERATION

The theft deterrent system activates as described in the diagram below when one of the items in the table occurs.



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Condition	Item
(1)	<p>In the disarmed state, when the ignition key is not in the ignition key cylinder, the system state is switched if one of the following conditions is met.</p> <ul style="list-style-type: none"> <li>● When all doors and engine hood are closed, the mechanical key locks the doors.</li> <li>● When all doors and engine hood are closed, the transmitter locks the doors.</li> <li>● When all doors and engine hood locked, any these are changed from open to close, and then these are closed or locked.</li> </ul>
(2)	<p>The system enters the armed state when the doors and engine hood are all closed and locked, and 30 seconds have elapsed.</p>
(3)	<p>The system returns to the disarmed state when one of the following conditions is met.</p> <ul style="list-style-type: none"> <li>● Any door or engine hood is opened.</li> <li>● Any door is unlocked.</li> <li>● The ignition key is inserted to the ignition key cylinder.</li> </ul>
(4)	<p>The system enters the alarm state when one of the following conditions is met.</p> <ul style="list-style-type: none"> <li>● Any door is opened.</li> <li>● Any door is unlocked by a method other than the ignition key or transmitter.</li> <li>● The engine hood is opened.</li> <li>● The battery terminal is disconnected and reconnected.</li> <li>● The wiring harness is directly connected to turn the ignition switch ON.</li> </ul>
(5)	<p>The system state switches to the disarmed state when one of the following conditions is met.</p> <ul style="list-style-type: none"> <li>● Any door is unlocked with the mechanical key or transmitter.</li> <li>● The ignition key is inserted to the ignition key cylinder and turned to ON.</li> </ul>
(6)	<p>The system state returns to the armed state after the alarm time (60 seconds) has elapsed.</p>