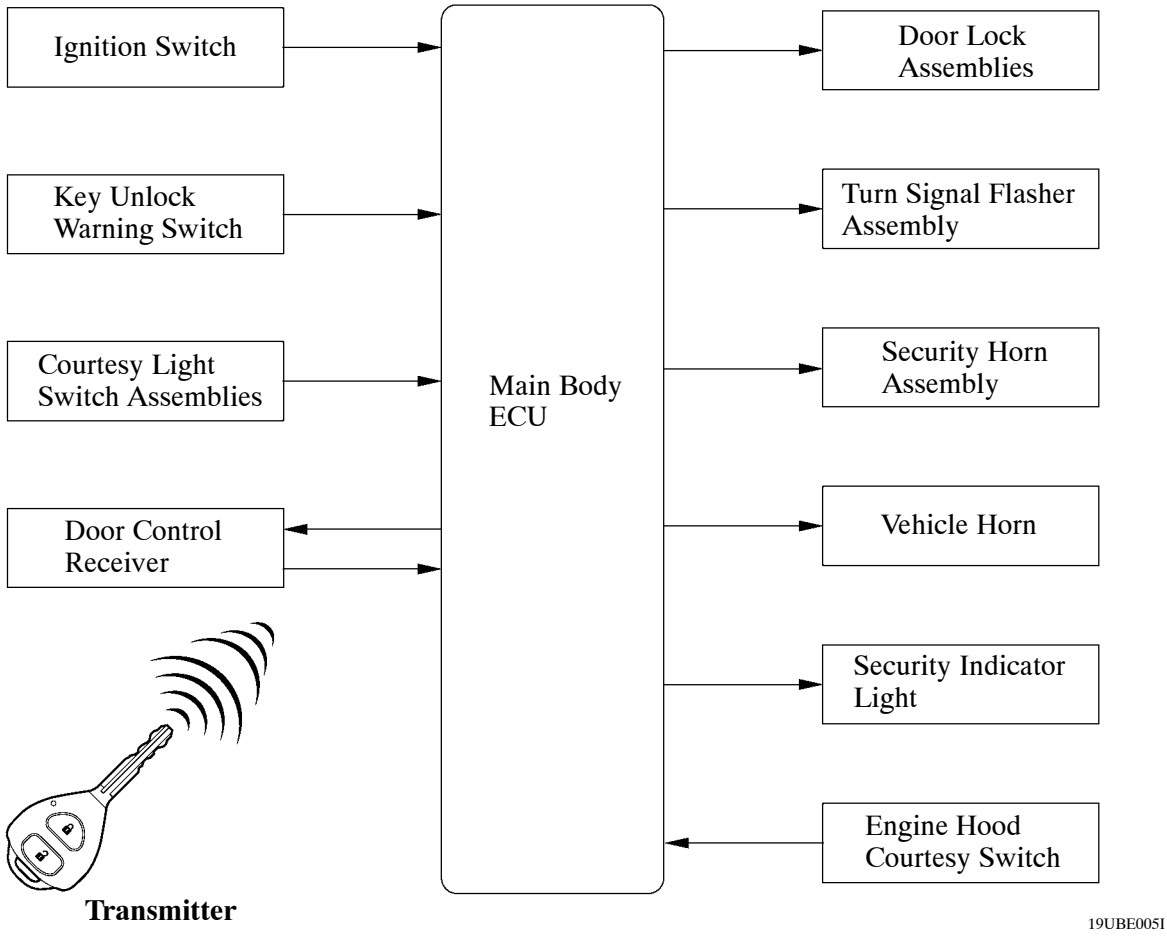
## ■THEFT DETERRENT SYSTEM

### 1. General

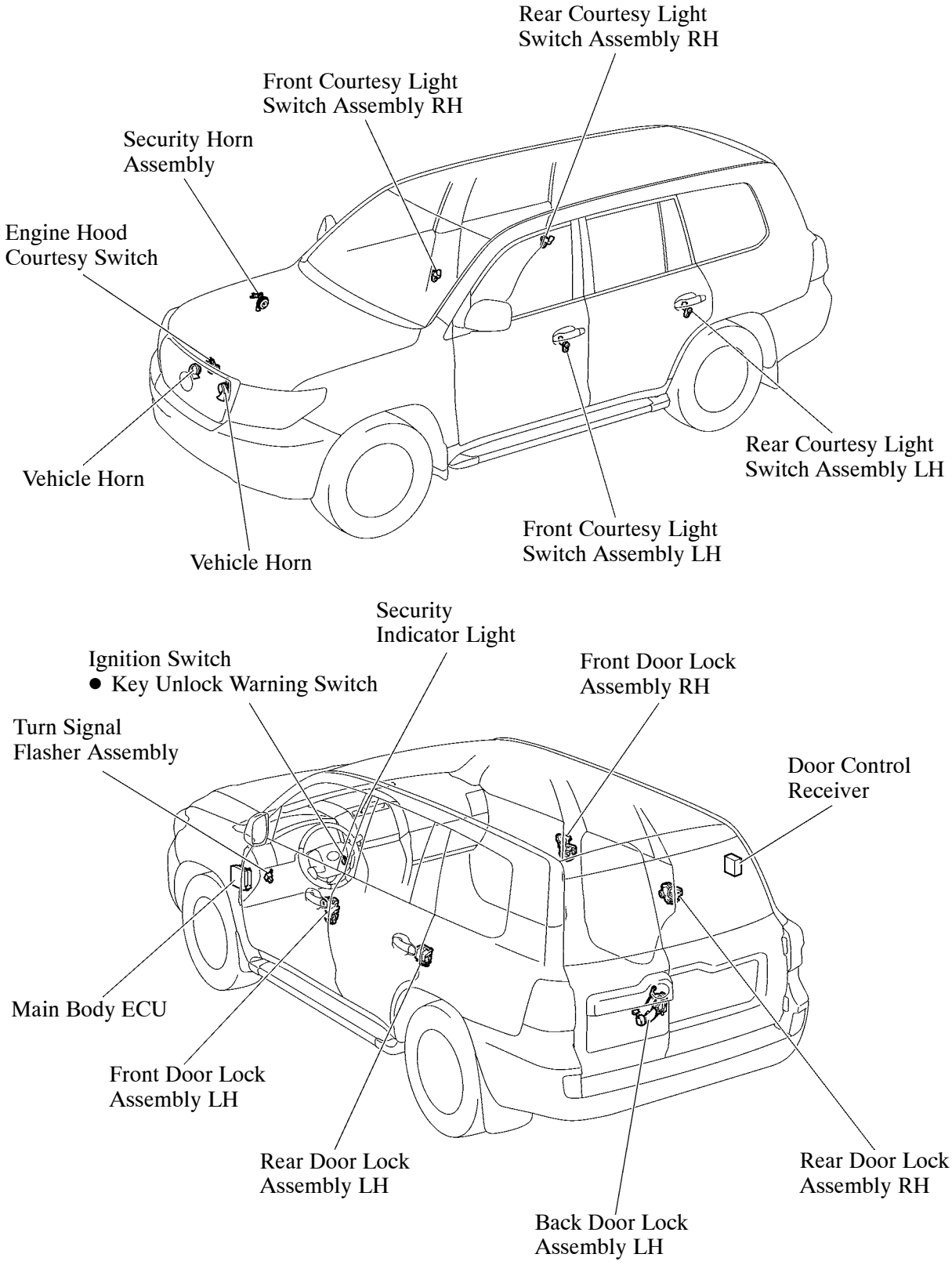
- The theft deterrent system sounds an alarm when any of the following actions are detected:
  - Any door is unlocked not by using the transmitter unlock button or the ignition key.
  - The engine hood is opened.
  - The battery terminals are removed and reconnected.
  - The ignition switch has been changed to ON by hot wiring and not by operating the ignition switch.
- The system consists of door lock control system parts, wireless door lock control system parts, the security horn and the security indicator light.
- The main body ECU controls this system.
- The warning methods and timing of the system are listed below:

| | | | |
|---|---|---|---|
| Warning Method | Hazard Warning Lights | Flash | |
| | Vehicle Horn | Sound | Approx. 0.4-second cycles |
| | Security Horn | Sound | |
| | Door Lock Motors | Lock | |
| Warning Time | | Approx. 27.5 seconds | |

### 2. System Diagram



## 3. Layout of Main Components




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## 4. Function

The theft deterrent system has the following function:

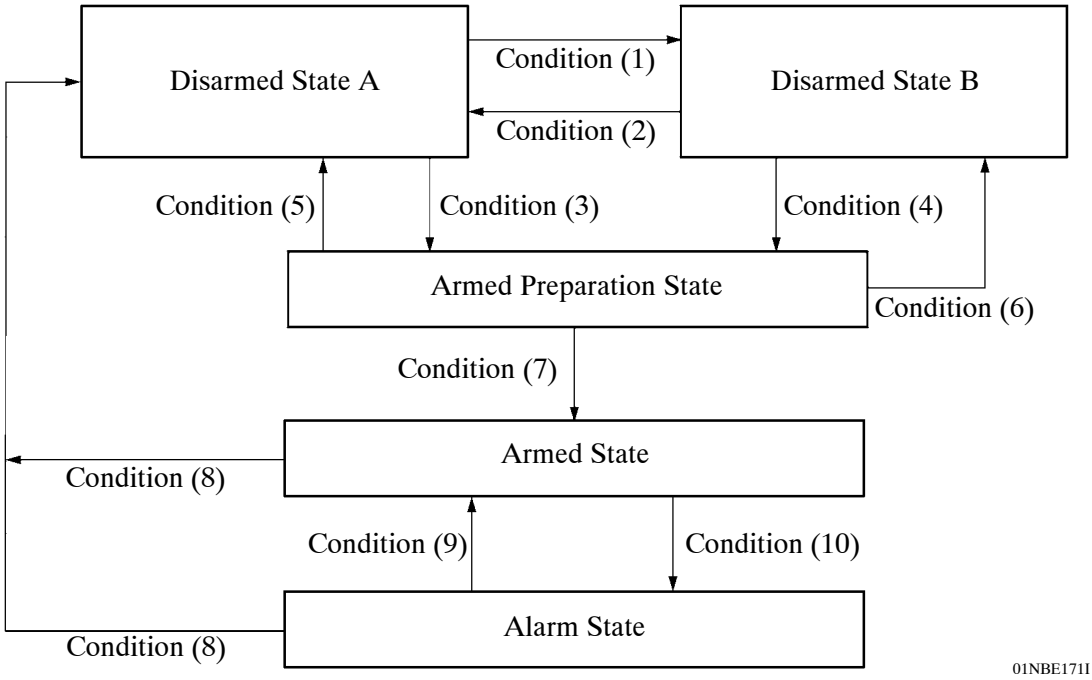
| Function | Outline |
|---|---|
| Alarm | When the theft deterrent system enters the alarm state, the warning items interior lights, hazard warning lights, vehicle horn and security horn are operated for approximately 30 seconds. |
| Security Indicator | When the state of the theft deterrent system enters the armed preparation or alarm state, the security indicator light is illuminated to inform the user.<br>This indicator is also the engine immobiliser indicator. It blinks when the engine immobiliser is in an engaged state. |
| Forced Door Lock | The main body ECU transmits a door lock signal to all the doors when all the following conditions are satisfied.<br>● The theft deterrent system is in the alarm state.<br>● Driver door is unlocked not by using the ignition key. (ignition switch is off)<br>The function stops when one of the following conditions is met.<br>● All doors are locked (wireless door lock control system or ignition key is operated).<br>● The warning ends after approx. 27.5 seconds.<br>● Driver door is unlocked using the ignition key. |

## 5. System Operation

- There are 2 disarmed states: A and B. The transition diagram and states for this system have been changed to reflect this.
- Alerting by the room light has been discontinued.
- The states of the theft deterrent system are as follows:

| State | Description | Theft Detection |
|---|---|---|
| Disarmed State A (Engine Hood and Back Door are Closed) | The theft deterrent system has not been set by the user. | Not Possible |
| Disarmed State B (Engine Hood and Back Door are Open) | | |
| Armed Preparation State | This is the preparation state before the theft deterrent system becomes active (enters the armed state) when the system has been set by the user. | Not Possible |
| Armed State | The theft deterrent system is active. (Theft can be detected.) | Possible |
| Alarm State | A theft attempt has been detected and the warning operation activates. | Possible |

**▶ Transition Diagram ◀**




- The theft deterrent system activates as shown in the diagram above when one of the items in the chart occurs in order to cause the system to enter the respective state.

| Condition | Item |
|---|---|
| (1) | When the ignition switch is off and the ignition key is not inserted into the ignition cylinder, disarmed state B will be switched to if either of the following conditions are met:<br>● All doors are locked using the wireless door lock control system while all doors are closed and the engine hood is open.<br>● All doors are closed after any door has been opened while the engine hood is open. |
| (2) | Disarmed state A will be switched to if any of the following conditions are met:<br>● When one of the doors is unlocked.<br>● When one of the doors is opened.<br>● When the ignition key is inserted in the ignition key cylinder.<br>● When the ignition switch has been turned to ON or ACC.<br>● When a terminal is disconnected from the battery and reconnected.<br>● All doors are unlocked using the wireless door lock control system. |
| (3) | When the ignition switch is off and the ignition key is not inserted into the ignition cylinder, the armed preparation state can be switched to via the following operation:<br>● All doors are locked using the wireless door lock control system while all doors and the engine hood are closed. |
| (4) | Armed preparation state will be switched to when the engine hood is closed. |
| (5) | Disarmed state A will be switched to if any of the following conditions are met:<br>● All doors are unlocked using the wireless door lock control system.<br>● When one of the doors is unlocked.<br>● When one of the doors is opened.<br>● When the ignition key is inserted in the ignition key cylinder.<br>● When the ignition switch has been turned to ON or ACC.<br>● When a terminal is disconnected from the battery and reconnected. |
| (6) | Disarmed state B will be switched to if the following condition is met:<br>● Engine hood is opened.<br>● Back door is opened. |
| (7) | The armed state will be switched to 30 seconds after switching to the armed preparation state. |

| Condition | Item |
|---|---|
| (8) | Disarmed state A will be switched to if any of the following conditions are met:<br>● All doors are unlocked using the wireless door lock control system.<br>● 2 seconds have elapsed since the engine was started.<br>● The ignition switch is turned to ON or ACC. |
| (9) | The armed state will be switched to after approx. 27.5 seconds have passed. |
| (10) | The alarm state will be switched to if any of the following conditions are met:<br>● Engine hood is opened.<br>● When a terminal is disconnected from the battery and reconnected.<br>● When one of the doors is unlocked.<br>● When one of the doors is opened.<br>● When the ignition switch has been turned off and then turned to ON. |