

■ THEFT DETERRENT SYSTEM

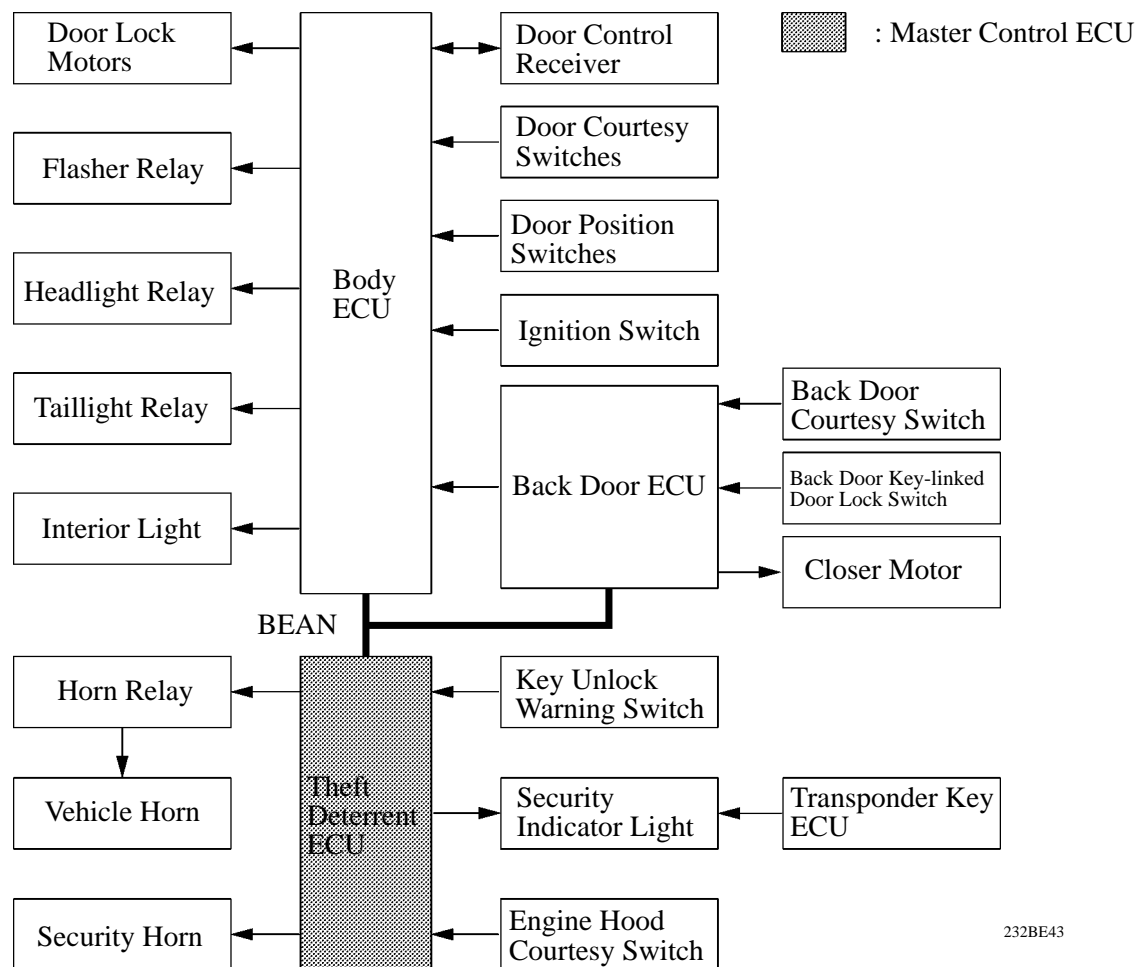
1. General

- This system has been provided as standard equipment on the Limited grade model and as optional equipment on the SR5 grade model.
- The theft deterrent system use the door lock control system and wireless door lock remote control system parts. The theft deterrent system will operate when somebody attempts to forcibly enter the vehicle, open the engine hood, or when the battery terminals are removed and reconnected.
- The control of this system is effected by the theft deterrent ECU, which maintains communication via the body ECU and BEAN (Body Electronics Area Network).
- The warning specifications of this system are listed below.

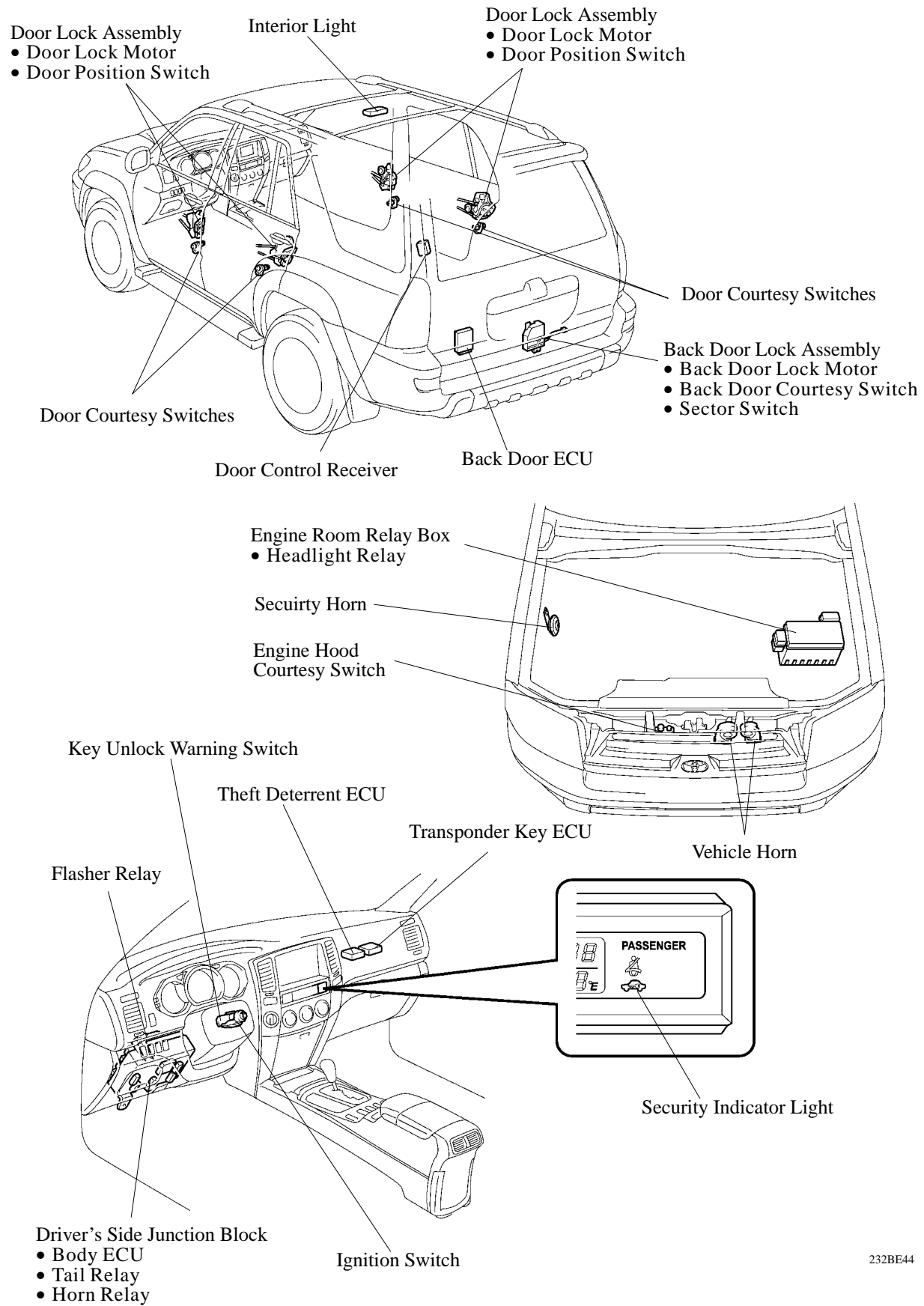
► Warning Specifications ◀

Warning Method	Interior Light	Illuminates
	Hazard Light	Flashing
	Headlights and Taillights	Flashing
	Vehicle Horn	Sounds a warning at approx. 0.4 second cycles
	Security Horn	Sounds a warning at approx. 0.4 second cycles
	Door Lock Motor	Locking
Warning Time		57 sec.

2. System Diagram



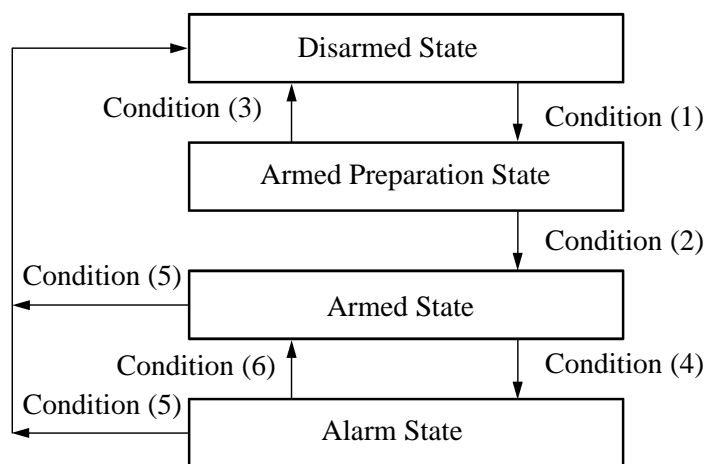
3. Layout of Main Component



4. System Operation

Basic Operation

This system activates as described in the diagram below when one of items place in the respective state.



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Condition	Item
Condition (1)	<ul style="list-style-type: none"> • There is no ignition key in the ignition key cylinder. • When the doors, engine hood, and back door are all closed, the transmitter is used to lock all doors. • When the doors, engine hood, and back door are all closed, the key is used to lock all doors. • When all the doors are locked, one of the doors, engine hood, or back door is changed from “open” to “close”, and all the doors are locked and closed.
Condition (2)	When the doors, engine hood, and back door are all closed and locked, and 30 seconds have elapsed.
Condition (3)	<ul style="list-style-type: none"> • When one of the doors, engine hood, or back door is changed from “close” to “open”. • When one of the doors, engine hood, or back door is changed from “lock” to “unlock”. • When the ignition key is inserted in the ignition key cylinder. • When a terminal is disconnected from the battery and reconnected.
Condition (4)	<ul style="list-style-type: none"> • Any door, engine hood, or back door is opened. • Any door is unlocked with something other than the ignition key or transmitter. • The engine hood is opened. • A terminal is disconnected from the battery and reconnected. • The wiring harness is directly connected as if the turn the ignition switch ON.
Condition (5)	<ul style="list-style-type: none"> • The transmitter is used to unlock the doors. • The ignition key is used to unlock the doors. • The key is inserted in the ignition key cylinder and the ignition switch is turned ON.
Condition (6)	After approximately 60 seconds of the alarm time have elapsed.

Forced Door Lock Operation

When the system starts the alarm state, and one of the doors is subsequently unlocked, the forced door lock operation forcefully outputs a door lock signal to prevent intrusion into the vehicle. This operation becomes activated when all the starting conditions listed below have been met, and stops when one of the stopping conditions occurs.

Condition	Item
Starting Condition	The theft deterrent system is in the alarm state.
	There is no key inserted in the ignition key cylinder.
	If one of the front doors is unlocked.
Stopping Condition	All doors are locked.
	The warning ends after approximately 60 seconds.
	The ignition key is inserted in the ignition key cylinder.