

PRE-CHECK

1. THEFT DETERRENT SYSTEM

When the system is set to the theft deterrent mode and any of the following conditions are met, the system sounds the horns and flashes the headlights and the taillights for approx. 1 minute.

At the same time the system locks all doors (If all door are not locked at once, the system repeats door locking operation every 0.55 seconds during the one minute alarm time).

There are 2 modes in this system, which are active mode and passive mode.

All initial setting are performed in active mode. It can be switched to passive mode by specified operation. (See step 4. CHANGING METHOD OF PASSIVE MODE)

Condition:

- Any of the doors (Including the engine hood and luggage compartment door) is unlocked or opened without the key. *1
- The battery terminal is disconnected and reconnected.
- The system receives panic signal from remote keyless entry. *2

*1: Only active arming mode.

*2: When the ignition key is not inserted in the key cylinder.

There are 4 conditions in this system which are disarming condition, disarming preparation condition, arming condition and alarming condition.

(a) Disarming condition:

- (1) When a user is near the vehicle.
- (2) When the alarming function does not operate.
- (3) When theft deterrent function is not performed.

(b) Disarming preparation condition:

- (1) Time from a user locks a door to be leaves the vehicle.
- (2) Time until transferring to disarming condition.
- (3) Theft deterrent function is not performed.

(c) Arming condition:

- (1) When a user leaves the vehicle completely.
- (2) When theft deterrent function is possible.

(d) Alarming condition:

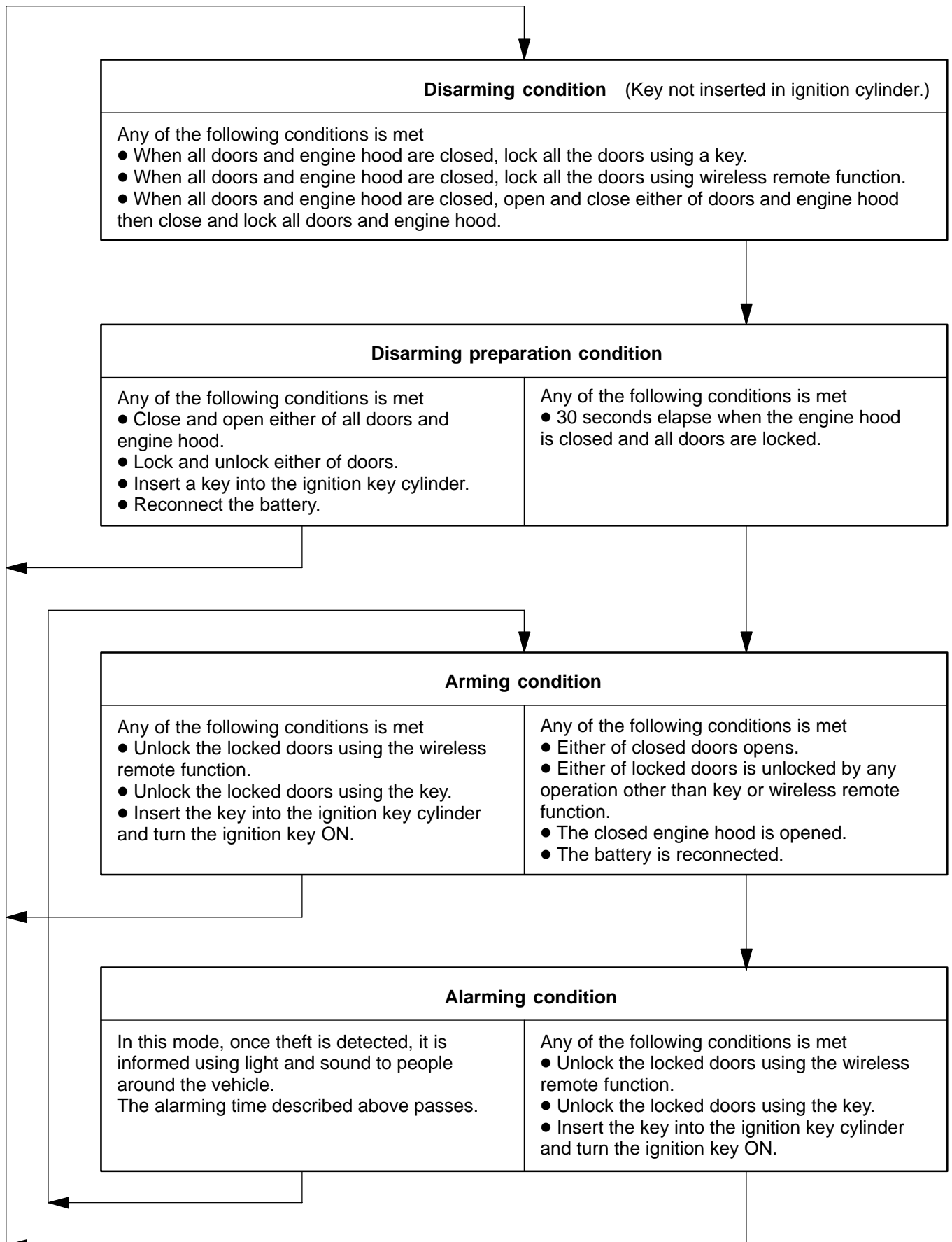
Is this condition, once theft is detected, it is informed using light and sound to people around the vehicle.

Refer to the table for alarming method or time.

Alarming method	Horn
	Security horn
	Headlight
	Taillight
Alarming time	60 seconds
Alarming output	Continuous 0.25 secs. (ON) 0.25 secs. (OFF)

In the arming condition when either of doors is unlocked and with not key in the key cylinder, force lock signal is output.

2. ACTIVE ARMING MODE



Indicator light output:

Condition	Indicator light
Disarming condition	OFF
Arming preparation condition	ON
Arming condition	OFF
Alarming condition	ON

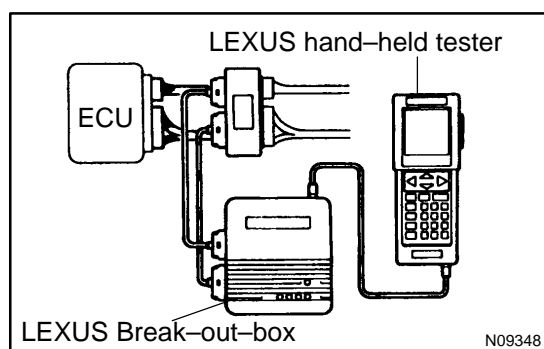
HINT:

Even in disarming condition, the indicator light flash. (Due to the signal output from immobilizer system). The indicator always flashes receiving the signal from the immobilizer system at any time in the arming condition.

Flashing frequency:

0.75 seconds (ON)

1.25 seconds (OFF)



3. ECU TERMINAL VALUES MEASUREMENT BY USING LEXUS BREAK-OUT-BOX AND LEXUS HAND-HELD TESTER

- Hook up the LEXUS break-out-box and LEXUS hand-held tester to the vehicle.
- Read the ECU input/ output values by following the prompts on the tester screen.
- Please refer to the LEXUS hand-held tester has a "Snapshot" function. This records the measured data and is effective in the diagnosis of intermittent problems.