

Description

Burglar Alarm State [B/A State]

B/A State	Description
DISARM	1) In "DISARM" state, no vehicle start inhibition. So, when door, hood, or Tailgate is opened, there is no alarm sound and flashing. 2) If the battery is disconnected while the state is not "ARM/ARMWAIT/ALARM/REARM", B/A state is set to "DISARM" state. 3) In "DISARM" state, security indicator keeps blinking.
ARMWAIT	1) In "ARMWAIT" state, when timer "30sec." is running, if this timer reaches "30sec", state transits to "ARM" state. 2) If the battery is disconnected while the state is "ARMWAIT", B/A state is set to "ARMWAIT" state and timer "30sec" is restarted. 3) In "ARMWAIT" state, security indicator keeps on.

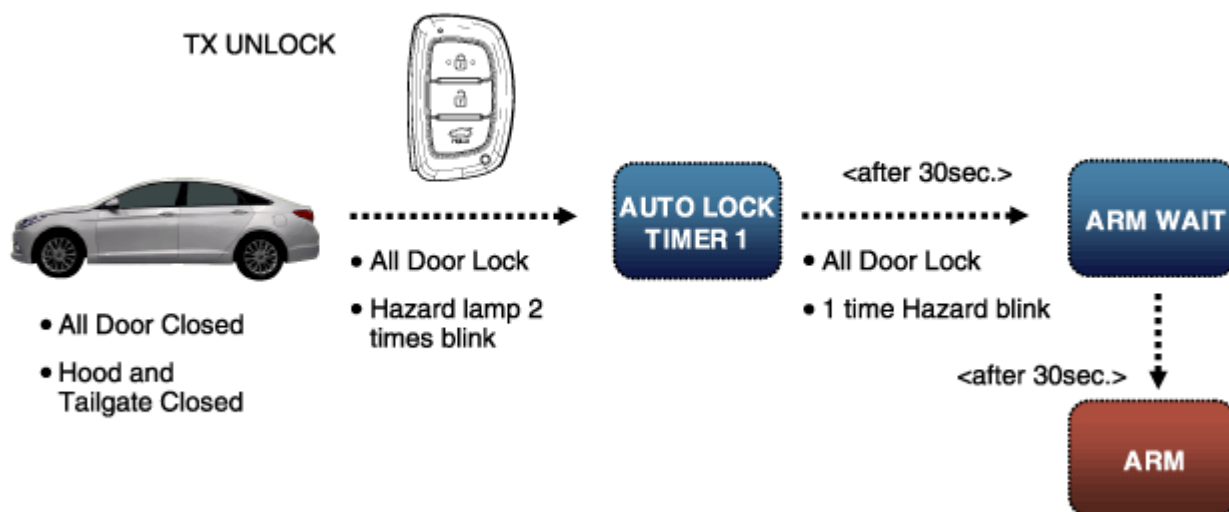
[ARM WAIT Procedure]



â » Remark : On Smart key system, it works the same way with passive lock

B/A State	Description
AUTO LOCK TIMER 1	1) In "AUTOLOCKTIMER1" state, timer "30sec." is running. If this timer expired, the auto lock command is generated "Lock command". 2) When "Lock command" operated, All Door changed lock and closed then B/A state changes "AUTOLOCKTIMER1" to "ARMWAIT" 3) In "AUTOLOCKTIMER1" state, Security Indicator keeps blinking. In "AUTOLOCKTIMER1" state, timer "30sec." is running. If this timer expired, the auto lock command is generated "Lock command". When "Lock command" operated, All Door changed lock and closed then B/A state changes "AUTOLOCKTIMER1" to "ARMWAIT"

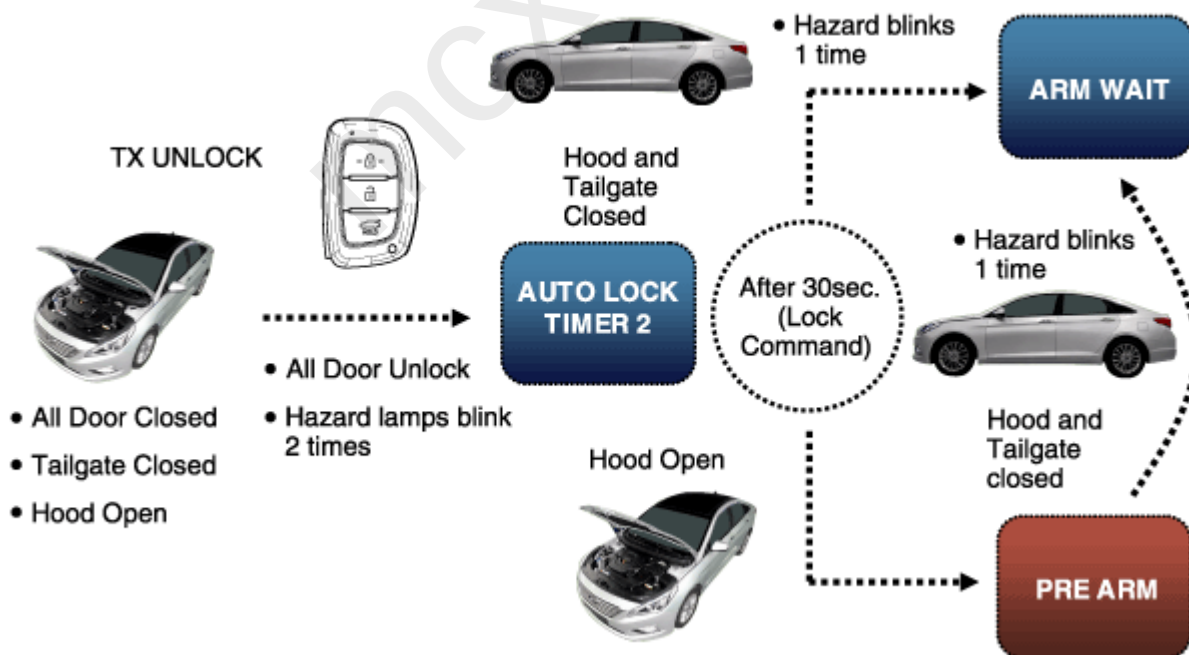
[AUTO LOCK TIMER 1 Procedure]



â » Remark : On Smart key system, it works the same way with passive unlock

B/A State	Description
AUTO LOCK TIMER 2	1) In "AUTOLOCKTIMER2" state, when timer "30sec." is running, if this timer expired, the auto lock command is generated "Lock command". 2) All doors are Locked, Hood is closed and Tailgate is closed when "Lock command" operated, then B/A state changes to "AUTOLOCKTIMER2" when "Lock Command" generated with Hood open. 3) When "Unlock command" operated on the condition of All Door closed and Hood open, B/A state changes to "AUTOLOCKTIMER2". 4) In "AUTOLOCKTIMER2" state, Security Indicator keeps blinking.

[AUTO LOCK TIMER 2 Procedure]



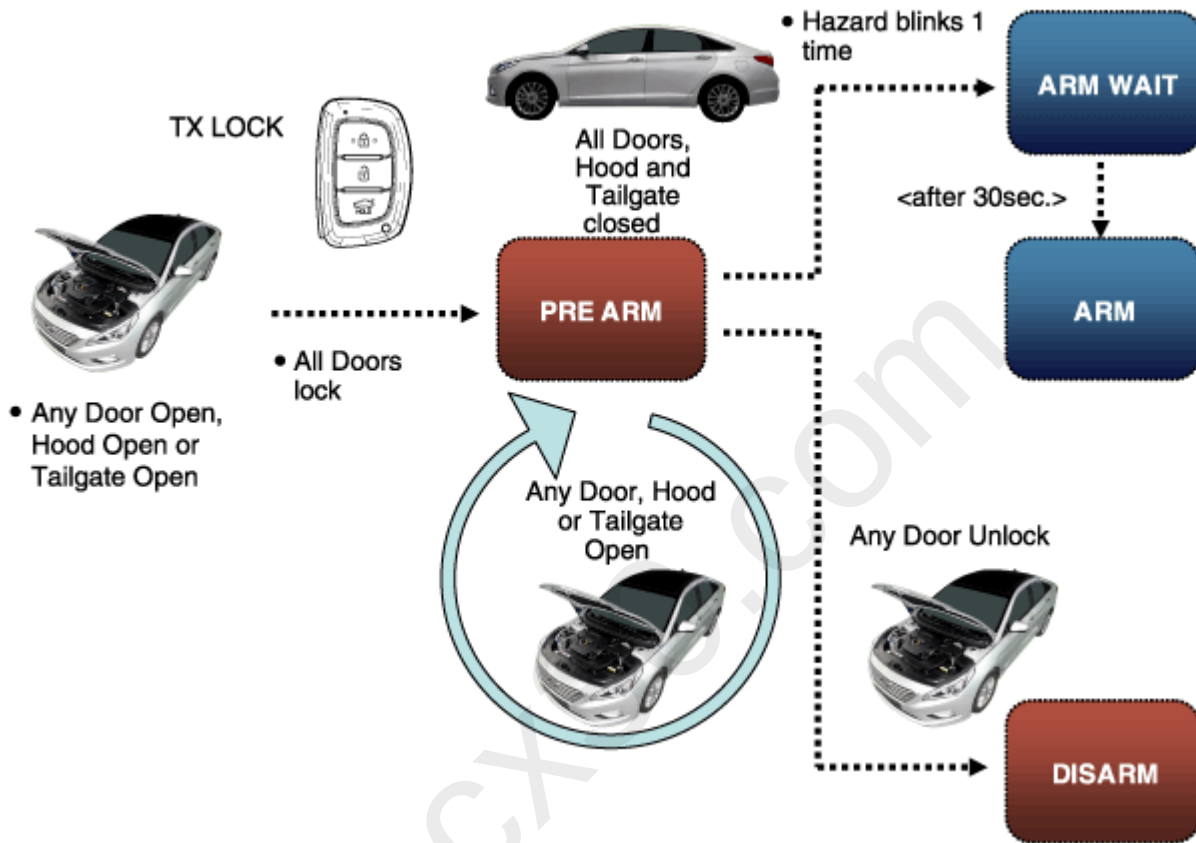
â » Remark : On Smart key system, it works the same way with passive unlock

B/A State	Description
	1) The "PREARM" state is when user try to change to arm but pre-condition are not satisfied (door open, tailgate open, or hood open).

PRE ARM

- 2) B/A state changes to "PREARM" when TX Lock command occurs with any door Open, Hood or Tailgate Open.
- 3) B/A state changes to "PREARM" when "30sec." timer expired in "AUTOLOCKTIMER2" with Hood or Tailgate Open
- 4) The "PREARM" state changes to "ARM" when all doors closed, All doors locked and Hood and Tailgate closed.
- 5) The "PREARM" state changes to "DISARM" when Any Door Unlock
- 6) In this state, Security indicator keeps blinking.

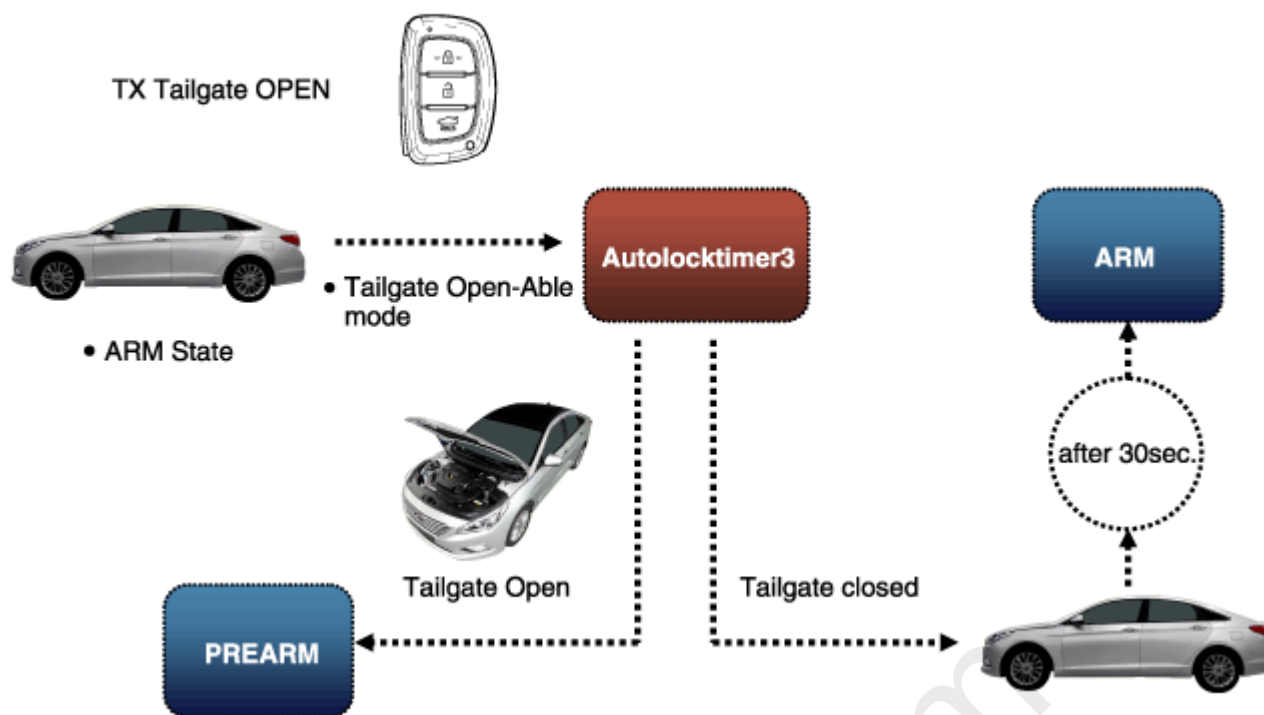
[PRE ARM Procedure]



B/A State	Description
RE ARM	1) In "REARM" state, if the vehicle intrusion is detected, flashing and sound is restarted, again and state transits to "ALARM" state. 2) B/A state changes to "REARM" after the timer "27sec." expires in "ALARM" state with All doors closed and lock. 3) Security Indicator keeps blinking.

B/A State	Description
AUTOLOCK TIMER3	1) B/A state changes to "AUTOLOCKTIMER3", when TX-Tailgate command operated. 2) B/A state changes "AUTOLOCKTIMER3" to "ARMWAIT", when the "30sec." timer expires with all doors lock and closed. 3) B/A state changes "AUTOLOCKTIMER3" to "DISARM", when any door open. 4) In "AUTOLOCKTIMER3" state, timer "30sec." timer is running. If this timer expired, state transits to "PREARM" state with Tailgate Open. 5) In this state, Security indicator keeps blinking

[AUTOLOCKTIMER 3 Procedure]



B/A State	Description
ARM HOLD (Alarm hold : Trunk) â »Non-PTL option	1) The ARM HOLD mode is similar to the trunk alarm hold mode for current cars. 2) If the trunk is opened by a remote controller (including the smart key) in the ARM mode, the Hold mode will be turned on, in which the theft alarm is held for the trunk. 3) As long as the trunk is opened, ARM HOLD mode continues. 4) When the trunk is closed, the 30-second timer is activated. Since the ARM HOLD mode is on for 30 seconds, the theft alarm is not issued even though the trunk is opened. 5) ARM mode is on as soon as 30 seconds after the trunk is closed. 6) Even in ARM HOLD mode, the door and hood are in the ARM mode. They issue alarms normally when a theft occurs. 7) The security indicator keeps flickering during ARM HOLD time.

Note 1 : ARM HOLD is a function that holds the ARM mode on the trunk. It keeps the ARM mode on the door and hood.

Note 2 : When using the ignition key to open the trunk, the ARM HOLD function works in the same way, provided that the "Door Key Burglar Alarm" function should be enabled. if this is disabled, the key-based ARM HOLD is off and using the key to opening the trunk is determined as a theft and the alarm is issued.

B/A State	Description
RE ARM (ARM mode is on again)	1) If the door, hood and trunk are all closed after the termination of ALARM mode, it means that the ARM mode is on again. 2) At this time the actuator state (door lock/unlock) is neglected and ARM mode is kept until the remote control signal is received (normal ARM mode). 3) The security indicator keeps flickering during this mode.
RESET	1) When the battery is removed in ALARM or RE ARM mode, RESET mode is on. 2) When the battery is installed after RESET, the theft alarm operation resumes. (instead of remained output, 27 seconds ON/10 seconds OFF output in three times)

B/A State	Description
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KEY ON 30 second deactivation (Non-Smart Key option)	1) For non-smart cars, a 30-second standby with the ignition key on during ALARM mode will deactivate the theft alarm status. 2) Even before 30 seconds pass, if the engine starts (Alternator "L" terminal voltage is HI: sent from the cluster module to CAN data), the theft alarm is instantly deactivated.(no start proposition control: The immobilizer system is applied by default and the engine start by the registered immobilizer key is allowed though during alarming.) â »In a smart key vehicle, the alarm is deactivated instantly after the smart key authentication.
When ARM mode is on, the trunk OPEN and central door unlock are not allowed.	1) From the moment that the remote controller or smart key based all door lock is activated and ARM standby mode (ARM WAIT) is on, the central door unlock switch of the indoor trunk unlock switch or DDM & ADM (driver seat power window switch & passenger seat power window switch) is disabled. (theft prevention) â »This function works in the same in ARM WAIT, ARM, ALARM and RE ARM modes.

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