



TOYOTA

ALWAYS A
BETTER WAY

Vehicle Security System VSS3 - Hilux

Owner's manual





Read this manual thoroughly before using the VSS3.
Always keep this owner's manual in the vehicle.

Dear Customer,

Congratulations on your purchase of this alarm system which has been designed and manufactured to the highest automotive standards utilising the latest technology for total reliability as per European Community directives.

Please read this manual to get the full benefit of the system.

We suggest that you keep this manual in the car. It will be easier for you to find the information in the event of emergency. Your authorised retailer will be pleased to clarify any queries you may have with the system or its operation if you cannot find the information you need in this manual or in the chapter 'Troubleshooting guide'.

Immunity information

- If any loss is caused by fire, action of a third party, or other accidents, or the user's deliberate or accidental misuse, incorrect use, or use under abnormal conditions, repair of the product will be charged to the user.
- Toyota Motor Europe NV/SA is not liable for any incidental loss caused by the use or non-use of this product.
- Toyota Motor Europe NV/SA is not liable for any damages or incidents consequent to intentional misuse, accidental misuse, or third party use of the device.
- The alarm system will not prevent the car from being stolen.

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Introduction

This alarm system is operated by the original high security remote control described in the car's owner's manual. To programme extra remote controls consult your Toyota authorised retailer.

The alarm system can only be armed and disarmed with the original car remote control. The protection of your car is assured by interior movement and perimetric sensors. The alarm system is self-protected against system attack.

During an alarm, the alarm siren, and the vehicle horn, and the blinkers are activated.

Product functions

The Alarm system performs the following functions:

- Perimetric protection (doors, boot, and bonnet)
- Interior and window breakage protection (by ultrasound sensor)
- Alarm system tampering protection
- Protection against unauthorised starting of the engine
- Self-powered alarm system
- Acoustic and visual alarm signalization
- Alarm system status and diagnostic indication light (LED)
- Additional protection features can be added (inclination sensor module, ...).

Alarm operation

The alarm is activated in the following situations:

- A locked door or boot is opened in any way other than using the alarm system remote control.
- The bonnet is opened while the car is locked.
- The intrusion sensor is activated: when the sensor detects something moving inside the car, or a window is broken.
- The battery terminal is disconnected while the alarm system is activated.

Remarks

The intrusion sensor may be triggered by any of the following:


- Dangling accessories
- Automatic or high pressure car washes
- The impact of hail, lightning strikes, or other kinds of impact or continuous vibrations
- Any open window or sliding roof.
- Seat's material modification (leather) or seat covers usage (Contact your authorised retailer)

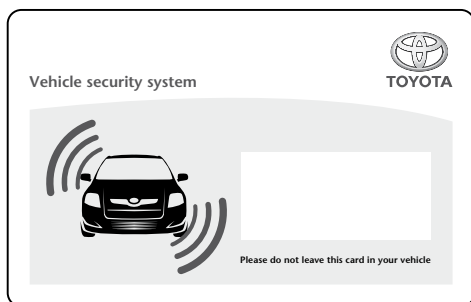
As you will see from paragraph 2.4., the intrusion sensor can be deactivated.

1. PIN code

If the alarm system has been installed in your vehicle, you did receive from the authorized retailer a card (credit card size) with a PIN code (Personal Identification Number) consisting of 4 numbers.

The PIN code is used to deactivate the alarm system in case the remote control stops working. It will also be used by your authorised dealer to change your system configuration.

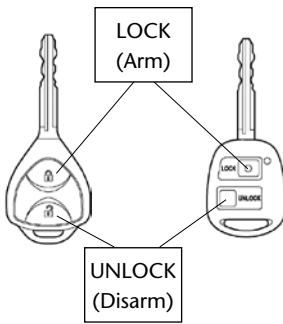
 You should keep this card always with you. Do not leave it in your car.



If you have lost your PIN code, take contact with your authorized retailer.

| To enter the PIN code | |
|-----------------------|---|
| 1 | Press the button on the LED push button the number of times that corresponds to the first digit of the PIN Code, with a maximum 1.5 second delay between one press and the next. If the LED is already on when the button is pressed, it will go out. |
| 2 | Wait for the LED to flash indicating that the next digit can be entered. |
| 3 | Repeat the process for all four digits. |

2. Arm / Disarm



The alarm system will be armed when you lock the car, and disarmed when you unlock the car using the remote key.

2.1. To *ARM* the alarm system

Important:

To prevent false alarm, check that there is no one in the car, and that all windows and sliding roofs are closed before locking the car (see how to deactivate the interior intrusion sensor in paragraph 2.4).

| Action | Hazard light indication | Alarm status light (LED) |
|--|-------------------------|--|
| Remote control: Press the lock button once. | Flashes once. | ON for 30 seconds, then starts flashing. |

Note:

- The car LED blinks to inform you that the immobiliser is set (not linked to alarm system)
- If any door is not securely closed, 10 short beeps will sound (car will not be locked, but alarm system will be armed) and the switch will be deactivated until door is closed properly.
- The system will be armed 30 seconds after the lock button is pressed (pre-arm time).
- If your remote key is not working, you can arm the system by PIN code (see chapter 3.2).

2.2. To *DISARM* the alarm system

| Action | Hazard light indication | Alarm status light (LED) |
|--|-------------------------|--------------------------|
| Remote control: Press the unlock button once. | Flashes twice. | Stops flashing. |

Note:

- If no door is opened within 30 seconds after disarming, the system will re-arm automatically and the doors will be locked again.
- If your remote key is not working, you can arm the system by PIN code (see chapter 3.2).

WARNING:

When the system is armed, do not unlock any door using the key as this will sound the alarm.

2.3. Stop the siren sounding

Unlock the door by the remote control. The siren will stop and the system will be disarmed.

Note:

- If after this, no door is opened within 30 seconds, all doors will automatically lock and the system will re-arm.
- If your remote key is not working, you can arm the system by PIN code (see chapter 3.2).

2.4. Arm without intrusion sensor

If you have to lock the car with somebody inside (passenger, children, dog, ...), or if you want to leave the window open, you must deactivate the intrusion sensor.

| Activation steps | | Hazard light indication | Alarm status light (LED) | Buzzer |
|------------------|---|-------------------------|--------------------------|---------------------------------|
| 1 | Lock the car by the remote control. | Flashes once. | ON for 30 sec. | 1 beep sound if buzzer enabled. |
| 2 | During the first 30 sec., press the lock button again once. | Flashes once. | ON for 30 sec. | 1 beep sound if buzzer enabled. |
| | Summary: press the remote twice within 30 sec. | | | |

Note:

- The interior sensor is deactivated for 1 use only. Next time you arm, the interior sensor will be activated again.

2.5. Arm without additional sensors

For example, if you have an inclination sensor, you need to deactivate it when you are travelling by boat or train, or if you are parking in a car park served by lifts.

If your alarm system has additional sensors, you can deactivate them as follows:

| Activation steps | | Hazard light indication | Alarm status light (LED) | Buzzer |
|------------------|--|-------------------------|--------------------------|---------------------------------|
| 1 | Lock the car by the remote control. | Flashes once. | On for 30 sec. | 1 beep sound if buzzer enabled. |
| 2 | During the first 30 sec., press the lock button again twice. | Flashes once. | On for 30 sec. | 1 beep sound if buzzer enabled. |
| | Summary: press the remote 3 times within 30 sec. | | | |

Note:

- The sensor is deactivated for 1 use only. Next time you arm the alarm, the sensor will be activated again.

2.6. Automatic re-arming

If the car is unlocked using the remote control, and the boot or doors are not opened within 30 seconds, the security system will automatically re-arm when the car automatically relocks.

2.7. Alarm status light (LED)

The status LED is used to give information to the user, during normal operation, and as a diagnostic tool.

| Condition | Alarm status light (LED) |
|-------------------------------------|---|
| Disarm state: | LED off |
| Pre-arm state (30 sec arming time): | LED on |
| Arm state: | LED blinking |
| Alarm state: | LED blinking |
| Programming mode selection: | LED on when entering the mode, after blinking |
| After an alarm: | Number of flashes gives feedback from alarm cause |

2.8. Back-up battery

Your alarm system has a rechargeable battery back-up. It is fully recharged after 12hrs of driving.

3. Features

As well as the alarm function, some extra features are available which can be activated/deactivated. To activate or deactivate any of them, please contact your authorised retailer.

3.1. Door ajar warning

This option is enabled as default.

If any door or the boot is opened when the lock button is pressed, the buzzer will sound for 10 times. The buzzer will stop sounding when all doors are closed, or if the remote control unlock button is pushed.

If the bonnet is opened when the lock button is pressed, the buzzer will sound 3 times with 3 beeps.

Note:

- The alarm system will arm, even if a door is open.

3.2. Alarm override

This function is used if the user loses the remote, or the remote battery is flat.

| To arm / disarm the system | |
|----------------------------|---|
| 1 | Press the button on the LED push button the number of times that corresponds to the first digit of the PIN Code, with a maximum 1.5 second delay between one press and the next. If the LED is already on when the button is pressed, it will go out. |
| 2 | Wait for the LED to flash indicating that the next digit can be entered. |
| 3 | Repeat the process for all four digits. |

3.3. Ignition Controlled door lock

This option is disabled as default. To enable it, please contact your authorised retailer.

When you turn the ignition key ON, the system will lock the doors.

The alarm system will unlock all doors when the ignition is turned OFF.

3.4. Passive arming

This option is disabled as default and can be enabled (at your authorised retailer).

Passive arming mode arms the alarm system automatically without the car being locked. It protects your car in case you forget to lock it.

When this option is activated, it will arm the alarm system after following these steps:

1. The engine is stopped, and the key is removed from the ignition.
2. A door has been opened and all doors have been closed again.

If any door is opened when the alarm system is in passive arming, the siren will sound unless the unlock button on the remote control is pressed.

Note:

- During passive mode, volumetric sensors are activated.
- If you lock the car by remote control, the alarm system shifts to normal arming mode.

Remark:

- The system does *NOT* lock any doors, only arms the alarm system.

3.5. Alarm memory

If the alarm went off during your absence, the hazard lights will flash 5 times when the doors are unlocked, and the buzzer will sound 5 times.

The system memorizes the last alarm causes. They can be identified counting the number of flashes of the LED before switching the ignition ON.

- 1 flash: doors
- 2 flashes: intrusion sensor
- 3 flashes: bonnet
- 4 flashes: ignition key
- 5 flashes: boot
- 6 flashes: alarm system wiring or siren
- 7 flashes: additional sensor

Remark:

- There is a pause of 2 seconds between 2 different alarm memories.

Note:

- If you suspect that the alarm system is sounding due to false alarms, please count the number of LED flashes and contact your authorised retailer.

3.6. Alarm without car horn sound

This option is disabled as default. To enable it, please contact your authorised retailer.

In addition to the standard siren, the car horn can be activated to sound or it can be deactivated.

3.7. Garage mode

If you have to bring your car to your authorised retailer and do not want to provide the remote controlled key, you can deactivate the alarm system for a limited period of time.

During garage mode, all the alarm system functions are inhibited.

This mode has to be manually activated by following this procedure:

1. Disarm by the remote control.
2. Insert the key into the ignition and turn to IG ON.
3. Open the driver door.
4. Press for 3 seconds on the remote lock button.

The hazards and LED will give 1 long flash and a long beep beep will sound for confirmation.

After 5 engine starts, the garage mode will be cancelled. The hazards will flash 5 times.

To exit:

1. Turn IG ON.
2. A long push on the remote unlock button, or on the LED push button.

Note:

During garage mode, the LED will flash at each ignition ON.
The exit from garage mode will be confirmed by 5 hazard flashes.

3.8. Arming buzzer

This option is disabled as default. To enable it, please contact your authorised retailer.
You can activate the buzzer to sound when you arm/disarm the system.

Remark:

- This can only be done in accordance with the local regulations.

3.9. Buzzer volume adjustment

The volume of the buzzer can be adjusted. Please contact your authorised retailer.

3.10. Intrusion sensor sensitivity mode

This mode will allow you to modify the intrusion sensor sensitivity (Ultrasonic sensors).
In some cases, leather seats or usage of seats protectors may trigger false alarms.
This might be due to the intrusion sensor being too sensitive for the car interior.
In those cases, the intrusion sensor sensitivity can be decreased from “standard” to “low”.
To adjust it, please contact your authorised retailer.

Remark:

- To find out the last alarm cause, please refer to the paragraph 3.5., Alarm memory

4. Technical Specifications

| | | |
|--|-----------------|----------------------------|
| Nominal rated operating voltage: | | +12 V DC |
| Operating voltage range: | | +9 to +16 V DC |
| Maximum overvoltage: | | +24 V DC per 1 minute |
| Maximum reverse voltage: | | -18 V DC per 1 minute |
| Current consumption (max values at 23°C): | - Disarm state: | < 0.5 mA (+12 V DC) |
| | - Arm state: | < 4.5 mA (+12 V DC) |
| | - Alarm state: | < 300 mA (+12 V DC) |
| Maximum operating temperature: | | +85°C |
| Minimum operating temperature: | | -40°C |
| IP grade: | | IP 40 |
| Alarm's siren sound pressure level: | | > 111dB in open field (1m) |

5. Troubleshooting guide

| Problem | Possible causes | Possible solutions |
|--------------------------|--|--|
| System is beeping | | |
| 10 beeps | 1 door/boot or bonnet is open. | Check that all doors are correctly closed. |
| 5 beeps at unlock | Alarm went off while system was armed. | Contact your authorised retailer to find the cause. |
| 8 beeps | Wire harness connection problem/ Siren failure. | Contact your authorised retailer to find the cause. |
| 2 beeps | Door was incorrectly closed during last system arming. | |
| False alarm | | |
| | Intrusion sensors are broken, detached, or incorrectly orientated. | Check and contact your authorized retailer. |
| | Passive arming ON. | Read the passive arming chapter. |
| | | Deactivate passive arming (not applicable for Belgium). |
| | Opened window/sliding roof. | Close all windows and sliding roof. If you wish to keep any open, deactivate the interior movement sensors (see chapter 2.4.). |
| | Hanging clothes/dangling accessories. | Remove them. |
| | People/animals inside. | Deactivate the interior movement sensors (see chapter 2.4.). |
| | Defective door/bonnet/boot switch. | Contact your authorized retailer. |
| | Leather seats or usage of seat protection covers. | Use genuine seat covers, or contact your authorized retailer. |

| Problem | Possible causes | Possible solutions |
|------------------------|---|------------------------------------|
| LED | | |
| Always ON | You are in programming mode. | Close bonnet to exit program mode. |
| Always OFF | System problem. | See No arming. |
| 30 seconds ON | System is still in pre-arm phase. | Wait 30 sec. to enter arm state. |
| Blinking fast at IG ON | Garage mode is activated. | See garage mode. |
| Blinking slow | Alarm system is activated. | |
| No arming | | |
| | Fuse is broken. | Check ECU-B fuse. |
| | Central unit is broken or disconnected. | Contact your authorized retailer. |
| | Wire harness is damaged. | Contact your authorized retailer. |

6. Glossary

ARMING: Operational state in which the product is protecting the vehicle.

DISARMING: Product in the operational state that allows the vehicle to be started without setting off the alarm.

PRE-ARM: Functional state preceding the arm mode, in which the product does not give any alert.

TAMPER: Removal, cutting or disconnection of the power or communication wires.

BUZZER: The internal loudspeaker of the alarm system used as a beeper.

PIN CODE: Personal Identification Number, used to deactivate the alarm system.

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