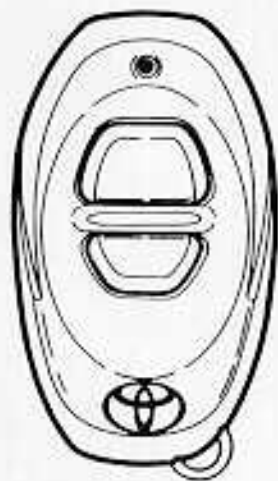




KEYLESS ENTRY SYSTEM

REMOTE CONTROLLED (KEYLESS)

DOOR LOCKING AND UNLOCKING SYSTEM
DESIGNED SPECIFICALLY FOR YOUR TOYOTA VEHICLE



OWNER'S GUIDE

To better understand the features and functions of this security system, please read this Owner's Guide completely prior to use.

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INTRODUCTION

Congratulations on your choice of the Toyota Keyless Entry System! To get the most from this accessory, we strongly recommend that you read this Owner's Guide completely to understand all of the features and functions of the system.

The Keyless Entry System provides the convenience of remote control operation, allowing you to lock and unlock the doors without having to insert the key. It may also be used to activate your vehicle's factory Theft Deterrent System (if so equipped), and will operate the Toyota V.I.P. S1000 security system*, giving you remote arming and disarming capabilities.

SPECIFICATIONS

ECU

No.	ITEM	SPECIFICATIONS
1	OPERATING VOLTAGE	DC +12V
2	ALLOWABLE VOLTAGE	DC +10~+16V
3	OPERATING TEMPERATURE	-30~+65°C -22~+149°F
4	STORAGE TEMPERATURE	-40~+85°C -40~+185°F
5	ECU MAXIMUM OUTPUT CURRENT (UNLOCKING)	LESS THAN 15mA
6	ECU DIMENSIONS	103.6 X 84.6 X 29mm (Approx. 4" X 3 5/16" X 1 1/8")
7	NET WEIGHT	80g (1.75 lbs.)

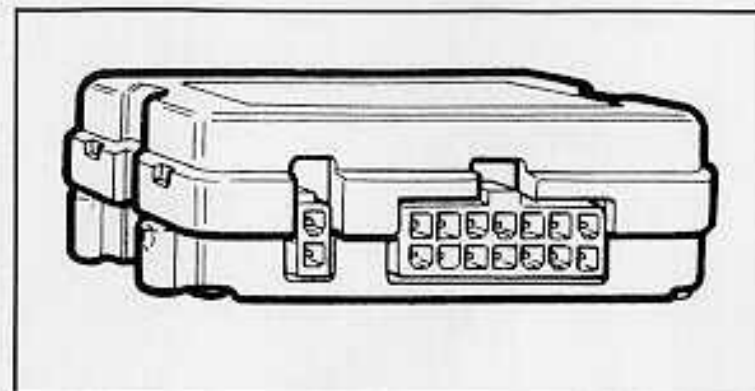
REMOTE CONTROL

No.	ITEM	SPECIFICATIONS
1	RECEPTION FREQUENCY	303.875 MHz
2	CIRCUIT TYPE	SINGLE SUPERHETERODYNE, SUPER REGENERATIVE DETECTION
3	FCC REGULATION	PART 15, SUBPART C
4	ID CODE NUMBERS	2,000,000
5	TRANSMITTING RANGE	APPROXIMATELY 50 FEET

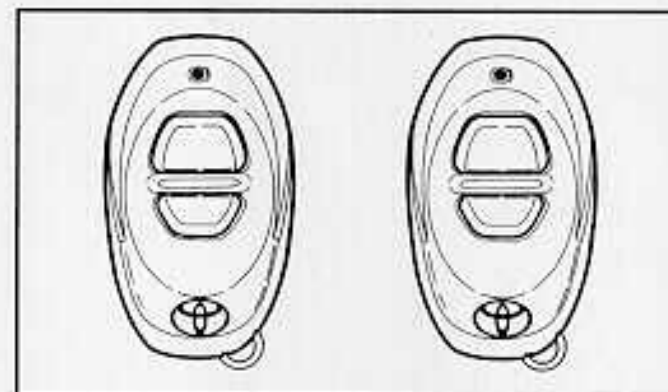
* The V.I.P. S1000 is not available for Avalon, Celica, Land Cruiser, or Supra.
See your Toyota dealer for complete information on the S1000 security system.

SYSTEM COMPONENTS

MAIN CONTROL UNIT (ECU)



REMOTE CONTROL TRANSMITTERS



KEYLESS ENTRY SYSTEM FEATURES

FEATURES	FUNCTIONS
REMOTE DOOR LOCKING/UNLOCKING	The Keyless Entry System will lock and unlock your vehicle's doors with either of the supplied REMOTE CONTROLS.
AUTOMATIC DOOR RE-LOCKING	The Keyless Entry System will automatically RE-LOCK your vehicle's doors when they are REMOTE UNLOCKED, if no door is opened within 30 seconds.
AUTOMATIC DOOR LOCKING & UNLOCKING	The Keyless Entry System is programmed to automatically LOCK all of the vehicle's doors when the ignition key is turned to "ON" or "START", and UNLOCK them when the key is turned back to "ACC" or "LOCK".
INTERIOR LIGHT ACTIVATION	The Keyless Entry System turns on your vehicle's interior lights for 3 seconds after REMOTE DOOR LOCKING, and for 30 seconds after REMOTE DOOR UNLOCKING.*
EXTERIOR LIGHT ACTIVATION TWO BUTTON, THREE CHANNEL REMOTE CONTROLS	The Keyless Entry System flashes the exterior tail and marker lights when REMOTE DOOR LOCKING, and REMOTE DOOR UNLOCKING. Top button: Primary vehicle Bottom: Secondary Toyota vehicle equipped with Keyless Entry System or Toyota V.I.P. RS3000. May also be used to activate the Toyota Garage Door Opener accessory (allows you to use your Keyless Entry System REMOTE CONTROL to activate your garage door opener).
PROGRAMMABLE REMOTE CONTROL CODES	The Keyless Entry System REMOTE CONTROLS have been programmed from a pool of 2,000,000 possible transmitting code combinations, preventing generic remote control operation of your system. The Keyless Entry System ECU (computer) can be easily programmed to operate with up to 4 different REMOTE CONTROLS.
VEHICLE-SPECIFIC INSTALLATION	The Keyless Entry System was designed specifically for your Toyota vehicle, and is built to the same exacting standards applied to every genuine Toyota component.

INITIAL (FACTORY) FEATURE SETTINGS

AUTOMATIC DOOR LOCKING (AT IGNITION ON)	ON
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When shipped from the factory, the Keyless Entry System is programmed to operate with the two included REMOTE CONTROLS. Upon REMOTE DOOR LOCKING and UNLOCKING, the exterior lights will flash, and the interior lights are turned on.* The doors will automatically lock when the key is inserted into the ignition switch and turned to "ON" or "START", and unlock when the ignition switch is turned to "ACC" or "LOCK".

For more detailed information, please refer to the "OPERATION" and "CONVENIENCE FEATURES" sections of this manual. For information on tailoring the operation of the Keyless Entry System to meet your needs, refer to the "PROGRAMMING AND ADJUSTMENTS" section.

*This feature does not apply to vehicle's equipped with the factory Theft Deterrent System.

OPERATION

REMOTE DOOR LOCKING & UNLOCKING

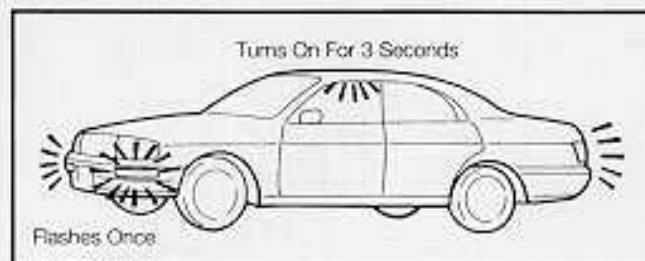
To REMOTE LOCK the doors:

Press and release the top (primary) REMOTE CONTROL button once.

The doors will lock. *(All of the doors must be closed beforehand.)*

The exterior (tail/marker) lights will flash once.

The interior lights will turn on for 3 seconds *(as long as the dome light switch is set to the "DOOR" position).**



To REMOTE UNLOCK the doors:

Press and release the top (primary) REMOTE CONTROL button once again.

The doors will unlock.

The exterior (tail/marker) lights will flash twice.

The interior lights will turn on for 30 seconds *(as long as the dome light switch is set to the "DOOR" position),** or until the doors are closed.



*This feature does not apply to vehicles equipped with the factory Theft Deterrent System.

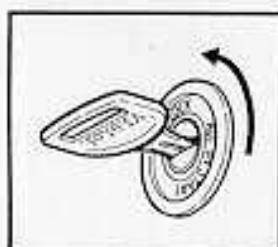
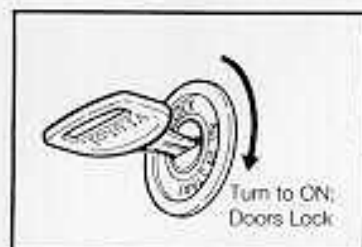
CONVENIENCE FEATURES

AUTOMATIC DOOR RE-LOCKING

The Keyless Entry System will automatically RE-LOCK the vehicle's doors if no door is opened within 30 seconds after UNLOCKING the vehicle by REMOTE CONTROL.

AUTOMATIC DOOR LOCKING/UNLOCKING

The Keyless Entry System is programmed to automatically lock your vehicle's doors when the ignition switch is turned to "ON" or "START", and unlock them when the ignition switch is turned off ("LOCK"). This feature will operate only once (AUTOMATIC LOCK, then AUTOMATIC UNLOCK) before a door is opened and closed again. The AUTOMATIC LOCKING feature will not work if a door is open; the AUTOMATIC UNLOCKING feature will not work if a door is unlocked and opened before turning the ignition switch off ("LOCK").



NOTE: The factory preset operation of this feature is AUTO DOOR LOCK/UNLOCK "ON". If you would like to change the AUTO DOOR LOCK/UNLOCK function to "OFF", refer to the PROGRAMMING AND ADJUSTMENTS section of this manual for instructions.

INTERIOR LIGHT ACTIVATION

When the vehicle's doors are REMOTE LOCKED, the Keyless Entry System turns on the vehicle's interior lights for 3 seconds* (as long as the dome light switch is set to the "DOOR" position). When they are REMOTE UNLOCKED, the interior lights are turned on for 30 seconds,* or until the doors are closed.

*This feature does not apply to vehicle's equipped with the factory Theft Deterrent System.

OPERATION WITH THE FACTORY THEFT DETERRENT SYSTEM

REMOTE CONTROL ARMING AND DISARMING

The Keyless Entry System may be used to activate the factory Theft Deterrent System available in some Avalons, some Previas, and all Supras. When the doors are REMOTE LOCKED, the factory Theft Deterrent System is activated to ARM (30 seconds after the door is locked), and DISARM when the doors are REMOTE UNLOCKED.

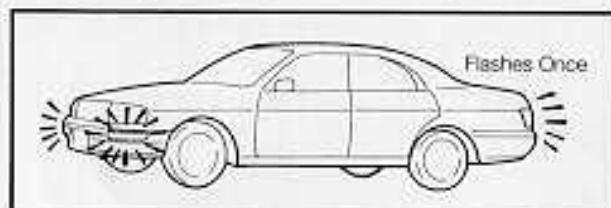
NOTE: The INTERIOR LIGHT ACTIVATION feature described in other sections of this manual does not function in vehicles equipped the factory Theft Deterrent System.

To arm the factory Theft Deterrent System by REMOTE CONTROL:

Remove the key from the ignition switch.
Exit the vehicle, and close all entry points (doors, trunk or hatch, and hood).
(The Theft Deterrent System will not arm if any of these is open.)
Press and release the REMOTE CONTROL's top button once.

- The vehicle's doors are locked.
- The exterior (tail/marker) lights flash once.
- The vehicle's "SECURITY" LED turns on.

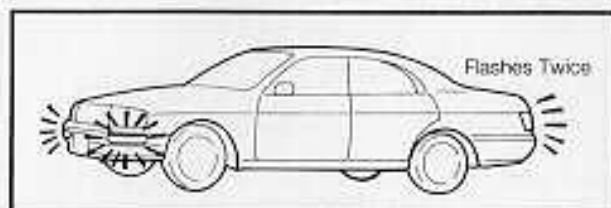
After 30 seconds, the Theft Deterrent System ARMS, and the "SECURITY" LED flashes.



To disarm the factory Theft Deterrent System by REMOTE CONTROL:

Press and release the REMOTE CONTROL's top button once:

- The vehicle's doors are unlocked.
- The exterior (tail/marker) lights flash twice.
- The vehicle's "SECURITY" LED turns off.



AUTOMATIC RE-ARMING

When the Keyless Entry System automatically RE-LOCKS the doors, it will also activate the factory Theft Deterrent System 20 seconds later. See AUTOMATIC DOOR RE-LOCKING for more complete details.

OPERATION WITH THE TOYOTA V.I.P. S1000 SECURITY SYSTEM

The Keyless Entry System was designed to interface with and control the optional Toyota V.I.P. S1000 security system. With these two systems combined, the S1000 security system is activated to ARM by a signal from the Keyless Entry System ECU when the vehicle's doors are REMOTE LOCKED. The S1000 is activated to DISARM when the doors are REMOTE UNLOCKED. When the Keyless Entry System AUTOMATICALLY RE-LOCKS the vehicle's doors, the S1000 is AUTOMATICALLY RE-ARMED.

NOTE: When the Keyless Entry System activates the S1000 to ARM upon REMOTE DOOR LOCKING, the EXIT DELAY is eliminated. When the S1000 has been ARMED in this manner, you must use the REMOTE CONTROL to REMOTE UNLOCK the doors (which activates the S1000 to DISARM at the same time). The reason is that there is no ENTRY DELAY when the system was REMOTE ARMED, and the S1000 security system will TRIGGER if a door is opened.

REMOTE CONTROL ARMING AND DISARMING

To arm the S1000 by REMOTE CONTROL:

Remove the key from the ignition switch.

Exit the vehicle, and close all of the doors. (The S1000 security system will not arm if any of the doors is open.)

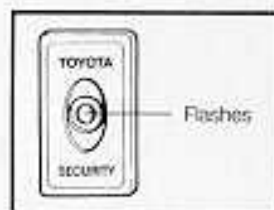
Press and release the REMOTE CONTROL's top button once.

The exterior (tail/marker) lights flash once.

The STATUS MONITOR LED starts flashing.

The vehicle's interior lights turn on for 3 seconds (as long as the dome light switch is set to the "DOOR" position).

The vehicle's doors are locked.



To disarm the S1000 by REMOTE CONTROL:

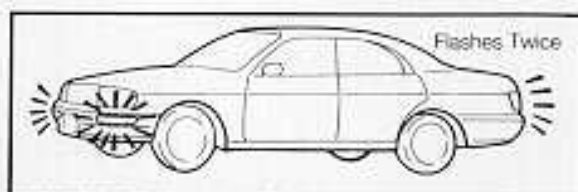
Press and release the REMOTE CONTROL's top button once again:

The exterior (tail/marker) lights flash twice.

The STATUS MONITOR LED stops flashing.

The vehicle's interior lights turn on for 30 seconds, or until the doors are closed (as long as the dome light switch is set to the "DOOR" position).

The vehicle's doors are unlocked.



OPERATION WITH THE TOYOTA V.I.P. S1000 SECURITY SYSTEM

AUTOMATIC RE-ARMING

When the Keyless Entry System automatically RE-LOCKS the doors, it will activate the S1000 to RE-ARM at the same time. See AUTOMATIC DOOR RE-LOCKING more complete details.

MISCELLANEOUS

REMOTE CONTROL RANGE

The operating range for the Keyless Entry System's REMOTE CONTROLS is approximately 50 feet. Several factors that may affect your REMOTE CONTROL's actual performance, include, but are not limited to:

- ⇒ The REMOTE CONTROL battery's strength* (weak battery = decreased performance)
- ⇒ Your position relative to the vehicle (dependent on the system's antenna wire location).
- ⇒ Objects in the path between you and your vehicle.
- ⇒ Your surroundings (in a parking structure, out in the open, etc.).
- ⇒ Outside electrical interference caused by high tension power lines, etc.

*As the REMOTE CONTROL's battery becomes weaker, the LED indicator becomes dimmer. When you notice the LED becoming dimmer, you should replace the battery.

PROGRAMMING AND ADJUSTMENTS

AUTOMATIC DOOR LOCKING/UNLOCKING FUNCTION

The factory setting for the AUTOMATIC DOOR LOCKING/UNLOCKING FUNCTION is ON.

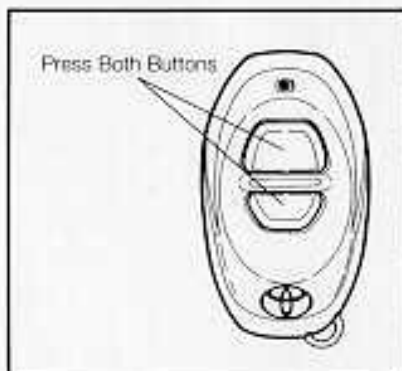
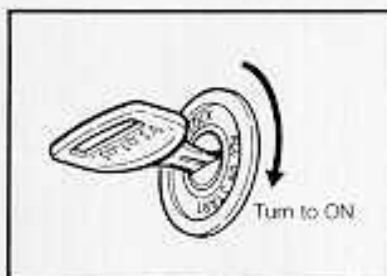
To change this feature's operation, follow the steps below:

- 1) Insert the key into the ignition switch, and turn it to "ON".
- 2) Using 1 REMOTE CONTROL, press both buttons for over 2 seconds, then release.
The exterior (tail and marker) lights turn on.

—YOU MUST PERFORM THE NEXT STEPS WITHIN 30 SECONDS—

- 3) Select the operating mode.

Mode	Programming Step	Programming Completion
AUTOMATIC DOOR LOCKING & UNLOCKING ON	Press and release the top REMOTE CONTROL button one time. (The exterior lights flash once.)	Turn the ignition switch to the "LOCK" position. (The exterior lights flash 3 times, then shut off.)
AUTOMATIC DOOR LOCKING & UNLOCKING OFF	Press and release the bottom REMOTE CONTROL button one time. (The exterior lights flash twice.)	Turn the ignition switch to the "LOCK" position. (The exterior lights flash 3 times, then shut off.)



*If you do not turn the ignition key to "LOCK", or you exceed 30 seconds during the programming steps, the previous operation mode will remain unchanged.

PROGRAMMING AND ADJUSTMENTS

REMOTE CONTROL PROGRAMMING

The Keyless Entry System can be programmed to be operated by as many as 4 REMOTE CONTROLS. Additionally, a REMOTE CONTROL's top and bottom buttons may be assigned to operate different vehicles' Keyless Entry Systems or Toyota V.I.P. RS3000 security systems, and both buttons can be programmed to operate the system in one vehicle. To add or delete a REMOTE CONTROL, you must access the Keyless Entry System ECU (computer; ECU location varies by vehicle, and vehicle model).

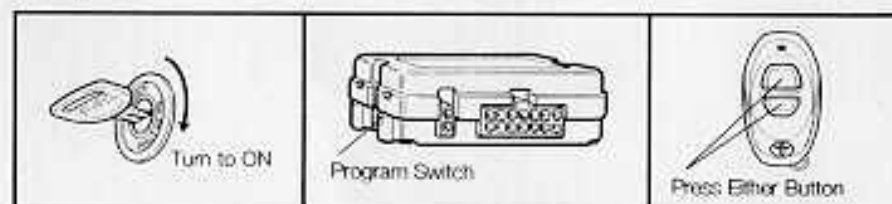
NOTE: Please contact your Toyota dealer for an appointment to program REMOTE CONTROLS to your system. Additional REMOTE CONTROLS may be purchased in your Toyota dealer's parts department.

To program (add) a REMOTE CONTROL to the system:

- 1) Insert key into the ignition switch, and turn it to "ON".
- 2) Press and hold the ECU's PROGRAMMING SWITCH for over 2 seconds.
The exterior lights turn on for 5 seconds.

—YOU MUST PERFORM THE NEXT STEP WITHIN 5 SECONDS—

- 3) Press and release a REMOTE CONTROL's top or bottom button.
The exterior (tail and marker) lights flash once, then turn off.
- 4) Turn off the ignition. The system will now operate with the REMOTE CONTROL just programmed.



NOTE: The factory preset operation is for only the top button on both REMOTE CONTROLS to operate your system; the bottom button is not programmed. To prevent accidental erasure of a REMOTE CONTROL code, we recommend that all REMOTE CONTROLS be programmed at the same time.

To erase all REMOTE CONTROL codes from the system:

- 1) Repeat steps 1 and 2 from above.

—YOU MUST PERFORM THE NEXT STEP WITHIN 5 SECONDS—

- 2) Press and hold the ECU's PROGRAMMING SWITCH for over 2 seconds **again**.
The exterior lights flash 3 times, then turn off.
- 3) Turn off the ignition. All REMOTE CONTROL codes have now been cleared; the system will not work with any REMOTE CONTROL until another one is programmed.

REMOTE CONTROL BATTERY REPLACEMENT

When the operating range of the REMOTE CONTROL diminishes, and/or the LED on the REMOTE CONTROL has become weak or dim, battery replacement is required. You may obtain a replacement battery from your Toyota dealer, or purchase one from a drug store, etc. The battery type is a LITHIUM CR2025.

NOTE: We recommend replacing the batteries in your REMOTE CONTROLS once a year to maintain optimum operating range.

PRECAUTIONS

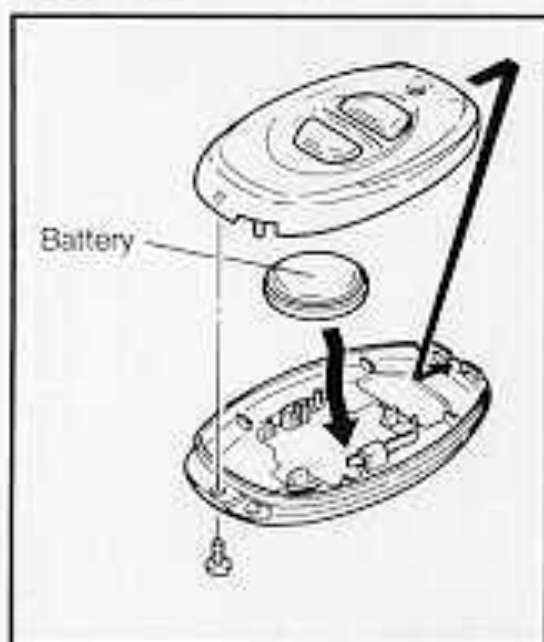
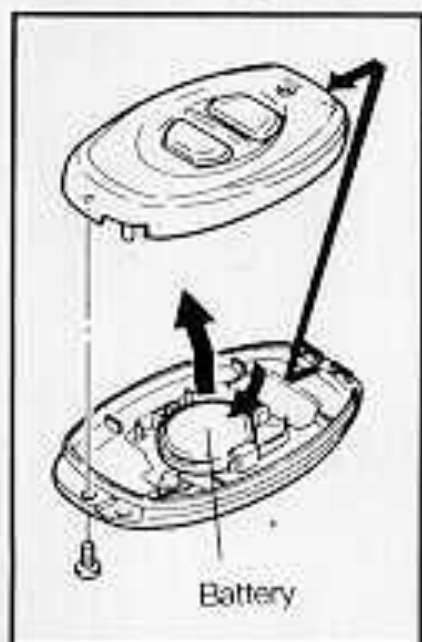
Always handle the battery using a dry cloth. Do not handle a battery with bare hands; body oils may interfere with the contacts and cause a malfunction.

The expected battery life (with normal usage) is 1 year; the life of the batteries in the supplied REMOTE CONTROLS may be shorter than 1 year.

BATTERY REPLACEMENT

To replace the REMOTE CONTROL's battery:

- 1) Remove the screw securing the two halves of the REMOTE CONTROL case.
- 2) Remove the back cover.
- 3) Remove the old battery, using caution to not bend the battery contacts.
- 4) Insert the new battery, positive (+) side down.
- 5) Reassemble the case, and test the REMOTE CONTROL.



NOTE: Replacing the REMOTE CONTROL's battery will not erase the REMOTE CONTROL's code from the ECU (computer).