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EXCALIBUR
GOLD SERIES ®

OWNER'S MANUAL

This manual is written under the assumption that a power doorlock interface is installed with your Vehicle Security System. The type of this interface will vary from vehicle to vehicle, and in some instances may involve optional components. Please note that this system has 25 Programmable Features (easily accessed by the vehicle owner) which allow the customizing of its operations. The Programmable Features, and the addition of optional sensors may affect the exact operations as described in this guide, which reflects a typically-installed system with factory-set conditions of the Programmable Features. This product was designed for professional installation. As this system is capable of utilizing an electronic siren or the vehicle's horn for its audible output, both forms are represented in the text.

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Introduction

Congratulations on the purchase of your new Excalibur Gold security system and on joining over 8 million people worldwide who have trusted their vehicle's security to the designers of Omega Research & Development, Inc. Your Excalibur Gold system combines state-of-the-art security technology with practical, user-friendly convenience features. You will have increased peace of mind knowing that your vehicle, and its contents, are protected. The added convenience features will also enhance the enjoyment and satisfaction of the day-to-day use of your vehicle. To learn how to operate your security system, please become familiar with the following three principal user components: the Remote Transmitter, the Red LED Status Indicator and the Valet Switch.

The Remote Transmitter: Each security system comes with two pre-learned transmitters, but can learn up to 4 different transmitters. The transmitter has three buttons: one large button at the top, near the LED* and two smaller buttons below. This system is pre-programmed, through a built-in learning routine, to have the transmitter buttons work in the following configuration:

The <u>large upper button</u> is used to arm, disarm and panic the security system.

The <u>small center button</u> may be used to operate the trunk release feature; or, in conjunction with the large button, for silent arming or disarming of the system.

The <u>small lower button</u> is used, in conjunction with the large button, to operate remote sensor bypass, and remote valet. Used alone it operates the 3rd Channel Output.

The remote transmitter's operation is explained in more detail on Pages 8-10.

* LED is the abbreviation for Light Emitting Diode, which is used as a visual indicator.

The Valet Switch: This switch is used to place the system into Valet Mode, which prevents manual arming and any automatic system functions which may have been programmed to operate. The Valet Switch is also used, in conjunction with the ignition key, to perform an Override function, which will allow disarming the security system in the event the transmitter becomes inoperable. Please note that if extra secure operation of the Valet Switch is desired, you may underline custom program its override operation by utilizing the Personal Coded Override, which is explained on Page 19. And finally, the Valet Switch is also used as part of the Programmable Features and Transmitter Programming procedures.

The Red LED Status Indicator: Informs you of several possible conditions the security system can be in; and also serves as a visual deterrent to break-ins and theft. The LED Status Indicator is also used as the visual indicator for the Automatic Transmitter Verification™ Feature.

The Valet Switch and the Red LED Status Indicator are supplied with a consolidated mounting enclosure, which places them together for ease of operation, or, if desired, they may be located separately and mounted by alternative methods. Please spend time reviewing this guide to become familiar with your Excalibur Gold vehicle security system. We trust you will find that your new Excalibur Gold vehicle security system performs to your highest expectations, and will give you years of trouble-free convenience and protection.

Please note that your new Excalibur Gold vehicle security system has 25 user and installer Programmable Features, described in detail in a later section, which allows customizing the system's operations, some to suit your personal needs, and others which adapt the system to a particular vehicle's installation parameters.

The Patented Automatic Transmitter Verification™ feature is the industry's first response addressing the growing problem of a professional thief defeating a vehicle security system by coding his own transmitter to operate the system. Previously, garage door openers were commonly duplicated by burglars to gain home entry. Now when you leave your vehicle and keys with any individual for any reason, you will have the peace of mind of knowing that only your transmitters will operate the security system and that no other person has coded extra transmitters to steal your vehicle.

Transmitter Code Jumping™: When the remote control transmitter is operated, a switch upon it is pressed so that it may transmit an encoded Radio Frequency (RF) signal. The word "frequency" denotes the wavelength of the signal, and the encoding is a digital message within the signal which ensures the correct command is followed by the proper receiving system. A common analogy used to illustrate this is a common pocket radio - the frequency denotes where to turn the radio's dial to hear a particular program, and the encoding is the language and words which, if correct, are understood by the listener.

Each time you transmit a code to the security system, the transmitter and security system will advance to another code to use for the transmission. The Code Jumping™ Transmitter prevents a thief from using a "code grabber" device to record and play back a transmission for the purpose of disarming your vehicle security system. Please note that pressing the transmitter's arm/disarm button many times *while it is out of range* of the security system can advance its codes beyond the range of recognition. If this occurs, simply press the arm/disarm button a few times *within range of the system* to resynchronize the Code Jumping™ sequence between the transmitter and the security system control module.

Excalibur Gold Advanced System Features

Automatic Transmitter Verification™: Your Excalibur Gold vehicle security system is protected against a weakness which is shared by all other remote security systems, even factory-equipped Remote Keyless Entry systems: a thief's ability to code his own, unauthorized transmitter to operate your system for the purpose of stealing your vehicle or it's contents.

> **IMPORTANT NOTE: For the first 48 hours after your new system is installed, every time the ignition switch is turned "on", the siren will chirp rapidly (or the horn will honk rapidly) for two seconds, and the LED Status Light will flash for 90 seconds. *This will also occur in***

the event of a new transmitter code being entered into the system.

Also, in normal operation, every time the ignition switch is turned "on", the LED Status Indicator will flash and pause for ten seconds, the number of flashes between each pause being equal to, and confirming, the number of transmitters encoded to operate your system. For example: two flashes and a pause indicate that only two transmitters are coded to operate your system. In the event the system alerts you to a recent transmitter addition, or if the LED Status Indicator flashes a total different from the number of transmitters you have programmed to operate your system, you can now immediately reprogram your transmitters, effectively erasing any unauthorized transmitters.

Transmitter Operations

Small Center Button- If this button is held for 3 seconds, the security system will activate the trunk release function.
If this button is pressed and then the large button is pressed within 3 seconds, the security system will arm or disarm without audible confirmation.

Red LED Light- Illuminates and confirms transmission whenever a button is pressed.
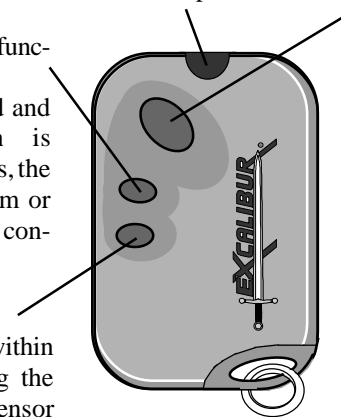

Small Lower Button-
If this button is pressed within 3 seconds after arming the system, the Auxiliary sensor will be turned off.
If this button is pressed within 3 seconds after disarming, the system will enter Remote Valet.
Pressing this button for 3 seconds may be used to activate other optional modules through the 3rd channel output (Example: remote car starting equipment).

Large Upper Button- Pressing and releasing this button will arm and disarm the security system. If the optional doorlock interface is installed, the doors will lock upon arming, and unlock upon disarming. If you have the optional unlock driver's door feature, then upon disarming only the driver's door will unlock, and if the large button is pressed again within 3 seconds, all of the doors will unlock.
Pressing and holding this button for 3 seconds will "Panic" the system- which will sound the siren or horn, flash the exterior lights, and also lock the doors.

The Remote Transmitter

Transmitter Button Operation: The transmitter's three buttons individually control the system's functions; and certain other operations may be performed by first pressing and releasing one, then another button in sequence. Complete transmitter button operations are:

1) **Arm / Lock:** (System Disarmed) Press and release the Large Upper Button.
2) **Disarm / Unlock #1:** (System Armed) Press and release the Large Upper Button.
3) **Unlock #2:** (After the previous step) Press and release the Large Upper Button again.
4) **Remote Panic Feature:** (At any time) Press and hold the Large Upper Button 3 seconds.
5) **Trunk Release Output:** (At any time) Press and hold the Small Center Button 3 seconds. This operation also disarms the system (if armed).
6) **3rd Channel Output:** (At any time) Press and hold the Small Lower Button for 3 seconds.
7) **Silent Arm / Lock:** (System Disarmed) Press and release the Small Center Button, then press and release the Large Upper Button.
8) **Silent Disarm / Unlock:** (System Armed) Press and release the Small Center Button, then press and release the Large Upper Button.
9) **Arm and bypass the Auxiliary Sensor:** (System Disarmed) Press and release the Large Upper Button, then press and release the Small Lower Button.
10) **Disarm, then Remote Valet:** (System Armed) Press and release the Large Upper Button, then press and release the Small Lower Button.

4) The LED will change to flashing the new Bank level number between pauses.

5) Release the Small Center Button. The transmitter will now operate in the new Bank.

When attempting to enter Bank Selection Mode, please note that the transmitter alternates entering Bank Selection Mode and transmitting a signal. When attempting to enter Bank Selection Mode, if the transmitter's LED rapidly flashes, it is transmitting; simply repeat the steps listed above to enter Bank Selection Mode.

Arming The System Using The Transmitter

To "arm" your security system is to place it into a state whereby it will respond to any detected intrusion attempt. The security system can always be armed from the transmitter provided the ignition switch is "off", and the system is disarmed and not in the Valet Mode. To arm the system, after you exit the vehicle and close all of the doors, simply <u>press and release the large transmitter button once</u>, Instantly the exterior and interior lights will flash once, the siren will chirp once (or the horn will honk once) and the LED Status Indicator will begin to flash confirming that the system is armed. Further, the doors will lock and the starter interrupt circuit will prevent any attempt to start the vehicle. Three seconds after the single siren chirp (or horn honk) and light flash, your security system is fully armed, and is ready to respond if an intrusion attempt is detected.

Please note that certain conditions will affect the previously described system operations - if the ignition switch is "on", the security system cannot be armed, but pressing and holding the transmitter's Large Upper Button for 3 seconds will engage the Panic Feature. The Trunk Release output will not operate with the ignition "on", *unless a door is open*. The 3rd Channel output may be operated regardless of the ignition switch's status. Also, while in Valet Mode, the system cannot become armed, but will still operate the vehicle's doorlocks, parking and dome lights, trunk release, and any function operated by the 3rd Channel Output.

Multiple Car Operation - Changing Transmitter Banks: The transmitter button operations explained on the previous pages are applicable for up to four different Excalibur Gold vehicle security systems (i.e. - all three transmitter buttons will operate properly on one system without affecting other systems operable by the same transmitter). This is accomplished by "changing banks" on the transmitter:

1) Rapidly press the transmitter's Small Center Button 4 times, holding it depressed on the fourth press. The first three presses must be released before the transmitter's LED lights.

2) The transmitter LED will now be flashing 1 to 4 times between pauses. The number of flashes indicates the current bank level (1 flash = Bank One; 2 flashes between pauses = Bank Two; etc.). Continue to hold the Small Center Button depressed.

3) To change banks, press and release the Large Button the number of times equal to the desired Bank level number.

Arming Bypass: Upon arming, if any protected circuit is inoperable, that circuit will be bypassed. For example, if the trunk is left open, you can still arm the system normally from the transmitter. The bypassed circuit will automatically be reinstated for protection 5 seconds after that circuit becomes operative, i.e., the trunk is closed. When a triggered circuit is in a bypassed state, all other operating circuits will be protected normally.

Silent Arming and Disarming: Upon arming or disarming, if the confirmation siren chirps (or horn honks) are not desired, simply press and release the transmitter's small center button before pressing and releasing the large button.

Sensor Bypass: Your Excalibur Gold system provides you with the convenient option of temporarily deactivating the Auxiliary Sensor without affecting any other trigger circuit. To deactivate the Auxiliary Sensor, simply press and release the small lower transmitter button within 3 seconds after pressing the large transmitter button when arming the system. You will hear a second siren chirp (or horn honk), confirming the security system has armed without the sensor circuit protecting the vehicle. The next time you arm the security system, the system will reset to its normal condition, and the Auxiliary Sensor will again be part of your protection. If desired, a second Auxiliary Sensor may be easily added to your system.

You may program your Excalibur Gold security system to automatically arm and, if desired, also lock the doors. This feature is described in the following section. Automatic Rearming is another method whereby the system can become armed. This is a Programmable Feature, which may be configured to operate if desired, and is described on Page 14.

Passive System Arming And Rearming

Automatic Last Door Arming: Your security system can be programmed to arm automatically when the vehicle's last door is closed. The moment the last door closes the siren will chirp once (or the horn will honk once), the parking lights and dome lights will flash once and the LED Status Indicator will begin to flash rapidly. Thirty seconds later the siren will again chirp once (or the horn will honk again), the lights will flash once, the doors will lock (if the Last Door Lock feature has also been chosen) and the LED Status Indicator will slow to a steady flash, confirming that the security system is fully armed. However, if a point of entry is reopened before the single siren chirp (or horn honk) and light flash at 30 seconds, this passive arming process stops, and will reset to start over again when that point of entry is reclosed.

"Automatic Last Door Arming" offers a high level of security, since it does not require you to remember to arm the security system when you leave your vehicle. Additionally, Automatic Last Door Arming may entitle you to an insurance discount. Please note that the previously described Arming Bypass feature does not operate with Automatic Last Door Arming. The Arming Bypass is designed to operate only when arming from the transmitter, because all protected entries must be closed prior to the Automatic Last Door Arming sequence to start.

To prevent the system from automatically arming while the vehicle is being refueled you should put the system in Valet Mode, or keep your door open. We do not recommend leaving

your ignition key turned "on". Last Door Arming does not effect the operation or use of the transmitter to arm the system - if desired, the transmitter may still be used to arm the system at any time.

Automatic Rearming: Selecting this feature adds Automatic Rearming, which is independent of Automatic Last Door Arming. This feature will cause the system to automatically rearm itself 90 seconds after disarming, unless the ignition switch is turned "on". This prevents the accidental disarming of the system by the inadvertent pressing of the transmitter's button while placing it in a purse or pocket. If the "Automatic Relocking" Programmable Feature is utilized, the doors will also lock when the system automatically rearms. Automatic Rearming is indicated by a fast flashing LED Status Light during the 90 seconds, then a parking and dome light flash when the system rearms.

Remote Valet: This Feature, which operates as part of the Automatic Rearming Feature, will temporarily cancel the Automatic Rearming. To use Remote Valet, press and release the small lower transmitter button within 3 seconds after pressing the large transmitter button when disarming the system. The parking lights will flash on and off, and the LED Status Indicator will illuminate steady to confirm Remote Valet operation. The system will remain in Remote Valet mode until armed again by transmitter; or, the Valet Switch may be pressed.

Security System Armed And Activated

While the security system is armed, the LED Status Indicator will be flashing. Should any intrusion attempt occur, your system will instantly activate, or "trigger". Once triggered, the system will:

1) Sound the electronic siren or the vehicle's horn. The siren features six different tones, and every 5 seconds the siren will change the tone to generate more attention to the vehicle. The horn will sound a series of honks, sounding for one second, then pausing one second. Every ten seconds, the horn honking will pause completely for 5 seconds, which avoids overheating the horn. This will occur for the duration of the activated cycle.

2) The exterior lights will flash.

3) The doors will relock. This feature is so unique that the security system monitors the status of the door and, if open, the system waits until the door is closed, at which time it relocks the doors, so that the thief cannot easily regain entry.

The siren (or horn) and the parking lights will stay active for 60 seconds, or, unless you disarm the system with the transmitter or by using the Valet Override. If all protected entries are secure at the end of 60 seconds, the system will stop and rearm automatically to detect another entry attempt. If there is a protected entry still open, or an optional sensor still in a triggered state at the end of 60 seconds, the system will reactivate for two more 60 second

cycles. The system will stop after a total of 3 minutes and rearm automatically, while ignoring only the open entry or triggered circuit. When the entry is closed, protection will begin instantly for that circuit.

After the activation of the security system, the disarm confirmation will no longer be 2 siren chirps (or horn honks), and the parking lights staying on. Instead, the system responds by producing 4 siren chirps (or horn honks) and the parking lights and dome lights flash 4 times before staying on for 30 seconds. The LED Status Light changes to flashing two to five times, then pausing 1 second to indicate which protected zone triggered the system. The LED Status Light will continue flashing this Zone Violation Code until the ignition switch is turned "on", which clears the system's LED Status Light memory circuit.

Disarming The System Using The Transmitter

While the security system is in the armed state, pressing and releasing the large transmitter button once will instantly disarm the system and unlock the doors. Disarming is confirmed by the siren chirping twice (or the horn honking twice), and the parking and interior lights turning on for 30 seconds. However, the lights will turn off instantly if the ignition switch is turned "on". If the system was triggered while you are away, the disarm confirmation will change to four siren chirps (or 4 horn honks), 4 light flashes, and then the lights will stay on for 30 seconds, to illuminate the way to your vehicle. The security system will have this response upon disarming until the ignition switch is turned "on", which clears the unit's memory. Anytime the security system triggers, the LED Status Light will

indicate which zone triggered the system by flashing two to five times, pausing between flashes. This violation code will continue to flash, even after disarming. The system can hold four different codes in memory, which is cleared by turning the ignition switch "on".

Your Excalibur Gold vehicle security system offers a very high level of personal safety and convenience with the advanced features utilized upon disarming. The ability to know instantly if your system was triggered while you were away, and the exterior <u>and</u> interior light illumination allows you a lighted approach to your vehicle with the ability to examine the interior before entering. If you wish, you can program the system to turn on the exterior and interior lights for five seconds instead of thirty seconds upon disarming.

Disarming the security system without the use of the remote transmitter, please see the following section.

Easy Valet™ & Personal Coded Override

Valet Mode is a condition, or state, in which the security system may be placed to prevent certain functions from occurring, especially any automatic functions such as Last Door Arming. An Override is an alternative method of disarming an armed and activated system. Therefore, there are two separate and distinct methods to obtain these functions: first is Easy Valet™ Mode, whereby a **disarmed** system may be placed into Valet Mode without the ignition key, and the second is Personal Coded Override Mode, which will disarm an **armed** *or* **activated** system and requires the use of the ignition key.

utilized. To exit the Easy Valet™ Mode, simply momentarily press the Valet Switch. The security system will instantly revert to the disarmed condition. To confirm that Valet Mode has been exited, the LED Status Light will be extinguished. Remember, Easy Valet™ Mode only operates when the security system is in a <u>disarmed</u> state - an armed condition requires using the Personal Coded Override, which may be custom programmed to be operable only by yourself.

Personal Coded Override - How To Disarm The System Without Using The Transmitter: In the event the transmitter is lost, damaged, or otherwise inoperable, the Valet Switch <u>and your ignition key</u> may be used to disarm the system. This is Personal Coded Override, and you may custom program its operation for convenience, or, a higher level of security. As set at the factory, Personal Coded Override operates in the following fashion:

1)   If the security system is armed, and the transmitter not available or operable, have the ignition key ready and enter the vehicle - be prepared for the system to trigger when the door is opened.
2)   Turn the ignition switch "on", and <u>within 5 seconds</u> press and release the Valet Switch once.
        The system will instantly disarm.

Personal Coded Override can offer a higher level of security if desired because, in addition to the ignition key, you may configure a second "stage" to the procedure, and even program a preset number of Valet Switch presses for each stage. Please see Page 28 for further programming and operational details of this Feature.

In most cases the Valet Switch is behind the LED Status Light, as both may be mounted in a special combination holder. Be sure your Excalibur Gold dealer indicates the location of the Valet Switch, and demonstrates its operation, to you to avoid potential inconvenience otherwise.

Easy Valet™ Mode: This unique feature can be utilized anytime the security system is in the <u>disarmed</u> condition. If your Excalibur Gold system is programmed to perform any automatic features, such as Last Door Arming, you will find Easy Valet™ Mode useful when stopping for fuel, having your vehicle serviced, having it valet parked, etc. Easy Valet™ Mode is unique because other security systems require the ignition switch to be "on" to enter Valet Mode, but with this system, the ignition can be either "on" or "off", so the ignition key is not required.

Whenever the security system is <u>disarmed</u>, simply depress the Valet Switch for two seconds to achieve the Easy Valet™ Mode. The system will confirm it is in the Easy Valet™ Mode with two siren chirps (or horn honks), and the LED Status Light will illuminate steady. To remind you that the system is in Easy Valet™ Mode, every time the ignition switch is turned "off" the siren will chirp once (or the horn will honk once). The system will hold memory of the Easy Valet™ Mode condition while the ignition is "on" or "off", or even if power is removed from the system.

While in the Easy Valet Mode™, the transmitters can still operate the Panic Feature, the power doorlock operation, or optional trunk release. Additionally, the doors will lock when the ignition is turned "on" and unlock when turned "off"', if this programmable feature is

Remote Panic Feature

Should you feel threatened or the need to attract attention at any time, you can activate your Excalibur Gold's Remote Panic feature by depressing the large transmitter button for 3 seconds. Your system will respond by sounding the siren (or horn), locking the doors and flashing the exterior and interior lights for 60 seconds. Remote Panic may operated regardless of the system armed or disarmed status, while the ignition switch is "on", and while the system is in Valet Mode. To disengage Remote Panic, simply press and release the large transmitter button. If should wish to enter your vehicle after engaging Remote Panic, press and release the large transmitter to disengage Remote Panic; the doors will also unlock, allowing easier entry.

Trunk Release And 3rd Channel Output

Optional Trunk Release: If your vehicle is equipped with *electric* trunk release, your authorized Excalibur Gold dealer can configure your system to accomplish trunk release from your transmitter. To operate this option when equipped, simply press and hold the small center transmitter button for 2 seconds. Your vehicle will respond by releasing the trunk lid, chirping the siren twice (or honking the horn twice), disarming the system and turning on your exterior and interior lights for 30 seconds.   The trunk release output will not operate with the ignition switch "on" unless the vehicle's door is open. If desired, your Excalibur Gold dealer can program the security system to remain armed when this feature is used.

Optional 3rd Channel Output: This output's operation is the same as the trunk release output except for the following items: Press the lower small transmitter button for 2 seconds to activate the 3rd channel output. The 3rd channel output will operate regardless of the ignition switch being "on" or "off", and there is no audible or visual confirmation. This output may be used to operate optional equipment such as remote car starters or window roll-up modules.

Red LED Status Indicator

The LED Status Indicator feature is a visual indicator of what state the security system is in at any given time. It is normally positioned in a location that is easily observed by the driver. There are 16 conditions that are reflected by the LED Status Indicator:

1) Off = The security system is disarmed and not performing any automatic functions.
2) On Constant = The security system is in the Valet Mode.
3) Flashing Slow = The security system is Fully Armed.
4) Flashing Fast = The 3 second Arming Delay, the 30 second Last Door Arming feature or 90 second Automatic Rearming feature is in progress.

Automatic Transmitter Verification™ (Patent Pending): After the ignition is turned "on", the LED Status Indicator will flash to indicate the number of transmitters programmed to operate your security system. For example: two flashes between pauses indicates that only two transmitters are coded to operate your system. Whenever you leave

Status Light will start flashing 3 times and pause until the door is closed. If another protected entry point is violated while the door is still open, then the Red LED Status Light will alternate flashing both zone violation codes.

13) Flash-2x & Pause = System is detecting a trigger from the hood or trunk circuit.
14) Flash-3x & Pause = System is detecting a trigger from the door circuit wire.
15) Flash-4x & Pause = System is detecting a trigger from the auxiliary input.
16) Flash-5x & Pause = System is detecting a trigger from the prewarn input.

Audible And Visual Indicators

The Security System is capable of utilizing an electronic siren or the vehicle's horn for audible indications and output when activated. The dome and parking lights are also used as visual indications. The siren produces a sharp "chirping" sound as confirmation of certain operation. If utilizing the vehicle's horn instead of the siren, simply use "horn honks" in place of "chirps" in the following descriptions:

1) One chirp & one light flash: *The system has started a passive Last Door Arming countdown and will become armed after the 30 second countdown expires. This chirp indicates that the starter interrupt will engage and the doors will lock when the system will become fully armed 30 seconds later.*
2) One chirp, one light flash, & doors lock (if equipped thusly): *The system has armed passively or actively from the transmitter. The starter interrupt has engaged and doors have locked. The system can be activated 3 seconds later.*
3) One chirp after the arming honk above: *The auxiliary sensor circuit is bypassed from*

your vehicle and keys with someone, you will now have the peace of mind of knowing that only your transmitters will operate the security system and that no additional transmitters have been coded into your system for the purpose of stealing your vehicle or its contents. This feature works for 10 seconds every time the ignition switch is turned "on".

5) Flash-1x & Pause = 1 transmitter code is stored in the system's memory.
6) Flash-2x & Pause = 2 transmitter codes are stored in the system's memory.
7) Flash-3x & Pause = 3 transmitter codes are stored in the system's memory.
8) Flash-4x & Pause = 4 transmitter codes are stored in the system's memory.

Zone Violation: If the system is activated the Red LED Status Light will start to flash and pause the #9 through #12 sequences to indicate which protected circuit caused the activation. This is seen while the system is activated, and after disarming, until the ignition switch is turned "on", which will clear the security system's memory. The system's memory circuit can store four different codes, and if multiple violations involving different zones occurred, the different zones will be shown.

9) Flash-2x & Pause = System was activated from the hood or trunk circuit wire.
10) Flash-3x & Pause = System was activated from the door circuit wire.
11) Flash-4x & Pause = System was activated from the auxiliary input.
12) Flash-5x & Pause = System's prewarn feature was activated.

Zone Testing: Every time the ignition key is turned off, the LED Status Light will flash and pause the #13 through #16 code to indicate if a protected circuit, or "zone", is in an activated state. For example: open a door after the ignition is turned off and the Red LED

pressing the small transmitter button within 3 seconds of pressing the large transmitter button.

4) One chirp, and no light flash, but only at the moment the ignition switch is turned "off": *The system is in Valet Mode, and will not arm actively or passively.*
5) Two chirps & the lights stay on for 30 seconds: *The system has just disarmed.*
6) Three chirps & three light flashes: *The system has just been armed by the transmitter with a protected circuit in a violated condition.*
7) Four chirps & four light flashes, then the lights stay on for 30 seconds: *The system has just disarmed and was activated while you were away. The system will have this disarming confirmation until the ignition switch is turned "on".*
8) Two short chirps: *The system has just entered the Easy Valet™ Mode.*
9) Siren sounding, and lights flashing on and off: *The system is in an activated state.*
10) A series of chirps lasting two seconds after the ignition switch is turned "on": *The Automatic Transmitter Verification™ feature (Page 5) has been activated. This will also occur for 48 hours after installation .*
11) A series of chirps lasting two seconds when the system is armed: *The Prewarning feature has been activated.*

Prewarning Feature

This circuit requires connection of the included shock sensor. When the sensor detects a minor impact, the security system will respond by chirping the siren for two seconds. After this feature has been activated 5 times it will automatically shut down until the system is rearmed again. This will prevent the system from being a nuisance to the general public.

Programming Features

Your vehicle security system has a total of 25 Features which may be programmed via the Valet Switch and the transmitter in a special procedure. The Features Programming Mode is accessed through the turning "off" of the ignition switch and properly pressing the Valet Switch. Once in Features Programming Mode, the Valet Switch is further used to specify which of the 25 Features is to be changed, then the transmitter is used to program the selected Feature. If two failed attempts are made to enter the Features Programming Mode, two minutes must expire before attempting again (indicated by a siren burst or double horn honk). To access the Features Programming Mode, follow this procedure:

Step 1 - Within 5 seconds of turning the ignition "off", momentarily press the Valet Switch 5 times. The security system will respond with sounding the siren (or horn) for a short period).

Step 2a - The Selectable Override Code must be entered before 15 seconds expires. Press the Valet Switch the correct number of times - the factory-set default is one press for stage #1 and no press for stage #2. If the system is configured with the default setting, it will respond by sounding the siren for a short period, then two chirps (or one long then two short horn honks). In this case proceed to Step 3.

Step 2b - If the system has had the Selectable Override Code custom-programmed, once stage #1 been properly entered (which can be up to nine Valet Switch presses) the system will acknowledge the entry by sounding the siren (or horn) for a short

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period, then one chirp (or a short honk). You now have 8.5 seconds to initiate stage #2 of entering the Override Code. Momentarily press the Valet Switch equal to the Override Code number programmed for stage #2. The system will acknowledge the entry by sounding the siren for a short burst and two chirps (or the horn will sound one long, then two short honks).

Step 3 - You now have 15 seconds access the desired Feature. This done by pressing the Valet Switch the number of times that are equal to Feature number listed. For example, to change the Arming Delay to 45 seconds, press the Valet Switch 18 as this is the eighteenth Feature on the list. The system will acknowledge the Valet Switch entry by chirping the siren (or honking the horn) a number of times equal to the number of Valet Switch presses.

Step 4 - You have 15 seconds to change the chosen Feature. Press the transmitter's large upper button to turn the Feature ON, or press the small center button to turn the Feature OFF. Turning the Feature ON is indicated by one siren chirp (or horn honk); turning the Feature OFF is indicated by two siren chirps (or horn honks). If 15 seconds of no programming activity expires (not pressing either transmitter button or selecting another Feature) will cause the system to exit the Features Programming Mode, which is indicated by two long siren chirps (or two long horn honks).

The 25 Programmable Features and their factory-set default settings are listed on the next page. Following this each Programmable Feature and coding operation is explained.

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1) Personal Coded Override: Default 1 & 0.
2) Last Door Arming: Default OFF.
3) Automatic Rearming: Default OFF.
4) Starter Interrupt 90 Seconds After Ignition "Off" Or Disarming: Default OFF.
5) Doors Lock Upon Last Door Arming: Default OFF.
6) Doors Lock Upon Automatic Rearming: Default OFF.
7) Doors Lock Upon Ignition "On": Default ON.
8) Unlock #1 Upon Ignition "Off": Default ON.
9) Unlock #2 Upon Ignition "Off": Default ON.
10) Open Door Bypass For The Previous Three Features: Default ON.
11) Confirmation Horn Honks (or Siren Chirps): Default ON.
12) Confirmation Horn Honks (or Siren Chirps) While In Valet Mode: Default OFF.
13) 30 Or 60 Second Activated Alarm Cycle: Default 60 Seconds.
14) Lights On 30 Or 5 Seconds Upon Disarm: Default 30 Seconds.
15) Disarm System Upon Trunk Release: Default ON.
16) Doorlock Pulse Time .8 Or 3 Seconds: Default .8 second.
17) Double Pulse Unlock (DPU™): Default OFF.
18) 3 Or 45 Second Arming Delay: Default 3 Seconds.
19) Pulsed Horn / Steady Siren Output: Default Steady Siren.
20) Loud or Soft Confirmation Horn Honks: Default Loud.
21) Total Closure Lock Output: Default OFF.
22) Ignition-Activated Anti-Carjacking Protection: Default OFF.
23) Door-Activated Anti-Carjacking Protection: Default OFF.
24) 3rd Channel Activated Anti-Carjacking: Default OFF.
25) Open Door Warning Upon Arming: Default OFF.

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Programmable Features

1) **Personal Coded Override: Default 1 & 0.** For a more secure Override Mode, the vehicle owner may customize this security system by selecting the number of Valet Switch presses needed to achieve the Override Mode. To change the system from the default setting, follow Steps 1, 2, and 3 on Pages 25-26. At Step 4, press and release the transmitter's large upper button a number of times equal to the desired Personal Code for stage 1 of the Override Mode. The system will respond to each transmitter button press with a siren chirp (or horn honk). After pressing the transmitter button the desired number of times, wait for the system to chirp the siren (or honk the horn) an equal number of times. Now press and release the transmitter's small center button a number of times equal to the desired Personal Code for stage 2 of the Override Mode. The system will again chirp the siren (or honk the horn) in the same fashion as the Code entered for stage 1. If the system has unknown customized Personal Override Code already entered, the factory-set default of one press can be obtained by resetting the system: on the bottom of the system control module is small hole with two solder contacts visible below. Use a small slotted screwdriver to short the solder contacts together until the system responds with a long siren chirp (or short blast of the horn).

2) **Last Door Arming: Default OFF.** This operation of this Feature is explained in detail on Pages 13-14. To change the system from the default setting, follow Steps 1, 2, and 3 on Pages 25-26. At Step 4, press and release the transmitter's large upper

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button. The system will respond with a single siren chirp (or horn honk) to indicate that the Feature is ON. Pressing the small center button will turn this Feature OFF, with the system's response being two siren chirps (or horn honks).

3) **Automatic Rearming: Default OFF.** On occasion, people have accidentally disarmed their security system by unknowingly having the transmitter's button pressed while in a purse or pocket. To prevent such accidental disarming, if this Feature is utilized, the system will automatically rearm itself 90 seconds after disarming, unless the ignition switch is turned "on". Also, if Feature #5 (Doors Lock Upon Automatic Rearming) is utilized, the doors will also lock when the system automatically rearms. Automatic Rearming is confirmed by a fast flashing LED. Once the ignition switch is turned "on", the system will stay in the disarmed condition until you are ready to arm the system again from the transmitter or from the Last Door Arming Feature. Opening a door will also stop Automatic Rearming, but the countdown will resume when the door is shut. While the door is open, the LED Status Light will be on steady until the door is shut, upon which it will resume flashing fast, or, the ignition is turned "on", which will extinguish the light.

To change the system from the default setting, follow Steps 1, 2, and 3 on Pages 25-26. At Step 4, press and release the transmitter's large upper button. The system will respond with a single siren chirp (or horn honk) to indicate that Automatic Rearming is ON. Pressing the small center button will turn this Feature OFF, with the system's response being two siren chirps (or horn honks).

6) **Doors Lock Upon Automatic Rearming: Default OFF.** This Feature may only used if Feature #3, 90 Second Automatic Rearming, is utilized. Activating this Feature will add the locking of the doors if the security system automatically rearms 90 seconds after being disarmed from the transmitter. If not activated, the system will still automatically rearm (if Feature #3 is ON), but the doors will not automatically lock. Connection of a power doorlock interface is required for this Feature.

To change the system from the default setting, follow Steps 1, 2, and 3 on Pages 25-26. At Step 4, press and release the transmitter's large upper button. The system will respond with a single siren chirp (or horn honk) to indicate that this Feature is ON. Pressing the small center button will turn this Feature OFF, with the system's response being two siren chirps (or horn honks).

7) **Doors Lock Upon Ignition "On": Default ON.** This Feature, when activated, will cause the security system to automatically lock the vehicle's doors 1.75 seconds after the ignition switch is turned "on" (connection of a doorlock interface is required).

To change the system from the default setting, follow Steps 1, 2, and 3 on Pages 25-26. At Step 4, press and release the transmitter's small center button. The system will respond with two siren chirps (or horn honks) to indicate that this Feature is OFF. Pressing the large upper button will turn this Feature ON, with the system's response being a single siren chirp (or horn honk).

8) **Unlock #1 Upon Ignition "Off": Default ON.** This Feature, when activated, will cause the security system to automatically unlock either the driver's door or all of the vehicle's doors instantly when the ignition switch is turned "off". Please note that the exact operating parameters of the Feature depends upon the configuration of the

4) **Starter Interrupt 90 Seconds After Ignition "Off" Or Disarming: Default OFF.** Activating this Feature will cause the Starter Interrupt output to automatically engage 90 seconds after the ignition switch is turned "off", and also 90 seconds after disarming the system. This automatic engagement will occur even if the security system is in a disarmed state, but not if it is in Valet Mode. Once the Starter Interrupt output is activated, the system must be armed, then disarmed with the transmitter, or placed into the Easy Valet™ Mode by pressing and holding the Valet Switch for 2 seconds to disengage it.

To change the system from the default setting, follow Steps 1, 2, and 3 on Pages 25-26. At Step 4, press and release the transmitter's large upper button. The system will respond with a single siren chirp (or horn honk) to indicate that Automatic Rearming is ON. Pressing the small center button will turn this Feature OFF, with the system's response being two siren chirps (or horn honks).

5) **Doors Lock Upon Last Door Arming: Default OFF.** This Feature may only used if Feature #2, Last Door Arming, is utilized. Activating this Feature will add the locking of the doors when the security system automatically arms 30 seconds after the vehicle's last door is closed. If this Feature is not activated, the system will still automatically arm (if Feature #2 is ON), but the doors will not automatically lock. Connection of a power doorlock interface is required for this Feature.

To change the system from the default setting, follow Steps 1, 2, and 3 on Pages 25-26. At Step 4, press and release the transmitter's large upper button. The system will respond with a single siren chirp (or horn honk) to indicate that Automatic Rearming is ON. Pressing the small center button will turn this Feature OFF, with the system's response being two siren chirps (or horn honks).

security system and your vehicle's power doorlocks. As noted on Page 8, this system may be configured to unlock only the driver's door upon disarming. Then, if desired, pressing the transmitter's large upper button again within 3 seconds will unlock all of the doors. Therefore, this Feature can operate one of two ways: first, if all of the doors unlock upon disarming, this Feature will unlock all of the doors when the ignition is turned "off". Second, if your vehicle is configured to unlock the driver's door only upon disarm, this Feature will unlock only that door upon disarming. Please consult with the installer as to the feasibility of adding the driver's door only unlock configuration to your vehicle, as power doorlocking systems differ in compatibility to this Feature. If the second configuration discussed previously is present, the next Feature allows the option of automatic unlocking of all of the doors when the ignition is turned "off".

To change the system from the default setting, follow Steps 1, 2, and 3 on Pages 25-26. At Step 4, press and release the transmitter's small center button. The system will respond with two siren chirps (or horn honks) to indicate that this Feature is OFF. Pressing the large upper button will turn this Feature ON, with the system's response being a single siren chirp (or horn honk).

9) **Unlock #2 Upon Ignition "Off": Default ON.** As discussed in the previous Feature, your security system is capable of a second door unlock output. If your system is configured to unlock the driver's door only upon disarming with the transmitter, this Feature may be utilized. This Feature, when activated, will unlock all of the other doors, after the driver's door, when the ignition switch is turned "off".

To change the system from the default setting, follow Steps 1, 2, and 3 on Pages 25-26. At Step 4, press and release the transmitter's small center button. The system

will respond with two siren chirps (or horn honks) to indicate that this Feature is OFF. Pressing the large upper button will turn this Feature ON, with the system's response being a single siren chirp (or horn honk).

10) **Open Door Bypass For The 3 Previous Features: Default ON.** This Feature cancels any automatic doorlock operations associated with the ignition switch if a door is open at the time the ignition switch is turned "on" or "off". For example, if the security system is programmed to unlock the doors when the ignition is turned "off", if a door is opened before turning the ignition "off", the doors will <u>not</u> unlock.

To change the system from the default setting, follow Steps 1, 2, and 3 on Pages 25-26. At Step 4, press and release the transmitter's small center button. The system will respond with two siren chirps (or horn honks) to indicate that this Feature is OFF. Pressing the large upper button will turn this Feature ON, with the system's response being a single siren chirp (or horn honk).

11) **Confirmation Siren Chirps (Or Horn Honks) On/Off: Default ON.** This Feature allows full-time removal of the audible confirmation siren chirps (or horn honks). Please note that silent arming or disarming may be done on a onetime temporary basis by pressing the transmitter's small center button before pressing the large upper button. Even if this Feature is used to remove the confirmation chirps (or honks), the audible Automatic Transmitter Verification™ feature will still operate.

To change the system from the default setting, follow Steps 1, 2, and 3 on Pages 25-26. At Step 4, press and release the transmitter's small center button. The system will respond with two siren chirps (or horn honks) to indicate that this Feature is OFF. Pressing the large upper button will turn this Feature ON, with the system's response

14) **Lights On 30 Or 5 Seconds Upon Disarm: Default 30 Seconds.** This Feature sets the length of time that the parking and dome lights stay on upon disarming the security system. The longer time allows inspection of the area around and inside the vehicle when dark.

To change the system from the default setting, follow Steps 1, 2, and 3 on Pages 25-26. At Step 4, press and release the transmitter's large upper button. The system will respond with a single siren chirp (or horn honk) to indicate that this Feature is now set for a 5 second parking and dome light period. Pressing the small center button will return this Feature to a 30 second period, with the system's response being two siren chirps (or horn honks).

15) **Disarm System Upon Trunk Release: Default ON.** This Feature causes the security system to automatically disarm when the small center button is pressed and held to operate remote trunk release. If this Feature is turned OFF, the trunk release will still operate, but the system will remain armed.

To change the system from the default setting, follow Steps 1, 2, and 3 on Pages 25-26. At Step 4, press and release the transmitter's small center button. The system will respond with two siren chirps (or horn honks) to indicate that this Feature is OFF. Pressing the large upper button will turn this Feature ON, with the system's response being a single siren chirp (or horn honk).

16) **Doorlock Pulse Time .8 Or 3 Seconds: Default .8 Second.** Some vehicle's power doorlocking systems (example: pneumatic systems) require a longer output pulse to operate properly. This Feature allows the installer the flexibility to accommodate such systems without the added expense of an additional adaptor.

being a single siren chirp (or horn honk).

12) **Confirmation Siren Chirps (Or Horn Honks) While In Valet Mode: Default OFF.** While in Valet Mode, the system will still respond to the transmitter for the purpose of remotely locking and unlocking the vehicle's doors. This Feature controls the addition or elimination of an audible confirmation of the security system's response while in Valet Mode. If activated, the system will have confirmation siren chirps (or horn honks) if the transmitter is used to lock or unlock the while in Valet Mode.

To change the system from the default setting, follow Steps 1, 2, and 3 on Pages 25-26. At Step 4, press and release the transmitter's large upper button. The system will respond with a single siren chirp (or horn honk) to indicate that this Feature is ON. Pressing the small center button will turn this Feature OFF, with the system's response being two siren chirps (or horn honks).

13) **30 Or 60 Second Activated Alarm Cycle: Default 60 Seconds.** When an armed security system is activated, this Feature determines how long the siren (or horn) will sound, and how long the parking and dome lights will flash.

To change the system from the default setting, follow Steps 1, 2, and 3 on Pages 25-26. At Step 4, press and release the transmitter's small center button. The system will respond with two siren chirps (or horn honks) to indicate that this Feature is now set for a 30 second activated alarm cycle. Pressing the large upper button will return this Feature to a 60 second cycle, with the system's response being one siren chirp (or horn honk).

To change the system from the default setting, follow Steps 1, 2, and 3 on Pages 25-26. At Step 4, press and release the transmitter's small center button. The system will respond with two siren chirps (or horn honks) to indicate that the doorlock output pulse is now 3 three seconds. Pressing the large upper button will return this Feature to the .8 second pulse, with the system's response being a single siren chirp (or horn honk).

17) **Double Pulse Unlock (DPU™): Default OFF.** This is another Feature provided for the installer's benefit. Some newer vehicles require a double pulse to remotely unlock the doors and/or to disarm a factory-equipped security system.

To change the system from the default setting, follow Steps 1, 2, and 3 on Pages 25-26. At Step 4, press and release the transmitter's large upper button. The system will respond with one siren chirp (or horn honk) to indicate that the doorlock output pulse is now a double pulse. Pressing the small center button will return this Feature to the single pulse, with the system's response being two siren chirps (or horn honks).

18) **3 Or 45 Second Arming Delay: Default 3 Seconds.** Some installation situations require an extra period of time for the security system to become fully armed. Where needed, this Feature may be changed by the installer to delay the full arming of the system to 45 seconds. Please note when the 45 second arming delay is used, it adds 45 seconds to all three forms of arming: active arming from the transmitter, Last Door Arming, and Automatic Rearming.

To change the system from the default setting, follow Steps 1, 2, and 3 on Pages 25-26. At Step 4, press and release the transmitter's small center button. The system will respond with two siren chirps (or horn honks) to indicate that the arming delay

is now 45 seconds. Pressing the large upper button will return this Feature   to the 3 second arming delay, with the system's response being a single siren chirp (or horn honk).

19) Steady Siren Or Pulsed Horn Output: Default Pulsed Horn. Instead of the siren, if the vehicle's horn is preferred, this Feature changes the output from steady to pulsed, allowing the use of the horn for the alarm's audible responses. If the vehicle does not utilize an existing horn relay, one must be added or this output's 1 Amp capacity may be exceeded, which will damage the alarm. This Feature is defaulted to Pulsed Horn, but set for Steady Siren at the factory. The electronic siren requires a continuous, steady output, which this Feature accommodates. The siren features six different siren tones, which change every 5 seconds. When configured for use with a horn, this output pulses for 10 seconds, then pauses for 5 seconds, repeating this cycle for the duration of the activated alarm period. This prevents the horn from overheat- ing, thereby ensuring a maximum useful horn life to the vehicle owner.

To change the system from the default setting, follow Steps 1, 2, and 3 on Pages 25-26. At Step 4, pressing the large upper button will return this Feature to the pulsed output, with the system's response being a single siren chirp (or horn honk). Or, press and release the transmitter's small center button. The system will respond with two siren chirps (or horn honks) to indicate that the audible output is now steady.

20) Loud Or Soft Confirmation Horn Honks: Default Loud. If your security   system is configured to sound the vehicle's horn, this Feature allows a degree of compensation for the variance which is found among vehicles in the length of the pulse required to honk the horn in a satisfactory manner.

To change the system from the default setting, follow Steps 1, 2, and 3 on Pages 25-26. At Step 4, press and release the transmitter's small center button. The system will respond with two siren chirps (or horn honks) to indicate that the confirmation horn honk is now set for the softer position. Pressing the large upper button will return this Feature to the louder position, with the system's response being a single siren chirp (or horn honk).

21) Total Closure Lock Output: Default OFF. If the vehicle is so equipped, this Feature allows the installer to take advantage of a preexisting Total Closure System. Consult with the installer on this option, as the vehicle must be properly equipped to take advantage of this Feature.

To change the system from the default setting, follow Steps 1, 2, and 3 on Pages 25-26. At Step 4, press and release the transmitter's large upper button. The system will respond with one siren chirp (or horn honk) to indicate that the lock output is now 28 seconds. Pressing the small center button will return this Feature to the selected pulsed output, with the system's response being a two siren chirps (or horn honks).

22)   Ignition-Activated Anti-Carjacking Protection: Default OFF. If this Feature is utilized, after turning the ignition switch "on" and starting the vehicle, you must press the Valet Switch within   60 seconds. If the Valet Switch is not pressed within this pe- riod, the system will begin chirping the siren (or honking the horn) 53 seconds after the ignition was turned "on". These chirps (or honks) are to remind you that the Anti- Carjacking Protection   is about to engage; pressing the Valet Switch before the 60 sec- onds expires will stop the Anti-Carjacking Protection Feature. The chirps (or honks)

will last for 7 seconds, after which time the siren (or horn) will fully engage, and the parking and dome lights will begin flashing to attract attention to the vehicle. Thirty seconds after the siren (or horn) and lights engage, or, when the ignition is turned "off" the starter interrupt circuit will activate. Once the Anti-Carjacking is engaged, the only way to disengage it is to turn the ignition "off", then "on" again, and then press the Valet Switch within 5 seconds (or enter the Personal Coded Override).

To change the system from the default setting, follow Steps 1, 2, and 3 on Pages 25-26. At Step 4, press and release the transmitter's large upper button. The system will respond with a single siren chirp (or horn honk) to indicate that this Feature is ON. Pressing the small center button will turn this Feature OFF, with the system's response being two siren chirps (or horn honks).

23) Door-Activated Anti-Carjack Protection: Default OFF. This feature causes the Anti-Carjacking Feature described previously to be activated by the opening of a door at any time while the ignition switch is "on". This Feature may be used alone, or in conjunction with the previous "Ignition Activated Anti-Carjacking". If a door is opened while the ignition switch is "on", the Anti-Carjacking Feature will engage 53 seconds after the door is closed. The Valet Switch must be pressed within 60 seconds after the door is shut to cancel the Anti-Carjacking Protection Feature.

To change the system from the default setting, follow Steps 1, 2, and 3 on Pages 25-26. At Step 4, press and release the transmitter's large upper button. The system will respond with a single siren chirp (or horn honk) to indicate that this Feature is ON. Pressing the small center button will turn this Feature OFF, with the system's response being two siren chirps (or horn honks).

24) 3rd Channel Activated Anti-Carjacking Protection: Default OFF. This Feature allows remote activation of the Anti-Carjacking Feature. When this Feature is utilized, pressing the transmitter's small lower button for 3 seconds will activate the 3rd Channel Output, but if the ignition switch is "on", this operation will also activate the Anti- Carjacking Feature, which is previously described.

To change the system from the default setting, follow Steps 1, 2, and 3 on Pages 25-26. At Step 4, press and release the transmitter's large upper button. The system will respond with a single siren chirp (or horn honk) to indicate that this Feature is ON. Pressing the small center button will turn this Feature OFF, with the system's response being two siren chirps (or horn honks).

25) Open Door Arming Alert: Default OFF. When this Feature is utilized, if one of the vehicle's doors is open when the system is armed by using the transmitter, the siren will chirp (or the horn will honk) and the lights will flash 3 times instead of once upon arming the system. When a door is open upon arming, this Feature configures the system to have the same arming confirmation as if the hood or trunk were open.

To change the system from the default setting, follow Steps 1, 2, and 3 on Pages 25-26. At Step 4, press and release the transmitter's large upper button. The system will respond with a single siren chirp (or horn honk) to indicate that this Feature is ON. Pressing the small center button will turn this Feature OFF, with the system's response being two siren chirps (or horn honks).

Programming   Transmitters

Important! If Automatic Transmitter Verification™ (siren chirping or horn honking for 2 seconds upon ignition "on") should ever be activated, you should immediately recode your existing, authorized transmitters.

Up to 4 different transmitters may be programmed into the security system's memory. When a new transmitter code is programmed into the system, all previous codes will be deleted. If a third or fourth transmitter is desired, all of the transmitters must be programmed into system's memory. To program transmitters to operate your system, follow this process:

1) Turn "on" the ignition switch.

2) Within 5 seconds of turning "on" the ignition switch, press the Valet Switch 5 times.
Note: The system will respond with a long siren chirp (or long horn honk), confirming that it is ready to learn a transmitter code. If a code is not received or the ignition is turned "off", the learning process will automatically terminate, which will be indicated by two siren chirps (or horn honks). When the first transmitter code is learned, all other prior codes will be erased.

3) Press the Valet Switch to enter the Personal Coded Override (the factory setting is one press).

Remember, up to four different security systems may be operated by each transmitter by taking advantage of its ability to change banks, as described on pages 10-11.

4) To learn the first transmitter code, press the large transmitter button, (which will arm/disarm/panic the system), until you hear one long and one short siren chirp (or horn honk) to confirm that the code was learned. The two small button's functions will automatically be learned at the same time.

5) To program the second, third or fourth transmitter codes, repeat step 4. As each transmitter is learned, the long confirmation siren chirp (or horn honk) will be followed by two short chirps (or honks) for transmitter number two, three short chirps (or honks) for transmitter number three, and four short chirps (or honks) for transmitter number four. An attempt to add any further transmitter codes will be ignored.

6) Turning off the ignition switch or 10 seconds of no programming will automatically turn off the transmitter learning code program, which is confirmed by two long siren chirps (or horn honks).

Whenever a transmitter is coded into the security system, whether an existing one or previously unknown transmitter, the siren will chirp (or horn will honk) for two seconds every time the ignition is turned "on", for a period of 48 hours. Additionally, the LED Status Light will flash the number of transmitters which can operate the system for 90 seconds instead of 10 seconds. This operation is the Automatic Transmitter Verification™ feature, which protects the system from someone programming an unauthorized transmitter to operate the system.

This device complies with FCC Rules part 15. Operation is subject to the following two conditions, (1) This device may not cause harmful interference and, (2) This device must accept any interference that may be received, including interference that may cause undesired operation.

MO_EG-1400ATV.REV2