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All products for warranty repair must be sent postage prepaid to Omega Research & Development, Inc., P.O. Box 508, Douglasville, Georgia 30133, or send via UPS to: 981 N. Burnt Hickory Rd., Douglasville, Georgia 30134, with bill of sale or other dated proof of purchase. This warranty is nontransferable and does not ap cal misuse or abuse, i intended function, u God.

This w cement of the product. nstallation charges, da idental or consequent product to function p **LD THIS WARRAN STRUED AS A GU/ OSS.** The Company n make any warranties or assume any liability in connection with the sale, installation, or use of this product.

BACK COVER PRINTER'S NOTE: production back cover is color; this is a place marker cover.

This device complies with F.C.C 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.

The manufacturer is not responsible for any radio TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

Omega Research and Development, Inc.
P. O. Box 508
Douglasville, Georgia 30133
www.caralarm.com

04/07 MO-MAX-EDP REV0

Omega
MAX-EDP

OPERATION MANUAL

FRONT COVER PRINTER'S NOTE: production front cover is color; this is a place marker cover.

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.

The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

Coin batteries used in the transmitter which is used to operate this security system may contain Perchlorate Material - special handling may apply. See www.dtsc.ca.gov/hazardouswaste/perchlorate

One or more of these patents may apply to this product:
#5,612,669 #5,654,688 #5,663,704 #5,729,191 #5,818,329 #5,612,578 #5,739,747 #382,558 #385,878 #5,750,942 #5,739,748 #5,719,551 #406,107 #701,285 #5,973,592 #5,982,277 #5,986,571 #6,011,460 #6,037,859 #6,049,268 #6,130,605 #6,130,606 #6,140,938 #6,140,939 #6,150,926 #6,144,315 #6,184,780 #6,188,326 #6,243,004 #6,249,216 #6,275,147 #6,297,731 #6,320,514 #6,320,498 Foreign Patent #199700312 #EP0817734B1 #98906445.6 #2,320,248 #701,285

Omega Research and Development, Inc.
www.caralarm.com

Complete Programmable Features Matrix

	USER Features	Ignition on, off, then press Valet Switch **5** times (**RED** Status Light).			
#	**Feature**	**Default Setting**	**Option**	**2nd Option**	**3rd Option**
1	SecureCode	1 & 0	2 stages, of up to 9 presses each (total of 99 possible combinations)		
2	Last Door Arming	OFF (L)	ON w/o doorlock (U)	ON w/ doorlock (O)	
3	Automatic Rearming	OFF (L)	ON w/o doorlock (U)	ON w/ doorlock (O)	
4	Starter Interrupt Functions	Alarm only (L)	Off (U)	Automatic (O)	Alarm+AntiGrind (p)
5	Ignition Activated Override	OFF (U)	ON (L)		
6	Doors Lock With Ignition On	ON (L)	OFF (U)		
7	Doors Unlock With Ignition Off	ON (p)	OFF (L)	o/p 1 only (O)	o/p 2 only (O)
8	Open Door Bypass to above	ON (L)	OFF (U)		
9	Confirmation Chirps	ON (L)	OFF (U)	exc. Valet (O)	Valet only (p)
10	Confirmation Chirp Volume	Medium Loud (O)	Low (L)	Med Lo (U)	Loud (p)
11	Activated Alarm Cycle	30 Seconds (L)	60 Sec. (U)	90 Sec. (O)	120 Sec. (p)
12	Lights On Upon Disarm	ON (L)	OFF (U)		
13	Disarm Upon Trunk Release	ON (L)	OFF (U)		
14	Arming Delay	3 Seconds (L)	15 Seconds (U)	30 Seconds (O)	45 Seconds (p)
15	Steady Siren / Pulsed Horn	Steady Siren (L)	Pulsed Horn Lo (U)	Pulsed Med. (O)	Pulsed Hi (p)
16	Alarm Functions Bypass	OFF (U)	ON (L)		
17	Ignition Anti-Carjacking	OFF (U)	ON (L)		
18	Door Anti-Carjacking	OFF (U)	ON (L)		
19	Remote Anti-Carjacking	OFF (U)	ON (L)		
20	Open Door Warning at Arm	OFF (U)	ON (L)		
21	Red “panic” Button Operation	Panic (L)	3rd Chan. (U)	4th Chan. (O)	5th Chan. (p)
22	Remote Start Run Time	10 Min. (U)	5 min. (L)	15 min. (O)	20 min. (p)
23	Steady/Flash Lights Rem. Start	Steady (L)	Flashing (U)		
	INSTALLER Features	Ignition on, off, then press Valet Switch **10** times (**GREEN** Status Light).			
1	Doorlock Functions	.8 second (L)	3 Seconds (U)	Double Unlock (O)	Total Closure (p)
2	Light Relay Functions	Dome Light (L)	Lock (U)	Ignition (O)	Accessory (p)
3	Horn Relay Functions	Horn, med. (L)	Unlock (U)	Ignition (O)	Accessory (p)
4	Turbo Timer	OFF (U)	ON (L)		
5	Manual Trans. Remote Start	OFF (U)	ON (L)		
6	“Tach Wire” or “Tachless “	Tachless (L)	Tach (U)		
7	Ext. Starter Cranking Time	.7 (minimum) (L)	1.25 (U)	1.75 (O)	2.5 (maximum) (p)
8	Remote Start Relay	Ignition (L)	Accessory (U)	Starter (O)	
9	Arm/Disarm or Add. Chan.	Arm/Disarm (L)	Arm/Ch. 5 (U)	Ch. 4 / Disarm (O)	Ch. 4 / Ch. 5 (p)
10	Gasoline or Diesel Engine	Gasoline (L)	Diesel (U)		

(L) = “arm/lock” (U) = “disarm/unlock” (O) = “OPTION” (p) = red “panic”

for the voltage sensing type of starter output operation. There are four different base starter output settings. While the default-set minimum is sufficient for most vehicles; the Extended Starter Cranking Time can be used for difficult-to-start engines. **This feature should only be programmed by the installer**.

Note: "Base timing" is the maximum time period that the MAX-EDP will engage the starter, but only if it does not detect the engine has started running.

Feature #8 Programmable Remote Start Relay

Factory Default Setting **Ignition Output**
(press "**arm/lock**" button to program)

Options:
Accessory Output (press "**disarm/unlock**" button to program)
Starter Output (press "**OPTION**" button to program)

The MAX-EDP features 4 dedicated remote start output relays, one of which is programmable (this is the unit's large blue output wire). Operation choices are ignition, accessory or starter power output. **This feature should only be programmed by the installer**.

Feature #9 Arm, Disarm or Additional Channels

Factory Default Setting **Arm / Disarm**
(press "**arm/lock**" button to program)

Options:
Arm / Channel 5 (press "**disarm/unlock**" button to program)
Channel 4 / Disarm (press "**OPTION**" button to program)
Channel 4 / Channel 5 (press red "**panic**" button to program)

The MAX-EDP has outputs designed for arming and/or disarming a factory-equipped security system. These wires may be used instead to provide further system outputs, which are remotely operated by the transmitter. These outputs are in addition to the 2nd channel and 3rd channel outputs, the operation of these outputs is explained on page 18.

As shown in the programming assignment, the arm, disarm, channel 4 and channel 5 are programmable as various combinations. For example, if the disarm output is needed, but not the arm output, then channel 4 may be made available for use.

Feature #10 Gasoline Or Diesel Engine

Factory Default Setting **Gasoline** (press "**arm/lock**" button to program)
Option: **Diesel** (press "**disarm/unlock**" button to program)

This feature changes the system's timing of the ignition and starter output sequence for remotely starting vehicles with a diesel engine. **This feature should only be programmed by the installer**.

Table of Contents

Introduction

Welcome to the convenience and protection which is offered by your MAX-EDP vehicle security system. The MAX-EDP is designed and manufactured by Omega Research and Development, a world leader in vehicle convenience and security since 1975. Your system offers easy, carefree operation, and the modular design allows its many impressive features to be customized to suit your needs. This sophisticated, state-of-the-art product deters theft of your vehicle, and its contents. Omega systems are designed for professional installation, and are available only through new car retail outlets and selected mobile electronics specialist dealers.

Please note that this guide is written to reflect:

- That a power doorlock interface is installed with your system (the MAX-EDP also operates your power doorlocks). The type of interface may vary from one vehicle to the other, and in some cases may involve optional components.
- That an optional electronic siren is used for the system's audible output; the MAX-EDP operating the vehicle's existing horn is also an available option.
- That the Programmable Features are in the default settings; the operations of these features are also explained.

Your MAX-EDP system has three principal user components: the multicolored LED **Status Light**, the **Valet Switch**, and the Remote **Transmitter**.

The **Red and Green LED Status Light** informs you at a glance which of the different conditions the security system is in, and also serves as a visual deterrent to break-ins and theft. Specific operations of this light are described on pages 22-23.

The **Valet Switch** is used to access Valet Mode, which allows the operator to suspend some of the security system's normal functions for as long as desired. The Valet Switch may also be used, instead of the remote transmitter, to override an armed and activated system. The Valet Switch is also used when programming remote transmitters and system features. See "Using the Valet Switch" on pages 19 and 20.

Transmitters are used to operate the MAX-EDP. Each system is capable of being operated by up to four different remote Transmitters, which are described on the following page. The remote transmitter has four push-

press the transmitter's "**arm/lock**" and "**disarm/unlock**" buttons at the same time, which keeps the engine running after removing the ignition key. After exiting, the user must then arm the system, locking the vehicle doors, by pressing the "**arm/lock**" button. Only after this is done will the system accept a remote start command, and the vehicle must remain undisturbed until that point. The complete instructions for remote starting, including Stick Shift Remote Starting, starts on page 14.

This feature should only be programmed by the installer, and the operation of this feature depends on the correct connection of the safety wire to the vehicle's parking brake. Please refer to the Installation Instructions manual for proper connection of this wire.

Feature #6 "Tach Wire" or "Tachless" Starter Operation

Factory Default Setting **Tachless** (press "**arm/lock**" button to program)
Option: **Tach Wire** (press "**disarm/unlock**" button to program)

This feature selects the MAX-EDP's method of determining the status of the engine running during remote start operation. As explained in the previous feature's description, "Tachless" mode has an associated base starter output time duration. However, if the voltage fluctuation is detectable, the processor adjusts the starter output time accordingly. When this feature is set for "Tach Wire" operation, the base starter output increases to 3 seconds, but the processor adjusts the actual starter engagement time accordingly. Connecting and use of the "Tach Wire" is the most reliable form of engine running information input, and its use is recommended. **This feature should only be programmed by the installer**.

Important: Before this feature is programmed, please refer to the "Installation Manual" for proper wiring connection and the Tach Learning Procedure, both of which are required for use of this feature.

Feature #7 Extended Starter Cranking Time

Factory Default Setting **Minimum (.7 Second)**
(press "**arm/lock**" button to program)

Options:
Medium Lo (1.25 Second) (press "**disarm/unlock**" button to program)
Medium Hi (1.75 Second) (press "**OPTION**" button to program)
Maximum (2.5 Second) (press red "**panic**" button to program)

Extended Starter Cranking Time operates in conjunction with the previous feature's "Tachless" setting. The MAX-EDP processor is capable of detecting the running engine by two separate methods- the use of the vehicle's tachometer ("tach") wire for a direct engine RPM input, or by monitoring the vehicle's fluctuating voltage levels caused by the starting process. This feature sets the duration of the starter output's base timing

to be a door lock relay, or as medium-capacity ignition or accessory outputs, if needed for remote starting use.

Feature #3 Horn Relay Functions

Factory Default Setting **Horn Output**
(press "**arm/lock**" button to program)

Options:
Door Unlock (press "**disarm/unlock**" button to program)
Ignition Output (press "**OPTION**" button to program)
Accessory Output (press red "**panic**" button to program)

This is the second of two built-in relays which can be programmed to perform several different functions. The primary function of this second relay, is that it is available to operate the vehicle's existing horn; either in conjunction with the electronic siren, or in place of the siren. Using both the siren and the horn creates an extremely effective security system.

Optionally, if desired or needed, this relay can be programmed to be a door unlock relay, or as additional medium-capacity ignition or accessory outputs, if needed for remote starting use.

Feature #4 Turbo Timer

Factory Default Setting **Off**
(press "**arm/lock**" button to program)

Options:
Run 1 Minute (press "**disarm/unlock**" button to program)
Run 2 Minutes (press "**OPTION**" button to program)
Run 3 Minutes (press red "**panic**" button to program)

This feature, the operation of which is described on page 17, when turned on configures the MAX-EDP to automatically keep the engine running briefly after it is turned off. This operation is designed specifically for vehicles having turbocharged engines (the user may temporarily bypass the feature if desired).

This feature should only be programmed by the installer, and the operation of this feature depends on the correct connection of the safety wire to the vehicle's parking brake. Please refer to the Installation Instructions manual for proper connection of this wire.

Feature #5 Stick Shift Remote Starting

Factory Default Setting **Off** (press "**disarm/unlock**" button to program)
Option: **On** (press "**arm/lock**" button to program)

This feature changes the parameters of the MAX-EDP's remote start operation to be suitable for manual transmission-equipped vehicles via a "setup" procedure which must be followed upon exiting the vehicle. When this feature is turned on, the operator must set the parking brake and then

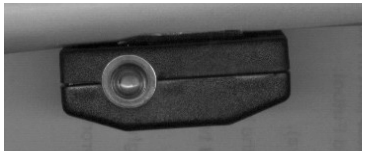
button switches, each being labeled with an icon as to function.

However, a popular upgrade option supplementing the standard transmitter is the Echo 2-way controller. The Echo, in addition to operating your system, also receives signals from the system, and displays a variety of system conditions on its LCD screen. A section of this booklet describes operating the MAX-EDP with the Echo.

The Status Light and the Valet Switch

The location of the Valet Switch and the Status Light is determined by the installer of the MAX-EDP system. While the location of the Status Light should be obvious, the Valet Switch should not. The Valet Switch is important to the user's operation of the Omega MAX-EDP system. It may have been mounted separately from the Status Light in a hidden, yet accessible location.

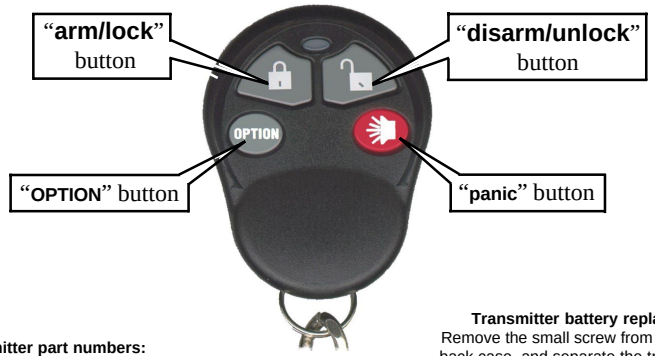
By itself, the Valet Switch is a small, round button, about the size of a dime.



Or, the Valet Switch and Status Light may have been mounted in special holder, which is usually located below the dash. This holder has the system's Status Light on front (upper image) and the Valet Switch on its bottom (lower image).

Please ensure that you and others who use your vehicle are aware of the location of the Valet Switch and its uses.

The Transmitter



Transmitter part numbers:
146-17B black case, gray buttons
146-17G translucent case, glow buttons

Transmitter battery replacement:
Remove the small screw from the lower back case, and separate the transmitter case halves. Replace the **CR2032** coin-type battery and reassemble the transmitter.

"**arm/lock**"

- Pressing and releasing the "**arm/lock**" button arms the security system and locks the doors.
- Pressing and holding this button for three seconds will first arm, and then activate the Panic feature, locking the doors.

"**disarm/unlock**"

- Pressing and releasing the "**disarm/unlock**" button disarms the system and unlocks the doors unless the alarm is triggered, in which case it will disarm the activated alarm, but not unlock the doors unless the button is pressed again.
- Pressing and holding this button for three seconds will first disarm, and then activate the Panic feature, unlocking the doors.
- The unlock operation may be optionally configured during the system's installation so that pressing this button once disarms the system and unlocks only the driver's door, and pressing a second time unlocks all of the doors.

- Pressing the "**arm/lock**" and "**disarm/unlock**" buttons together activates the remote starting feature of the MAX-EDP.

- The first setting (programmed by the "**arm/lock**" button) has the system produce both the lock and unlock outputs as .8 second in duration. This is the most common form needed, which interfaces most vehicles.
- The second setting (programmed by the "**disarm/unlock**" button) changes the lock and unlock outputs to be a longer 3 second pulse output. This is for certain vehicles which require a longer output pulse from the system's control unit; typically cars having vacuum pump systems, although the longer setting is also more suitable in some newer vehicles.
- Some newer vehicles require a double pulse output to remotely unlock the doors and/or to disarm a factory-equipped security system, which is what the Double Pulse Unlock setting provides (it is programmed by the "**OPTION**" button). The lock output pulse, in this setting, is .8 second.
- The Total Closure Lock Output (programmed by the "**panic**" button) may be used with vehicles which are originally equipped with the total-closure feature. Typically, a total closure feature is when locking the vehicle's doors if the key in the door is held to "lock" for a period of time the vehicle will close all windows and the sunroof, in addition to locking the doors. Selecting this feature setting changes the system's door lock output pulse from a .8 second to as long as a 28 second duration output. The unlock output is 3 seconds in this setting.

  Note: When this feature is turned on, during the 28 second period after arming the system, the lock output can be stopped on demand by pressing the "**arm/lock**" or "**disarm/unlock**" button. Only the output will stop-pressing either button again will normally operate the system, and at any time after the 28 second lock output period ends.

If either of the programmable relays are set for lock or unlock operation (the next two Installer Programmable Features), the settings if this feature will operate the programmable relays accordingly, in addition to the primary system doorlocking outputs.

Feature #2 Light Relay Functions

Factory Default Setting	**Dome Light Output** (press "**arm/lock**" button to program)
Options:	
Door Lock	(press "**disarm/unlock**" button to program)
Ignition Output	(press "**OPTION**" button to program)
Accessory Output	(press red "**panic**" button to program)

The Omega MAX-EDP has two built-in relays, which can be programmed to perform several different functions. The primary function of this relay, is to operate the vehicle's dome, or interior lighting as part of the system's operations. Optionally, if desired or needed, this relay can be programmed

The Installer Programmable Features

Installer Programmable Features should only be used by the original or other qualified installer, AND individual Installer Features should only be used, where applicable, with the correct wiring connections.

The second group of 10 features, the **Installer Programmable Features**, are accessed as the second level of features' programming, which is pressing the Valet Switch 10 times instead of 5 times when entering Programming Mode (page 27). **Caution: These features have a critical affect upon the system's operations, and in many cases, also upon the system's wiring connections. These features should NEVER be changed, except by the installer or other qualified professional.** The companion Installation Instructions booklet should be consulted for wiring connections associated with these features.

1 Doorlocking Functions
2 Light Relay Functions
3 Horn Relay Functions
4 Turbo Timer
5 Manual Transmission Remote Starting
6 "Tach Wire" or "Tachless" Starter Operations
7 Extended Starter Cranking Time
8 Programmable Remote Start Relay
9 Arm, Disarm or Additional Channels
10 Gasoline or Diesel Engine

Use the step-by-step instructions on pages 27-28, but press the Valet Switch 10 times at Step 3, to change any of the Installer Programmable Features. The feature's option choices and related programming transmitter button assignment found in the following individual feature descriptions.

Feature #1 Doorlocking Functions

Factory Default Setting **.8 Second Lock & Unlock Output**
(press "**arm/lock**" button to program)

Options:

3 Second Lock & Unlock Output (press "**disarm/unlock**" button to program)
Double Pulse Unlock Output (press "**OPTION**" button to program)
Total Closure Lock Output (press red "**panic**" button to program)

This single feature gives the installer several needed options, to match the MAX-EDP's doorlocking outputs to suite different vehicle requirements.

"**OPTION**"

- Pressing the "**OPTION**" button for two seconds can be used to activate an extra output, known as the "2nd channel", for an optional function such as trunk release.
- Pressing and releasing this button twice arms or disarms the system without the confirmation chirps.
- Pressing this button immediately after arming will leave the alarm armed, but with the shock sensor feature bypassed.

Red "**panic**" button

- Pressing and holding the "**panic**" button for 3 seconds will activate the remote Panic feature, but without locking or unlocking the doors.
- The "**panic**" button can be reprogrammed so that it can operate an additional 3rd channel output, instead of operating Panic.

- Pressing the "**OPTION**" and "**panic**" buttons together operates the 3rd channel output.

- IMPORTANT -

The MAX-EDP is the most versatile vehicle security system made. It has many programmable features and includes built-in programmable relays, which can offer more features and operations which are described in the basic system instructions.
To a large degree, these extra features and operations are configured at the installation of the system. Please read the sections of this manual which explain programmable features, and please consult your installer for specifics on how your system is configured, and for installation options which may have used, or can be added to system after installation.
EXAMPLE- the MAX-EDP can sound the vehicle's horn in place of or in addition to the electronic siren which is included with it. But the operations are described with the siren only.

Using the MAX-EDP System

Your MAX-EDP system is designed to deter theft of both your vehicle and its contents. **"Arming"** your system turns on its protection, disabling the vehicle's starter and locking the doors. Once the system is **Armed**, any intrusion attempt will **Activate** it, sounding the electronic "Psyren" psycho siren and flashing the parking and interior lights to attract attention. The unique and patented "2-in-1" Psyren psycho siren actually produces the sounds of two different sirens at once, ensuring that it won't be ignored like all of the other "common" car alarms. **Disarming** the system turns off the protection, unlocking the doors and turning on the parking and interior lights, allowing lighted access to, and normal use of, the vehicle.

There are two methods of arming the MAX-EDP:

1- The first method is to use the transmitter, by pressing and releasing the "**arm/lock**" button. The system must not already be armed or be in Valet Mode, and the vehicle's ignition key must be off.

2- The second method is Last Door Arming, which configures the system to automatically arm itself every time you exit the vehicle. This method of arming is programmable, and may be used or not used as desired.

Regardless of how it became armed, if the system is armed the system's Status Light flashes in the red color.

Arming Using the Transmitter

The system can always be armed from the transmitter, if the ignition key is "off" and the system is not in the Valet Mode. To arm the system, exit the vehicle, close all of the doors, and simply **press and release the "arm/lock" button once**.

The system's reaction: The parking and interior lights will flash once, the siren will chirp once and the Status Light will begin to flash red, confirming that the system is armed.* In addition, the doors will lock and the starter interrupt will engage to prevent any attempt to start the vehicle. Your security system is now fully armed, and is ready to respond if an intrusion attempt is detected.

*The system is described in its most common and basic configuration, with doorlocks connected, and he interior lights must be connected. The vehicle horn may used in place of, or in addition to, the system's electronic siren.

The MAX-EDP's separate "**arm/lock**" and "**disarm/unlock**" button design allows repetitive operation- if already armed, pressing the "**arm/**

15 Minutes (press "**OPTION**" button to program)
20 Minutes (press red "**panic**" button to program)

This feature sets the period of time that the engine will run after being remotely started. If the engine is not stopped by transmitter command or a safety circuit violation, the engine will automatically stop upon the expiration of the selected time period. **Caution: The remote engine starting feature should NEVER be used when the vehicle is parked in an enclosed structure or garage.**

Feature #23 Steady/Flashing Lights During Remote Start

Factory Default Setting **Steady** (press "**arm/lock**" button to program)
Option: **Flashing** (press "**disarm/unlock**" button to program)

This Feature configures the system's operation of the vehicle's parking lights when the engine is running after it has been remotely started. The factory default setting has the parking lights illuminating steady during the engine run time; the other setting flashes the parking lights on and off during the engine run time.

Feature #18 Door Activated Anti-Carjacking Protection

Factory Default Setting **Off** (press "**disarm/unlock**" button to program)
Option: **On** (press "**arm/lock**" button to program)

This form of Anti-Carjacking is initiated by a door being opened. The Anti-Carjacking protection, including the three ways to initiate it are described on pages 24 & 25.

Feature #19 Remote Activated Anti-Carjacking Protection

Factory Default Setting **Off** (press "**disarm/unlock**" button to program)
Option: **On** (press "**arm/lock**" button to program)

This form of Anti-Carjacking is initiated by a signal from the transmitter (or optional 2-way controller). The Anti-Carjacking protection, including the three ways to initiate it are described on pages 24 & 25.

Feature #20 Open Door Warning Upon Arming

Factory Default Setting **Off** (press "**disarm/unlock**" button to program)
Option: **On** (press "**arm/lock**" button to program)

When this feature is turned on, if one of the vehicle's doors is open at the time that the system is armed via the transmitter, the siren will chirp 3 times and the parking lights will flash 3 times instead of once.

Feature #21 Red "panic" Button Operation

Factory Default Setting **Panic**
(press "**arm/lock**" button to program)

Options:
3rd Channel (press "**disarm/unlock**" button to program)
4th Channel (press "**OPTION**" button to program)
5th Channel (press red "**panic**" button to program)

This feature changes how the transmitter's red "**panic**" button operates. Normal operation, or the default setting, has the "**panic**" button operate the Panic feature. This feature allows changing it to operate the 3rd channel or either of the two other optional channel outputs. Panic can still be operated, by the alternative methods of pressing either the "**arm/lock**" and "**disarm/unlock**" button for 3 seconds.

This feature will also operate with the optional 2-way controller in the same fashion as described

Feature #22 Remote Start Run Time

Factory Default Setting **10 Minutes**
(press "**disarm/unlock**" button to program)

Options:
5 Minutes (press "**arm/lock**" button to program)

lock" button will simply rearm the system, and vice versa when pressing the "**disarm/unlock**" button.

Arming Bypass: Upon arming, if any system sensing circuit is inoperable, that circuit only will automatically be bypassed. When an unsecured sensing circuit is in a bypassed state, all other normally operating circuits will be protected. Should the bypassed circuit become secured, it will automatically be reinstated for protection 5 seconds later. When certain protection circuits are bypassed, such as the hood/trunk and impact sensor, and the system is armed, it will indicate this by chirping the siren three time and flashing the parking lights three times instead of the normal arming indication of one chirp and one flash.

For example, should the trunk be open, you can still arm the system with the transmitter, and in this case the arming indicator will be 3 siren chirps and 3 parking light flashes. Arming Bypass will only operate when arming the system with the transmitter.

Sensor Bypass: When arming the MAX-EDP system with the transmitter, you may conveniently and easily temporarily deactivate the impact sensor without affecting the system's other sensing circuits. To deactivate the sensor, arm the system by pressing the "**arm/lock**" button, then press and release the transmitter's "**OPTION**" button within three seconds. You will hear a second siren chirp confirming that the security system has armed without the sensor protecting the vehicle. The next time the system is armed normally with one "**arm/lock**" button press, the sensor will again be part of your protection.

Automatic "Last Door Arming" of the System

The MAX-EDP can also be programmed to automatically arm itself, and in this process, to lock or not lock the doors. When this feature is utilized, closing the vehicle's last door will cause the siren to chirp once, the parking and interior lights to flash once and the Status Light to start rapidly flashing red. Thirty seconds later the siren will chirp again and the lights will flash again, the doors will lock (which is separately programmable) and the Status Light will slow to a steady red flash, confirming that the security system is fully armed. If a point of entry is reopened before the single siren chirp at 30 seconds, the Last Door Arming process stops, and will reset to start over when the point of entry is again closed. All protected entries must be closed to initiate the Last Door Arming sequence.

To temporarily prevent the system from automatically Last Door Arming,

you have these options: put the system into Alarm Valet Mode (page 19), leave the door open, or, in most cases turning on the dome light may cause the system to detect that your door is still open. Leaving the ignition key turned "on" is not recommended.

Last Door Arming offers a high level of security, since you do not have to remember to arm the security system every time you leave the vehicle, and using it may entitle you to an insurance discount (please check with your agent or carrier).

While the System is Armed, and should it Trigger

While the security system is armed, the Status Light flashes red in color. Should any intrusion attempt be detected, the system will instantly activate, or "trigger". Once triggered, the MAX-EDP loudly sounds the siren and flashes the parking and interior lights on and off.

When it is first triggered, the Status Light changes its red flash pattern, and the doors will automatically relock. Should a door be open when the system triggers, it will wait until the door is closed, and at that time relock the doors. The automatic relocking of the doors denies access to the thief, and is just one of the many exclusive patented features of the MAX-EDP. The siren will sound and the parking and interior lights will flash for 30 seconds unless you disarm the system first (60, 90 and 120 seconds activated periods are options- see Feature #11, page 34). If all protected entries are secure at the end of the 30 seconds, the system will stop and rearm itself, ready to detect further entry attempts. If there is a protected entry still open or the impact sensor still in a violated state at the end of 30 seconds, the system will reactivate for two more 30 second cycles. In this case the system will stop after a total of 3 cycles and rearm automatically, and then ignore only the open entry or violated sensor. When the entry is closed or the sensor is reset, protection will begin instantly for the formerly affected circuit.

Anytime the security system triggers, the Status Light will indicate which protected zone triggered the system by flashing two, three or four times between pauses, in the red color which indicates “alarm” operations. This “Zone Violation” code will continue to flash, even after disarming. The system can hold two different violation codes in it's memory, which is cleared by turning the ignition switch "on".

Once the MAX-EDP has been activated and reset, the disarming confirmation changes to make the user aware that it has done so (see the following “Disarming the System” section).

a system activation, or alarm, cannot occur. This Arming Delay allows the system to completely process its sensory parameters, which can include allowing the vehicle to stabilize. In some cases more time is needed than the factory-set 3 seconds, and this feature offers three longer delay options.

Feature #15 Steady Siren or Pulsed Horn

Factory Default Setting	**Steady Siren** (press “**arm/lock**” button to program)
Options:	
Pulsed Horn Low	(press “**disarm/unlock**” button to program)
Pulsed Horn Medium	(press “**OPTION**” button to program)
Pulsed Horn High	(press red “**panic**” button to program)

It is important to understand that the MAX-EDP has a primary audible output, for the electronic siren; and that it also has a programmable relay which among its applications is being used to sound the vehicle’s existing horn. This feature changes only the primary audible output, so that it can be utilized to sound the existing horn by itself. This is for cases when the programmable relay is desired for other features, such as unlocking the doors, or as an additional ignition or accessory output should it be needed for the remote starting operation.

The Steady Siren setting is exactly that- a steady output which the electronic siren requires. When programming this feature for using the output for the vehicle’s horn, the optional setting produce pulsed output on the system’s siren wire, in three different pulse timings, which allow a degree of customizing the horn’s sound during the alarm activation.

Feature #16 Alarm Functions Bypass

Factory Default Setting	**Off**	(press “**disarm/unlock**” button to program)
Option:	**On**	(press “**arm/lock**” button to program)

This feature converts the system into a strictly Remote Keyless Entry System by eliminating all antitheft alarm-oriented operations and features. When this feature is programmed on, the MAX-EDP has remote keyless entry and engine starting operation only.

Feature #17 Ignition Activated Anti-Carjacking Protection

Factory Default Setting	**Off**	(press “**disarm/unlock**” button to program)
Option:	**On**	(press “**arm/lock**” button to program)

This form of Anti-Carjacking is initiated by the ignition key being turned on. The Anti-Carjacking protection, and the three ways to initiate it are described on pages 24 & 25.

Feature #11 Alarm Duration

Factory Default Setting **30 Seconds**
(press "**arm/lock**" button to program)

Options:
60 Seconds (press "**disarm/unlock**" button to program)
90 Seconds (press "**OPTION**" button to program)
120 Seconds (press red "**panic**" button to program)

This feature allows four choices of the Alarm Duration, which is the period of time for which the system sounding the siren (and/or horn, optionally) and flashes the parking lights when it is triggered. **Caution: Before lengthening the Alarm Duration you should always check and determine if there are any local anti-noise or nuisance ordinances in your area, to avoid the possibility of receiving a violation citation.**

Feature #12 Parking Light Illumination Upon Disarm

Factory Default Setting **On** (press "**arm/lock**" button to program)
Option: **Off** (press "**disarm/unlock**" button to program)

This feature affects the parking light operation when the system is disarmed. When this feature is turned on, the parking lights flash once, and then turn back on for external illumination for 30 seconds unless the ignition key is turned on during that time. If this feature is turned off, the parking lights flash once only, and do not illuminate. This feature only affects the MAX-EDP's parking light operation, and not the interior light operation.

Feature #13 2nd Channel Also Disarms System

Factory Default Setting **On** (press "**arm/lock**" button to program)
Option: **Off** (press "**disarm/unlock**" button to program)

"2nd channel" is most commonly used to remotely open the vehicle's trunk, in which case the alarm should also disarm. This feature, turned on, configures the system to disarm when the 2nd channel is used. If turned off, the 2nd channel output will still occur, with 2 chirps, but without the parking light flashes; and if armed, the system will not disarm.

Feature #14 3 or 45 Second Arming Delay

Factory Default Setting **3 Seconds**
(press "**arm/lock**" button to program)

Options:
15 Seconds (press "**disarm/unlock**" button to program)
30 Seconds (press "**OPTION**" button to program)
45 Seconds (press red "**panic**" button to program)

When the system is armed, whether by the transmitter, optional 2-way controller or by an automatic feature, there is a brief period of time in which

Prewarning Detection Circuit: When the sensor is triggered by a light impact or shock to the vehicle, the security system will respond by chirping the siren 3 times and locking the doors. After this Prewarning circuit has been triggered five times it will automatically shutdown until the alarm system is disarmed, then armed.

Disarming the System

There are two methods of disarming the MAX-EDP:

1- The primary method is to use the **transmitter** by pressing and releasing its "**disarm/unlock**" button. This is the normal "daily use" method.

2- The second method is an "**Emergency Override**" alternative, should the transmitter become lost or inoperable. This method uses the Valet Switch, but the vehicle's ignition key is also required.

Disarming the System Using the Transmitter

Press and release the transmitter's "disarm/unlock" button once to instantly disarm the system, disengaging the starter interrupt and unlock the doors. If you have the optional unlock driver's door feature installed, then upon disarming only the driver's door will unlock, and if the "**disarm/unlock**" button is pressed again at anytime thereafter, all of the doors will unlock.

The system's reaction: Disarming is confirmed by the siren chirping twice, the Status Light turning off, and the parking lights flashing twice, then with the interior lights illuminating for 30 seconds for approach illumination. The lights will turn off instantly if the ignition switch is turned "on" before the 30 seconds expires.

If the MAX-EDP was activated and reset itself: The disarming confirmation will no longer be 2 siren chirps, and the parking lights flashing twice before staying on with the interior lights. Instead, the system will respond with 4 siren chirps and the parking and interior lights flashing 4 times before staying on for 30 seconds. The Status Light will change to flashing two to four times in red between pauses as a "Zone Violation" code to indicate which protection circuit triggered the system (2 flashes, hood/trunk; 3 flashes, doors; 4 flashes , impact sensor). These special audible and visual disarming indications, and Zone Violation code, will remain this way until the ignition key is turned "on".

Safety Disarm/Storm Mode: While the system is activated, i.e. sounding the siren and flashing the lights, pressing the "**disarm/unlock**" button will disarm the system, but not unlock the doors. This safety feature ensures that the vehicle remain secure should the system require disarming due to being activated from nuisance or malicious false sensory inputs, such as typically produced by severe weather conditions. To remotely unlock the doors if the system is disarmed while activated, simply repeat the disarm operation by pressing and releasing the "**disarm/unlock**" button again. If disarmed from a panic mode, the normal disarm indications are present, including the unlocking of the doors.

Automatic Rearming Feature: Automatic Rearming is a programmable feature which ensures that your system is never inadvertently disarmed. It is possible to accidentally or unknowingly operate the transmitter from a pocket or purse. You may not even be aware of an accidental disarming due to the enhanced operating distance offered by the MAX-EDP's extended range. Automatic Rearming has the alarm rearm itself 90 seconds after it is has been disarmed, unless a vehicle door is opened and the ignition key turned on. Automatic Rearming is confirmed by a fast flashing Status Light after the disarming, unless the system was triggered, in which case a Zone Violation code will flash instead.

During the 90 second period, Automatic Rearming can be paused by opening the door or stopped completely by turning the ignition key "on". Also, Automatic Rearming can be cancelled by the Safety Disarm/Storm Mode feature; if the system is disarmed while triggered, Automatic Rearming will not occur.

Disarming the System by Emergency Override

Should the transmitter become lost, damaged, or its batteries become exhausted, the Valet Switch and the vehicle's ignition key may be used to disarm the system:

Step 1 With the system in the armed condition, enter the vehicle via the driver's door (be aware that the alarm will trigger when the door is opened).

Step 2 Using the ignition key, turn the vehicle's ignition switch on.

Step 3 Within 5 seconds press and release the Valet Switch one time. The system will disarm.

The number of Valet Switch presses which are required for the

Feature #8 Open Door Bypass of Ignition Locking

Factory Default Setting **On** (press "**arm/lock**" button to program)
Option: **Off** (press "**disarm/unlock**" button to program)

This feature cancels the automatic locking or unlocking of the vehicle's doors should one of the doors is open when the ignition switch is turned on or off.

Feature #9 Confirmation Chirps

Factory Default Setting **On**
(press "**arm/lock**" button to program)
Options:
Off (press "**disarm/unlock**" button to program)
Chirps Excepting Valet Mode (press "**OPTION**" button to program)
Chirps in Valet Mode Only (press red "**panic**" button to program)

This feature removes the system's 1 arming and 2 disarming confirmation chirps. When this feature is used to remove these chirps, the system will still have 3 chirps
upon arming if a protected zone is violated, and still have 4 chirps upon disarming if the system was previously activated. Using this feature to turn off the arm and disarming chirps will also not affect the Prewarning operation, Unauthorized Transmitter Alert (if used), nor will it affect the chirps used when programming.

The other two settings will have the confirmation chirps operate only when the system is in Valet Mode, and not otherwise; or, the chirps will operate except when the system is in Valet Mode.

Feature #10 Confirmation Chirp Volume

Factory Default Setting **Medium High**
(press "**OPTION**" button to program)
Options:
Low (softest) (press "**arm/lock**" button to program)
Medium Low (press "**disarm/unlock**" button to program)
High (loudest) (press red "**panic**" button to program)

This feature allows the choice of four different volume levels of the system's confirmation chirps, and when programming it, the buttons can be repeatedly and sequentially pressed, thus making it easy to hear and choose the setting with the best chirp volume.

This feature operates regardless of how feature #15, "Steady Siren" or "Pulsed Horn" is set. Feature #15 sets "Steady"; or "Pulsed" as three different timings, for the activated alarm period output. This feature, #10, affects only the confirmation chirps.

Feature #5 Ignition Activated Override

Factory Default Setting **Off** (press "**disarm/unlock**" button to program)
Option: **On** (press "**arm/lock**" button to program)

This feature allows an activated system to be overridden and disarmed by simply turning the ignition switch on within 10 seconds of the system's activation. After 10 seconds, the Emergency Override must be performed or the transmitter's "**disarm/unlock**" button can be used to disarm the system.

Feature #6 Doors Lock With Ignition On

Factory Default Setting **On** (press "**arm/lock**" button to program)
Option: **Off** (press "**disarm/unlock**" button to program)

This feature configures the system to automatically lock the vehicle's doors every time that the ignition switch is turned on. An exception to this would be if feature #8 is turned on, and a door being open when the ignition switch is turned on. The following feature #7 controls the automatic unlocking operations, and feature #8 provides for an override of this automatic locking if a door is open when the ignition is turned on.

Feature #7 Doors Unlock With Ignition Off

Factory Default Setting **On (all doors will unlock)***
(press red "**panic**" button to program)
Options:
Off (press "**arm/lock**" button to program)
Driver's Door Only* (press "**disarm/unlock**" button to program)
All Doors Except Driver's Door* (press "**OPTION**" button to program)

Similar to the previous locking feature, except this feature controls the unlock operations when the ignition is turned off, and it has more options because of the MAX-EDP's multiple unlocking outputs.

***Multiple unlock outputs offer the capability of unlocking only the driver's door when the system is disarmed (Driver Door Priority Unlocking), and then the option of unlocking all doors with a second press of the "**disarm/unlock**" button. **The driver's door unlocking differently from the other doors must be configured when the system is installed!**

If the system is installed without the Driver's Door Priority Unlocking interface, this feature unlocks all of the doors when the ignition switch is turned off.

If Driver's Door Priority Unlocking is installed, this feature can control only the driver's door unlocking when the ignition is turned, all doors unlocking, or all doors except the driver's. The following feature provides for an override of this automatic unlocking if a door is open when the ignition is turned off.

Emergency Override is custom-programmable! This is the SecureCode feature, which is described on page 21. **The above Emergency Override instructions reflect the "as received from the factory" default setting.**

Remote Panic Feature

Should you feel threatened, or the need to attract attention, you can activate your system's remote "Panic" feature at any time by pressing and holding for 3 seconds the transmitter's "**arm/lock**", the "**disarm/unlock**", or the "**panic**" button. Your system will respond by sounding the siren and flashing the parking lights for the normal activated alarm period of 30 seconds.

Additionally, the MAX-EDP system features an unique "enhanced" remote Panic operation, regarding additional operations during Panic, and in association with the transmitter button used in it's activation or deactivation:

- Activating Panic with the "**arm/lock**" button will lock the doors, arm the system and engage the starter interrupt.
- Activating it with the "**disarm/unlock**" button will unlock the doors, disarm the system and does not engage the starter interrupt.
- Activating Panic with the red "**panic**" button will not affect the system's armed or disarmed status; the doors locked or unlock condition; nor will it affect the starter disable circuit.

To disengage remote Panic, simply press and release any one of the same three transmitter buttons, or, allow it automatically stop after 30 seconds.

- Deactivating Panic with the "**arm/lock**" button will stop Panic, and leave the system armed with the starter interrupt engaged, and the doors locked.
- Deactivating it with the "**disarm/unlock**" button will stop Panic, and leave the system disarmed with the starter interrupt disengaged, and the doors unlocked.
- Deactivating Panic with the "**panic**" button will stop Panic, and leave the system in the same state it was in at the moment Panic started, without locking or unlocking the doors.
- If the system is allowed reset itself from remote Panic, it will enter the armed state, locking the doors and engaging the starter interrupt, regardless of which of the three buttons was used to activate it.

If desired, it is possible to have the "**panic**" button operate the 3rd channel output or the two optional further channel outputs, instead of remote Panic- see "Feature #21" on page 36.

Remote Engine Starting

The remote engine starting feature should not be used when the vehicle is parked in an enclosed structure or garage!

Your Omega MAX-EDP system offers the ultimate in comfort and convenience- remote engine starting. This feature allows the vehicle's interior to be warmed in the winter or cooled in the summer before you enter the vehicle. Simply leave the climate controls set to the desired settings when leaving the vehicle prior to using the remote starting feature.

The following pages explain the remote engine starting operations. If the vehicle has a manual transmission, a special procedure is required when exiting the vehicle to enable the ability to remote start. Otherwise, the actual activation of remote start is the same for automatic or manual transmission vehicles.

- When leaving the vehicle before remote starting, remember to set the climate controls to the desired heating or air conditioning settings.
- If desired, the system's alarm function may be armed or disarmed as needed during remote start operations (the system must be disarmed before entering the vehicle).

How to Activate Remote Starting

Press and release together the transmitter's "**arm/lock**" and "**disarm/unlock**" buttons.

The system's reaction: The system will respond first by rapidly flashing the Status Light in green color, then by turning on the ignition and flashing the parking lights once. Then the starter will engage until the engine runs; 10 seconds later the parking lights will illuminate steady during the period that the engine is running from being remotely started. (having them flash instead is an option- see the User Programmable Features section).

The engine will run for 10 minutes (the factory-set period). 5, 15 and 20 minute run times may be programmed, if desired, by referring to the "Programming Features" section. Once the engine has been remotely started, to remotely stop it on demand, before it times out, again press and release together the transmitter's "**arm/lock**" and "**disarm/unlock**" buttons. The system will stop the engine, and extinguish the parking lights.

This feature turns that operation on or off, and with options of having Last Door Arming operate with or without also locking the doors when the system does arm.

Feature #3 Automatic Rearming

Factory Default Setting **Off**
(press "**arm/lock**" button to program)

Options:
On without doors locking (press "**disarm/unlock**" button to program)
On with doors locking (press "**OPTION**" button to program)

"Automatic Rearming", described on page 12, prevents the system from becoming accidentally disarmed by having it arm itself after being disarmed, if a door is not then opened or the ignition turned on. Options are to have Automatic Rearming operate with or without also locking the doors when the system does rearm.

Feature #4 Starter Interrupt Functions

Factory Default Setting **Alarm Only**
(press "**arm/lock**" button to program)

Options:
Off (press "**disarm/unlock**" button to program)
Automatic (press "**OPTION**" button to program)
Alarm & Anti-Grind (press red "**panic**" button to program)

This feature controls the Starter Interrupt circuit, in several ways. In its default setting, "Alarm Only", the Starter Interrupt is operable whenever the alarm is armed. The Starter Interrupt can also be used to prevent the accidental grinding of the starter, by trying to start the vehicle when it is already running by remote starting (as when the ignition key is turned to "run" to drive the vehicle).

The "Automatic" option 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 Valet Mode by pressing and holding the Valet Switch for 2 seconds to disengage it. There are no Status Light indications with this automatic form of Starter Interrupt.

Programming this feature off completely eliminates the Starter Interrupt output, while leaving all other system operations fully functional.

Feature #1 SecureCode

Factory Default Setting **1 Press**
Options:
1 to 9 presses, in each of two stages

SecureCode is a unique patented feature which allows you to custom select the number of Valet Switch presses in two stages, instead of a single "1 press", which would be required in order to perform an Emergency Override. If any of the three anti-carjacking features are utilized, a customized SecureCode would also be required to turn it off once it is fully activated. The SecureCode operation is described on page 31.

To custom program a new SecureCode:

Step 1 Follow Steps 1 to 4 in the previous "How to Program Features" instructions; at Step 4 the Valet Switch will be pressed and released once (the siren chirps once) to access "feature #1".

Step 2 Within 10 seconds slowly press and release the transmitter's "**arm/lock**" button the number of times equal to the desired SecureCode for stage 1, allow the system to respond to each transmitter button press with a siren chirp before pressing the button again.

Step 3 After entering the first stage by pressing the "**arm/lock**" button the desired number of times, and receiving a chirp for each press, wait for the system, after the final button press, to chirp the siren again the total number of times that the button was pressed.

Step 4 Continue to configure stage 2 of the SecureCode by now pressing and releasing the "**disarm/unlock**" button the number of times desired for the stage 2. This should be done in the exact same fashion as the stage 1 entry- press the "**disarm/unlock**" button, wait for a single chirp before pressing the button again, and then when final button press is done, wait after the single chirp for the siren to chirp the total number entered Valet Switch entry.

Feature #2 Last Door Arming

Factory Default Setting **Off**
(press "**arm/lock**" button to program)
Options:
On without doors locking (press "**disarm/unlock**" button to program)
On with doors locking (press "**OPTION**" button to program)

"Last Door Arming" has the system automatically arm itself every time you exit the vehicle (the complete operation is described on pages 9 & 10).

Should the engine fail to start on the first remote attempt, the system will subsequently make as many as three further attempts, as needed. Please note that each starting attempt takes approximately 20 seconds for the system to check the vehicle's status, cycle the ignition and starter circuits, and then monitor vehicle status again before the next attempt.

To drive the vehicle away after remote starting, disarm the system (if needed) open the door to enter the vehicle, insert the key into the ignition switch and turn the switch to "on" or "run" position (not "start"!). Then press the brake pedal or remove the gear selector from "park"; now the engine is no longer running from the system, but rather from the ignition key. To indicate this, the system will briefly sound the siren. Pressing the Valet Switch will also turn off the system's running the engine, but without the violated safety circuit siren sounding.

Safety Features: Certain conditions will prevent the engine from remotely starting, or if remotely started already, will stop the running engine. These conditions are:

- ✓ A pressed brake pedal.
- ✓ The gear selector not being in the "park" or "neutral" position, or alternatively, the parking brake not being set.
- ✓ An open hood.
- ✓ If manual transmission, the vehicle was entered or disturbed after the setup procedure was performed.

An open door will not prevent the system from starting the engine; if the engine has already been remotely started, opening a door will not stop the running engine, unless the system is armed. Opening a door with the engine running by remote control and the system armed will result in activating the system, which will stop the running engine.

If a start command is sent from the transmitter, but any of the above conditions are present, the system will not attempt to start the engine and will instead have a short sounding of the siren to indicate a violated safety circuit. The violated safety circuit conditions which can produce this indication are the gear selector not in the "park" position, an open hood or trunk, or a pressed brake pedal.

"Stick Shift" Remote Starting Setup Procedure: When the Omega MAX-EDP is installed into a manual transmission vehicle, Installer Programmable Feature #5 must be turned on. Then, whenever remote starting will be desired at a later time the following procedure must be performed before exiting the vehicle:

Step 1 With the engine running and foot on the brake, apply the parking brake, put the transmission shifter in "neutral", and remove your foot from the brake.

Step 2 Press and release the transmitter "**arm/lock**" and "**disarm/unlock**" buttons together. The Status Light will begin flashing green, as the MAX-EDP is now keeping the engine running. Do not press the brake pedal from this point, and the parking brake must remain on.

Step 3 Within 2 minutes, turn off the ignition key, exit the vehicle and then press the transmitter's "**arm/lock**" button to lock the vehicle. The alarm will also arm, and the previously running engine will stop. The Status Light also changes to show the "armed" indication, flashing slowly red, but every fourth flash will be green, indicating that the system is "armed, and ready for remote starting".

From this point, the vehicle may be remote started provided that it is not disturbed. When ready to remote start, the activation of remote starting is the same as previously described: press and release the transmitter's "**arm/lock**" and "**disarm/unlock**" buttons together.

During the setup procedure, the parking brake must remain set, and the regular brake pedal must not be pressed when and after the transmitter's "**arm/lock**" and "**disarm/unlock**" buttons are pressed. After exiting the vehicle, the transmitter's "**arm/lock**" button only must be used to secure the vehicle. Using any other transmitter button will produce the appropriate system response, but the remote starting setup will be voided.

Once the system is fully setup for remote starting, it will start the engine if the next transmitter operation is pressing the "**arm/lock**" and "**disarm/unlock**" buttons together. If any other transmitter button is pressed the remote starting setup will be voided. If the armed alarm should be triggered during this period, the remote starting setup condition will be voided.

Pit-Stop Feature: This feature allows you to turn off the ignition switch, remove your keys, leave the vehicle and lock your doors while leaving the engine running. To use this feature, have the engine running normally from the ignition switch, have the gear selector in "park", and your foot off of the brake pedal. Press the Valet Switch twice; the parking lights will flash once and the siren chirps 5 times; then turn the ignition off. The engine will remain running for the programmed run time, or it will turn off if another transmitter signal is received, a safety circuit is violated, or if the Valet Switch is pressed.

This feature may be used anytime; it does not have to be specially programmed to operate.

Each of the Programmable Features is described in detail in the following pages. The User Programmable Features are described as a first group, and the Installer Programmable Features as a second group. It is important to note that programmable features affect the exact operation of the system, and that the descriptions of any features utilized should be used to supplement the basic system operations which were described in previous sections of this booklet.

The User Programmable Features

This group of 23 **User Programmable Features** are all accessed as a group in the first level of features' programming. These features have a direct affect upon the system's operations, so the programming and operation of each are described following the list.

1 SecureCode
2 Last Door Arming
3 Automatic Rearming
4 Starter Interrupt Functions
5 Ignition Activated Override
6 Doors Lock With Ignition On
7 Doors Unlock With Ignition Off
8 Open Door Bypass To Previous Two Features
9 Confirmation Chirps
10 Confirmation Chirp Volume
11 Activated Alarm Cycle
12 Lights On Upon Disarm
13 Disarm Alarm Upon Trunk Release
14 Arming Delay
15 Steady Siren Output / Pulsed Horn
16 Alarm Functions Bypass
17 Ignition Activated Anti-Carjacking Protection
18 Door Activated Anti-Carjacking Protection
19 Remote Activated Anti-Carjacking Protection
20 Open Door Warning Upon Arming
21 Red "**panic**" Button Operation
22 Remote Start Run Time
23 Steady / Flashing Lights During Remote Start

Use the step-by-step instructions on the previous two pages to change any of these programmable features, along with the feature's option choices and related programming transmitter button assignment found in the following individual feature descriptions.

To Access a Feature:

Step 4 Within 10 seconds, Press & Release the Valet Switch the same number of times as the desired feature's number.

- The siren will chirp and the Status Indicator Light will flash as many times as the Valet Switch was pressed to indicate the feature number which is now accessed.
- This and the following steps apply for both of the programming levels- User Programming or Installer Programming.

To Change a Feature:

Step 5 After accessing the desired feature, within 10 seconds Press & Release the appropriate transmitter or controller button.

- Pressing the "**arm/lock**" button typically turns the feature on; or sets the feature's first option. The siren will chirp once when this button is pressed.
- Pressing the "**disarm/unlock**" button also typically turns the feature off; or, sets the feature's second option. The siren will chirp twice when this button is pressed.
- Many features have third, and even fourth setting options. Pressing the "**OPTION**" and "**panic**" buttons select these options. Confirmation chirps when these buttons are pressed are three and four chirps respectively.
- Generally speaking, the Status Light will light solid when a selected feature is programmed "on", and not light when the feature is set for "off". Some features have more than one "on" option, in which case the Status Light will remain on for all of the feature "on" settings.

To Access and Change further Features:

Step 6 If there are more features to be programmed, within 10 seconds of the previous action Press & Release the Valet Switch the same number of times as the next desired feature's number.

- Again the siren will chirp and the Status Indicator Light will flash as many times as the Valet Switch was pressed to indicate the new feature number which is now accessed.
- Use the transmitter or controller as described in Step 5 to change the newly accessed feature as desired.
- Repeat this Step 6 for each additional feature until all features are programmed.

Step 7 Allow 10 seconds to pass without performing any programming actions; or, turn the vehicles's ignition on.

- The siren will sound briefly and the Status Indicator Light will go out to confirm that the system is exiting Programing Mode.

Low Battery Automatic Starting Feature: This feature may be used anytime. Setting this feature to operate has the MAX-EDP automatically start the engine should the vehicle battery voltage drop to 11 volts. This feature is very useful if the vehicle is to parked unattended for a long period of time, such as extended parking at the airport while away. Low Battery automatic starting must be activated for each occasion which it is desired to operate, as follows:

- Turn the ignition switch "on", then "off" (engine not running), and within 7 seconds press the brake pedal. The system will chirp 6 times. Then, open the door, exit the vehicle and close the door, press the transmitter's "**arm/lock**" button to lock the vehicle (arming the system).

The feature is now turned on, and until the system is disarmed or the ignition turned "on", if the system detects the vehicle battery voltage dropping to 11 volts, it will automatically start the engine.

Turbo Timer Feature: It is typically recommended that vehicles equipped with turbocharged engines allow the engine to idle for a few minutes before turning it off. When this Installer Programmable Feature is programmed on, the MAX-EDP will automatically keep the engine running as follows:

- With the engine running, hold the brake pedal and engage the parking brake. When the brake pedal is released, the MAX-EDP will keep the engine running for the selected time, and then automatically turn it off.

This feature must be programmed by the installer, and turning it on offers three run time choices- 1, 2, or 3 minutes. The alarm may be armed while the engine is running. Turbo Timer can be prevented form engaging, or "bypassed" if desired, by turning the engine off first and then engaging the parking brake, or if it's already engaged simply step on the brake pedal to turn the running engine off.

Other Transmitter Operations

To **Silently Arm or Disarm** the alarm, press and release the "**OPTION**" button twice. The siren's confirmation chirps will not occur, and this operation simply reverses, or "toggles" the armed and disarmed status that the system.

The **sensor** may be **temporarily bypassed**. When arming the alarm with the transmitter, within 3 seconds after the arming chirp press the "**OPTION**" button. The system will respond with another single chirp, confirming that the sensor is bypassed.

The **2nd channel output**, which is operated by pressing and holding the transmitter "**OPTION**" button for 1 second, is designed specifically to operate your vehicle's *electric* power trunk release. Your vehicle will respond by releasing the trunk lid or rear hatch, chirping the siren twice, turning on your parking and interior lights for 30 seconds, unlocking the doors, and disarming the system if it was armed. The 2nd channel output will not operate when the ignition switch is "on" unless the vehicle's door is open. If desired, the security system can be programmed to remain armed when this feature is used, and connection of the 2nd channel may require extra parts or installation.

The MAX-EDP also has a **3rd channel output** which is similar to the 2nd channel, but it does have some special operational design differences. To operate it, press and hold the transmitter "**OPTION**" and red "**panic**" buttons together for 1 second. Or, a programmable feature allows the pressing of the "**panic**" button only to operate this output.

The differences are that 3rd channel output will operate regardless of the ignition switch being "on" or "off", and there is no audible or visual confirmation. Connection of the 3rd channel will vary, depending upon the chosen application, and may require extra parts or installation.

There are also **optional 4th channel** and **5th channel outputs**, which are available if more remote control functions are desired. These outputs can be repurposed from two other system outputs, the factory arm and disarm outputs, by an Installer Programmable Feature #9 (see page 42).

When these outputs are programmed to operate, pressing the transmitter "**arm/lock**" and " buttons together will activate the 4th channel output. Pressing the "**disarm/unlock**" and red "**panic**" buttons will activate the 5th channel. Or, if desired, the transmitter "**panic**" button can be programmed by User Programming Feature #21 to operate any of these channels.

How to Program Features

To a large extent the Omega MAX-EDP's versatility is due to an incredible array of programmable features- 33 main-system programmable features which offer almost 100 choices of operational and interfacing options.

For easier management of the programmable features, they are divided into two separate accessibility levels. Features which allow the user to customize the system's operation according to their own choice are in one group, and the features which are installation related, or intended for the installer's use are in a second group. The MAX-EDP system has 23 **User Programmable Features**, and there are 10 **Installer Programmable Features**.

The same basic "**Features Programming Mode**" is the means for changing any of the features; the mode itself can be accessed as either the User level, or the Installer level.

The vehicle ignition key and the Valet Switch are used to enter the Programming Mode, then the transmitter or optional controller is used to change features. Once the system is in Programming Mode, a 10 second period without programming activity will cause the system to automatically exit Programming Mode. Features can be selected in any order as desired.

To Enter Programing Mode and Change Features:

Step 1	Turn the vehicles's ignition on.
Step 2	Turn the ignition off.
Step 3	Within 5 seconds, Press & Release the Valet Switch **5** times for User Programming (**Red** Status Light) OR **10** times Installer Programming (**Green** Status Light)

- The siren will chirp then sound briefly and the Status Light will flash to confirm that the system is entering Programing Mode.
- In the case of accessing the Installer Mode, the siren chirp then brief sounding will be heard at the fifth valet press, and then again at the tenth valet switch press.
- The Status Light shows red color for User Programming, and Green color for Installer programming.
- In either Programming Mode, if 10 seconds of no programming activity occurs, the system will exit Programming Mode. Programming activity is the pressing of the Valet Switch or pressing a transmitter button once a feature is accessed.

When the desired Programming Mode is accessed, select a Feature > > >

Standard Programming: Using this method to program additional or replacement transmitters and/or optional 2-way controllers does not turn on or otherwise affect the Unauthorized Transmitter Alert (UTA) feature.

Step 1 Have all transmitters and/or optional controllers which are to operate the system at hand. Turn the ignition "on".

Step 2 Within 5 seconds of turning on the ignition, press the Valet Switch 5 times. The siren will briefly sound, confirming that for the next 10 seconds the system is ready to learn a transmitter/controller code. To enter a code, simply press and release the "**arm/lock**" button (the button which is designed to arm the system). When the first code is learned all existing stored codes will be erased.

Step 3 Press the "**arm/lock**" button on each remaining transmitter or optional controller. The system will chirp the siren once to confirm that each was learned. The transmitter or controller's other three button's functions will automatically be assigned when the "**arm/lock**" button is learned. If a code is not received within a 10 second period, the learning process will automatically terminate, as indicated by another siren burst.

If the Unauthorized Transmitter Alert feature is on, programming a transmitter or optional controller to the system will activate the Unauthorized Transmitter Alert warning and the extended Status Light visual display; for the next 48 hours the siren will sound a brief series of chirps every time the vehicle's ignition key is turned on. The following special procedure programs the transmitter/controllers and also turns the Unauthorized Transmitter Alert feature on.

Special Programming procedure to turn On the UTA feature: Using this method to program transmitters or optional controllers, and to turn on or turn off the Unauthorized Transmitter Alert feature.

Follow the same steps as the Standard Programming, but on any transmitter/controller being programmed instead of pressing the "**arm/lock**" button, press the "**arm/lock**" and the "**disarm/unlock**" buttons together. This action turns **on** the Unauthorized Transmitter Alert feature and at the same time programs the transmitter or controller to operate the system.

Once the Unauthorized Transmitter Alert feature is turned on, the warning will sound for 48 hours after any transmitter or controller programming, including the programming session which was used to turn it on.

Using the Valet Switch-
Alarm Valet Mode & Starting Valet Mode

The Valet Switch has several functions:

- Placing the system into **Alarm Valet Mode**, which prevents it from arming.
- Placing it into **Starting Valet Mode**, which prevents it from remote starting.
- Should your transmitter be lost or become inoperable, the Valet Switch, **and the ignition key**, can be used to disarm the system with an **Emergency Override**.
- It is also used in the procedures for programming features and programming transmitters to operate the system. See the "Programming " sections of this manual for details on these uses.

Alarm Valet Mode: This allows you to turn off all of the "alarm" operations of the security system while retaining the remote convenience features such as keyless entry, Panic, and the Auxiliary Outputs. Remote starting is still operable, and has its own valet mode (below). The system may only be placed into Alarm Valet Mode when it's disarmed; if armed, an Emergency Override must be performed before placing into Alarm Valet Mode. Once the system is in Alarm Valet Mode, it cannot become armed from the transmitter, Last Door Arming, or Automatic Rearming.

Alarm Valet Mode and Emergency Override are two similar, but different procedures, although both operations use the Valet Switch, . Emergency Override disarms an armed and activated system, and requires the ignition key. Alarm Valet Mode turns off the alarm operations of the *disarmed* system, but without the need of the ignition key.

Alarm Valet Mode is designed for situations in which it is not convenient for the security portion of the system to be operational, such as during extended stopovers for vehicle servicing, maintenance, valet parking, washing, etc.

To Enter Alarm Valet Mode: With the system disarmed, and without pressing the brake pedal, press and hold the Valet Switch for 2 seconds.

- The siren will chirp twice, the parking lights will flash twice and the Status Light will illuminate solid red, then a series of green flashes, then return to solid red. The green flashes, numbering from 1 to 6 times, is a remote starting diagnostic code (see page 23).

- To indicate that the system is in Alarm Valet Mode, the Status Light remains solid red whenever the system is in Alarm Valet Mode.
- To remind the user that the system is in Alarm Valet Mode, the siren will chirp once every time the vehicle's ignition is turned off.

Starting Valet Mode: This feature is similar to Alarm Valet Mode, but its purpose is turn off the remote starting operations of the system. The system may be placed into Starting Valet Mode and Alarm Valet Mode independently, or into both modes at the same time. Please note that the only difference in obtaining either mode is whether or not the brake pedal is being pressed.

To Enter Starting Valet Mode With the system disarmed, and depressing the brake pedal, press and hold the Valet Switch for 2 seconds.

- The siren will chirp twice, the parking lights will flash twice and the Status Light will illuminate solid green to confirm that the system is in Starting Valet Mode.
- There is no audible reminder that the system is in Starting Valet mode.

To Enter both Modes (Full Valet Mode): With the system disarmed, press and hold the Valet Switch for 4-6 seconds with the brake pedal in both conditions. For example, start pressing the Valet Switch with the brake pedal unpressed; as soon as the two chirps are heard, press the brake pedal but do not release the Valet Switch. As soon as a second set of two chirps is heard, the Valet Switch may be released. The system is now in Full Valet Mode. It does not matter in what order the pressed or unpressed brake pedal occurs.

- Once the system is in Full Valet Mode the Status Indicator Light will slowly alternate green and red to confirm that the system is in Full Valet Mode. This indication is present whenever the system is in Full Valet Mode.
- There will be the single chirp reminder every time the ignition turns off. This is for the Alarm Valet Mode part of the Full Valet Mode condition.

To Exit any of the 3 forms of Valet Mode, simply Press & Release the Valet Switch at any time.

- The Status Indicator Light will turn off to confirm exit from either Alarm Valet Mode, Starting Valet Mode, or both.

If desired, User Programmable Feature #21 can be used to have the Anti-Carjacking engage by pressing only the red "**panic**" button (remote "Panic" still operates with the "**arm/lock**" and "**disarm/unlock**" buttons, and "Panic" without doorlocks moves to the "**OPTION**" and red "**panic**" buttons together

Transmitter Protection

The Omega MAX-EDP features several security safeguards in one of the most vulnerable areas of any remotely controlled system. These apply with both 1-way transmitters and optional 2-way controllers.

Code Jumping™ It is quite easy, with the proper equipment, to record an alarm or keyless entry system's transmitter signal, and simply play the captured signal back to the system to defeat it. The MAX-EDP's Code Jumping renders such "code grabbing" devices useless by randomly changing each signal that the transmitter sends.

Automatic Transmitter Verification™ shows the total number of transmitters which can operate the system, by flashing the Status Light with this number for 10 seconds every time that the ignition key is turned on.

Unauthorized Transmitter Alert™ (UTA) is a protection feature which may be turned on by the user (see the next section, "How to Program Transmitters"). When this protection feature is utilized, whenever a transmitter (or optional 2-way controller) is added to operate the system, for 48 hours afterward a warning consisting of a brief series of siren chirps sounds every time the vehicle's ignition is turned on.

Also during this 48 hour warning period, the 10 second Automatic Transmitter Verification visual display will increase to being displayed for 90 seconds instead of 10 seconds. When this feature is used and activated, after 48 hours the warning chirps disappear and the Status Light flashing the number of transmitters returns to being displayed for 10 seconds.

How to Program Transmitters

The MAX-EDP system is capable of being operated by as many as four 1-way transmitters or optional 2-way controllers; these can be in any combination of transmitters or optional controllers. Regardless of which, the transmitter or controller must be encoded, or programmed, to the system in order to operate it (excepting the originals, which were programmed at the factory).

The programming procedure is identical for a transmitter or for a controller. Also, it is during the programming procedure that the Unauthorized Transmitter Alert feature may be turned on.

Anti-Carjacking Protection

The Omega MAX-EDP features three separate Anti-Carjacking protection features, whose operation may be selectively activated by the ignition, by an open door, or by the transmitter. All three are programmable, and must be turned on to operate. Once activated, the user has 53 seconds to cancel the Anti-Carjacking protection process by pressing the Valet Switch once. If Anti-Carjacking is not cancelled, 53 seconds after being activated the siren will begin to chirp for 7 seconds to alert the user that the system is about to enter into an alarm condition. The Valet Switch may still be pressed once during this period to cancel the Anti-Carjacking process.

If the Anti-Carjacking process is not cancelled before the 60 second countdown expires, the system will enter an alarm condition, sounding the siren and flashing the parking lights. 30 seconds after this occurs, or should the ignition be turned off in the meantime, the stater interrupt will engage. Once the system enters the alarm condition, it will not respond to the transmitter, nor will the system reset automatically after 60 seconds, and it can only be disengaged by:

Step 1 Turning the vehicle's ignition off.

Step 2 Turning the ignition back on.

Step 3 Within 5 seconds, perform an Emergency Override using the Valet Switch. If the SecureCode has been customized, the correct number of Valet Switch presses must be made.

The three types of Anti-Carjacking protection features are:

Anti-Carjacking protection activated by the vehicle's ignition has the process start every time the vehicle's ignition is turned on. The Valet Switch must be pressed within 60 seconds every time the vehicle is started to cancel Anti-Carjacking. This is User Programmable Feature #17 (see pages 27,28, and 35).

Anti-Carjacking protection activated an open door has the process start should a door be opened after the vehicle is started and the engine is running. The Valet Switch must be pressed within 60 seconds after the door is opened to cancel Anti-Carjacking. This is User Programmable Feature #18 (see pages 27,28, and 36).

Anti-Carjacking protection activated using a transmitter has the process start by pressing and holding the "**OPTION**" and red "**panic**" buttons together for 3 seconds, but only if the vehicle's ignition is on. The Valet Switch must be pressed within 60 seconds after this is done to cancel Anti-Carjacking. This is User Programmable Feature #19 27,28, and 36).

SecureCode

"SecureCode" allows the user to customize the number of Valet Switch presses which are required to successfully perform an Emergency Override. **The basic Emergency Override procedure is described on pages 12-13**. Instead of a single "1 press" of the Valet Switch which would be required in order to perform an Emergency Override, two stages of Valet Switch presses must be made. In each of the two stages, the Valet Switch will need to be pressed 1 through 9 times, as programmed by the user. This is the Emergency Override procedure if the system has programmed with a customized SecureCode:

Step 1 With the system in the armed condition, enter the vehicle via the driver's door (be aware that the system will activate to an alarm condition when the door is opened).

Step 2 Using the ignition key, turn the vehicle's ignition switch on.

Step 3 Within 5 seconds press and release the Valet Switch the same number of times that have been programmed for stage #1.

Step 4 After a few seconds, the siren will stop sounding, chirp once, and then resume sounding.

Step 5 Now, within 5 seconds press and release the Valet Switch the same number of times that have been programmed for stage #2. Within a few seconds the siren will stop sounding, and the unit will disarm.

Once the system is disarmed, if Alarm Valet Mode is desired, just press and hold the Valet Switch for 2 seconds to place the system into Valet Mode. Should a mistake be made entering the SecureCode, after a failed attempt to achieve SecureCode, the ignition switch must be turned off, then on again before another attempt is made.

Should two failed SecureCode attempts be made, the system will ignore any further presses of the Valet Switch for two minutes.

In addition to Emergency Override, if any of the three anti-carjacking features are utilized, a correct customized SecureCode would also be required to turn off anti-carjacking once it has become fully activated. How to program your own customized SecureCode is explained on page 30.

The Status Light

The Status Light visually confirms the status of the system and provides a high level of visual deterrence. Two colors are shown- Red for security operations, and Green for remote starting operations. Combinations of both colors are seen when the two operations are occurring together. The Status Light is located in the vehicle interior, either by itself or in the combination holder with the Valet Switch (see page 5).

Security System Status: The Red colored operations of the Status Light indicate the status of the security system:

1) Off = The security system is disarmed and not performing automatic functions. The remote starter system is off, but in standby mode.
2) On Red Constant = The security system is in the Valet Mode, with the remote starter system off and in standby mode.
3) Flashing Slow Red = The security system is fully armed, with the remote starter system off and in standby mode.
4) Flashing Fast Red = Last Door Arming or Automatic Rearming is in progress, with the remote starter system off and in standby mode.

Automatic Transmitter Verification: For the first 10 seconds after the vehicle's ignition is turned on, the Status Light will flash Red a number of times that equal the number of transmitters that are capable of operating the system:

5) 1 Red Flash /pause = 1 transmitter is programmed.
6) 2 Red Flashes /pause = 2 transmitters are programmed.
7) 3 Red Flashes /pause = 3 transmitters are programmed.
8) 4 Red Flashes /pause = 4 transmitters are programmed.

Zone Violation: If the system enters an alarm condition, the Status Light will stop flashing slow Red and begin to flash in sequence to indicate which protected zone caused the alarm condition. The Status Light will flash and pause to indicate which protected zone was violated while the system is still armed, after it's disarmed, and until the vehicle's ignition is turned on. The system's Zone Violation feature's memory can store two consecutive zone violations. If there have been multiple violations, the Status Light will show the two most recent violations in the order in which they occurred.

9) 2 Red Flashes / Pause = System was triggered by open hood or trunk.
10) 3 Red Flashes / Pause = System was triggered by an open door.
11) 4 Red Flashes / Pause = System was triggered by the sensor.

• Turning on the ignition will clear the Zone Violation.

Starting System Status: The Status Light uses the color Green to indicate the status of the remote starting part of the system:

12) Off = The remote starter system is off and in standby mode. The security system is disarmed and not performing automatic functions.
13) Flashing Slow Green = The engine is running via the remote starting system.
14) Flashing Fast Green = A remote start command has been received, and the system is in the process of starting the engine.

Remote Starting Diagnostics: Whenever the system is placed into Alarm Valet Mode, the Status Light illuminates solid Red. However, when this first occurs, the Status Light will flash Red, then 1 to 6 Green flashes before resuming solid Red. This indicates why the engine stopped running from the last previous remote starting.

15) Red / 1 Green Flash / Red = Programmed run time expired.
16) Red / 2 Green Flashes / Red = Brake was pressed or hood opened.
17) Red / 3 Green Flashes / Red = Engine stalled or bad tach signal.
18) Red / 4 Green Flashes / Red = Received transmitter command to stop.
19) Red / 5 Green Flashes / Red = Gear selector removed from "park".
20) Red / 6 Green Flashes / Red = Security system triggered or low voltage.

Combination Indications: These indications occur when security and remote starting operations are, or have been, simultaneous.

21) Slowly Alternates Red & Green = Full Valet Mode (page 20).
22) Solid Green w/ Red Flash = Security Armed with Starting Valet Mode.
23) Solid Red w/ Green Flash = Remote starter system engaged with security system in Valet Mode.
24) Rapidly Alternates Red & Green = Remote starter system engaged with security system armed.
25) Slow Flashing Green w/ 1 to 4 Red Flashes = This indication is during remote start operation after disarming the alarm, and shows that the previously Armed alarm was activated and reset prior to the remote starting. The Red flashes are the Zone Violation (previous page), occurring with the "engine running" indicator.
26) Slowly Flashing Red 3 Times, Green 1 Time = The system is programmed for manual transmission remote starting, and is armed and ready for starting.