

PRO 3500 / 3000 / 5500 / Elite 4500  
5000 / 7000

# **VEHICLE SECURITY SYSTEM**

## **OPERATOR'S INSTRUCTIONS**

INS0706  
Rev. A  
12/95

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## SYSTEM OPERATION

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Refer to the remote control transmitter operating instruction to identify the transmitter buttons called out in the sections below.

### ARMING THE SECURITY SYSTEM

#### Remote Control arming

1. Exit the vehicle and close all entry points.
2. Press the "ARM" button on the remote control transmitter.

*The siren will chirp and the parking lights will flash two (2) times indicating that the system is armed, protecting your vehicle.*

#### Automatic Arming

*Automatic arming may entitle you to receive a discount on your insurance policy, see your agent for details.*

If the system is not armed manually, by the user, the system will arm automatically when:

1. The ignition key is turned off.
2. One minute has elapsed and all doors are closed.

*The siren will chirp and the parking lights will flash two (2) times to indicate that the system is armed, protecting your vehicle.*

The siren only chirps one time when I try to arm the system...

If the siren only chirps one time when arming the system, check the status indicator.

- If the status indicator is off, there is a door, hood, trunk or hatch open. The system will arm after that opening is closed (see "Arming the System When A Protected Entry Point Is Open" page 5).
- If the status indicator is displaying a "double-flash" sequence, the system is in the valet mode. The system will arm after the valet mode is disengaged (see "Valet Switch" page 3).

### DISARMING THE SECURITY SYSTEM

Press the "DISARM" button on the remote control transmitter.

*The siren will emit one long chirp and the parking lights will flash one time to indicate the system is disarmed. If the siren sounds four short chirps, the alarm has sounded while you were away – See "Disarming the System After an Alarm Has Sounded", page 6.*



The system will rearm in one minute unless the ignition is turned on or the system is placed in the valet mode.

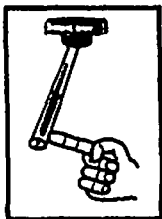
## REMOTE CONTROL PANIC ALARM

When activated the remote control panic alarm will sound the siren continuously and flash the parking lights for 30 seconds.

To activate the panic alarm, press the button(s) indicated on the remote control transmitter operating instruction card. The panic alarm can be shut off by pressing any button on the remote control transmitter. The panic alarm can be activated when the security system is armed or disarmed.

## SYSTEM COMPONENTS

### VALET SWITCH



The valet switch is used for turning the valet mode on and off. Valet mode prevents the security system from arming, yet allows the convenience functions (door lock & unlock, etc.) to operate normally. Valet mode is useful when valet parking, fueling or servicing your vehicle.

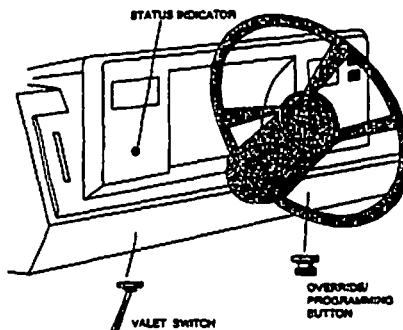
To use the valet mode, disarm the security system and toggle the valet switch to the on position.

*The status indicator will begin blinking in a double flash pattern to confirm security system is in valet mode.*

To re-enter the normal operating mode, toggle the valet switch to the off position.

*The status indicator will turn off, indicating the system is now in the normal operating mode. Turn the ignition ON then OFF to reset the automatic arming timer or arm the system using the remote control transmitter.*

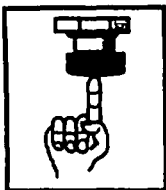
### Components mounted in vehicles interior



#### NOTE:

The locations shown in this drawing may not be the actual location of the components in your vehicle.

### OVERRIDE/PROGRAMMING BUTTON



The Override/Programming button is a hidden push button switch that can be used to disarm the security system if your remote control transmitter is lost or stolen. However, the override/programming button is more commonly used for programming new remote control transmitters to the system (see "Adding and Deleting Remote Control Transmitter Codes" on the remote control transmitter operating instruction card).

To prevent unauthorized use of the override/programming button, the ignition key is also needed to disarm the system or program transmitters.

### Disarming system without the remote control transmitter

To disarm the security system without the remote control transmitter, follow these steps:

1. Enter vehicle (the alarm will begin sounding as soon as the door is opened).
2. Turn the ignition key to the on position.
3. Press the override button.
4. The security system is now disarmed.

## VISUAL ALARM STATUS INDICATOR



The visual alarm status indicator is a high intensity red blinking light. The status indicator, mounted in a location visible from the outside of the vehicle, displays the security system's status while creating a powerful theft deterrent. The chart below shows the different status indications and their meanings.

| STATUS INDICATOR                     | SYSTEM STATUS | STATUS INDICATOR                           | SYSTEM STATUS  |
|--------------------------------------|---------------|--|----------------|
| Off                                  | Disarmed      | Double flash<br>(flash, flash, pause...)   | Valet mode     |
| Slow flash<br>(one flash per second) | Armed         | Fast flash<br>(Several flashes per second) | System tripped |

## SECURITY FEATURES

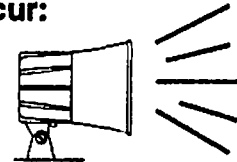
### HOW THE SECURITY SYSTEM PROTECTS YOUR VEHICLE:

#### When the security system is armed:

1. The visual status indicator flashes once per second to creating a powerful theft deterrent.
2. The engine will not start. The security system's "starter interrupt" electronically disables the starter motor.
3. All protected entry points and sensor inputs are continually monitored.

#### When the alarm is sounding the following events occur:

- Visual status indicator begins flashing rapidly
- Siren sounds continuously
- Vehicle's parking lights flash once per second



The alarm will sound for 30 seconds and then shut down returning the security system to a fully armed state, except when the violated entry point is left open. In this case, the alarm will shut down for 10 seconds and then resume sounding to attract more attention to the vehicle. This cycle repeats until the violated entry point is closed.

## SHOCK SENSOR

The shock sensor is designed to detect impacts to the body of the vehicle. The force of impact required to "trip" the shock sensor is adjustable by your installer. At the time of installation, your installer will set the shock sensor threshold to a medium level. Should you want to change the shock sensors threshold level, contact your dealer – they can adjust the shock sensor to your desired setting.

When the system is armed, the shock sensor continually monitors for impact to the body of the vehicle. An impact of greater magnitude than the threshold setting will trigger a full alarm cycle.

- If the shock sensor is triggered more than five times while the system is armed, the system will bypass the sensor inputs until the system is disarmed and then rearmed. All other protected entry points are still armed and alert.

## **LITE-TOUCH™**

When the shock sensor senses a nonthreatening impact to the body of vehicle the siren will sound a short "lite-touch" chirp to warn away a potential intruder.

- If the "lite-touch" is tripped more than 10 times within a ten (10) minute period, the lite-touch stage is disabled until the system is disarmed and then rearmed.

## **ARMED OUTPUT (OPTIONAL)**

The armed output can be used to activate other accessories or to control a second interrupt circuit to enhance the security system's effectiveness.

## **ARMING DELAY**

You may notice that for a short period of time after you arm your security system, it doesn't seem to respond to any trip inputs, such as opening a door or slapping a side window. This is because the system ignores all sensors and inputs for 5 seconds after the second "arm" chirp. The system does this to prevent any false alarms that could occur from a sensor being tripped at the same time that the system is armed.

## **ARMING THE SYSTEM WHEN A PROTECTED ENTRY POINT IS OPEN**

When there is a protected entry point open at the time that the system attempts to arm, the siren will chirp and the parking lights will flash one time. The system will then wait, in a pre-armed state, until the protected entry point is closed. After the entry point has been closed, the siren will chirp and the parking lights will flash again, this time indicating that the system is armed. If 4-1/2 minutes passes and the entry point is still opened, the system will arm bypassing the open entry point. The entry point will then be bypassed until the system is disarmed and rearmed.

## **DISARMING THE SECURITY SYSTEM AFTER THE ALARM HAS BEEN TRIPPED**

If an alarm has been tripped while you were away, the siren will emit four short chirps when the system is disarmed instead of the one normal disarm chirp. In addition to the siren chirps the status indicator will be flashing rapidly to indicate that the alarm has been tripped (also see "Visual alarm status indicator", page 4), the status indicator will continue flashing rapidly until the system is rearmed or the ignition key is turned on. The Trip ID feature below can be used to determine how the alarm cycle was triggered.

### **TRIP ID**

When the status indicator is flashing rapidly, the Trip ID feature will indicate how the previous alarm cycle was triggered.

1. Disarm the security system and enter vehicle.  
*Do not rearm the security system or turn ignition key on, this resets the Trip ID.*
2. Press and hold the manual override/programming button.
3. The siren will emit a series of chirps.  
*Use the chart to identify show the alarm was triggered.*

| Chirps | Trigger                |
|--------|------------------------|
| 1      | Shock sensor           |
| 2      | Ignition key turned on |
| 3      | Positive door trigger  |
| 4      | Negative door trigger  |

## **REMOTE CONTROLLED CONVENIENCE FUNCTIONS**

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*The remote controlled convenience functions described in this section and the personal safety features described below, may require additional parts and labor to be hooked up. Because additional parts and labor may be required, these features are referred to as optional features. Some features listed below are only available on certain systems, see your dealer for details.*

### **Remote Controlled Door Lock and Unlock**

When the system is armed by remote control the system will lock the doors when the siren chirps the first time. The doors will be unlocked when the system is disarmed.

**Note:** Vehicle must be equipped with power door locking system.

### **Trunk Release**

Press the button for trunk release on the remote control transmitter. If the security system is armed when the trunk release output is activated, the security system will be disarmed and the doors unlocked. If you are going to leave the vehicle unattended, remember to rearm the security system with the remote control transmitter. When the ignition key is on, the trunk release output is disabled to prevent the trunk or hatch from being opened while driving.

**Note:** The vehicle must be equipped with a electrically activated trunk release.

### **Car start output (Systems with two button remote controls)**

The car start output is activated by pressing the "START" button on the remote control for two (2) seconds. When activated the system will lock the doors and trigger the CSM-2 remote controlled car starter (not included).

### **Auxiliary outputs (Systems with four button remote controls)**

Auxiliary outputs are activated by pressing the appropriate button on the remote control transmitter. Auxiliary outputs will remain active as long as the button on the remote control transmitter is pressed, up to 10 seconds. Auxiliary outputs can be activated when the security system is armed or disarmed. When an auxiliary output is activated while the security system is armed, the sensor inputs are bypassed, during the auxiliary output operation, to prevent security system from being triggered.

## **PERSONAL SAFETY FEATURES**

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### **Illuminated Entry/Exit**

When disarmed, the security system will turn on the interior dome light to illuminate your entry into the vehicle. The dome light will stay on for one minute, until the vehicle is started or the security system is rearmed. Additionally, when the ignition key is turned to off the system will turn the interior dome light on, providing an illuminated exit from the vehicle. The dome light will turn off after one minute or when the system is armed.

### **Automatic Door Lock and Unlock**

If all protected openings are closed when the ignition key is turned to the on position, the security system will lock the doors. When the key is turned back off, the system will unlock the doors to allow an easy exit from the vehicle.

## **OTHER USEFUL INFORMATION**

### **Low Vehicle Battery?**

Should you ever experience a situation where:

- The starter will not engage after the alarm has been disarmed.
- The starter engages and then almost immediately disengages.

These conditions are almost always caused by an weak or defective vehicle battery.

If this happens, press in and hold the override/disarm button while turning the ignition key to the start position. This will bypass the starter interrupt in the system control module. In most cases this will allow the car to start. Should this situation continue to occur, have your vehicle battery and starting system checked out by your mechanic.

### **System Maintenance**

Your security system does not require any specific maintenance except for occasionally changing transmitter batteries. However, it is suggested that the system be armed and all protected zones should be checked on regular basis to make sure that they trigger an alarm cycle. Should the system malfunction in any way, contact your dealer as soon as possible for service.

### **Programmable operating characteristics**

Many of the security system's operating characteristics can be programmed by your installer to operate differently, see your security dealer for additional details.

### **About transmitter range...**

The receiver inside your vehicle security system and the remote control transmitter are designed together to have an effective operating range of up to 100 feet during normal conditions. Although at times you will experience range greater than that, there are certain conditions that will cause the effective transmitter range to be less than you would normally experience. Atmospheric conditions and radio interference are just a few examples of the types of interference that can reduce transmitter range.

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 cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.