CRIME PAGE™ 4900
VEHICLE SECURITY SYSTEM

CRIMESTOPPER
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A THEFT WARNING SYSTEM FOR VEHICLES BY CODED RADIO SIGNAL

Your CRIME PAGE™ theft warning system is a combination of sophisticated vehicle alarm system and paging system. It consists of two parts: a control module which houses the alarm control circuitry and the radio transmitter, and a matching receiver. It may be used as an alarm system, paging system, or both functions at the same time. The paging function is designed to personally alert you when your vehicle is being vandalized or during a theft attempt. The Transmitter has a maximum output power of 4 watts as allowed by the FCC. The efficient low-loss circuit design permits higher signal transmission power, and the compact ultra-sensitive pager receiver can sense the transmitted signals up to 2 miles away.

Your CRIME PAGE™ system Transmitter is mounted inside the vehicle. A security signal is sent out by the transmitter when sensors detect an unauthorized entry attempt. The security signal is received by the small, highly sensitive light weight personal pager receiver. The receiver warns you with a continuous beeping tone and flashing LED light only when it receives its own specially coded security signal *(you select and set your own secret code).*

The system is easy to install in your car, truck, delivery van, camper or motor home. The Transmitter operates from a 12 volt DC negative ground system, and the battery in the personal pocket Receiver will operate for up to one month with normal use.

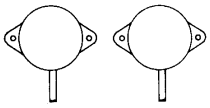
INSTALLATION

Following are the components and parts which come with your CRIME PAGE™ system.

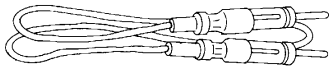
1) The Transmitter

2) The Receiver

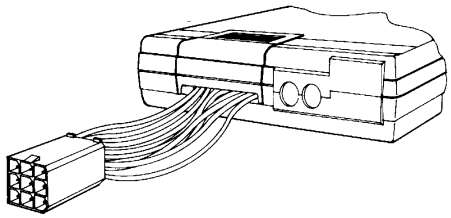
3) Two door type micro transducers

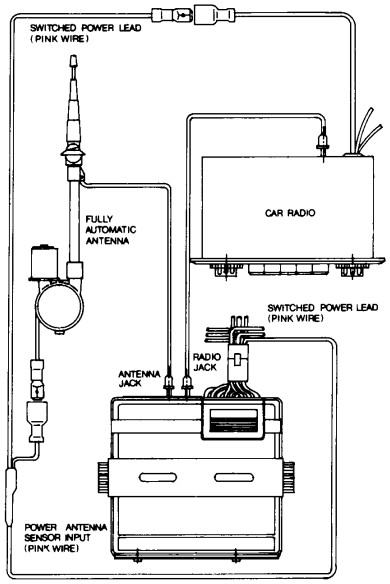


4) Coaxial cable for car radio antenna



5) Two self-tapping screws





AUTOMATIC ANTENNAS

An automatic antenna has a Power Antenna Sensor Input wire. This wire normally connects to the radio's Switched Power Lead, so that when the radio is turned on, the antenna will automatically raise up. The antenna cable connection is identical to that for Standard Radio Antenna.

The system also provides the Switched Power Lead feature. Connect the pink wire to the automatic antenna's Power Antenna Sensor Input wire. If this wire already connects to a car radio's Switched Power Lead, disconnect it. Normally the automatic antenna's Power Antenna Sensor Input wire has a Male Quick-Disconnect, plug it into the pink wire's Female Quick-Disconnect. Then plug the pink wire's Male Quick-Disconnect into the Female Quick-Disconnect of the Radio's Switched Power Lead.

The pink wire has a built-in rectifier diode and will avoid power flowing from the Transmitter into the radio. Connect exactly as described.

NOTE: After connecting the Transmitter to the radio antenna, it may be necessary to re-peak the AM Radio's Antenna trimmer for best AM reception (see instruction manual provided with the Radio).

VEHICLE WITHOUT RADIO ANTENNAS

If your vehicle does not have a radio or an antenna, you can use a CB antenna with an adapter to connect it to the Transmitter's Antenna jack. The Radio jack can be left unused. Depending on the type of CB antenna used, you may find it necessary to have the antenna trimmed for the lowest standing-wave ratio to get the most output signal.

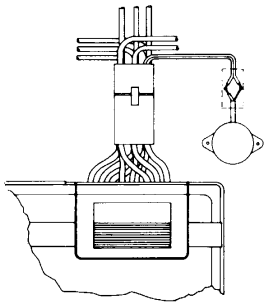
DOOR-TYPE MICRO TRANSDUCER

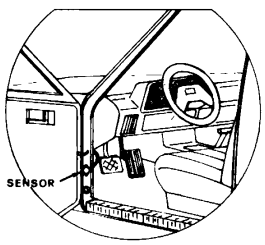
A pair of twin wires for connection of Micro Transducers. Connect the hot wire from the transducer to the black wire with white strip and the shield wire from the transducer to the black wire. Up to four Micro transducers can be used in parallel without affecting the operation of the system.

The Micro Transducers must be securely glued to the car door frame, or other location. We recommend that you use epoxy type glue. Before gluing, be sure to thoroughly clean the mounting surface and then attach the transducers securely.

When the door is opened, the transducer detects the vibration and activates the transmitter instantly and/or the siren control after an Entry Delay. The sensitivity of the transducers can be adjusted on the front panel. Turning the control clockwise will increase the sensitivity. When the transducer detects the opening of the door, the LED will blink.
If you need to extend the wires on the transducer, you should use shielded wire. Be sure to connect the shield wire from the transducer to the shield wire on the extension, and the hot lead to the hot lead on the extension.

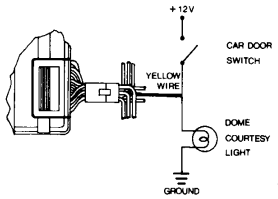
Note: Excessive sensitivity may cause false triggering





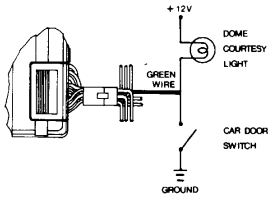
DOOR SWITCH CONNECTION

(Ford-type Door Switch) — Yellow wire
This wire is used with door switches that connect to + 12 volts when the door is opened (Ford Motor Co. products. for example). Connect this terminal to the door switch wires leading to the courtesy or dome lights. Some cars have an under-dash courtesy light, which might be the most convenient place to make this connection.



Ford Type + 12V when door opens

(General Motors-type Door Switch) — Green wire
This wire is triggered by a grounding switch (commonly used on General Motors and most other cars). Connect the terminal to the wire at the door switch. Also, connect this terminal to any extra pin switches you have added to doors.



G.M. Type Grounded when door opens

You will not use both wires in the same system.

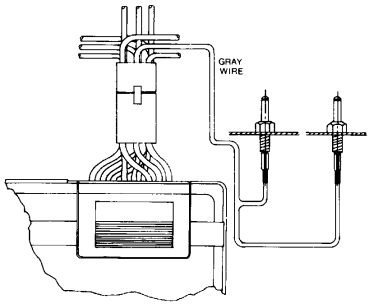
OPTIONAL PIN SWITCHES

The gray wire can be used for connecting hood and trunk switches. This wire is normally open and when it is connected to ground through the switches, it will activate the transmitter and siren control instantly. The most common type of switch is the plunger-type.

The hood and trunk can be protected by installing the switches, which must be positioned so that they will be depressed at least 1/4" *(6.35 mm)* when the hood or trunk is closed. Many cars will have a suitable location on the framing around the trunk or engine compartment. If so, simply drill a 9/32" hole in the chosen location, then use a wrench to install the self-tapping switches.

Note: a) Coat the hole with anti-corrosion compound or heavy grease.
b) A 1/4" depression of the Pin Switch is necessary. Improper adjustment will result in a false alarm.

Connect a length of 16 to 22 gauge wire to a connector which will fit over the end of the pin switch and crimp the connector with pliers. The wire should be long enough to connect to the Transmitter's gray wire. Attach the connector with wire to the end of the installed pin switch.

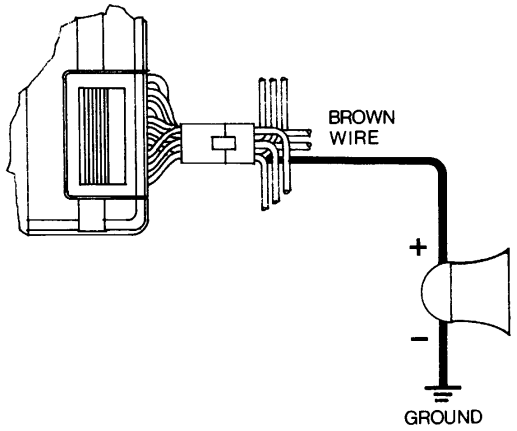


OPTIONAL SIREN

The brown wire can be used to drive an external/additional siren. The terminal output goes to + 12V and can deliver up to 5A when the CRIME PAGE™ system is activated. This output will maintain at + 12V for about 3 minutes and then will reset.

Check the rating of the Siren being used.

NOTE:Some localities have ordinances covering the use of sirens in a car: check your local ordinances before connecting a siren.



THE GROUND AND POWER CONNECTION

A good ground connection is important. Connect the black ground wire *(BATT)* to a point on the frame or firewall of the vehicle. This must be a metal contact point.

12 VOLT DC POWER. Connect the red power wire *(BATT)* from the Transmitter to a point on the vehicle's fuseblock that is always "hot" *(i.e. not switched off when ignition/accessories is off).*

When the CRIME PAGE™ transmitter is connected to + 12 Volt DC power, it will automatically transmit the RF signal for 12 seconds and then reset.

THE CRIME PAGE™ transmitter can also be connected directly to the POSITIVE (+) and NEGATIVE (—) terminals of the car battery.

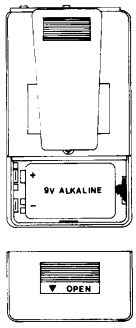
SPECIAL NOTE: Your CRIME PAGE™ SYSTEM is designed for a 12V DC negative ground system. You can determine whether your vehicle has a negative or positive ground *(most U.S. cars are negative ground)* by examining the battery. If the terminal marked with a minus (—) sign has a heavy piece of metal braid or ground cable connecting it to the metal frame or chassis, the electric system has a negative ground. If the positive (+) terminal is connected to the frame, the electric system has a positive ground. Do not Attempt To Use This System On A Positive Ground Vehicle.

IGNITION LEAD

Connect the orange wire to a fuse which obtains power only when the ignition switch is on or in accessory position. This connection disarms the alarm system when the ignition switch is on or in the accessory position.

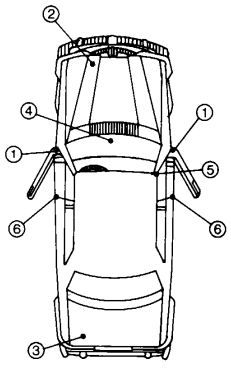
THE RECEIVER

Slide the battery cover off and insert the 9 volt Alkaline battery. Be sure to install properly.



SYSTEM AND CONNECTION LOCATIONS

1. Door switch connections
2. Hood connection
3. Trunk lid connection
4. Transmitter
5. Antenna
6. Door micro transducer connections

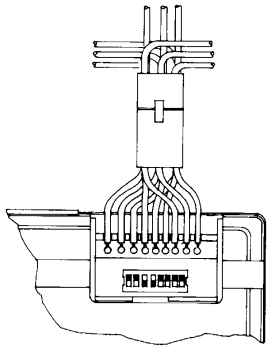


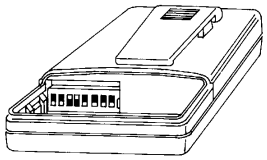
OPERATING THE CRIME PAGE™ SYSTEM

SETTING THE PERSONAL CODE OF THE SYSTEM

The CRIME PAGE™ system allows you to code in your own security signal. With this programmable-coding feature, chances of false triggering due to another system with an identical code can be eliminated. Also, you can alter the code to page different receivers with only one transmitter. It is very easy and convenient to program the code. In the Transmitter, there is a Dip Switch behind the wiring terminals. By turning the switches ON or OFF, you can change the code. Similarly, there is a Dip Switch in the battery compartment of the Receiver. The Receiver can only be triggered by a Transmitter with the same coding. It is important to ensure that the Transmitter and Receiver are coded the same before testing and operation.

NOTE: Handle the Dip Switch with care. It may be necessary to set the switch with the help of a ball-point pen.





RECEIVER

Set the "ON-OFF" switch to "ON". You should hear a beeping sound and the LED light should be flashing. If there is no beeping or flashing LED light then check if the battery is installed property.

While the Receiver is beeping, press the RESET button once. The Receiver will now be silent and the LED light is off. The Receiver is in the standby mode, ready to receive the signal from the Transmitter after 3-4 seconds.

The receiver also has a feature to test the battery level. Press the RESET button for more than 2 seconds. If the battery is good, the receiver will give out a continuous sound.

The receiver also has a DC adapter jack. If you wish to use the receiver at home or in the office, you can use a 9V DC adapter with positive tip to supply the power, this will reduce battery consumption. When you use an adapter, it will automatically stop battery consumption.

TRANSMITTER

After all of the installation wiring has been properly done and checked, the Transmitter can be operated as following:—

1. Place the Selector switch on the front panel of the Transmitter in "BOTH" position and have the Receiver in standby state.
2. Arming the system: Turn the ignition key from ON or ACC to OFF, *(if the engine was not running before this step, turn the key to ON or ACC for at least 6 seconds and then to OFF)* the alarm will beep indicating the system will be armed after 60 seconds. *(Note: If there is no siren connected, there will be no beep but the system still will be armed after 60 seconds).*
3. To test: Opening of doors
   a) Perform step 2, the system is armed.
   b) Open the door with Micro Sensor installed, the GREEN LED on the front panel will come on indicating the Transmitter is sending out the RF signal. *(If an automatic antenna is being used, it will automatically raise up.)* The transmission will

maintain for 12 seconds. The Receiver will continue to beep after it receives the signal until you press the RESET button. Once activated, the beep tone is "Latched" on until turned off or reset by pressing the button. Also, the siren will sound after a 12-second entry delay. Close the door, the siren will sound for approximately 3 minutes and then reset unless you disarm the SYSTEM by turning the ignition key to Accessory or to ON.

4. To test: Opening of hood and trunk
   a) Perform step 2, the system is armed.
   b) Open the hood or trunk; the result will be identical to that described in 3b except that the Siren will be set off instantly.
5. Disarming the System
   Turn the ignition key to ACCessory or to ON, the system is disarmed. If the Siren is sounding or the Transmitter is sending out the RF signal, they will stop immediately. This will not stop the RF transmission activated by the Home Page button.
6. Temporarily Disabling the System
   a) Turn the ignition key to OFF for at least 6 seconds.
   b) Turn the ignition key momentarily to ACC and then back to OFF. The system is now disabled and will not respond to the door Micro Sensors and the hood/trunk pin switches. Use this feature to prevent false alarm when at a car wash or a picnic.
7. To test the Selector switch — Siren position
   a) Place the Selector switch in Siren position.
   b) Perform step 2 to arm the system.
   c) Open the door with Micro Sensor installed, the Siren will be set off after 12 second entry delay.
   d) Close the door, the Siren will sound for approximately 3 minutes and then reset unless you disarm the system by turning the ignition to ACC or to ON. The paging function of the Transmitter will remain un-activated.
   e) Open the hood or trunk, the Siren will be set off instantly.
   f) Close the hood or trunk, result is identifical to 7 d.

NOTE: i. If there is no siren connected, there will be no beep but the system still will be armed after 60 seconds.
ii. If the hood or trunk with pin switch installed is kept opened while the ignition key is turned from ON or ACC to OFF, the siren will not beep indicating something is wrong. But the system still will change state after 60 seconds. For the hood and trunk, the system is in a "HOLDING" state, that is, there is no alarm unless and until the violation is removed and re-violation occurs. But for the doors protected by micro transducers, the system is immediately armed after the 60 seconds", the system is triggered if a door is opened.
iii. In the "HOLDING" state, when the hood or trunk is re-closed, it needs 10 seconds to restore for another violation. That is, within about 10 seconds after the opened hood or trunk is re-closed, open it again will not trigger the alarm.

8. To test the Selector switch — Alert position.
   a) Place the Selector switch in Alert position.
   b) Perform step 2 to arm the System.
   c) Open the door, hood or trunk, the result is similar to 3b except the Siren will remain quiet.
9. To test the Home Page button
   Press the Home Page button once, the GREEN LED on the front panel will come on and the Transmitter will send out signals instantly, also the automatic antenna will be activated if it is wired. The Transmission will maintain for 12 seconds. This function can be performed repeatedly.
   The Home Page function overrides the Arm/Disarm. You can perform it even when the ignition switch is in ON or ACCessory position, or when the system is disabled.

TRANSMISSION RANGE TEST

Have someone press the Home Page button for you while you are in your house, office or wherever you want coverage, to assure that you are receiving a signal for your particular application.

Press the RESET button each time your Receiver beeps; this returns the Receiver to the standby state, ready to receive the next coded signal.

Normal transmission range is up to 2 miles, however it can vary depending upon terrain, conditions, etc.

If you are using the Receiver inside a building *(especially a high-rise)* keep the Receiver near a window or a telephone, this will increase the effective range.

NOTE: When you perform the transmission range test, be sure to maintain a range of over 3 feet (1 meter). If the Transmitter is placed too close to the Receiver, the radio signal may be distorted — resulting in erratic operation.

WARNING

Do not open the Transmitter to make any internal adjustments. Any internal adjustments can be made only by *(or under the direct supervision of)* a person holding an FCC 1st or 2nd Class Radio Operator's license.

Internal adjustments and/or modifications can lead to illegal operation as defined by FCC Rules & Regulations. Such illegal operation can lead to serious consequences.

To Be Safe and Sure:

1) You should never open up the Case of the Transmitter.
2) Never change or replace anything in your Transmitter.

SPECIFICATIONS

TRANSMITTER

Frequency	27.145 MHZ
RF Output Power	4W Max.
Antenna Impedance	50 Ohms
Current Drain	30 mA *(Standby)* 800 mA *(Paging)* 200 mA *(Siren control only)*
Siren Control Capacity	5A/12V
Power Requirement	12VDC negative ground only
Dimensions	4¾ × 5-3/16 × 1-5/16 in. (120 × 130 × 30 mm)
Weight	9.7 oz. (275 gms)
Range	2 miles nominal

RECEIVER

Number of Codes Programmable	256 combinations
Power Requirement	9VDC *(One 9V Rect. type Alkaline battery)*
Battery Life	One month based on 20 hours use per day
Dimensions	3¾ × 2-1/8 × 7/8 in. (95 × 55 × 22mm)
Weight	2.6 oz. (75 gms) without battery.