Premier Canine System™

Remote Door Opening and Temperature Monitoring/Alerting System for Canine Vehicles

Installation & Operation Manual

Congratulations! You have purchased the most advanced door opening, temperature monitoring system available today. Your **Premier Canine System™** incorporates the acclaimed one-button door release features of the distinguished Bail Out™ system and the proven reliability of the Hotdog™ temperature monitoring system. ***Criminalistics, Inc.*** is committed to providing the best in reliability, quality and support at an affordable value.

K-9 Officers & Installers PLEASE take time and read the instructions carefully. This is a life saving system and proper installation & operation must be taken seriously.

Know your system and what it is capable of doing! TEST YOUR SYSTEM DAILY!

I. Overview/Operational Summary

Your **Premier Canine System™** door opening system is supplied with 40-pounds of pneumatic pushing power (gas spring). Your **Premier Canine System™** will unlock, unlatch and push open your vehicle door with the press of a single button from up to 1,000 feet away. The reliable door unlatch solenoid is rated for 15 pounds. Most door latches require a 5-pound pull. This unit has the strength to operate the door of most standard patrol vehicles. Your **Premier Canine System™** is individually coded for a specific vehicle to ensure that only the door with the matching code will open. A necessary advantage when multiple systems are used within an agency. As an added safety feature, the VSS (Vehicle Speed Sensor) sensor connection disables the door opening function when the vehicle is moving.

When your programmed maximum temperature is exceeded and/or the back up sensor maximum temperature is exceeded (94° F - 99° F) your **Premier Canine System™** will lower **two** electric windows, activate the horn or lights, summon you by *optional* pager up to 1 mile away, and operate an *optional* high volume fan (MAXI or Savvyfan fan). Your **Premier Canine System™** will cycle/alert continuously until the interior temperature decreases below the programmed maximum temperature or below the back up sensor reset temperature of (92°-89.9 F, plus or minus 2 percent) or until the unit is turned off by the user or the vehicle battery dies. The optional pager can also function as a vehicle burglar alarm with the addition of *options* that include glass breakage detectors, motion sensors, key lock alarms and starter kill. Please call for further information regarding these products.

II. List of Contents

Each **Premier Canine System™** includes the following hardware: (Pager with Antenna is an option)

- Control Unit	- 2 Window wires Clear & Blue zip wire 16 ga.	- Gas Spring
- Hand-held Remote	- Unlatch Solenoid Red 12 ga.	(**DO NOT** expand now)
- Power Wire Red 12 Ga. w/in-line fuse link & 40 AMP FUSE	w/wire, clip, barrel nut, pull cable	- Antenna Kit
- Ground Wire Black 14 ga.	- Mounting Screws for Control Unit	- **Extra 40 Amp Fuse**
- Probe Cable with Plug	- Accessory Wire Red 16 ga.	- Optional Pager w/Antenna
- VSS wire Green 16 ga.	- Door Unlock Wire (Red/Black zip wire 16 ga.)	(ZIP wire is 2 joined wires)

III. Installation

Please follow all instructions carefully. Your **Premier Canine System™** is warranted against defective components and faulty workmanship for 1 year. Do not hesitate to call if you have any questions. We have engineers and installers on staff to assist you. **PROPER INSTALLATION BY QUALIFIED ELECTRONIC TECHNICIAN IS ADVISED. You will need to use a voltmeter during installation (not a test light).**

40 amp fuse is required, no less!

Premier Canine System™ Control Unit

Your **Premier Canine System™** control unit is housed in a black and silver case with 2 switches and a digital display on the front panel. Find a functional place to mount your **Premier Canine System™** control unit. Most control units are mounted on top of the K-9 cage, center or over on passengers side top of cage angled toward driver. When determining the mounting position of the control unit consider the following:

- Accessibility of your **Premier Canine System™** On/off switch to the driver.
- An area of the vehicle that is dry at all times.
- Keep your **Premier Canine SystemTM** unit away from any heat source, i.e. heater vents, transmission, floor, sunlight!

The **Back Up Heat Sensor** must be **handled with care**, do not crush or short the transistor style legs together, do not remove.

- Do not install your **Premier Canine System™** control unit under vehicle hood or in direct sunlight.
- Do not install your **Premier Canine System™** control unit near any **radio equipment**.
- Choose placement of your **Premier Canine System™** control unit near the selected door for ease of installation.
- Place Temperature Probe wire near canine compartment but out of canine's reach.

1) Door Unlatch Solenoid

Select the door to open, **"traffic"** drivers side rear door or passenger side rear door. Remove door panel and any other obstacles that block your access to the door's internal unlatch mechanism.

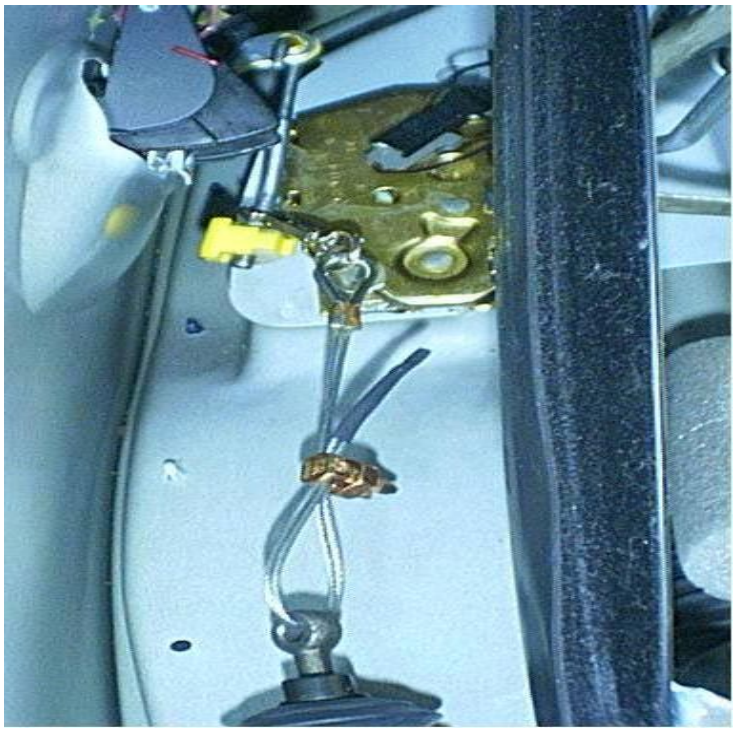
Familiarize, with the door open, operate the outside door handle as if you were opening it, reach inside the door cavity, up to the 3/16" rod that is being push down by the outside door handle operation. Observe/feel the downward action of the rod that is connected to the outside door handle. Now working from the inside of the door, use your fingers and pull down on this rod to manually unlatch the door several times. (Engage the latch using a screw driver to simulate the door being closed and latched around the post. Remove the screw driver before trying to unlatch)

Near the end of this rod is a factory connector, place the supplied clip lock hook, located at the end of the solenoid pull cable, over the end of the 3/16" rod directly at the connection point at the latch mechanism, (piggy back solenoid cable clip lock hook on existing rod). **DO NOT** mistakenly attach this solenoid to the inner door handle rod for it will not operate properly.

Some doors may require you to use an inspection mirror to see this rod and a pair of long needle nose pliers to apply the clip. **Use plenty of spray type lubricant (WD-40 etc.) to insure trouble free operation.**

NOTE: A door latch lever typically travels a total of 5/8" beginning with 1/4" free movement and then as it moves to 3/8" it unlatches completely. The lever requires a minimum of 4 pounds pull and a travel of 3/8" to unlatch, which fits well within the solenoid travel of 1" and its pulling power of 15 pounds.

NOTE: The solenoid power is supplied by the vehicle battery and must be maintained by leaving the vehicle engine running during testing of door opening operations to prevent excess battery drain.



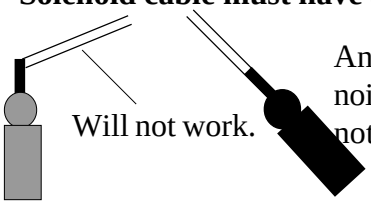
2) Mounting Solenoid

Let the solenoid hang free from the door latch rod and use it as a positioning guide for mounting. In the standard Ford Crown Victoria the solenoid mounts below the latch. With the door open looking at the end, under the latch measure from the base of the latch opening down approximately 12" and move as far out to the outside door skin as possible, not too far out because you will not be able to get the nut on the outer bolt of the solenoid mount. One bolt of the solenoid will be under the rubber weather strip. The actual mounting takes place inside the door cavity, only the bolt heads will show on the outer portion of the door end. Lay solenoid in this position and ***slowly*** lower the window to check for clearance. Also, some door curvatures will not permit mounting the solenoid directly under the latch. However, it will work positioned off to one side as long as the "pulling end" points directly towards the door latch, angle the solenoid mount!

The solenoid cable may be manually pulled while hanging. This will easily release the door latch, which may be manually reset to study the release action caused by pulling the solenoid cable. Keep in mind that a binding solenoid plunger from a sideways pull will not perform properly.

CAUTION: IF YOU HAVE A CHEVROLET CAPRICE CLASSIC OR OTHER GM VEHICLE: DO NOT make the solenoid cable tight. If too much tension is in the line ***the lock will jam and not release even after removing the solenoid cable***. You must test the latch setup several times by locking and unlocking the door. Then pull the outer door handle to check for proper exterior opening of the door.

Solenoid cable must have a straight pull.



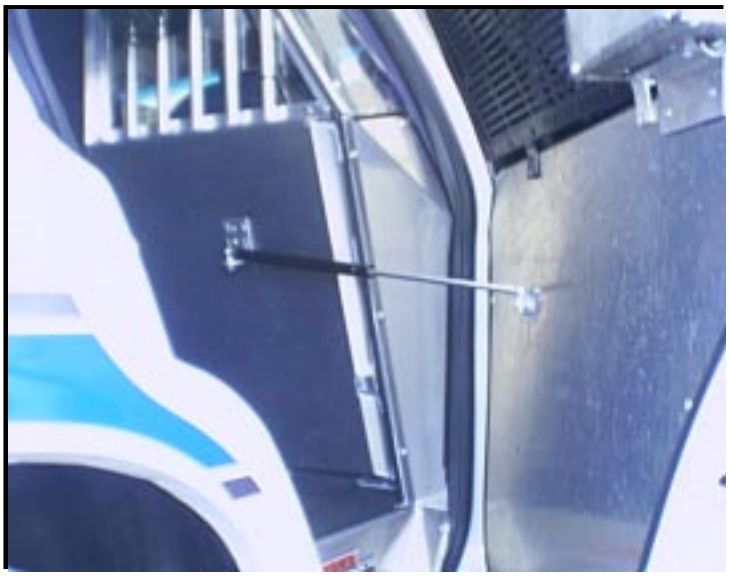
DO NOT put excessive tension on the solenoid cable. Just make sure it is not too slack. The cable length may be adjusted by releasing the brass cable lock device. The final pull adjustment should be made with the brass cable lock nut. **Before drilling raise and lower the window to check for clearance**. Mount the solenoid beneath the latch using the two holes in the bracket.

NOTE: Final adjustment should only be made after several test openings, then be sure to tighten the brass cable lock nut.

Caution Caution Caution

All doors should be thoroughly tested before putting the interior cover panel back on. **Do Not** put excessive tension on the solenoid cable when installing as it **will jam the unlock function which in turn will jam the door**. Some doors that are jammed may be released by removing the 4 door hinge bolts if the interior cover panel was prematurely re-installed.

WARNING: The solenoid is designed for momentary use. Do not hold power to the solenoid for extended periods of time, or use in rapid succession. Use the solenoid one or two times allowing for cooling then reuse or test. Do not use more than three times without allowing for cooling. The solenoid becomes weaker as it heats up and will eventually burn up. Solenoids damaged in this manner are not covered under the waranty.



3) Pneumatic Spring

NOTE: **DO NOT** open the spring before planning your installation position.

Your **Premier Canine System™** is supplied with a 40-pound push pneumatic spring, two (2) mounting brackets and bolts. The positioning of the spring is important and warrants good planning and workmanship for the door to open correctly. The black cylinder attaches to the door frame at a position slightly higher than the silver colored piston to accommodate the internal oil flow of the gas spring. This position can be reversed if need be. The bracket may be fastened about 6" to 8" out from the front, hinged edge of the door with a bottom measuring 18" across.

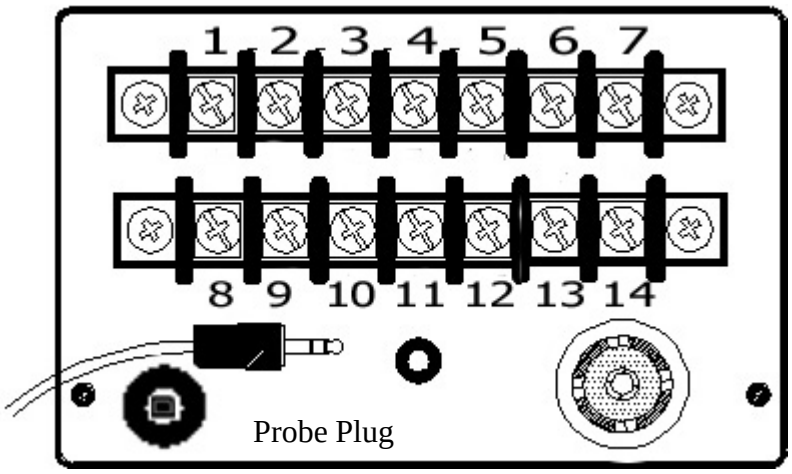
With the door skin removed, get in and close the door that you plan on opening. Position the closed spring on the floor of your cage and study where to attach to door.

If mounting on floor of cage, put as close to vertical wall behind front panel as possible. This will provide a wider opening and keep the spring out of the K-9's way while exiting.

With the door still closed, look on the **DOOR FRAME** for an attachment point, usually mid way on the door FRAME. You may attach to the door frame with one mounting bolt for testing Do not drill the door's interior cover panel prematurely. The ball on the bracket is removable. Allow for a small cut in the door panel. Only put two holes in the door frame to temporarily hold the spring while the inside back position is being determined. Bolt the spring bracket to the door frame, never to the aluminum cover.

Once you are satisfied with the spring position and installation, remove ball, mark your position on the cover, and cut aluminum/plastic/carpeted door panel. Mount the spring, remount the door panel, and reinstall the ball. Silicone the cut opening in the door panel. **SEE PHOTOS ON PAGES 7 & 8 FOR ASSISTANCE IN POSITIONING GAS SPRING.**

Rear View of Premier Canine System™



Backup Sensor

Antenna Connector

Temperature Probe Wire is detachable and must be properly plugged into the unit for correct operation. Placement of antenna connector and back up sensor may vary dependant on what year model system you have .

The following is a description of terminals on rear of unit:

Terminal #1 - **Optional Pager** use only. (Enable Wire of Pager)
(Model EX: White Wire) Note: Not used on Model 795T or Enforcer Pager.

Terminal #2 - **Optional Pager** use only. (Negative trigger)
(Model DX: Grey Wire) (Model EX: Pink Wire) (Model 795T: Violet Wire)
(Model Enforcer: Blue Wire)

Terminal #3 - Accessory, positive 12 Volt output (one second on, one second off)
Connects to your selected alerting device: Lights, Siren or Horn

Terminal #4 - Solenoid output. (To unlatch door)

Terminal #5 - 12 Volts, powers your **Premier Canine System™**. Direct connection to vehicle battery via the supplied 12 gauge red wire with in-line fuse link required! (2-40 Amp fuses supplied)

Terminal #6 - Ground for **Premier Canine System™**. Direct connection to vehicle battery ground recommended!

Terminal #7 - From window switch (A)

Terminal #8 - To window motor (A)

Terminal #9 - To door lock solenoid

Terminal #10 - From door lock switch

Terminal #11 - From window switch (B)

Terminal #12 - To window motor (B)

Terminal #13 - VSS to **Premier Canine System™**

Terminal #14 - **Optional En'Garde™ System** to **Premier Canine System™**

IV. Wiring

DO NOT MAKE CONNECTION TO THE VEHICLE BATTERY UNTIL INSTALLATION IS COMPLETE.

Before completing the connection to the battery and inserting the fuse make sure the unit is **OFF** by moving both the Left- hand and Right-hand toggle switches to the "**down**" position. Failure to do so may jolt the control unit and cause the system to lock up.

1) Unlatch Solenoid

Attach the positive wire from the unlatch solenoid to **Premier Canine System™** Terminal #4. This will supply a positive 12 Volts DC output to activate the solenoid that will unlatch the door. Connect the negative lead of the unlatch solenoid to a true metal source in the door and to chassis ground inside the vehicle. Remove paint from the surface around these connections.

NOTE: The vehicle engine must be running during repetitive testing of door opening operations or your **Premier Canine System™** system will not function correctly due to low battery voltage.

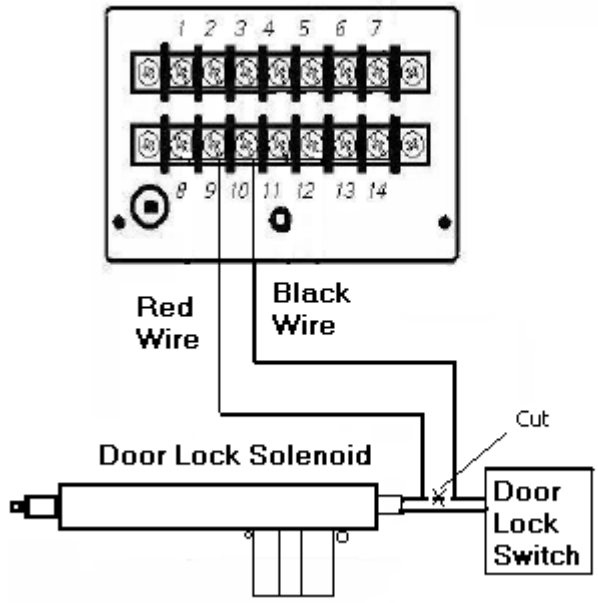
2) Electric Door Locks

Use a voltmeter at the electric door lock actuator inside the door to locate the wire that has a positive 12 volts when unlocking the door. The wire on the electric lock actuator reverses polarity depending on the lock/unlock function. Check carefully that you select the wire that has positive voltage during the unlock function. Cut this wire between the unlock switch and the electric door lock actuator.

Using the Red/Black two-conductor wire provided, connect the Red wire to the wire that is attached to the door unlock actuator. Route the opposite end towards **Premier Canine System™** Terminal #9. Connect the Black wire to the switch side of the wire. This Black wire is the flow through, allowing the existing door lock system in the vehicle to continue operating normally. Route the opposite end towards **Premier Canine System™** Terminal #10. Refer to diagram for placement.

TIP: Do not split the Red/Black two-conductor wire but rather route them together.

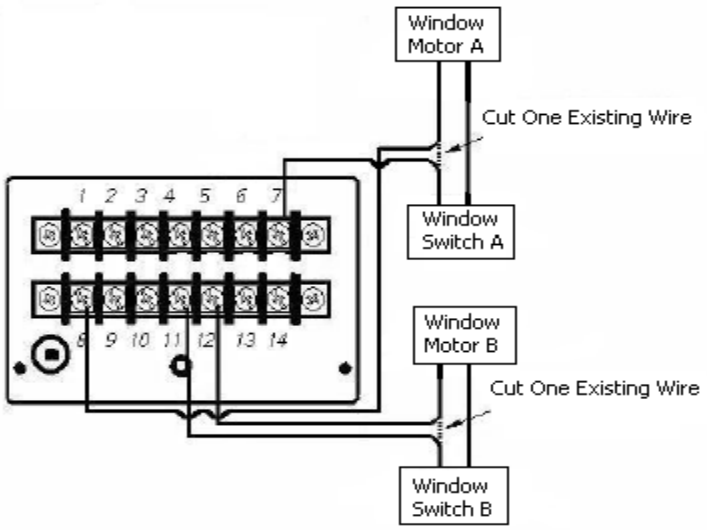
Electric Door Lock Solenoid Wiring Diagram



3) Electric Windows (A&B)

Use a Voltmeter at the electric window motor inside the door to locate the wire that has a positive 12 volts when the window is rolling down. The wire on the electric window motor reverses polarity depending on the function. Check carefully that you select the wire that has a positive voltage during the window roll-down function. Cut this wire between the window motor and the window switch. Make connection close to motor. Using the **Clear and Blue** two-conductor zip wire provided, connect the **Copper / (+)** wire to the wire that is attached to the door window motor. Route the opposite end towards **Premier Canine System™** Terminal **#8 (Window A)** or terminal **#12 (Window B)**. **Use Clear zip wire for (Window A)**. **Use the Blue zip wire for (Window B)**. Connect the **Silver / (-)** wire to the switch side of the wire. This Silver wire is flow through, allowing the existing window system in the vehicle to continue operating normally. Route the opposite end towards **Premier Canine System™** Terminal **#7 (Window A)** or terminal **#11 (Window B)**. Refer to diagram for attachment.

Electric Window Wiring Diagram



NOTE: A proper connection will allow the vehicle window switch system to operate normal when your **Premier Canine System™** is not in the alert mode. When your **Premier Canine System™** system does activate in a heat alert mode, **12 volts will appear at Terminal #8 and # 12 for 6 seconds at the beginning of the alert cycle**, thus rolling down the windows one at a time.

4) Accessory

Locate the positive wire of the accessory you desire **Premier Canine System™** to activate. (Be sure the accessory requires a positive voltage to activate.) It has been found that the easiest alerting device is the HORN. Tap into the wire that delivers +12 volts to the horn. Attach directly to the wire horn. Do not go through the horn relay. Solder and use heat shrink for the best connection. Connect the other end to Terminal #3.

Horns with multiple positive wires: Use a voltmeter to determine which wire is delivering the highest voltage. Remove wire clip from the horn. Attach positive lead of voltmeter to wire. Touch negative lead to the vehicle's metal surface. Have someone blow the horn while you read the voltmeter. Do the same test to the other positive reading wire. Attach the Red accessory wire to whichever one of these wires that has the highest voltage. Route the oppostive end to **Premier Canine System™** Terminal #3.

NOTE: As shipped, your **Premier Canine System™** control unit is capable of alerting with ONE DEVICE ONLY with terminal #3. For instance, do not patch into both horn and lights. To activate more than one alerting device from Terminal #3 you must use independent relays or barrier diodes for each device, using **Premier Canine System™** Terminal #3 to trip the relays.

5) Premier Canine SystemTM Control Unit Terminal List

- **Terminal #1 Optional Pager.** For those who purchased this option
  Enable wire (white) of Pager System. Not used on Pager Model# 795T or Enforcer.
  (See Step 6 - Pager) **DO NOT CONNECT TO VEHICLE IGNITION.**
- **Terminal #2 Optional Pager.** For those who purchased this option.
  Negative Trigger wire (pink) of Pager System. Model 795T (Violet) wire.
  Model Enforcer (Blue) wire. (See Step 6 - Pager)
- **Terminal #3 Accessory.** As instructed above. (See Step 4 - Accessory)
- **Terminal #4 Positive output** to solenoid in door. (See Step 1- Unlatch Solenoid)
- **Terminal #5 12 volt power supply** for **Premier Canine System™** control unit.
  The ring-connector end of the provided Red 12-gauge Power Wire (with an in-line fuse) goes directly to the vehicle's positive battery terminal. Route the end with the spade connector to **Premier Canine System™** Terminal #5. **DO NOT connect at this time.**
- **Terminal #6 Ground** for control unit. The provided 14-gauge Black ground wire provided attaches to **Premier Canine System™** Terminal #6. We highly recommend direct connection to the vehicle battery negative terminal!
- **Terminal #7 Window Switch (A)** as instructed on page 5. (See Step 3 - Electric Windows)
- **Terminal #8 Window Motor (A)** as instructed on page 5. (See Step 3 - Electric Windows)
- **Terminal #9 Positive output** to electric door lock solenoid as instructed page 5. (See Step 2 - Electric Door Locks)
- **Terminal #10 Input from Door Lock Switch** as instructed page 5. (See Step 2 - Electric Door Locks)
- **Terminal #11 Window Switch (B)** as instructed page 5. (See Step 3 - Electric Windows)
- **Terminal #12 Window Motor (B)** as instructed page 5. (See Step 3 - Electric Windows)
- **Terminal #13 Vss** to **Premier Canine System™** (See Step 7 - Vehicle Speed Sensor Hookup)
- **Terminal #14 Optional En'Garde™ System** to **Premier Canine System™**

SPECIAL NOTE: The **Back Up Heat Sensor** must be **handled with care**, do not crush or short the transistor style legs together, do not remove. Do **NOT** mount in a hot area, this sensor will trigger the heat alert functions of the **Premier Canine System™** at 94 to 99 degrees and reset at 89.9-93 degrees. Don't mount in an area that would exceed these temperatures during normal operation of the vehicle; closed in consol, in sunlight on dash, in front of a AC/heater vent.

Notice: Vehicle Manufactures will not supply us with complete data on the various switching systems for unlock and windows. Certain vehicles will require special ground (control) applying relay to supply ground as our system supplies 12 volts. Unlock and Windows: **Chevrolet** and Dodge owners/installers pay special attention to circuits.

6) Pager (wire placement for those who purchased this option)

- **Terminal #1 - Enable wire** (white wire) from the Pager. **Note:** Connection not used with **Pager Model 795T or Model Enforcer. (Never Connect to ignition switch.) The Premier Canine System ™** will control the pager status. the pager must remain on for the **Premier Canine System ™** to work with the Pager.
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- **Terminal #2 -** The **Trigger wire** (Model **DX**: Grey wire. Model **EX**: Pink wire. Model 795T: Viloet Wire. Model **Enforcer**: Blue wire.) This is the negative trigger input. Upon temperature violation the **Premier Canine System™** will trigger the pager.
- **Terminal #5 -** 12 Volt power supply wire for Pager.
- **Terminal #6 -** Ground wire for Pager operation to **Premier Canine System™**. Should be connected to the negative terminal of the vehicle battery or to a good chassis ground. Battery recommended.

Read the antenna connection information in the Pager instructions carefully. Newer model vehicle's AM/FM antenna will not accept the Pager signal. Glass laminated antennas (in the windshield or rear window) will not accommodate the Pager's transmitter. The Pager is operating at 27 MHz on the CB channels. You may attach it to a CB antenna or use the supplied Glass Mount Antenna. Connection to the wrong antenna can damage your Pager and the **Premier Canine System™**. Examine carefully. For optimum range we recommend the supplied Glass Mount Antenna or an independent CB antenna.

NOTE: A mismatched antenna on your Pager can cause your **Premier Canine System™** to malfunction and/or act erratically.

7) Vehicle Speed Sensor (VSS) Hookup (Chart enclosed)

The vehicle speed sensor connection will disable the door opening mechanism when the vehicle is moving. Please note the vehicle must be in motion to test this operation.

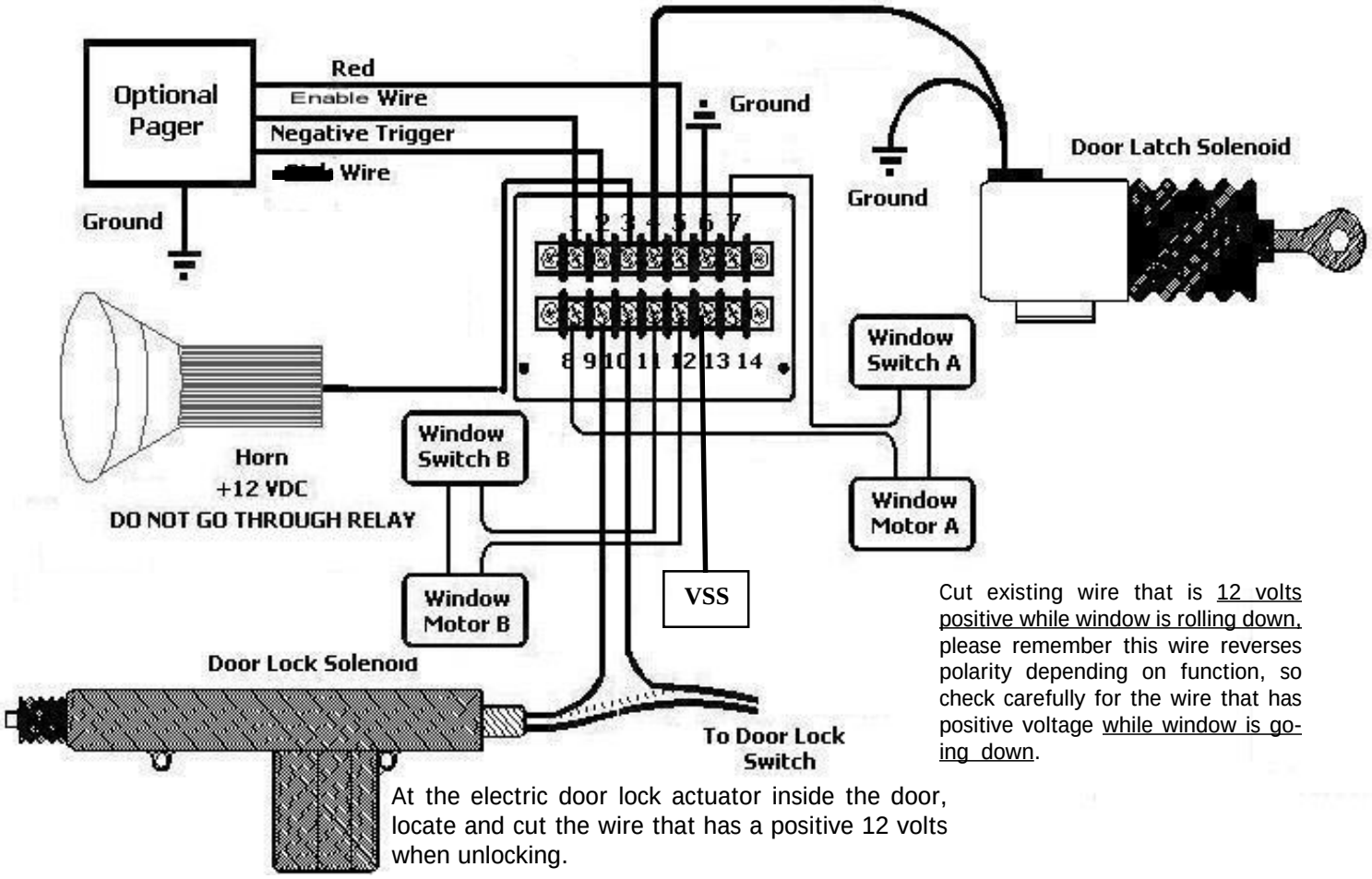
For vehicles not listed on chart enclosed consult service manuals for color code of VSS or inquire of our engineers. We will do our best to assist you with the rarely used vehicles not listed on enclosed chart, requests may take a day for unusual vehicles.

A) Vehicle Speed Sensor Hookup

The supplied green wire 16 gauge must be passed through the firewall and connected to the **Vehicle Speed Sensor**. Attach the remaining end of the green wire to **Premier Canine System™ terminal #13.** This wire can also be found under the vehicle at the rear of the transmission, drivers side. Two wires entering the transmission housing at the very rear before the drive shaft. The location and wire color can vary depending on the model, year of the vehicle.

Gas Spring mounting photos in Ford Crown Vic. (More on pager 8)

Premier Canine System ™
Hook-up Diagram



Cut existing wire that is <u>12 volts positive while window is rolling down,</u> please remember this wire reverses polarity depending on function, so check carefully for the wire that has positive voltage <u>while window is going down</u>.

At the electric door lock actuator inside the door, locate and cut the wire that has a positive 12 volts when unlocking.

Please look at the Pager Model and instruction book, **wire colors vary depending on which model pager** you received. **<u>NEVER connect pager enable wire to the vehicle ignition</u>**, the **Premier Canine System™** is controlling the enable wire (white) through Terminal # 1. Connect the negative trigger wire to terminal #2. You may want to piggy back the power and ground wires for the pager to the **Premier Canine System's™** power and ground terminals.

Optional Pager Models: (Negative trigger) (**Model Enforcer**: Blue Wire) (**Model EX**: Pink Wire) (**Model 795T**: Violet Wire)

Gas Spring installation photos from a Ford Crown Vic. Door is opened wide with plenty of room for K-9 to exit. Mount directly to door frame with supplied bolts, nuts & washers. Mounting ball is removable so the door cover can be cut professionally.

Gas Spring is mounted high to keep it out of the K-9 way during exiting. Gas Spring may also be mount low, but keep it close to the wall of the cage, out of K-9's foot area! High mount is better and safer.

V. Antenna Installation

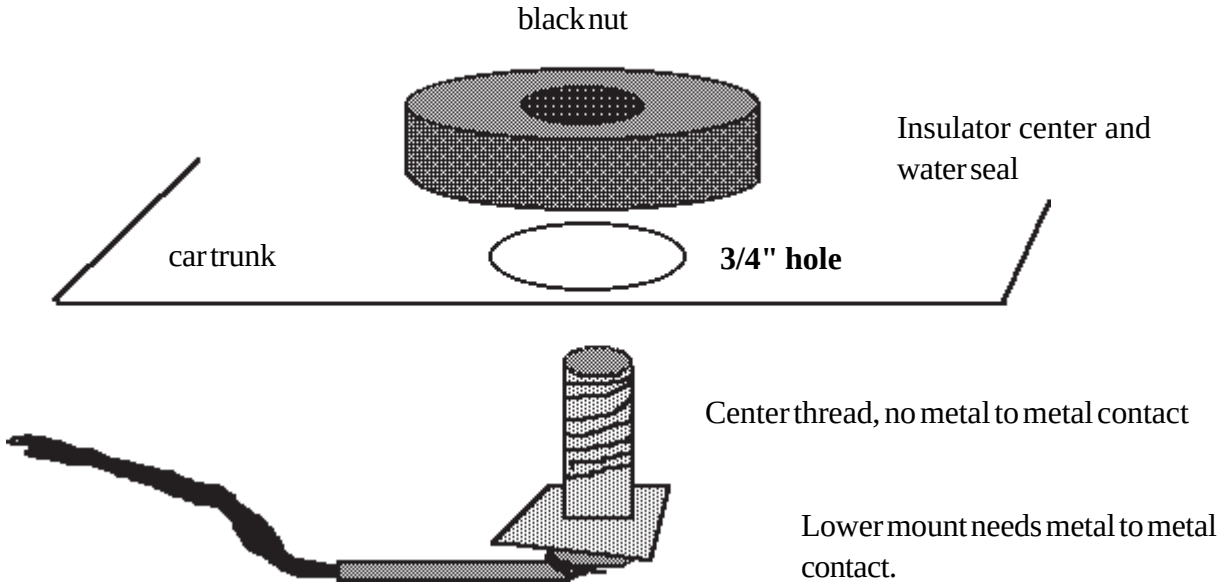
A popular place to mount the antenna is on the trunk. Decide on a mounting location that is not between or next to other antennas, **a minimum of 14 inches away from any other antenna,** as this will limit your range. Use the following instructions:

1) Drill a **3/4"** hole in body of vehicle at desired location.
Remove padding or other thick material from inside at least 1/4" from hole edge.

2) Remove any burrs, particularly on the underside of the hole.
Remove paint in a narrow ring around the hole on the underside.
Metal to metal contact between the vehicle and the lower square-cornered mount is essential for best performance.

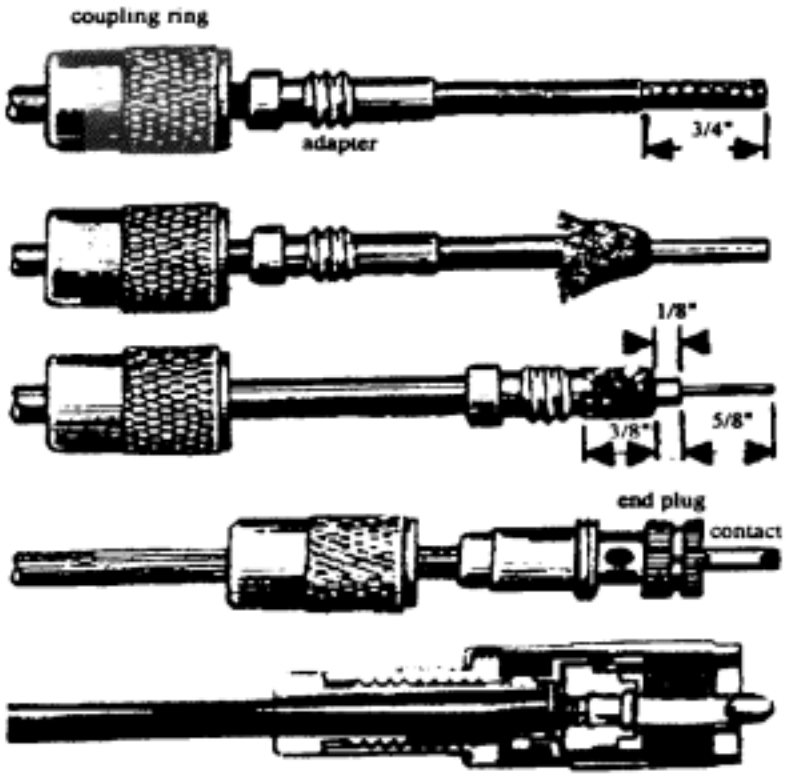
3) Remove round black insulator nut from the lead.
Route the bare end of cable to the control center and slip the mounting through the hole from the underside. Now screw on the black nut and tighten down while centering in place.
You can use the included Allen wrench to help tighten.

4) Make sure that there is **NO metal to metal** contact between the center-threaded bolt sticking up and the car. This will limit the radio range. All systems are range tested before shipment.



NOT FOLLOWING THESE STEPS WILL EFFECT YOUR RANGE!!!
PLEASE FOLLOW INSTRUCTIONS!!!

VI. Antenna Connector Instructions



1) Cut the end of the cable even. Slide coupling ring and the adapter over cable as shown. Expose the wire braid 3/4".

2) Fan braid slightly and back as shown, exposing white cable.

3) Position the adapter flush with cable bracket. Press braid down over the body of the adapter and trim to 3/8". Bare conductor to 5/8". Use solder to tin the exposed center conductor.

4) Screw end plug onto adapter. Solder the braid to shell through the solder holes. Use enough heat to create bond of braid to shell. Solder conductor to contact.

5) For final assembly, screw coupling ring onto end plug.

VII. Some final checking and connections:

After everything is done, make sure you do the final connection to the battery to power up your **Premier Canine System™**. Follow the directions enclosed with your antenna carefully. This antenna is designed and cut specifically for your **Premier Canine System™**. Good range can depend on the antenna installation. Be sure the grounding sheath is in no way connected to the signal wire, either at the plug or at the antenna. A continuity tester will verify this. Make sure you program in your Maximum alerting temperature and test the unit.

PLEASE NOTE: Failure to follow installation guide, drilling into or opening the control unit, removal of any screws, improper mounting of the solenoid, and abusive use of the **Premier Canine System™** voids the warranty. It is not necessary to hold down the button on the remote; a single firm press and release will do the job. To do otherwise would be damaging to the unlatch solenoid.
Please do not remove mounting brackets and then reinsert the screws, you will pierce the circuit board.

VIII. FRONT SWITCHES AND PROGRAMMING INSTRUCTIONS

The following illustration shows the front face of the **Premier Canine System™** control unit after proper programming.

1) SWITCHES

The switches on the front of your **Premier Canine System™** have multiple functions.
The Left-hand switch has two-positions.

- Up position: is High Setting.
  This position is used during programming and also reflects what your maximum high setting is.
- Down position: In this position the switch displays the Ambient Temperature. This is the interior temperature of the vehicle at the location of the probe sensor.

The Right-hand switch has five (5) functions;

- When programming the temperature it is used to change the display.
- After the temperature is set and the Left-hand switch is back to the "Ambient Temperature" position, the Right-hand switch becomes your ON/ Pager as car alarm/ Off switch.
- In the down "Advance Temp. Set/Off" position everything is off.
- In the middle position, **Premier Canine System™** operates the car alarm function (if used with optional pager with alarm sensors).
- In the up position "Lock Max/ ON system is ON, LED will light. This position enables the Bail Out™ and Hotdog™ function of the **Premier Canine System™**.

2) PROGRAMMING

The maximum temperature measured by **Premier Canine System™** is 122° F. Your Maximum set point should be around 80° F to 85° F for your canine's safety.

Consider and observe the following when programming your **Premier Canine System™** for the first time:

- What is the normal ambient temperature of your patrol vehicle?
- Note the ambient temperature reading on the **Premier Canine System™** during normal patrol or operating hours.
- Note the temperature when you return to your vehicle after it has been idling with the K-9 inside. You may notice that the idling vehicle's interior temperature rises because an idling vehicle generates more heat than when it is moving.

After the above observations, consider programming the maximum about 7 to 10 degrees higher than the normal temperature reading during idling. This will assist in setting a reasonable maximum temperature.

Your **Premier Canine System™** has alerting cycles. This means your alarm output will run as follows: First second: **Alarm is activated.** Next second: alarm pauses. Next second: **Alarm is activated.** This will continue in 1 second cycles until the system is deactivated. This occurs if the temperature returns to below Maximum Temperature Set point; by switching the **Premier Canine System™** control unit off; or if the battery dies.

Programming your Premier™

Keep this Programming Guide with your unit

To set the MAXIMUM temperature: Power up the **Premier Canine System™** control unit with both front switches in the **down** position. Flip the Left-hand switch **up** to the "High Setting" position. With the Right-hand switch **down** to the "Advance Temp Set/ Off" the **Premier Canine System™** control unit display LCD will begin to cycle through the possible temperature settings. When you get near your desired set point, flip the **Right-hand** switch to the **middle** position to stop. To advance temperature one degree at a time toggle Right-hand switch **down** to "Advance Temp Set" and **up** to the **middle** position. Most users set the maximum temperature around 85 to 90° F.

Lock in your MAXIMUM temperature: Flip the Right-hand toggle switch **up** to the "Lock Max/On" position and back to the **middle** position. You will see the word **"MAX"** appear in the display. If not, make sure that the Right-hand switch is in the **middle** position and toggle the Right-hand switch again (up) to the "LOCK MAX/ON" position and back to **middle**.

NOTE: The **"MAX"** abbreviation must appear in the display or the **Premier Canine System™** control unit will not alert at your desired maximum setting. (However, the backup sensor will activate the system at 95° F - 98° F .) **If "MAX" disappears from the display, your programmed maximum temperature is lost. The unit must be reprogrammed.**

Now flip the Left-hand toggle switch back **down** to the "Ambient Temperature" position. Then flip the Right-hand toggle switch **up** to "Lock Max/ON." The LED will light and your **Premier Canine System™** system is ready and on. You will not need to toggle the Left-hand switch again unless you need to reprogram the system. The display now shows the ambient temperature of the vehicle interior as sensed by the **Premier Canine System™** probe and the word MAX. Your probe will sample and update the temperature reading every second.

WARNING: If your vehicle is going to be serviced, jump started, the battery charged, or you are going to use your battery to jump start another vehicle **turn your Premier Canine System™ off and remove the fuse**. Failure to do this could damage the system! REMEMBER TO RESET YOUR MAXIMUM TEMPERATURE AFTER REMOVING AND REINSERTING THE FUSE.

Resetting/Reprogramming Maximum Temperature: First, clear the **"MAX"** setting by toggling the Left-hand switch **up** to the "High Setting" position. Next, toggle the Right-hand switch **down** to the "Off" position and back **up** to the "Lock Max / On" position. **"Max"** will disappear from the **Premier Canine System™** display screen. Your **Premier Canine System™** control unit is now ready to be programmed once again.

Warning: If the unit has engaged with a temperature above 95° F, the backup sensor located on the back of the control unit must be cooled below 92° F before it will reset. Failure to do so will result in the unit deploying continuously until it is reset.
To disarm or turn off the Premier Canine System™: Toggle the Right-hand switch to the **down** position.

Testing the Premier Canine System™ : If you set the High alarm temperature to around 85 - 90° F you should be able to activate the system with the heat from the palm of your hand. Hold the probe in your hand, and watch the temperature climb. When the temperature reaches your High programmed temperature, your alerting system will activate, the MAX on the LCD screen and LED will flash (You can manually deactivate the system by toggling the Right-hand switch to the down OFF position.)

Trouble Shooting Guide

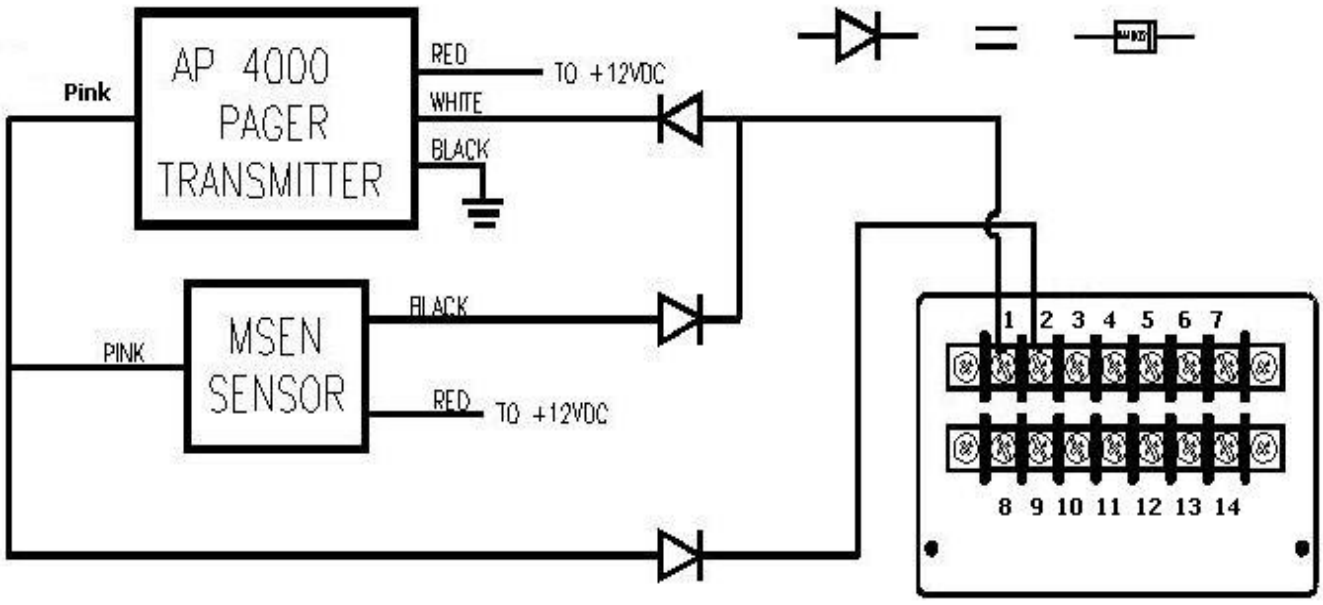
Problem	Possible Causes
Display is jumpy, reads erratically	Improper grounding of unit. Check your ground wire. Make sure you have a good grounding TO CAR BATTERY! Control Unit and/or probe are too close to radio transmitter.
Programming set point changes or MAX disappears from display.	Battery has lost power or is disconnected. Loose connection to the battery.
Alarm does not sound	Set point is improperly programmed. Go through programming instructions again. If "MAX" is flashing and your horn, lights or siren are not activated, they are probably connected improperly.
Digital display is locked up. Stuck on one temperature or will not program to desired setting.	The unit has received a power surge. Turn the unit off and remove the fuse (at vehicle battery). Let the system discharge for about 30 minutes or more. Replace the fuse and reset the system.
Alarm remains on	Set point is improperly programmed. Make sure setting is 75° F or higher. At least higher than the room temperature in which you are. Back up sensor may have activated. If temperature has exceeded 95° F to 98° F, cool physical body of back up sensor down below 92° F to reset. You may use a freeze spray to accomplish this quickly.
Display reading is LLL	If your display reads LLL and will not return to any numbered reading, the probe wire may be broken or disconnected. You may want to order a spare probe in case of this event.
Display reading is HHH	The temperature has exceeded 120° F. This is noticed most when you are both out of the vehicle and the system is not on. Cool the vehicle off and the reading will return. Also, probe may not be properly installed.
No reading on display at all	Check the fuse, battery connection, and Terminal #5 and Terminal #6 on the rear of the **Premier Canine System™** control unit for proper connection.
Fuse is blown or blows upon alerting.	Check the devices connected to Terminals # 4, #5, #6, and #8.
Unit has engaged without reaching maximum temperature.	Make sure that the unit is not located near a heat source or placed in direct sunlight. Back up sensor may have engaged unit. Cool to below 92° F.

Please call us if you have any questions. We will be happy to assist you.

Criminalistics, Inc. 7560 NW 82nd Street Miami, FL 33166 (305) 885-6444 Fax (305) 885-3330
and 1391 Main Ave. Morton, WA 98356 (360) 496-6363 Fax (360) 496-6210
Web site: http://www.criminalisticsinc.com

IX. SPECIAL Hookup of Premier Canine System™ with Optional Pager and Vehicle Alarm Function Sensors

Vehicle Alarm Installation Note: To prevent false alarms caused by the canine moving inside the car, hook up the sensor and the pager according to this diagram with the diodes provided.



By installing the unit in this manner the *optional* alarm sensor is switched off when the **Premier Canine System™** is armed (Right-hand switch up). The vehicle alarm is activated with the right hand switch in the middle position. Both are off with the Right-hand switch in the down position.

Pager as a Vehicle Alarm System

This Pager system is actually the heart of a ***full-blown burglar alarm system*** for your vehicle. Many options are available to you at this point such as glass breakage detectors, motion sensors, key lock alarm and starter kills. Please call us for further information regarding these products.

IXX. Final Notes

Be sure that the system ground is connected to ground terminal of vehicle battery. Improper grounding will adversely affect the unit. After everything is done, make sure you do the final connection to the battery and power up your **Premier Canine System™**. Make sure you programmed the Maximum temperature and the MAX appears in the LCD screen.

Have a good probe placement. Keep clear of radio transmitters, antennas, direct sunlight, and air conditioning/heater vents. Also, keep in mind that chewed, eaten, snatched, cut or damaged probes are not covered by the warranty.

Please test your system everyday. When you enter the vehicle at the beginning of a shift and the vehicle is still hot, flip the **Premier Canine System™** on and check to make sure it alerts. Do not assume that the vehicle or system has not been altered during your time away. This could have deadly consequences.

You will lose your high setting MAXIMUM PROGRAM if the car battery dies or becomes disconnected. Should this occur, simply reprogram the unit by following the programming instructions. Also, be sure the control system is **connected directly to the battery** so it has power at all times, even when the car is not running. Some vehicles will shut down the accessory fuse block if they are over heating - Always connect to vehicle battery with the supplied fuse link. **Fuse for at least 30 amps, 40 amps is recommended.**

If you should ever have to **jump start your vehicle**, give someone a jump or need to charge the vehicle battery, you must **first remove the in-line fuse to the Premier™ control unit**. Failure to remove the fuse, may send a power surge to the unit and cause the system display to lock up. If your display is locked up, turn the unit off and remove the fuse. Let the system discharge over night. Replace the fuse and reset the system.

Carefully follow the directions enclosed with your antenna. This antenna is designed and cut specifically for your **Premier Canine System™**. Good range can depend on this antenna installation. Be sure the grounding sheath is in no way connected to the signal wire, either at the plug or at the antenna. A continuity tester will verify this. If you have a bad antenna installation the normal range for your remote door opener will decrease to approx. 60 to 70 feet.

X. Limited Warranty

Criminalistics, Inc. warrants your **Premier Canine System™** system to be free from defects in materials and workmanship for a period of one year from date of sale to the original purchaser. ***Criminalistics, Inc.*** will repair this product free of charge, when product is returned at customer expense to ***Criminalistics, Inc.,*** and if in the judgment of our staff, said product has proven to be defective within the warranty period. This warranty does not cover any expenses incurred in the removal and reinstallation of this product.

This warranty does not apply to any product damaged by improper installation, accident, misuse, abuse, improper line voltage, fire, flood, lightning or other acts of God, or if the product was altered or repaired by anyone other than ***Criminalistics, Inc.***

PLEASE NOTE: failure to follow installation guide, drilling into or opening control unit, removal of any screws, improper mounting of the solenoid and abusive use of the **Premier Canine System™** system voids the warranty. It is not necessary to hold down the button on the remote; a single firm press and release will do the job. To do otherwise would be damaging to the unlatch solenoid.
Criminalistics, Inc. shall have no liability for any death, personal and/or bodily injury and/or damage to property or other loss whether direct, indirect, incidental, consequential or otherwise, based on a claim that the product malfunctioned. However, if we are held liable, whether directly or indirectly, for any loss or damage arising under this limited warranty or otherwise, regardless of cause or origin, our maximum liability shall not in any case exceed the purchase price of the product.

IMPORTANT

KEEP YOUR INVOICE WITH THIS WARRANTY STATEMENT!!!