

CRIMESTOPPER

SP-402

Combo Alarm & Remote Engine Starting System

OPERATING INSTRUCTIONS

INTRODUCTION

CONGRATULATIONS on your choice of the SP-402 by *Crimestopper Security Products Inc.* This booklet contains the information necessary for operating your system. If any questions arise, contact your installation dealer or Crimestopper Security Products Inc.

CONTACT INFORMATION:
TECHNICAL SUPPORT (800)-998-6880
Monday - Friday 8:00am - 4:30pm Pacific
Website: www.crimestopper.com

CRIMESTOPPER
SECURITY PRODUCTS, INC.
1770 S. TAPO STREET
SIMI VALLEY, CA. 93063

This device complies with FCC Rules part 15. Operation is subject to the following two conditions: 1) This device may not cause 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 modification to this equipment. Such modification could void the user's authority to operate the equipment.

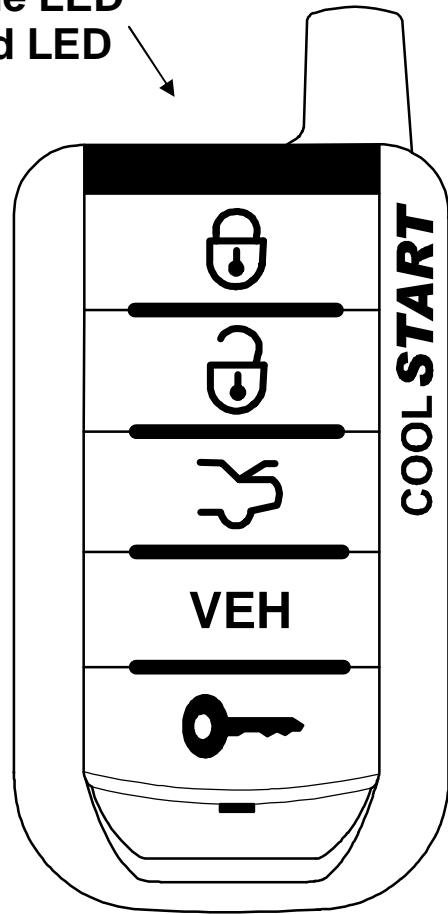
REV 09-2012

USING THE REMOTE TRANSMITTER

VEH 1 = Blue LED
VEH 2 = Red LED

Remote AUX Outputs

- AUX 1 = Trunk + Lock
- AUX 2 = Trunk + Unlock
- AUX 3 = Trunk + Start
- AUX 4 = Lock + Start



Lock / Arm

Unlock / Disarm

















Trunk Release

Vehicle Select

Remote Start

NOTE: The VEH button can be used to keep remote control from accidentally operating your vehicle. See Page 17 for additional information on how to use your remote to operate a second vehicle

QUICK CHART BUTTON FUNCTIONS

Button	Button Functions	Button Options	Button	Button Functions	Button Options
	Lock Doors & Arm System	Press and Hold 2 Seconds for Panic Mode	VEH	Selects between Vehicle #1 and Vehicle #2	Press and Hold for 2 seconds
	Unlock Doors & Disarm System	Press twice for second door unlock	VEH	Used to Disable Remote Control	Press and Hold for 2 seconds
	Trunk Pop Aux # 1	Press and Release for Trunk Pop Aux #1	 Plus 	Activates Aux #1 thru Data	Data Module Sliding Door
	Start or Stop engine	Press for Remote Start. Three options available	 Plus 	Activates Aux #2 thru Data or wire	Steady Momentary or Data Module Sliding Door
 Plus 	Silent Arm / Disarm	No Arm / Disarm Chrip from Siren or Horn	 Plus 	Activates Aux #3 thru Data or wire	Momentary, Timed or Latched Output
 Plus 	Valet Service Sensor ON / Off	Valet Mode when Disarmed. Sensor On/Off when Armed	 Plus 	Activates Aux #4 thru Data or wire	Momentary, Timed or Latched Output

OPERATING INSTRUCTIONS - ALARM



ARMING / LOCKING

Press the Lock Button on the remote control. The System will arm emit one siren chirp, one light flash, and the LED will begin to flash. Power locks will lock (if equipped). Starter disable circuit will turn on. The 2-Way LCD Pager will beep once while displaying a Locking symbol. After a short delay to allow the vehicle and electronics to settle, the system will be completely armed.

DISARMING / UNLOCKING

Press the Unlock Button on the remote control. The System will disarm and confirm with two siren chirps, two light flashes, and the LED will turn off. Power locks will unlock and Interior Dome light will turn on (if installed with these optional features). The 2-Way LCD Pager will beep twice while displaying an Unlock symbol.

SELECTIVE SILENT ARMING / DISARMING

 Plus  To Arm or Disarm the system without siren chirps, press and release both the Unlock and Start Button at the same time. The System will Arm or Disarm without siren chirps. Flashing lights and LED will be the only indicators of Arm/Disarm status. The LCD will Display a musical note with an "Ø" when the system is armed or disarmed without a chirp.



DRIVER'S DOOR PRIORITY UNLOCK: Optional connection required

This option separates unlock of the driver's door from the passenger doors with the remote control. The first press of unlock button will unlock just the driver's door. Pressing the unlock button a 2nd time within 12 seconds will unlock the passenger doors.

DISARMING WHILE TRIGGERED

Disarming the System while it is triggering requires TWO presses of the Unlock Button. The first press Resets the alarm cycle only (system still armed) while a second press will disarm/unlock the system.

SELECTIVE SHOCK SENSOR DISABLE

 Plus  To arm the alarm and bypass shock sensor protection, press the Lock Button as normal then press and release the Lock & Unlock Button together within 2 seconds. You will hear 3 extra siren chirps indicating the shock sensor bypass for this arming cycle only. This is feature useful when parking near railroad tracks, airports, or areas with excessive loud machinery or noise to prevent the nuisance of unnecessary false alarms.

OPERATING INSTRUCTIONS - ALARM

ALARM TRIGGERS

If there is an intrusion into the vehicle, a hard impact to the body or the ignition is turned on, the alarm will sound and flash the lights for 1 minute. After 1 minute, the trigger cycle will automatically stop and alarm will remain armed to continue protecting the vehicle. If a door is left open after an intrusion then the unit will cycle a maximum of 2 minutes and continue to protect the other un-tampered or unopened zones.

LCD REMOTE PAGING / ZONE VIOLATIONS

When the system is triggered, the alarm sends a paging signal to the remote. If you are within range, you will receive a paging signal that will light up the LCD Screen Red. The display will show an icon of what caused the violation. The paging remote will also vibrate and beep to notify you the vehicle has been tampered with.

OPEN DOOR ALERT / BYPASS

Upon arming, this system will warn you 5-60 seconds later if a door is left open. The LCD pager will vibrate and beep (5X's) along with displaying the open zone on your LCD screen. This zone will be bypassed until the door is closed; otherwise, the alarm will continue to protect all other zones.

PRE-WARNING SHOCK PROTECTION

The Pre-Warning (Warn-A-Way) feature will activate when a low-level shock or vibration is detected by the system's shock sensor. The alarm will chirp the siren 5 times and flash the lights once to help deter any further tampering with the vehicle. The pager / remote will beep and show a Hammer Icon.

PASSIVE ARMING MODE (Programmable)

Passive (automatic) Arming occurs 30 seconds after the ignition is turned off and the last door is closed. Upon closing the last door, the unit will flash the lights twice and LED will be flashing rapidly to confirm passive countdown. If a door is re-opened within the 30-second period, the countdown stops and begins again when the door is closed. Passive arming provides failsafe protection in case you forget to arm the system.

PASSIVE LOCKING (Programmable)

The system can be programmed to passively lock the doors when the system passively arms or rearms. The default setting is OFF because passive locking increases the risk of locking the keys in the vehicle when the system arms/locks passively, without you pressing the remote.

OPERATING INSTRUCTIONS - ALARM

REMOTE PANIC PROTECTION

To sound the alarm in an emergency or to draw attention to your vehicle, press and hold the Lock button for at least 3 seconds until the siren / horn sounds. Press the Unlock button to reset panic mode. The LCD display will flash most of the icons and emit 10 beeps when the Panic Mode is triggered.

TRUNK / HATCH POP (Optional, Remote AUX. 1 Output)

This feature is designed to interface with existing Factory power trunk or power hatch release systems and may require additional parts and/or labor charges. To eliminate the possibility of accidentally opening the trunk, there are (3) options for button press selection. This option will allow you to change whether the Remote starter and Trunk release activate by a:

1. Double button ½ second presses.
2. Single ½ second press. ***Default = Single ½ second press***
3. Press and Hold 2 seconds. This output stays on until trunk button is released.

REMOTE AUX. 1 thru Data module for sliding doors only



This feature requires a Databus module to operate.
Press Trunk plus Lock at same time to activate Aux 1.

REMOTE AUX. 2 Output (Optional, requires special programming)



This system contains a 2nd Auxiliary output to activate other accessories or devices. This momentary output will stay active as long as the remote button is held down. There is no LCD / Pager confirmation for Aux. 2 output. To activate the 2nd Auxiliary output:
Press the Trunk and Unlock button for more than 2 seconds.

REMOTE AUX. 3 Output (Optional, requires special programming)



This system contains a 3rd Auxiliary output to activate other accessories or devices. This output is programmable for a momentary, timed or Latch output. To activate the 3rd auxiliary Output:
Press the Trunk and Start Button at the same time.

REMOTE AUX. 4 Output (Optional, requires special programming)



This system contains a 4th Auxiliary output to activate other accessories or devices. This output is programmable for a momentary, timed or Latch output. To activate the 4th auxiliary Output:
Press the Lock and Start Button at the same time.

OPERATING INSTRUCTIONS - ALARM

PRIOR INTRUSION ALERT

This system will notify you if the alarm was triggered while you were away. Upon disarming, there will be four additional siren chirps after the two normal disarm chirps. Check your vehicle for any signs of a break in or tampering. Also, see LED Diagnostics (page 17) to determine the cause of the trigger.

DOME LIGHT ILLUMINATION (Optional)



This feature will turn on the vehicle's dome light upon disarming for 30 seconds or until the key is inserted and turned on. This will provide illuminated entry to your vehicle in dimly lit areas for safety and security.

EMERGENCY OVERRIDE (Disarm)

If you have lost the transmitter or it stops working for any reason and the Alarm is armed, you will have to disarm the system manually. Open the door with the key [alarm will sound], turn the ignition on, and press the override/program button for about 5 seconds. The Alarm will disarm and allow you to use the vehicle until you can repair/replace the remote. Valet Mode also prevents Passive Arming.

VALET MODE (Solid Blue LED)

Disables alarm system and remote engine starting for vehicle servicing. The alarm system must be disarmed to enter Valet Mode.

1. **To Activate Valet Mode Manually:** Turn the ignition on and press the Valet / override button [about 5-6 seconds] until you hear (3) siren chirps and the LED turns on solid. Repeat the process to exit VALET mode.
2. **To Activate Valet Mode with the Remote:** Press and hold both the Lock and Unlock Button  Plus  together for about 3 seconds until 3 chirps are heard. Repeat this step to exit via the remote transmitter. Lock / Unlock and AUX features will still operate in VALET Mode however; Remote Start and Alarm functions are inhibited.

REMOTE ENGINE CONTROL

REMOTE START & Trunk Release – Button Press Selection (Option # 8)

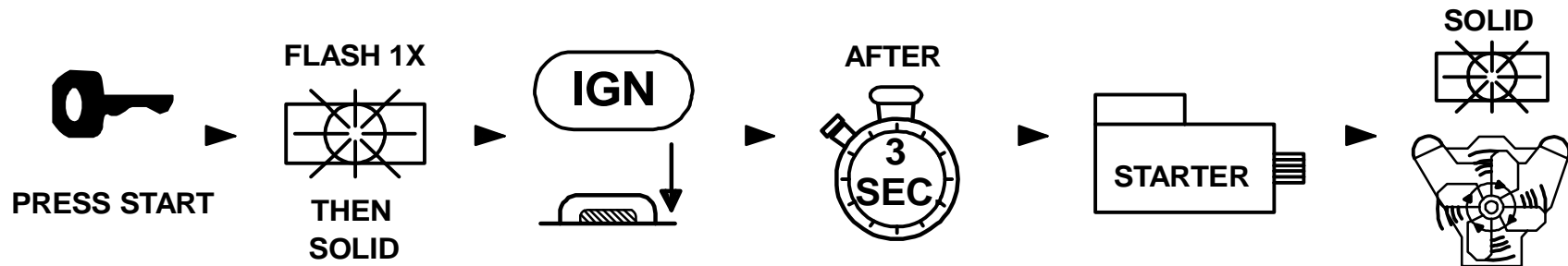
To eliminate the possibility of accidentally opening the trunk or starting the vehicle, there are (3) options for button press selection. This option will allow you to change whether the Remote starter and Trunk release activate by a:

4. Double button press.
5. Single ½ second press.
6. Press and Hold 2 seconds.

Default = Single ½ second press and release

REMOTE ENGINE STARTING

- 1) Press remote start button on the remote transmitter. System will chirp 3 times for audible confirmation. (Chirps can be programmed on or off-See installation manual.)
- 2) Parking lights flash once, then turn on solid, Ignition/Accessory circuits turn on.
- 3) After a few seconds, Starter Motor engages, Parking lights and Accessory circuits turn off while cranking.
- 4) Engine Starts and Runs. Parking Lights and Accessory turn back on, Doors Lock.
- 5) Engine will remain running for programmed run time until reset with Brake pedal. If needed, the engine can be turned off with remote transmitter.



REMOTE ENGINE STARTING – LCD PAGER-REMOTE:

When requesting a remote start the LCD pager remote will confirm with an Ignition Icon along with 3 beeps. Once the vehicle has successfully started the remote will confirm back with 3 beeps and vibration, a Key Icon and smoke coming from car. *The LCD screen will display the remaining engine run time every minute.*

REMOTE ENGINE CONTROL

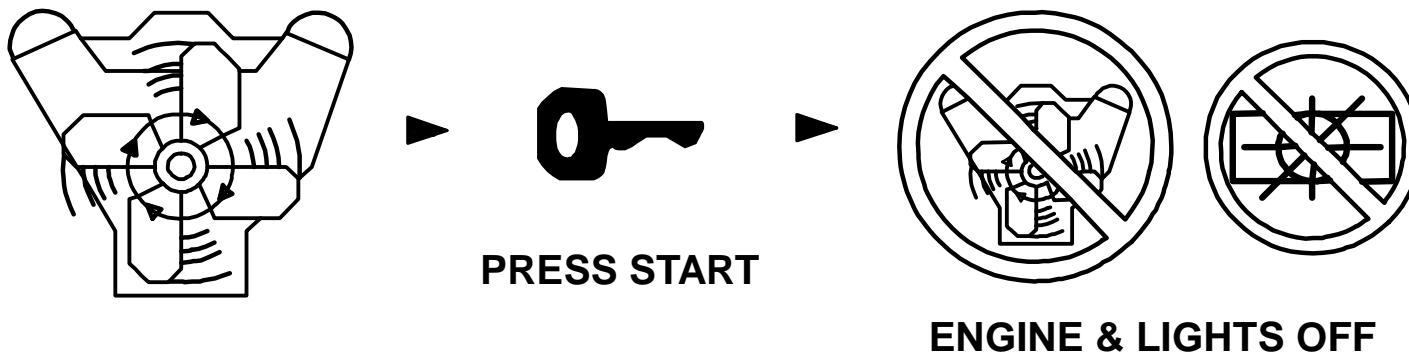
UNSUCCESSFUL REMOTE START

In the event that the engine does not start on the first attempt, the system shuts down for a few seconds, then attempts to restart the engine a 2nd and 3rd time. For hard starting engines, the unit will allow a starter crank time of up to 4 seconds maximum. This should provide ample cranking time for difficult starts, but is limited to 4 seconds to help prevent damage to the starter from over cranking.

- 1) If engine starts on 2nd or 3rd attempt, see steps 4 & 5 (on last page) under "Successful Start".
- 2) If Third attempt fails to start engine, the system will turn off and doors will remain locked. *NO FURTHER ATTEMPTS WILL BE MADE AUTOMATICALLY UNLESS YOU PRESS THE REMOTE START BUTTON AGAIN.*

TURNING OFF YOUR REMOTE STARTED ENGINE (VIA Remote Control)

- 1) Engine is running in Remote Start (Parking lights ON).
- 2) Press Remote Start button on remote transmitter.
- 3) Engine & parking lights turn OFF, Doors remain locked or will re-lock if applicable.



ENTERING YOUR REMOTE STARTED VEHICLE

- 1) With engine running, use remote to Unlock/Disarm system (If armed) or open door with key.
- 2) Enter vehicle and be careful not to step on brake pedal! (Remote Start Reset)
- 3) Turn Ignition to ON/RUN position, then **press brake pedal** to reset the Remote Starter & Shift out of park.
- 4) Remote starter will reset instantly when the brake is pressed. Parking lights will turn off and the ignition key is now controlling your vehicle.

IDLE DOWN MODE

IDLE DOWN MODE (Option # 26 – 10, 20, 30 minutes or Infinity Run)

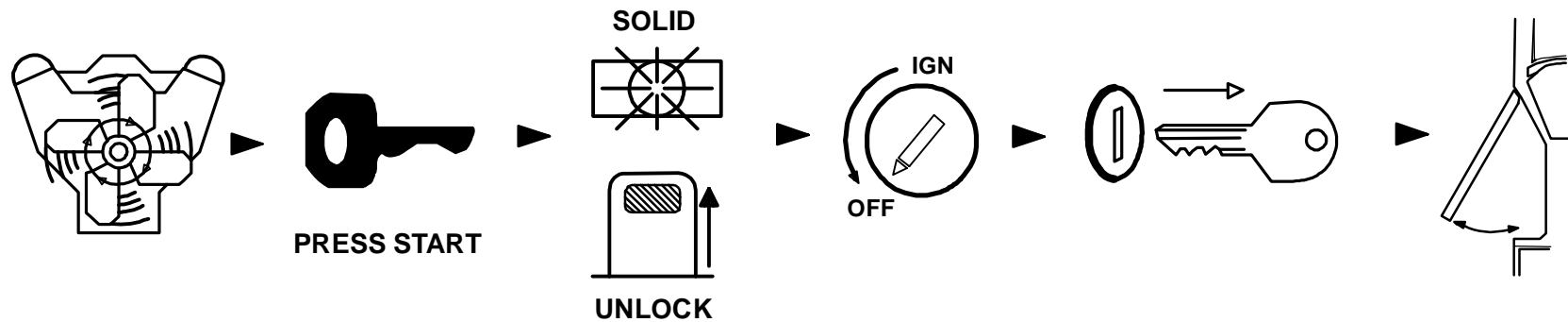
This mode allows the unit to take over operation of your idling, parked vehicle while the ignition key is removed and you exit the vehicle. The vehicle is put into a remote running condition before you exit and it will remain running for the programmed run time, until you return, or until the remote start button is pressed.

Example:

You pull up to a convenience store for a quick stop, "Idle Down" mode keeps engine running when you exit the vehicle, (with keys in hand) remote lock/arm alarm. When you return, unlock/disarm alarm, turn ignition ON and drive away.

IDLE DOWN MODE - Exiting The Vehicle:

- 1) With engine running, press Remote Start button on remote transmitter. Siren will chirp 3 times for confirmation.
- 2) Parking Lights will turn ON.
- 3) Doors will unlock, or if brake pedal is being depressed then doors will unlock when it is released.
- 4) Turn OFF Ignition and remove key. Engine should remain running.
- 5) Exit vehicle, then arm system with remote if desired. Locking doors a 2nd time aborts remote start.
- 6) Engine will remain running for programmed run time, until you return, or press the remote start button.



IDLE DOWN INFINITY RUN MODE

Idle Down can be programmed for INFINITY RUN. This allows the vehicle engine to remain running *INDEFINITELY* without the ignition key in the switch. The parking lights continuously flash in this mode. This mode can be beneficial to law enforcement or commercial trucks that need to remain running unattended for long periods of time.

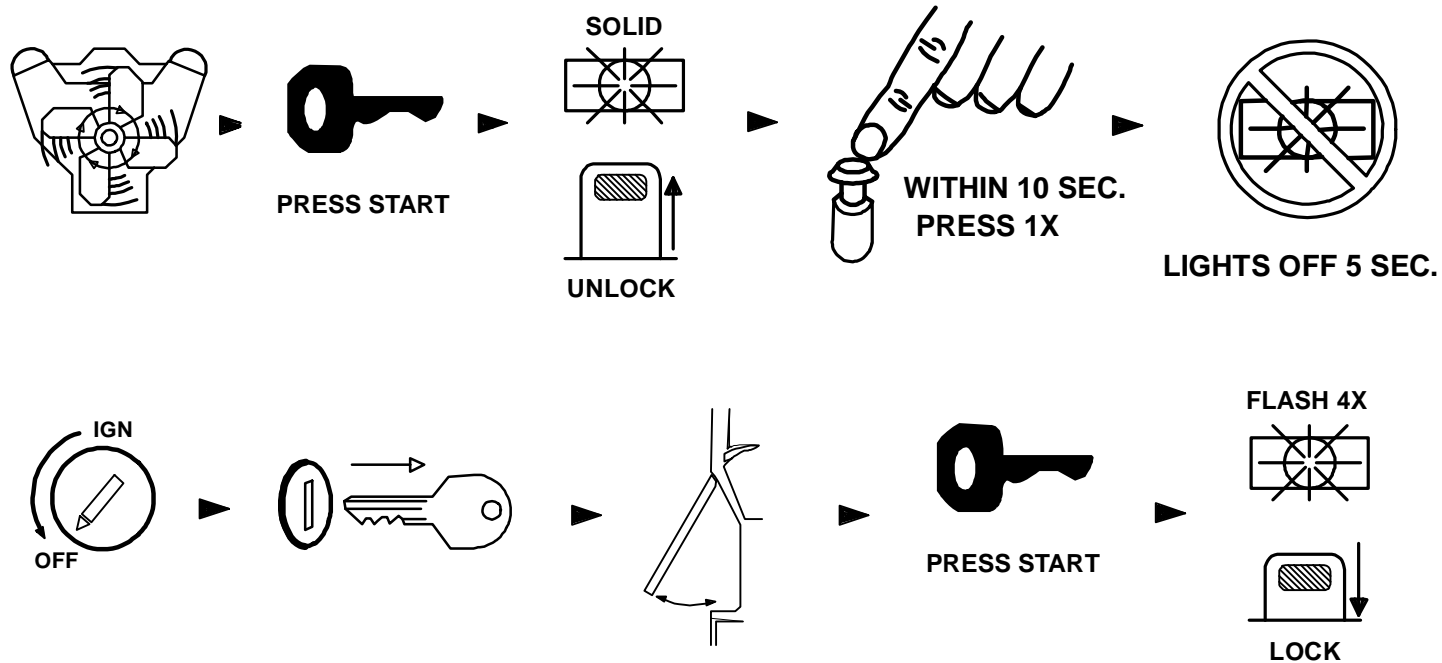
TIMED SELF STARTING MODE

TIMED SELF START MODE

This mode allows the vehicle to be programmed to self-start every 4 hours and run for the programmed run time. This can be helpful during extremely cold conditions where engine or fluid freeze-up is a concern. !!THE VEHICLE MUST BE OUTDOORS OR IN A WELL VENILATED AREA!!

TIMED SELF-START MODE – Exiting the Vehicle:

- 1) Have engine running with the Key, then press the Start button on the transmitter.
- 2) Within 10 seconds press the valet/program button once.
- 3) Parking Lights will turn OFF for about 5 seconds, and doors will unlock.
- 4) Turn Ignition switch OFF, remove key and exit the vehicle. Engine should remain running.
- 5) Press the remote start button again to turn off the engine. The parking lights will flash 4 TIMES as a confirmation that the unit is in Timed Self-Start Mode.
- 6) The Vehicle will Start by itself every 4 hours, or until driven with key or started via remote control.



RESETTING TIMED SELF START MODE

To reset the timed self-start mode, start vehicle using the ignition key or the remote control.

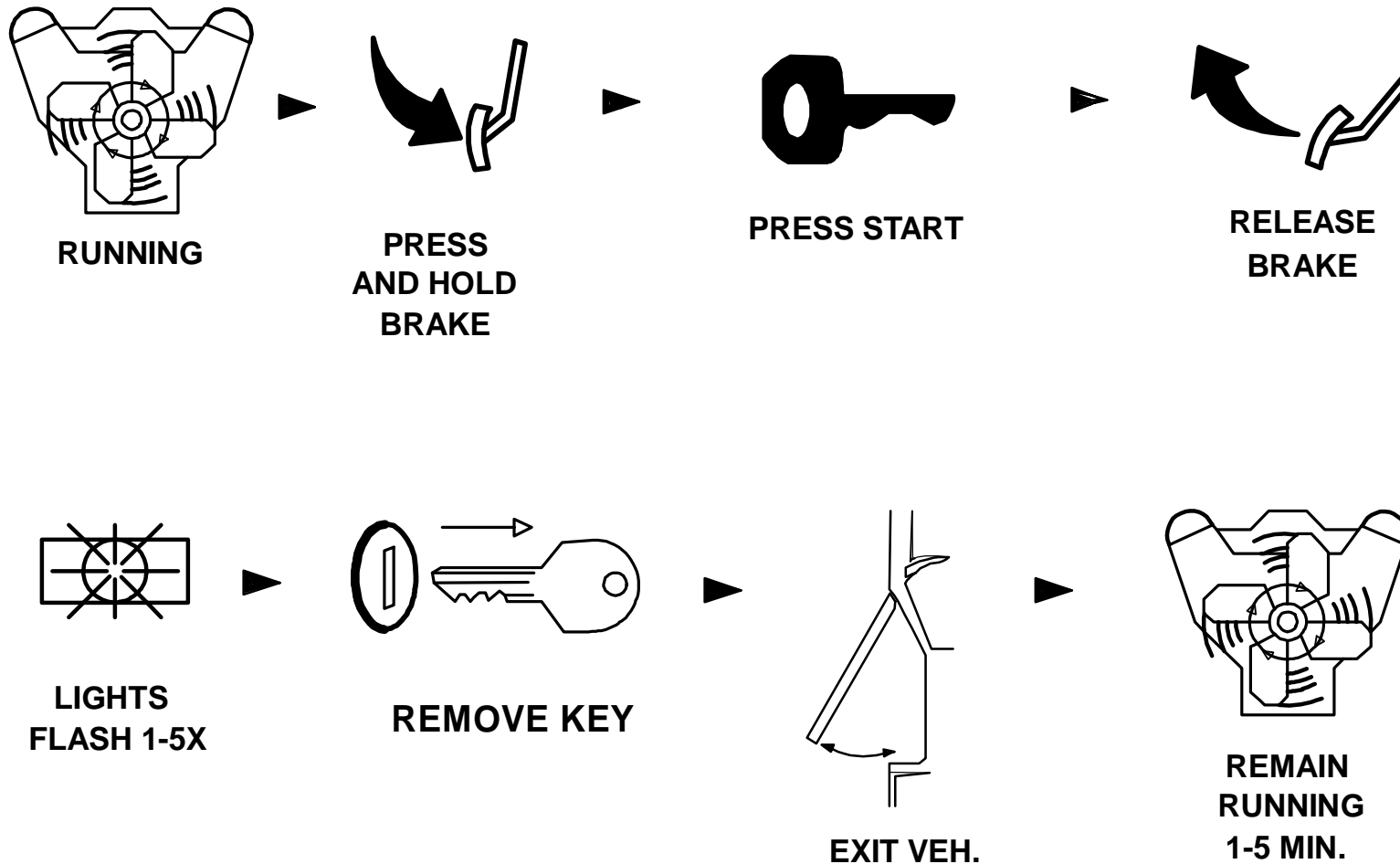
TURBO TIMER MODE

TURBO TIMER MODE (Option #31)

The optional Turbo Timer mode allows the CoolStart system to keep a Turbo or Turbo Diesel vehicle running for 1, 3 or 5 minutes [selectively] after you remove the key and exit the vehicle. This is handy for turbo cool-down without the need for expensive turbo timers. The **Default = OFF**.

To Activate Turbo Timer:

With the engine running by key, **press Remote Start Button with brake pedal depressed**. As you release the brake pedal, the Parking Lights and Status LED will blink the number of minutes for the Turbo Timer setting. The doors unlock after confirmation.



MANUAL TRANSMISSION MODE

MANUAL TRANSMISSION EXIT PROCEDURE (Option #15-1, 15-3 and 15-4)

This system features a Manual Transmission Mode. When exiting the vehicle, there is safety check out procedure required for the manual transmission mode to work. There are 3 choices of operation,

1. **Option 15-1:** With engine running and vehicle in neutral, set parking brake, then press “KEY” Icon on transmitter. The remote starter will turn on and take over operation of the vehicle.
2. **Option 15-3:** With engine running and vehicle in neutral, set parking brake, the remote starter will turn on and take over operation of the vehicle.
 - a. Remove key, exit vehicle (remote starter unit must “SEE” door opened, then closed with engine running).
 - b. Press Lock button within 10 seconds of closing door to “Arm with Idle Down” (engine stays running). Press Lock a 2nd time to cancel “Idle Down” (engine turns off) and set up Manual Transmission Mode.
 - c. Press Lock button after 10 seconds to Arm system, lock the doors and shut down the engine. From this point, you can will remote start the engine unless a door is opened.
 - d. Press the Remote Start Button after closing door to set up Manual Transmission Mode without Arming Alarm System.
3. **Option 15-4:** With engine running and vehicle in neutral, set parking brake, the remote starter will turn on and take over operation of the vehicle. Remove Key and exit vehicle. When the last door of vehicle is closed, the engine will turn off in 2 seconds and set up Manual Transmission Mode. You can arm the alarm system to lock doors and protect vehicle.

NOTE: Passive arming does not work in Manual Transmission Mode. This system can be programmed to lock the doors when remote start aborts (engine turns off).

TURBO TIMER in Manual Transmission Mode:

For Turbo Timer, press brake pedal before setting parking brake or pressing the Remote Start Icon (requires Turbo Timer Option # 31). After exiting vehicle, press lock button to set Manual Transmission Mode. The engine will remain running for the Turbo Time setting (1, 3 or 5 minutes). Turbo Timer does not work with option 15-4 selected.

ANTI CARJACK PROTECTION

CARJACK PROTECTION (Option 32-1)

This optional feature requires installation of a hidden momentary button or an On/Off switch for Carjack protection. Carjack provides protection while driving your vehicle. If a Carjacker opens, any door with the ignition on, the system arms. When the door closes, the parking lights will flash 2 times and the LED will begin to flash rapidly to confirm the beginning of a Carjack countdown. 30 Seconds later, the unit will begin a Carjack Cycle consisting of 20 seconds of pre-warning chirps turning into a full system activation with siren, horns and flashing lights for up to 5 min. Turning the Ignition off during a Carjack trigger will stop the siren and lights and horn but Carjack protection is still active. If the Carjacker tries to turn the Ignition back ON, the vehicle will not start and the Siren and Lights and horn will resume for 5 minutes or until the ignition turns off.

To Reset Carjack During Countdown: Press the UNLOCK button on the remote control, the siren will chirp once and the LED will stop flashing.

To Reset Carjack after Trigger: With the ignition key on, press and hold the override button for at least 5 seconds.

HIDDEN SWITCH-CONTROLLED CARJACK

This configuration will enable the vehicle owner to activate a Carjack countdown by pressing a hidden push-button (not included with kit) during a Carjack situation. A Carjack countdown will begin under the following conditions: Ignition is ON (vehicle is running), the push-button is pressed, and the door opens/closes. Upon these three events, in that order, the alarm will start a Carjack countdown. After a delay of 30 seconds, the system will begin chirping for 20 seconds then trigger into a full cycle for up to 5 minutes.

SWITCH-CONTROLLED & FULL TIME CARJACK

This is the recommended method. A hidden on/off switch is installed on the Pink Carjack wire. For Carjack protection, simply turn on the switch. Turn off the switch to disable Carjack protection. You can leave the switch on for full time protection. Just remember to press the unlock button every time the door is opened while driving.

ALARM TRIGGER DIAGNOSTICS

This systems includes disarm diagnostics, through the LED light, that will help in determining what caused the last trigger of the alarm system. This is a valuable tool in determining how the vehicle was tampered with or if there is a false alarm problem, in which case you can make the necessary adjustments to correct the problem.

When the system is disarmed with the remote, you will hear the normal 2 chirps, then 4 quick chirps that indicate the alarm was triggered while you were away. Check the LED light for a sequence of flashes:

- 1 LED Flash = Shock Sensor Violation**
- 2 LED Flashes = Door Violation**
- 3 LED Flashes = Hood Violation**
- 4 LED Flashes = Ignition Violation**
- 5 LED Flashes = Trunk Violation**

Diagnostics will reset when the Ignition is turned on or when the system is re-armed.

REMOTE START DIAGNOSTICS

The system has built-In Remote Start Diagnostics. If Remote Start fails, the Status LED and Parking Lights flash one to seven times to indicate an error code. The LED will continue flashing the error code until the ignition is Turned On; it means the following:

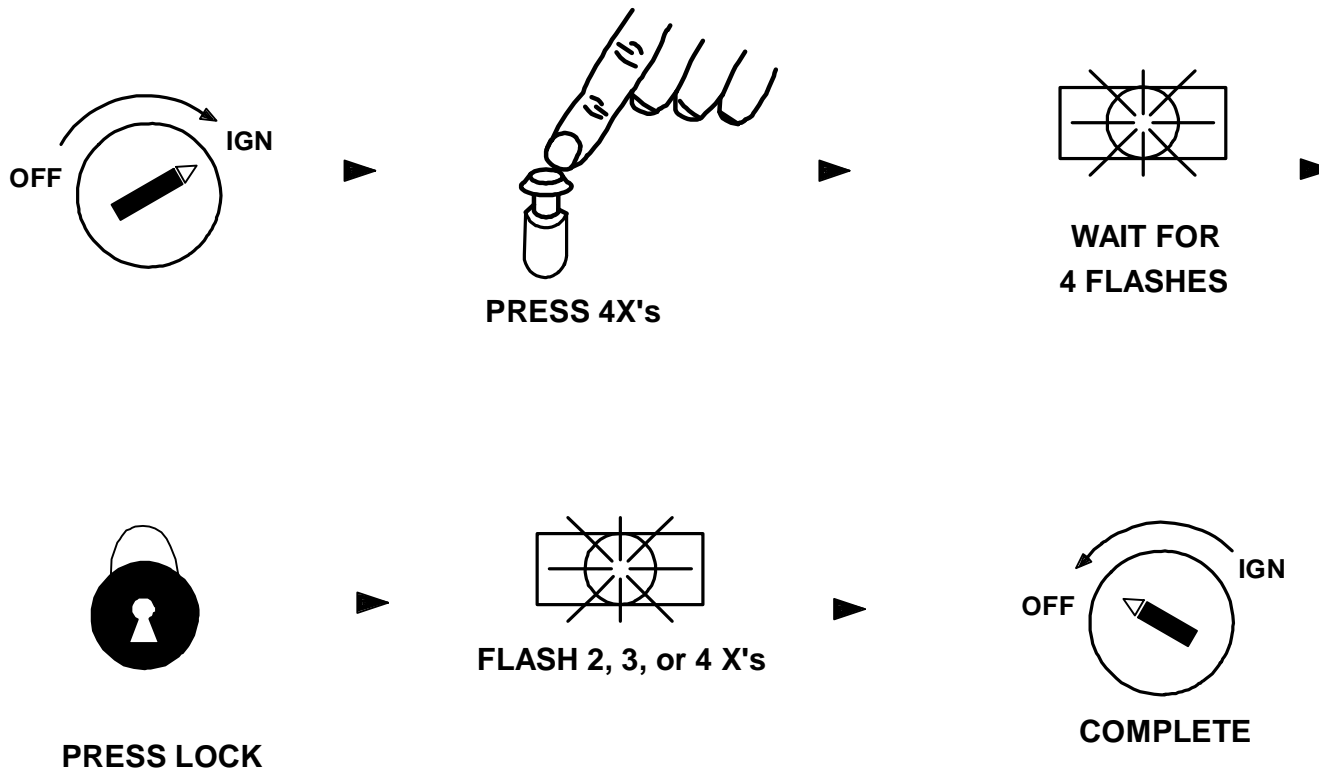
- 1 Parking Light Flash (1 LED Flash) = Problem with Brake Switch.**
- 2 Parking Light Flashes (2 LED Flashes) = Problem with Hood Switch.**
- 3 Parking Light Flashes (Solid LED) = Valet Service Mode.**
- 5 Parking Light Flashes (5 LED Flashes) = Tach Problem (Ignition On before Remote Start).**
- 7 Parking Light Flashes (7 LED Flashes) = Manual Transmission Error.**

Note: In Manual Transmission Mode, the LED will Flash 3 times if the parking park is not set.
This system includes disarm diagnostics, through the BLUE LED light, that will help in determining
7 Parking Light Flashes = Manual Transmission Mode Error.

TRANSCIEVER / REMOTE CONTROL PROGRAMMING

Note: All transmitter codes must be learned at time of programming! This system learns up to 4 different transmitter codes.

1. Turn ignition key to the ON position.
2. Press Programming button 4 times, then after a few seconds the unit flashes the parking lights 4 times.
3. Press button #1 of the first transmitter. You should get 1 light flash confirming the remote is coded, then press button #1 of a second transmitter, the unit will flash 2 times confirming the remote is coded and so on. If all 4 codes are learned, the unit will automatically exit code learning mode, otherwise turn key off. See diagram below.



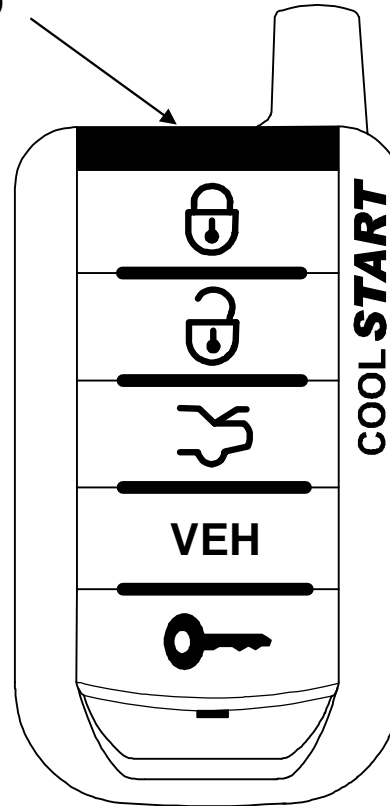
2 VEHICLE OPERATION

2 VEHICLE CONTROL

A single Remote Control can control two different vehicles.

To set up the 2-Vehicle operation you must first program your remotes to Vehicle #2. Follow the “Transmitter Programming” steps (Pg. 12) at the second vehicle and learn YOUR remote, along with vehicle #2’s existing remotes.

VEH 1 = Blue LED
VEH 2 = Red LED



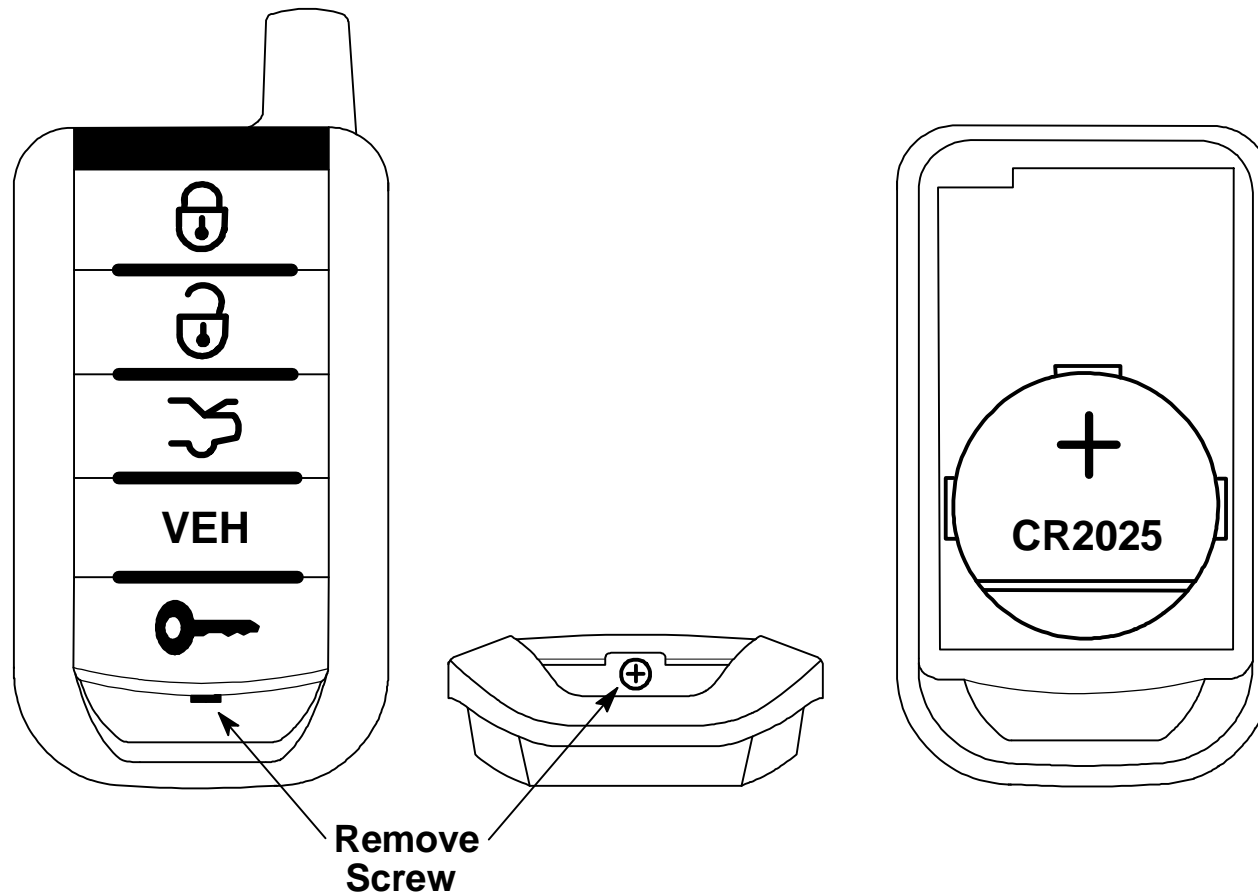
To change from vehicle 1 to vehicle 2, press the **VEH** button on remote for about 2 seconds. The LED on remote will change from **Blue to Red**. The VEH button can be used to keep remote control from accidentally operating your vehicle.

Note: Use can use Vehicle 2 Mode to turn off remote if there is no system installed in a 2nd vehicle

BATTERY REPLACEMENT

To Replace the Battery:

The Remote Control uses two CR-2025 Lithium 3 Volt Batteries. Simply remove the Phillips screw located behind key ring (see diagram below). The top cover snaps apart from the back cover. Slide old batteries out and remove plastic cover. Insert the new batteries into plastic cover and slide into place with the (+) end facing up. The plastic cover keeps the batteries from shorting out against the side of metal housing.



2-Way Data Port

Most new vehicles require a Databus Module to Bypass the factory Immobilizer and operate the keyless entry

Databus modules are used to communicate with the vehicles computer at the OBD2 Data connector or Canbus wires. This reduces installation error. Crimestopper Systems with DP Series have a direct Data Port Plug-In for the Databus bypass module. This eliminates conventional wiring between the Alarm/Remote Starter and the bypass interface module.

Features Include

- Transponder Immobilizer.
- PassLock Immobilizer.
- O.E.M. Alarm Control.
- R.A.P. Shutdown.
- Power Door Locks.
- Priority Unlock.
- Sliding Doors.
- Trunk Release.
- Parking Lights.
- Courtesy Lights.
- Tachometer.
- Heated Seats.
- Rear Defrost.
- Driver 1 and 2 Memory presets.

The actual features controlled depend on the vehicle and Databus module.

CRIMESTOPPER

Crimestopper Security Products Inc.
1770 So. Tapo Street
Simi Valley, CA 93063
(800) 998-6880
www.crimestopper.com
©2012 Crimestopper Security Products

The logo for TechWeb, featuring the word "TechWeb" in a bold, rounded, sans-serif font with a thick black outline and a slight drop shadow effect.

ONLINE TECHNICAL SUPPORT
www.crimestopper.com