

REV.2007.06.14

450 SERIES  
Advanced Vehicle Security System

# STEAL SHIELD

## OWNER'S GUIDE

Note: Some features may not be available on certain models.

### FCC ID NOTICE

This device complies with Part 15 of the FCC rules. Operation is subject to the following conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

CAUTION: Changes or modifications not expressly approved by the party responsible for compliance void the user's authority to operate this device.

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\* Optional features may require additional wiring and or installation time.

**VERY IMPORTANT NOTES:**

LOCK, UNLOCK, DRIVER'S DOOR PRIORITY UNLOCK, TRUNK RELEASE AND THE AUXILIARY OUTPUTS ARE OPTIONAL OUTPUTS. ENABLING THESE FEATURES REQUIRES CUSTOM INSTALLATION & PROGRAMMING. THESE FEATURES MAY NOT BE COMPATIBLE WITH SOME VEHICLES.






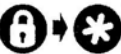
FOR SAFETY REASONS THE TRUNK RELEASE OUTPUT WILL NOT ACTIVATE WHEN THE IGNITION IS IN THE ON POSITION.

NOTE: PADLOC AND 2ND CAR OPERATION ARE FEATURES THAT REQUIRE SPECIAL PROGRAMMING.

SOME FEATURES MAY NOT BE AVAILABLE FOR ALL APPLICATIONS. CONTACT YOUR DEALER FOR MORE INFORMATION.



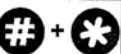
## QUICK VIEW OPERATIONS

## QUICK VIEW OPERATION CHART

BUTTON	LENGTH OF PRESS	CHIRPS / FLASHES	SYSTEM OPERATION
	1 SECOND 3 SECONDS PRESS & RELEASE THEN PRESS & HOLD	1 1 1	LOCK / ARM ALARM ACTIVATE PANIC ALARM ACTIVATE CONSTANT LOCK**
	1 SECOND 1 SECOND (WHILE ALARM IS TRIGGERED) PRESS AN HOLD FOR 3 SECONDS	2 OFF 2 + 1	UNLOCK / DISARM ALARM DEACTIVATE PANIC ALARM UNLOCK + TRUNK RELEASE
	HOLD FOR 1 TO 5 SECONDS ** OTHER OPTIONS AVAILABLE SEE PROGRAM MENU GUIDE **	1	ACTIVATES AUX 5 OUTPUT FOR AS LONG AS HELD ** SEE PROGRAM GUIDE **
	HOLD FOR 3 SECONDS	ON / OFF 5 SECONDS	CAR FINDER MODE
	PRESS TOGETHER THEN RELEASE PRESS TOGETHER THEN RELEASE	1 LIGHT ONLY 2 LIGHT ONLY	SILENT ARM SILENT DISARM **NO SIREN CHIRPS**
	PRESS LOCK THEN RELEASE FOLLOWED BY PRESSING BUTTON 4 FOR 1 SECOND	1	ARMS / LOCKS AND TURNS OFF SHOCK SENSOR (FOR 1 ARM CYCLE ONLY)

\*\* PLEASE SEE OWNER'S GUIDE FOR DETAILED OPERATIONS AND FEATURES





## 2ND CAR / PAD LOCK OPERATION CHART

	1 SECOND 3 SECONDS PRESS & RELEASE THEN PRESS & HOLD	1 1 1	LOCK / ARM ALARM ACTIVATE PANIC ALARM ACTIVATE CONSTANT LOCK**
	1 SECOND 1 SECOND (WHILE ALARM IS TRIGGERED) PRESS AN HOLD FOR 3 SECONDS	2 OFF 2 + 1	UNLOCK / DISARM ALARM DEACTIVATE PANIC ALARM UNLOCK + TRUNK RELEASE
	HOLD FOR 1 TO 5 SECONDS ** OTHER OPTIONS AVAILABLE SEE PROGRAM MENU GUIDE **	1	ACTIVATES AUX 5 OUTPUT FOR AS LONG AS HELD ** SEE PROGRAM GUIDE **

## VALET MODE / EMERGENCY OVERRIDE

This feature will disable or re-enable the alarm without the use of the remote transmitter. This feature will work when alarm in either an armed, disarmed or triggered state. When the system's override had been activated, door lock and trunk features will still be operational however the alarm will be active.

## ACTIVATING / DEACTIVATING VALET MODE / EMERGENCY OVERRIDE

	Turn the Ignition Key ON (Leaving the key ON)	
	Press and hold the valet switch for 8 to 15 seconds (Time depends on "Valet Settings" Program Option)	
	5 CHIRPS = ON 2 CHIRPS = OFF	Siren will chirp 5 times to confirm Valet Mode / Emergency Override has been activate or 2 times for deactivate (If alarm was in a triggered state, the siren will shut off and park lights will stop flashing)
	ON STEADY = ON OFF OR BLINKING = OFF	The LED status light will come on "STEADY" to confirm Valet Mode is ACTIVE The LED status light will be "OFF" to confirm Valet Mode is NOT ACTIVE and system is in normal alarm operation mode.

## BASIC ALARM FUNCTIONS



## PRESS &amp; RELEASE

## ARM SYSTEM / LOCK DOORS

- 1 Press and release the Arm/ Lock button on the remote transmitter.
- 2 The park lights will flash and the siren/ horn will chirp one time.
- 3 The doors will lock and the Starter Disable will activate. (optional)
- 4 The LED will start flashing within five seconds.

Once Armed, the alarm can be triggered by the shock sensor (impact to vehicle), door inputs (opening door / hood), turning on ignition.

## NOTES:

- If a door is open or delay dome light is 30 seconds after arming, system with chirp 3 times to indicate door input is bypassed until door is closed or dome light turns off.
- If system is programmed for silent arming, siren will not chirp when arming, but park lights will still flash.
- If system is in valet mode, doors will lock, but siren will not chirp and lights will not flash. LED indicator will be on solid. See *Valet / Service Mode in this manual for further information*



## PRESS &amp; RELEASE

## DISARM SYSTEM / UNLOCK DOORS

- 1 Press then release the Disarm / Unlock button on the remote transmitter.
- 2 The park lights will flash and the siren will chirp two times.\*
- 3 The doors will unlock and the Starter Disable will deactivate. (optional)
- 4 The LEDs will stop flashing.

## NOTES:

- If the alarm was active (siren sounding), the first press of the unlock button will turn off the siren and the second press will unlock / disarm.
- Siren will chirp 3 times if alarm was triggered while armed. See *alarm diagnostics section of manual for further information*
- If system is programmed for silent disarm, siren will not chirp when disarming, park lights will flash 2 times. *Contact installer if you do not want this feature.*
- If system is in valet mode, siren will not chirp and park lights will not flash but doors will unlock. LED will be one SOLID. See *Valet / Service Mode section of manual for further information.*



## PRESS &amp; HOLD

## ACTIVATE TRUNK RELEASE

- 1 Press then HOLD the Disarm / Unlock button on the remote transmitter.
- 2 The park lights will flash and the siren will chirp two times.
- 3 The doors will unlock and the Starter Disable will deactivate. (optional)
- 4 The LEDs will stop flashing.
- 5 - Continue to HOLD until siren chirps again and trunk release activates
- 6 - Release Button

## NOTES:

- For safety, the trunk release will not active when ignition key is ON.

**BASIC ALARM FUNCTIONS****PRESS & HOLD****ACTIVATES PANIC MODE**

- 1 Press and HOLD the Arm/ Lock button for three seconds.
- 2 The doors will lock and the Starter Disable will activate. (optional)
- 3 The park lights will begin to flash and the siren will activate.
- 4 To turn off panic, press Lock or Unlock buttons on remote.
- 5 If no button is pressed, Panic Alarm will sound up to 1 minute then turn off.

Panic Mode is a personal protection feature that allows you to activate your alarm from the remote transmitter. This feature can be used to draw attention to your vehicle if you feel threatened.

**PRESS TWICE****ACTIVATES DRIVERS DOOR PRIORITY**

- 1 Press then release the Disarm / Unlock button on the remote transmitter.
- 2 The park lights will flash and the siren will chirp two times.\*
- 3 The driver's doors will unlock and the Starter Disable will deactivate. (optional)
- 4 The LEDs will stop flashing.
- 5 Press the Disarm / Unlock Button a second time within 3 seconds and the other doors will unlock.

**PRESS TOGETHER****SILENT ARM / DISARM**

- 1 Press then release the Disarm / Unlock button together with the Lock / Arm Button.
- 2 If the system is DISARMED, it will Arm and Lock with no siren chirps and 1 light flash.
- 3 If the system is ARMED, it will Disarm and Unlock with no siren chirps and 2 light flash.

**PRESS & HOLD FOR 3 SECONDS****CAR FINDER**

- PRESS & HOLD button number 4 on the remote transmitter for 3 seconds the release.
- Siren will chirp 5 times and lights will flash.

This feature helps in locating vehicle in a busy parking lot. It allows you hear and see your vehicle from a distance.

**AUX OUTPUT**

The Aux output can be programmed for a variety of custom applications. It is activated by button 3. Please check with your installation center on use and activation for this option.

## ADVANCED ALARM FUNCTIONS

## IGNITION AUTO LOCKS

This optional feature can be programmed to automatically lock the doors when the ignition key is turned to the on position then automatically unlock the doors when the ignition key is turned to the off position.

## PASSIVE ARMING

The Passive Arming feature is used to ensure that the vehicle is not left with the alarm disarmed.

**Type-1** When programmed for Passive Arming (Type-1) the system will automatically arm and lock (optional) the doors 30 seconds after the last door is closed.

**Type-2** When programmed for Passive Arming with Rearm (Type-2) the system will automatically arm and lock (optional) the doors 30 seconds after the unlock button is pressed on the remote.

## STARTER DISABLE

Starter Disable is a feature that is designed to help prevent the theft of your vehicle. When the alarm is armed the system will interrupt the vehicles starter wire thus disabling the vehicle from starting. Disarming the alarm will re-enable the start circuit and allow the vehicle to start.

## DOME LIGHT SUPERVISION

This feature is designed to turn on the interior or exterior lights of your vehicle when the Disarm/Unlock button is pressed. The light circuit will stay active for up to 30 seconds or until the ignition key is turned to the on position.

## SHOCK SENSOR ADJUSTMENTS

## 1 - ENTER SHOCK SENSOR ADJUSTMENT MODE



Press & HOLD Lock + Unlock buttons at the same time



3 CHIRPS

Continue to hold for 3-5 seconds Until Siren Chirps 3 times

(Note: System will Arm or Disarm via silent arming prior to entering adjustment mode)

## 2 - ADJUSTING SENSOR



Each time the lock button is pressed and released the sensitivity will decrease by 1 level. This is confirmed by a series of park light flashes & Siren Chirps (1 Flash / Chirp is the least sensitive setting & 10 Flashes / Chirps is the most sensitive)



Each time the unlock button is pressed and released the sensitivity will increase by 1 level. This is confirmed by a series of park light flashes & Siren Chirps (1 Flash / Chirp is the least sensitive setting & 10 Flashes / Chirps is the most sensitive)

## 3 - EXITING SENSOR ADJUSTMENT MODE



Press & HOLD Lock + Unlock buttons at the same time

(NOTE: Shock Sensor Adjustment Mode has an auto time out of 8 seconds)

**SYSTEM DIAGNOSTICS****ALARM DIAGNOSTICS**

If the alarm system is triggered, the system will retain in memory the cause of the trigger. When disarming the alarm, the siren/horn will chirp 3 times to indicate the alarm had been triggered. The system's LED will also flash in pulses to indicate which input triggered the alarm.

**Diagnostics Chart**

Siren Chirps on Disarm	LED Flashes	Diagnostic
Three Chirps	Two Flashes	Shock Sensor
Three Chirps	Three Flashes	Door/Hood Pin
Three Chirps	Four Flashes	Ignition Input
None	Off System	Disarmed
None	On Solid	System in Valet
None	Single Flashes	System is Armed
None	Rapid Flashes	Passive Arming
On/Off Mode	Rapid Flashes	Car Jack

*\*LED status will be cleared when the ignition is turned ON. For proper memory*

**OUTPUT OVERLOAD DIAGNOSTICS**

If an output from the alarm is shorted the siren will chirp 4 times and the park lights will flash 4 times when the system is armed or disarmed. The LED will flash a diagnostic code that represents the circuit that is at fault. (See Chart Below). Turning the ignition to the on then off position will reset the diagnostic code.

**Diagnostics Chart**

LED Flashes	Diagnostic
2 Flashes	Lock Output Shorted
3 Flashes	Unlock Output Shorted
4 Flashes	Trunk Output Shorted
5 Flashes	Starter Disable Output Shorted
6 Flashes	Dome Light Output Shorted
7 Flashes	AUX 5 Output Shorted
8 Flashes	2nd Unlock Output Shorted

**ADDITIONAL LED FUNCTIONS**

While the system is disarmed and the ignition is in the off position, the LEDs will activate from the following triggers.

- 1) If the door is opened the LEDs will stay on until the door is closed.
- 2) If the hood is opened the LEDs will stay on until the hood is closed.
- 3) If the shock sensor detects vibration the LEDs will turn on momentarily.
- 4) If the auxiliary sensor input is activated the LEDs will activate momentarily.