

CODE ALARM



MM1 Owner's Manual

Remote Vehicle Security and Keyless Entry System

IMPORTANT NOTE: The operation of the Security and Convenience System as described in this manual is applicable to most vehicles. However, due to the configuration of some vehicles, some functions AND/OR SAFETY PRECAUTIONS may not apply. Please see your installing dealer for more information.

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Features and Benefits

■ **Two Easy-to-Use Weather-Resistant Remote Controls**

The remote controls included the MM1 Security System utilize durable, moisture resistant cases and sealed rubber buttons for reliability and long life. Rolling code technology prevents the transmitter signals from being duplicated. The button functions are clearly labeled to make the system easy to operate.

■ **All Entrances Protected**

Opening any door or entrance protected by the security system triggers the vehicle's horn and flashes the parking lights.

■ **Starter Disable**

The MM1 Security System protects your vehicle from theft by disabling the starter when the system is armed.

■ **Interior Theft Sensor**

This sensor guards against vehicle body damage, theft of vehicle equipment (such as air bags), and personal belongings inside the vehicle.

■ **Remote Keyless Entry**

The MM1 Security System conveniently locks and unlocks the vehicle's doors and opens the trunk or hatch by remote control.*

■ **Personal Protection Features**

Remote Panic Alarm is among an array of features that enhance personal safety.**

■ **Interior Status Indicator**

The bright-red warning light is an effective visual deterrent to a would-be thief.

■ **Progressive Car Find**

Use the Car Find feature to locate your vehicle in a crowded parking lot.

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* If vehicle is equipped with power door locks and they are connected to the alarm system by your installer.

** May require additional connections, components, and/or charges. See your installer for details.

Using Your Remote Control

■ *Arming the Security System*

To arm the system, exit the vehicle, close all doors, then press the LOCK button on the remote control. The system will flash the parking lights 2 times, indicating the system is armed, has locked the doors (if equipped and connected) and activated the starter disable feature. The status indicator (red warning light) will blink steadily, once per second.

■ *Pre-arm Mode*

If the system sounds 1 time and the parking lights flash only 1 time, this indicates that the vehicle's interior light is on or an entrance is left open. Check to see that all doors hood and trunk are closed properly. Once all entrances are secured (and the interior light is off), this system will sound/flash again. The system is now fully armed. (If the entrance is not secured within 4 minutes, the system will arm and ignore the unsecured entrance until it is closed.)

■ *Disarming the Security System*

To disarm the system press the UNLOCK button. The system will flash the parking lights 1 time, and the doors will unlock (if equipped and connected).

■ *Two Stage Door Unlock (Optional)*

If this feature is enabled on your system, pressing the UNLOCK button one time on the remote control will unlock only the driver's door. Press UNLOCK again to unlock the remaining doors.

■ *Disabling/Enabling Confirmation Chirps*

This feature must be turned ON or OFF in system programming, see your installing dealer for details.

■ *Using the Progressive Car Finder Feature*

Press the CAR FIND/PANIC button on the remote control to locate your vehicle. The system will sound 5 times at low volume increasing in volume each of 3 times the button is pressed.

■ *Using the Personal Protection Alarm (Panic)*

Press and hold the CAR FIND/PANIC button on the remote control for 2 seconds to activate the personal protection alarm. The system will sound for 30 seconds. Pressing any button on the remote control will turn the personal protection alarm off.

■ *Activating the Trunk Release Feature (Optional)*

If this feature is enabled on your system, pressing and holding the UNLOCK button on the remote control for 2 seconds will open the vehicle's trunk or hatch.

*Throughout this manual, 'press' refers to pressing for less than 1 second; 'press and hold' refers to pressing for more than 2 seconds.

Using Your Remote Control, continued

Using Valet Mode

To engage valet mode:

1. Turn the ignition key ON/OFF, ON/OFF, ON/OFF.
2. The red LED will flash 2 times quickly then pause indicating that the system is in valet mode.

When valet mode is activated all security functions will be disabled.

To disengage valet mode:

1. Turn the ignition key ON/OFF, ON/OFF, ON/OFF.
2. The red LED will turn off indicating that the system has exited valet mode.

Automatic Convenience Options

The MM1 Security System performs a variety of automatic functions to enhance security and comfort. Some of these features are programmable at the time of installation. Please see the installing dealer for details.

■ Automatic Arming

The MM1 Security System will arm automatically 1 minute after the ignition is turned off. This feature can be temporarily disabled by placing the system into Valet mode. (if option is selected)

■ Ignition Lock

If all doors are closed and the vehicle's ignition is turned on, the doors will lock automatically.

■ Ignition Unlock

When the ignition is turned off, the doors will unlock automatically.

■ Silent Choice

When this feature is selected in programming, the system will arm and disarm without sounding the horn.

When Your Security System is Triggered

The MM1 Security System will trigger if one of the following events occurs while the system is armed:

- Any protected entrance is opened.
- The vehicle ignition is turned on.
- The vehicle is jolted hard enough to signal the impact sensor.

Once the alarm is triggered, the horn will sound and the vehicles parking lights will flash for 30 seconds. The system will then re-arm, awaiting the next intrusion attempt.

When Your Security System is Triggered, Continued

■ Attempted Intrusion Identification

Pressing UNLOCK after a full 30 second trigger cycle has completed, the horn will honk 4 times and the LED will flash a number of times to indicate which input triggered the alarm. Turning on the ignition or pressing the valet/override button will reset the LED flashes, pressing the valet/override button will also honk the horn to match the LED flashes before it resets.

Number of flashes:

- 1 - Interior Theft Sensor (Shock Sensor)
- 2 - Door Input
- 4 - Hood/Trunk input
- 5 - Ignition

Emergency Disarm Procedure

If your remote control is lost or fails to function, use this procedure to disarm the MM1 Security System and start your vehicle.

- 1 - Use the keys to enter the vehicle. The alarm will sound once the door is opened.
- 2 - Insert the key into the ignition and turn to the ON position.
- 3 - Locate and press the emergency override button. The alarm will turn off and then you will be able to start the vehicle.

Your Emergency Override Button is Located:

System Maintenance

■ Changing the Remote Control Battery

The 3 volt lithium battery (model CR2032) inside each remote control should last approximately 1 year under normal use. When the battery becomes weak you will notice the remote control range (the distance from the vehicle the remote control will work) deteriorate and the small LED on the remote control will dim. To replace the remote control batteries:

- 1. Gently unsnap the halves of the remote control apart using a small flat head screw driver.
- 2. Unsnap the lithium battery out of the circuit board, observing the +/- symbols on the battery and replace with a new lithium 3 volt battery (model CR2032)
- 3. Gently snap the halves of the remote control back together.
- 4. Test operation of the remote control.

System Maintenance, Continued

■ **Adding Remote Controls to Your System**

The MM1 Security System has the ability to operate from up to 4 remote controls. Follow these steps to add a remote control to your system.

1. Make sure the system is disarmed and the ignition is off.
2. Turn the ignition on.
3. Press and hold the override button. After 10 seconds the system will chirp 3 times indicating the system has entered programming mode.
4. Release the button.
5. Press the LOCK button on the remote to be programmed. The horn will sound once, indicating that the system has learned the remote.
6. Repeat step 5 for any addition remote controls.
7. Turn the ignition off to exit the programming mode.

■ **Deleting Lost or Stolen Remote Controls from Your System**

If one of your remote controls is lost or stolen, follow these steps to remove it from your system:

1. Have all of the remaining remotes available
2. Enter the remote control programming mode by following steps 1-4 from **Adding Remote Controls to Your System** shown above.
- 3a. **If you only have 1 remaining remote, press the LOCK button 4 times**, pausing for one second between each press. The horn must honk each time you press the button.
- 3b. **If you have 2 remaining remotes, press the LOCK button on each remote 2 times**, pausing for one second between each press. The horn must honk each time you press the button.
- 3c. **If you have 3 remaining remotes, press the LOCK button on the first remote 2 times and 1 time on the following 2 remotes**, pausing for one second between each press. The horn must honk each time you press the button.
4. Turn the ignition off to exit the programming mode. The lost or stolen remote will no longer operate the system.

Basic Trouble Shooting

<u>Symptom</u>	<u>Problem</u>	<u>Solution</u>
Remote does not work:	Weak or dead battery. Remote not programmed.	Change battery. Program remote.
System will not arm:	Door or entrance is open. Courtesy light is on. System is in Valet mode.	Close entrance. Turn courtesy light off. Exit Valet mode.

Code Systems, Inc.
36 Month Limited Warranty

Code Systems, Inc. (the "Company") warrants to the original purchaser of this product that should this product or any part thereof, under normal use and conditions, be proven defective in material or workmanship within 36 months from the date of original purchase, such defect(s) will be repaired or replaced with new or reconditioned product, (at the Company's option) without charge for parts or repair labor.

To obtain repair or replacement within the terms of this Warranty, the product is to be delivered with proof of warranty coverage (e.g. dated bill of sale), authorization number, specification of defect(s), transportation prepaid, to an approved warranty station. This Warranty is not transferable.

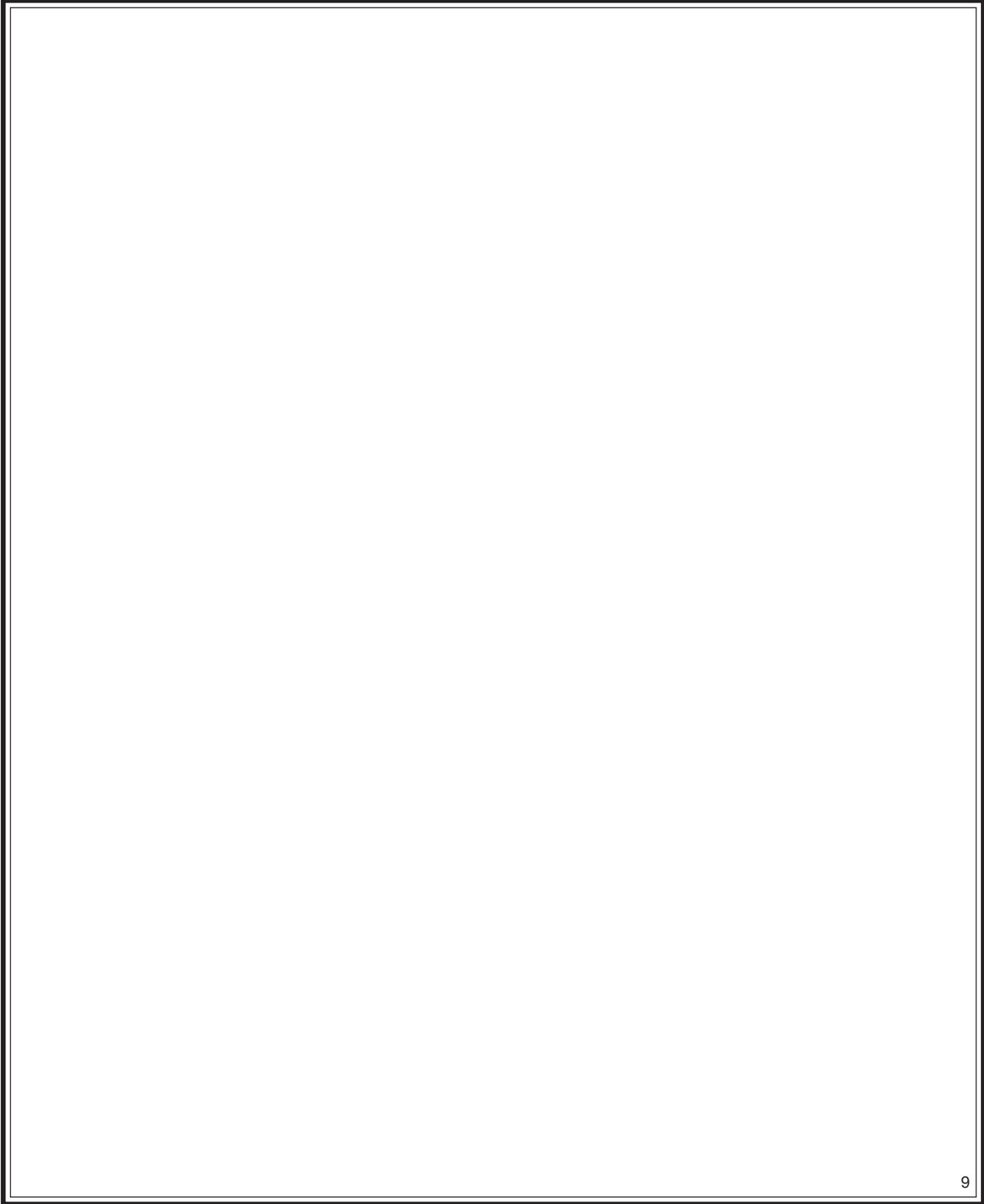
This Warranty does not cover damage to the vehicle's electrical system or costs incurred for the installation or reinstallation of the product. This Warranty does not cover batteries nor apply to any product or part thereof which, in the opinion of the Company, has suffered or been damaged through alteration, improper installation, mishandling, misuse, abuse, neglect, accident, or by removal or defacement of the factory serial number/bar code label(s).

This Warranty is in lieu of all other express warranties or liabilities. ANY IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY, SHALL BE LIMITED TO THE DURATION OF THIS WRITTEN WARRANTY. ANY ACTION FOR BREACH OF ANY WARRANTY HEREUNDER INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY MUST BE BROUGHT WITHIN A PERIOD OF 24 MONTHS FROM DATE OF ORIGINAL PURCHASE. IN NO CASE SHALL THE COMPANY BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES FOR BREACH OF THIS OR ANY OTHER WARRANTY. No person or representative is authorized to assume for the Company any liability other than expressed herein in connection with the sale of this product.

The Company does not warrant that this product cannot be compromised or circumvented. THE EXTENT OF THE COMPANY'S LIABILITY UNDER THIS WARRANTY IS LIMITED TO THE REPAIR OR REPLACEMENT PROVIDED ABOVE AND, IN NO EVENT, SHALL THE COMPANY'S LIABILITY EXCEED THE PURCHASE PRICE PAID BY PURCHASER FOR THE PRODUCT WITHOUT COST OF INSTALLATION.

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damage so the above limitations or exclusions may not apply to you. This Warranty gives you specific legal rights and you may also have other rights which vary from state to state.

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FCC COMPLIANCE

This device complies with Part 15 of the FCC rules and with RSS-210 of Industry Canada. Operation is subject to the following two conditions:

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

Warning!

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