Viper 3100V

Viper 3100V 1-Way Security System User Manual

Model: 3100V | Brand: Viper

Product Overview

The Viper 3100V in an entry level Viper security system for the budget conscious. It offers door, boot, bonnet protection and dual stage shock sensor with a standard 12 Volt siren. 2 x 3 Button remotes with two auxiliary channels. Central locking connectivity (additional parts may be required). This unit is not SmartStart compatible.

Key Features:

- **2 Stage Shock Sensor:** Detects impacts and vibrations, providing escalating alerts.
- **Door, Bonnet & Boot Protection:** Secures all entry points of the vehicle.
- **Engine Immobilization:** Prevents the engine from starting without authorization.
- **Parking Light Flash (Arm, Disarm & Trigger):** Visual confirmation of system status and alerts.
- **Keyless Entry:** Convenient remote locking and unlocking of vehicle doors.

What's in the Box



Figure 1: Main components of the Viper 3100V Security System.

- Alarm Brain (Control Module)
- Horn (Siren)
- Two (2) Remote Controls
- Wiring Harness
- User Manual (this document)

Setup and Installation

The Viper 3100V Security System requires electrical wiring and integration with your vehicle's existing systems. Due to the complexity of automotive electrical systems and to ensure proper functionality and vehicle safety, **professional installation is highly recommended.** An authorized Viper dealer or a certified automotive electronics technician possesses the necessary tools, knowledge, and experience to install this system correctly.
If you choose to perform the installation yourself, ensure you have a comprehensive understanding of your vehicle's wiring diagrams and automotive electrical principles. Always disconnect the vehicle's battery before beginning any electrical work. Refer to the detailed wiring diagram provided with your system for specific connections.



Figure 2: Viper 3100V control module and wiring harness detail.

Initial Setup:

1. **System Placement:** Mount the alarm brain securely in a hidden, dry location within the vehicle, away from excessive heat or moisture.
2. **Siren Mounting:** Install the siren in the engine bay, facing downwards to prevent water accumulation, and away from hot engine components.
3. **Wiring Connections:** Connect the wiring harness to the alarm brain and integrate it with your vehicle's power, ground, ignition, door triggers, and other necessary circuits as per the wiring diagram.
4. **Shock Sensor Adjustment:** The dual-stage shock sensor sensitivity may need to be adjusted after installation. This is typically done via a dial on the sensor itself or through programming steps.
5. **Remote Pairing:** Follow the instructions in the full installation guide to pair the remote controls with the system.

Operating Instructions

The Viper 3100V system is operated primarily using the included 3-button remote controls. Familiarize yourself with the button functions for optimal use.

Remote Control Functions:

- **Lock Button ( ):** Press once to arm the security system and lock the vehicle doors. The parking lights will flash once, and the siren will chirp once (if enabled).
- **Unlock Button ( ):** Press once to disarm the security system and unlock the vehicle doors. The parking lights will flash twice, and the siren will chirp twice (if enabled).
- **Auxiliary Button (AUX):** This button can be programmed for various functions, such as trunk release or controlling other accessories. Refer to your full installation guide for specific programming details.
- **Panic Mode:** Press and hold the Lock button for approximately 3 seconds to activate the panic alarm. The siren will sound, and parking lights will flash. Press any button on the remote to deactivate.

System Status Indicators:

- **Parking Light Flashes:**
  - One flash: System armed.
  - Two flashes: System disarmed.
  - Continuous flashing: Alarm triggered.
- **Siren Chirps:**
  - One chirp: System armed.
  - Two chirps: System disarmed.
  - Three chirps: Warn-away (light impact detected).
  - Full siren: Alarm triggered.

Maintenance

Regular maintenance helps ensure the longevity and reliable operation of your Viper 3100V Security System.

Remote Control Battery Replacement:

The remote controls are powered by CR2 batteries. If the remote's range decreases significantly or it stops responding, the battery may need replacement.

1. Carefully open the remote control casing, typically by prying along the seam with a small flat-head screwdriver or a plastic tool.
2. Note the orientation of the existing battery.
3. Remove the old CR2 battery and insert a new one, ensuring correct polarity.
4. Snap the remote control casing back together securely.

General Care:

- Keep the control module and siren free from excessive dirt, dust, and moisture.
- Avoid exposing remote controls to extreme temperatures or direct water immersion.
- Periodically check wiring connections for any signs of wear or corrosion, especially if the system was self-installed.

Troubleshooting

If you encounter issues with your Viper 3100V Security System, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
System does not respond to remote.	Dead or low remote battery; remote out of range; system fuse blown; remote not paired.	Replace remote battery. Move closer to the vehicle. Check system fuse. Re-pair remote (refer to installation manual).
Alarm triggers without apparent reason (false alarms).	Shock sensor too sensitive; faulty door/bonnet/boot pin switch; loose wiring.	Adjust shock sensor sensitivity (reduce). Inspect and test all pin switches. Check all wiring connections for security.
Siren is quiet or does not sound.	Siren wiring issue; faulty siren; system in silent mode.	Check siren connections. Test siren directly if possible. Ensure silent arm/disarm mode is not active.
Keyless entry not working.	Central locking wiring issue; vehicle's central locking system fault.	Verify central locking connections to the alarm module. Consult a professional if vehicle's central locking is suspected.

For persistent issues or problems not listed here, it is recommended to contact a professional installer or Viper customer support.

Specifications

Attribute	Detail
Brand	Viper
Model Number	3100V
Product Dimensions	7.3 x 5.3 x 4.7 inches

Attribute	Detail
Item Weight	1.48 pounds
Batteries Required	1 CR2 batteries (for remotes, included)
Maximum Range	366 Meters
Noise Level (Siren)	69 dB
Color	Black
Manufacturer	Directed Electronics Inc

Warranty and Support

For information regarding product warranty, please refer to the warranty card included with your Viper 3100V Security System or visit the official Viper website. Warranty terms and conditions may vary.
For technical support, installation assistance, or service inquiries, please contact your authorized Viper dealer or Directed Electronics Inc. customer support. Contact information can typically be found on the manufacturer's website or in the product packaging.
Note: Unauthorized installation or modification of the system may void the product warranty.

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