



**Model AS-9950**

Owner's Manual

## **Starter Interrupt System**

**Congratulations!** Your purchase of this state-of-the-art security system expresses a deep concern for the security of your vehicle, its contents, and passengers. To fully appreciate the many functions and safeguards incorporated in this system, please spend a few minutes reading this manual. You may find unexpected features that could mean the difference between “protected” and “fully protected”.

### ***FEATURES :***

- ◆ Quick Disconnect Relay Sockets
- ◆ Flashing Red LED Light
- ◆ Pre-Wired Valet Toggle Switch
- ◆ Low Current Draw
- ◆ Optional Negative Horn Output (Requires Additional Relay)
- ◆ Positive Siren Output for Optional Siren
- ◆ Override Switch Can Be Any 12 Volt On/Off Switch Existing in the Vehicle (Brake Light, Parking Light, Turn Signal, Window Roll Up, etc.)
- ◆ Passive Arming

## **STARTER INTERRUPT SYSTEM**

**The Starter Interrupt System** automatically prevents your vehicle from being started after your ignition key is turned off. As an option, if an attempt is made to start the vehicle, the horn or a siren will be activated if so equipped, until the AS-9950 is disarmed if using positive output. Using the negative output, the siren will turn off the moment the potential thief stops cranking the starter.

### **OPERATION**

#### **TO ARM SYSTEM:**

When the ignition key is turned to the "off" position, the starter interrupt system is enabled which is confirmed by a continuously flashing red LED. The system has a low current draw (less power than your vehicle's clock).

#### **TO DISARM SYSTEM:**

Turn your ignition key to ignition position. Turn your secret switch on and off. The system will disarm, confirmed by the red LED turning off. The vehicle will now start as long as the ignition key is in the "on" position.

#### **VALET SWITCH:**

Turn "off" the hidden toggle switch to allow vehicle to start during extended stop overs such as the service station, washing, valet parking, etc. Turn "on" the hidden toggle switch to allow the passive arming operation to continue.

### **INSTALLATION**

Two relays plugged in on the sockets of the relay harness are required to operate this system's starter interrupt, LED and positive output trigger. One relay can be plugged in the optional socket location and used for the negative horn output. This optional relay is to be plugged in only if you want a negative output for horn activation when a theft attempt is made.

#### **MOUNTING VALET SWITCH:**

Find a location in an accessible, but hidden area of the passenger compartment to mount the toggle switch. Drill a 1/4" hole in the chosen area and secure the toggle switch with the hardware provided.

#### **MOUNTING RED FLASHING LED INDICATOR LIGHT:**

Drill a 3/8" hole. Pull the LED light out of the housing from the backside, and slide the housing through the 3/8" hole. Now push LED light back in to the housing.

## WIRING

### **THIN RED WIRE FROM FLASHING LED LIGHT:** (12 Volts Positive Input)

This wire supplies a constant positive 12 volts to operate the LED. The connection should be made to a location that has a constant positive 12 volts at all times.

### **BLACK WIRE FROM VALET TOGGLE SWITCH:** (Ground Input)

This wire provides a path to ground for all the circuits on AS-9950. This wire should be secured to the metal ground frame of vehicle or directly to the battery ground terminal. *Make sure to scrape away all dirt and grease to get good ground connection.*

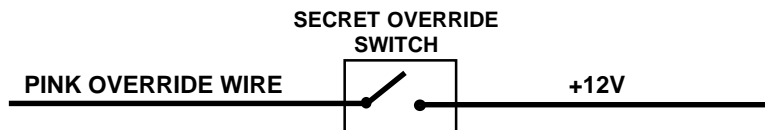
### **YELLOW WIRE FROM AS-9950:** (Ignition 12 Volt Input)

When the ignition key is in the "off" position, the starter interrupt function is enabled preventing the vehicle from being started again. When ignition key is in the "on" position, applying 12 volts to the secret switch circuit will disable starter interrupt function. This will allow the vehicle to be started. Connect this wire to an ignition wire in the car which has 12 volts in the on and crank positions of the ignition key and 0 volts when the key is off.

### **PINK WIRE FROM AS-9950:** (To Secret Override Switch)

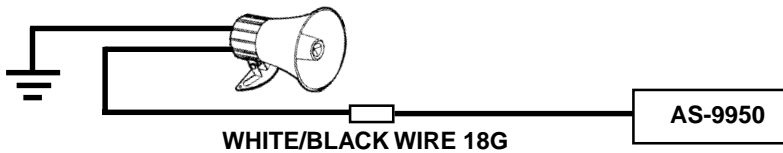
When the ignition key is in the "on" position, momentarily applying positive 12 volts to this wire will override the starter interrupt function allowing the vehicle to be started. Once the ignition key is turned to the "off" position, the starter interrupt function will automatically be enabled, preventing the vehicle from being started. This wire can be connected in two manners. Refer to option A or B.

- A) Connect this wire to any on/off switch that when in the "on" position, positive 12 volts is applied. Some examples are the brake light switch, parking light switch, positive type doorlock switch, window roll up switch, turn signal switch, etc. Using an existing switch eliminates the need to install another switch in the vehicle.
- B) Connect this wire to any additionally installed momentary pushbutton switch that when in the "on" position, supplies positive 12 volts.



**WHITE/BLACK WIRE (18 GAUGE) FROM AS-9950: (Positive Horn/Siren Output)**

Positive Horn/Siren output: When an attempt is made to start the vehicle the optional horn/siren will be activated the moment you start cranking the starter and will stop sounding the moment you stop cranking the starter.



**WHITE/BLACK (12 GAUGE) AND BLACK WIRE (12 GAUGE) FROM AS-9950: (Ignition Key Starter Solenoid Wires)**

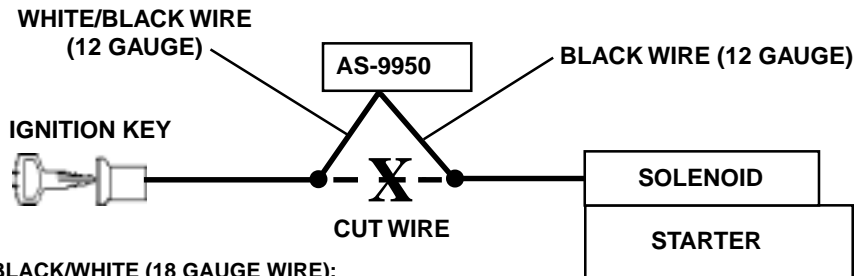
**BLACK (12 Gauge Wire )**

When in the disarmed condition this wire supplies positive 12 volts to the vehicle's starter relay allowing the vehicle starter to engage. Refer to White/Black for connection information.

**WHITE/BLACK (12 Gauge)**

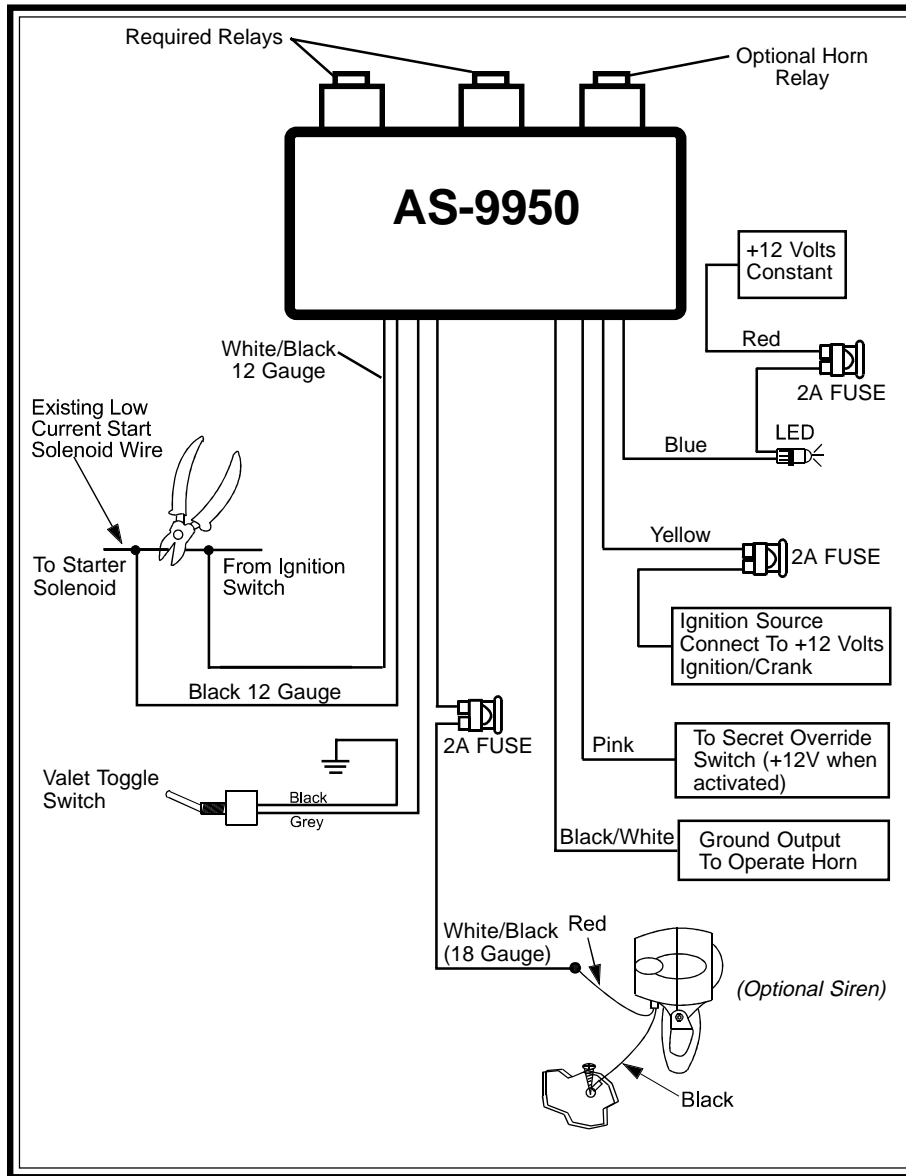
When in the armed condition this wire supplies positive 12 volts to a relay which prevents the starter from engaging. This wire also supplies positive 12 volts from the white/black wire to the optional horn/siren output while attempting to engage the starter.

The wire is connected by cutting the wire from the ignition key going to the starter solenoid. This wire contains 12 volts only when ignition key is in the "Start" position. Connect the white/black wire (12 Gauge) to the wire from the ignition key and connect the black wire (12 Gauge) to the remaining cut wire going to the starter solenoid.



**BLACK/WHITE (18 GAUGE WIRE):**

This wire provides ground to sound the vehicle's horn when unauthorized attempts to start the vehicle are made when the system is armed. Connect this wire to the negative horn trigger of the vehicle. This wire will provide an output only if the optional relay is installed into its socket in the relay harness.





#### 12 MONTH LIMITED WARRANTY

*Applies to control modules, relays,  
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