BLACK WIDOW
VEHICLE SECURITY SYSTEMS

BW1700
VEHICLE SECURITY SYSTEM

INSTALLATION MANUAL

Before you begin installation

• Read the INSTRUCTIONS!

• Always use a multi-meter when verifying vehicle wiring.

• Before mounting, verify the customer's desired location for the valet switch and LED.

• Always look before drilling. Make sure you will not damage vehicle hoses, electrical looms or exterior body panels.

Installation Notes

• Make all wiring connections to the vehicle before connecting the harness to the main unit.

• Mount the main unit in a secure area, away from vehicle computers and heating/air conditioning ducts. The location should be convenient for your installation, but hidden from thieves. Mount the unit as far away from metal objects as possible to increase the range of the remote transmitters. Do not install the main unit in the engine compartment.

• When running the harness wires through the vehicle, be careful to run them where they cannot be damaged or shorted. Keep them away from any moving parts or areas of high heat. Use rubber or plastic grommets to protect the harness wires where they pass through holes in metal panels.

• Secure the shock sensor to the steering column, thick wire harness or a dash brace, using a wire tie. Make sure that the adjustment screw is accessible for later testing and adjustment.

8-Pin Harness:

• VIOLET WIRE - Auxiliary output (-) 300mA. Connect to an optional relay for trunk release, etc.

• ORANGE WIRE - Siren output (+) 1A. Connect to the siren's red wire. Connect the siren's black wire to ground.

• BLACK/YELLOW WIRE - Armed Output (-) 300mA. Connect to a relay for optional starter defeat (See installation diagrams).

• BLACK/WHITE WIRE - Negative door trigger (-). Connect to the door switch circuit wire that shows ground when the door is open.

• PINK WIRE - +12V Ignition input. Connect to the main ignition wire at the ignition switch harness that shows +12V when the ignition is on and while cranking.

• WHITE WIRE - Unlock output (-) 300mA.

• BROWN WIRE - Lock output (-) 300mA.

• BLACK WIRE - Ground input (-). Connect to a solid chassis ground that is clean and free of paint.

2-Pin Harness:

• YELLOW WIRES - Parking Light output (+) 7A relay. For vehicle's with a single parking light circuit, connect one YELLOW wire to the vehicle's parking light wire and insulate the other YELLOW wire. For vehicle's with independent left and right parking light circuits, connect one YELLOW wire to each side circuit. NOTE: Do not connect to the vehicle's headlight circuit.

• RED WIRE - +12V Battery input. Connect the red wire to a constant +12V source.

Plug in Connectors

2-Pin Red Connector: Plug-in connector port for LED. Mount LED in an area where it may be easily seen from either side of the vehicle.

3-Pin White Connector: Plug-in connector port for dual stage shock sensor.

2-Pin Blue Connector: Plug-in connector port for valet switch. Mount switch in an area that is easily accessible from the driver's seat.

Programming Jumpers

Note: Before changing any jumper settings, completely remove power from the unit by disconnecting the main harness.

To change the jumper settings, carefully slide out the removable jumper cover on the module. Make the appropriate adjustments noting that a jumper covering two pins is "On" and a jumper covering one pin is "Off".

Jumper Settings

1. Arming Mode. Select between manual arming (Active) or automatic arming (Passive) with Automatic Rearming.

2. Passive Locking. Enables the doors to auto lock with Auto Rearm and Passive Arming.

3. Door Lock Pulse Width. Selects between a 1-second or 3-second output for vehicles equipped with vacuum door locking systems.

4. Ignition Locking. Automatically locks and unlocks the doors with the ignition.

Sensor Test Mode

The Sensor Test Mode allows shock sensitivity adjustment without arming the system.

To enter Sensor Test Mode:

1. Turn the ignition on.
2. Press the Valet switch 5 times and hold on the last press for 3 seconds.
   - The parking lights will flash once.
3. Turn off the ignition.
4. Test the shock sensitivity.
   - The system's LED will flash each time the sensor detects an impact.
5. Adjust sensor as desired.
6. Press transmitter Button 1 to exit when finished.

Adding Transmitters

To add a new transmitter to the system have the desired transmitters ready (maximum two) and follow the Code Learning sequence.

To enter Code Learning Mode:

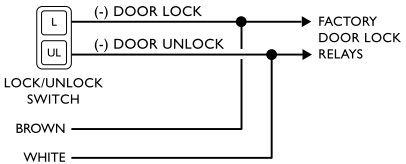
1. Turn the ignition on.
2. Press the Valet switch 3 times and hold on the last press for 3 seconds.
   - The parking lights will flash twice.
3. Press transmitter Button 1.
   - The parking lights will flash four times.
4. Repeat step 3 for each additional transmitter.
5. Turn off the ignition.

Jumper Settings

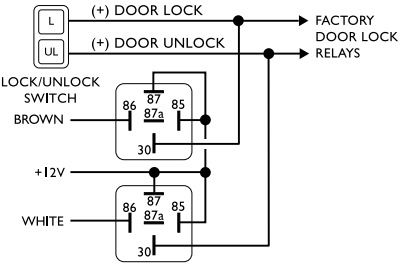
#	Function	Jumper "Off"	Jumper "On"
1.	Arming Mode	Active	Passive
2.	Passive Locking	Disabled	Enabled
3.	Door Lock Pulse Width	1 second	3 seconds
4.	Ignition Locking	Disabled	Enabled

DOOR LOCK WIRING DIAGRAMS

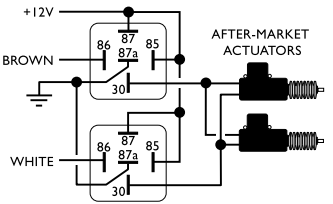
NEGATIVE PULSE LOCK SYSTEM



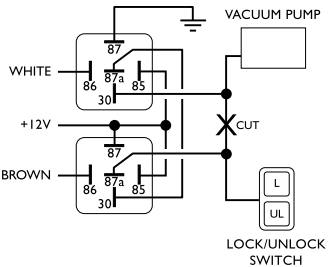
POSITIVE PULSE LOCK SYSTEM



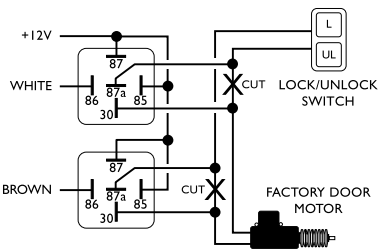
ADDING ACTUATORS



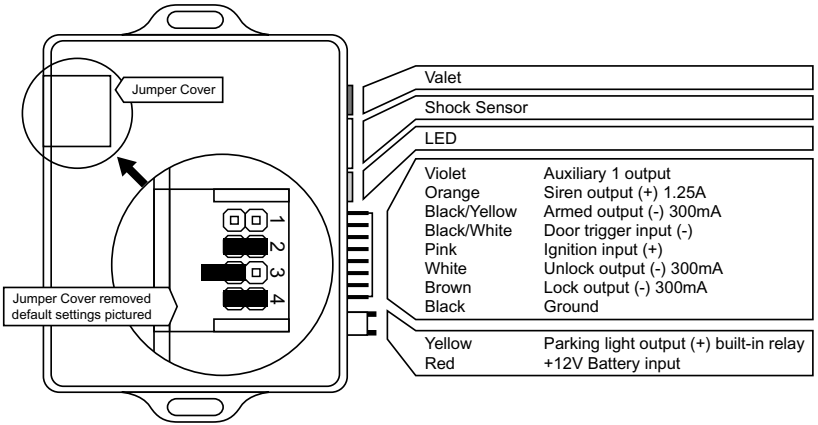
VACUUM LOCK SYSTEM



REVERSE POLARITY LOCK SYSTEM

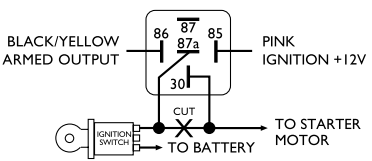


WIRING DIAGRAM

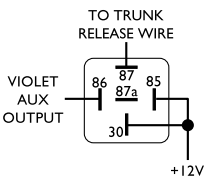


RELAY WIRING DIAGRAMS

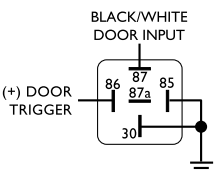
STARTER DISABLE



TRUNK RELEASE



POSITIVE DOOR TRIGGER



© 2003 DLC, INC.