

## VRPS100

## Back-Up Alarm

Dear Customer,  
CONGRATULATIONS. The VRPS100 Back-Up Alarm, when used as described, will give you years of dependable service in your car, truck, RV or mini-van. We have taken numerous measures in quality control to ensure that your product arrives in top condition, and will perform to your satisfaction. In the rare event that your VRPS100 Back-Up Alarm contains a damaged or missing item, does not perform as specified, requires warranty service or you have an installation problem, **DO NOT RETURN THIS PRODUCT TO THE STORE. PLEASE CALL OUR TOLL FREE NUMBER FROM THE U.S.A. AND CANADA (800-445-1797)** and ask to speak with a member of our technical service team, or submit your questions by e-mail our web site vr-3.com, and a member of our technical service team will respond by e-mail to your questions. Our in-house technical service team will expedite delivery of your part, advise you on installation, or help troubleshoot a problem with you. If your product needs warranty service, our technical service team representative will help you obtain the fastest remedy possible under the warranty.

## Before You Install

Automotive electronic equipment installations can be challenging at times, even to the most experienced of installation technicians. If you are not confident working with electrical wiring, removing and reinstalling interior panels, carpeting, dashboards or other components of your vehicle, please call our Toll-Free help line 1-800-445-1797 and our in-house technical service team will answer your installation questions.

Contact the vehicle's manufacturer for vehicle specific instructions, or consider having the VRPS100 installed by a qualified automotive electronics installation technician.

Temporarily unroll the tape until the entire inside of the bumper has been covered from side to side, do not wrap the Sensor Antenna around the sides of the bumper cover. **Do not remove the backing paper from the adhesive side at this time.**

Layout the Control Module and Alarm Horn where you intend to install them, then check the following;

Is the length of the wires sufficient to complete the installation on the vehicle?

Is there a clean, smooth surface behind the bumper that permits mounting with a 1.25" clearance to attach the antenna Foil? Keep the Sensor Antenna away from any metal parts.

**Always clean the inside of the bumper cover before installing the antenna.**

Is there a suitable, smooth surface to mount the Control Module and Alarm?



**GIVE US A CALL, WE'LL HELP YOU INSTALL.**

**PLEASE DO NOT RETURN PRODUCT TO STORE.**

Visit us on the WEB

**www.vr-3.com**

For Information and Technical Assistance,  
Call Toll-Free in U.S.A. and Canada.

**1-800-445-1797**

## Parts



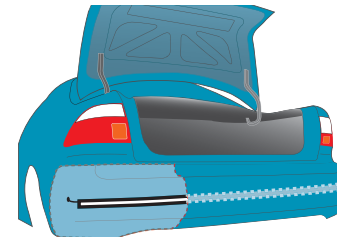
**THE BACK OF THE BUMPER COVER MUST BE CLEAN AND DRY BEFORE MOUNTING THE FOIL. THE ADHESIVE BACKED FOIL WILL NOT STICK TO DIRT AND GRIME.**

## Installation

### Inside the Bumper Cover

After you have followed all the guide lines in the "Before you Install" section. Do not wrap the Sensor Antenna around the sides of the bumper cover. If you have a Solid Bumper or a Metal Bumper see the next section.

1. Thoroughly **CLEAN the INSIDE surface of the bumper with the supplied alcohol wipes to ensure that the foil tape will properly adhere to the plastic surface.**
2. Take the end of the Antenna Foil with the spade connector and peel a few inches of the backing paper off.
3. Apply the end of the Antenna Foil with the spade connector near the area where the black wire will come through.
4. Adjust the Antenna Foil to line up across the inside of the bumper cover, then continue to pull the backing paper from the Antenna Foil as you press the Antenna Foil against the bumper cover.



Cutaway View to Show The Antenna's Position Inside the Bumper Cover

### Outside the Bumper Cover (or for Metal or Solid Bumpers)

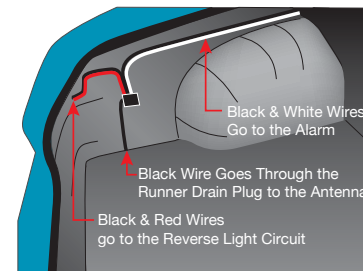
After you have followed all the guide lines in the "Before you Install" section. Do not wrap the Sensor Antenna around the sides of the bumper.

1. Thoroughly **CLEAN the OUTSIDE surface of the bumper with the supplied alcohol wipes to ensure that the foil tape will properly adhere to the plastic surface.**
2. Take the end of the Antenna Foil with the spade connector and peel a few inches of the backing paper off.
3. Apply the end of the Antenna Foil with the spade connector near the area where the black wire will attach to the antenna.
4. Adjust the Antenna Foil to line up across the inside of the bumper cover, then continue to pull the backing paper from the Antenna Foil as you press the Antenna Foil against the bumper cover.

### Inside the Trunk

After you have followed all the guide lines in the "Before You Install" section.

1. Clean the mounting area you've chosen with the supplied alcohol cleaning wipes, then peel the paper backing from the back side of the Control Module and mount it.
2. If you do not want to drill a hole, remove a rubber drain plug in the trunk area. Pass the black wire of the Control Module through from the trunk.
3. Connect the black wire from the control module to the end of the Antenna Foil.
4. Clean the mounting area you've chosen for the Alarm Horn with rubbing alcohol, then peel the paper backing from the back side of the Alarm and mount it. Insert the plug into the jack on the Main Module
5. Connect the Red wire of the Alarm Horn to the 12 Volt (+) Positive wire of the Reverse lamp with the supplied red Scotch-Lok connector.
6. Connect the Black wire of the Alarm Horn to the 12 Volt (-) Negative wire of the Reverse lamp with the supplied red Scotch-Lok connector, or to chassis ground.



### Scotch-Lok® Instructions



Insert the existing wire to be tapped.



Insert the wire to be attached.



Crimp tap with pliers, then close lock

You do not need to use the Scotch-Lok™ connectors. The Back-Up Alarm can be wired directly to the reverse light circuit by stripping the reverse light wires then twisting the Back-Up Alarm's wires to the exposed reverse light wires. Once connected, wrap with electrical tape. Do not attempt this if you are not knowledgeable with electrical installation practices.

## Installation

### Testing the VRPS100

To Safely test the VPS100 the vehicle's engine **MUST BE OFF** and the parking brake must be engaged.

1. Turn the vehicle's ignition key to the ON position, but do not start the engine.
2. Place the vehicle's transmission in reverse gear.
3. Stand about 6 feet away from the bumper and slowly approach the vehicle.
4. At distances from 27.5 to 15.75 inches, you will hear a fast beep. At distances from 15.75 to 8.0 inches. When you hear a continuous beep.

## Frequently Asked Questions

### Q. Will the Back-up Sensor prevent me from hitting any object behind my car?

A. NO! The Back-up Sensor is only a warning device. If you back up too fast, or your reaction time is slow, you could still strike an object.

### Q. Does weather affect the sensitivity of the Back-up Sensor?

A. YES! Rain can reduce the detection range slightly.

### Q. Does the Back-up Sensor require any routine maintenance?

A. NO! Once properly installed, the Back-up Sensor should supply years of trouble free service.

## Limited Warranty

VIRTUAL REALITY VIDEO LABS® products are designed and manufactured to provide a high level of trouble-free performance. VIRTUAL REALITY VIDEO LABS® warrants, to the original purchaser, that its products are free from defects in material and workmanship for 30 days from the date of original purchase. As part of our commitment to product excellence, VIRTUAL REALITY VIDEO LABS and/or its affiliates routinely improve the designs, materials or production methods of its existing products. Because it is impractical to publicize all changes in every product, we reserve the right to make such changes without notice.

### CONDITIONS OF WARRANTY:

If during the 30 day warranty period your new product is found to be defective, VIRTUAL REALITY VIDEO LABS will repair such defect, or replace the product, without charge for parts or labor subject to the following conditions:

1. All repairs must be performed by VIRTUAL REALITY VIDEO LABS and/or its affiliates in Eatontown, New Jersey.
2. The equipment must not have been altered or been damaged through negligence, accident, or improper operation.
3. The replacement of parts are exempted from this warranty when replacement is necessary due to normal wear and tear.
4. All warranty claims must be accompanied by a copy of the sales receipt or bill of sale.
5. Repair or replacement parts supplied by VIRTUAL REALITY VIDEO LABS under this warranty are protected only for the unexpired portion of the original warranty.
6. In the case of car stereos, this warranty does not extend to the elimination of car static or motor noise; correction of antenna problems; costs incurred for the removal or reinstallation of the product; damage to tapes, speakers, accessories or car electrical systems.
7. VIRTUAL REALITY VIDEO LABS will not be responsible for any charge incurred for installation.

### OWNER'S RESPONSIBILITIES:

VIRTUAL REALITY VIDEO LABS will make every effort to provide warranty service within a reasonable period of time. SHOULD YOU HAVE ANY QUESTIONS ABOUT SERVICE RECEIVED, OR IF YOU WOULD LIKE ASSISTANCE IN OBTAINING SERVICE, PLEASE CALL TOLL FREE 1-800-445-1797, 8:30am - 4:30pm EST.

In order to provide you with the proper warranty service, we request that you adhere to the following procedure:

1. Include a copy of your sales receipt or bill of sale with your unit when it is returned for warranty service.
2. If it is necessary to return your product for service, please return it securely packed, preferably in the original shipping carton, and freight and insurance prepaid to the following address: VIRTUAL REALITY VIDEO LABS, Service Department, 41 James Way, Eatontown, New Jersey 07724.
3. Please include a detailed explanation of the problem you are having.
4. If your product is found by VIRTUAL REALITY VIDEO LABS to have a defect in material or workmanship, within the warranty period, it will be repaired or replaced at no charge and returned to you prepaid. Where permitted by law VIRTUAL REALITY VIDEO LABS liability shall be limited to that set forth in this warranty. This warranty shall be the exclusive remedy of the purchaser.

VIRTUAL REALITY VIDEO LABS® makes no other warranty of any kind, expressed or implied; and all implied warranties, are hereby disclaimed by VIRTUAL REALITY VIDEO LABS and excluded from this warranty, VIRTUAL REALITY VIDEO LABS and/or its affiliates, the manufacturer, distributor and seller shall not be liable for any injury, loss or damage, incidental or consequential, arising out of the use or intended use of the product.

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