

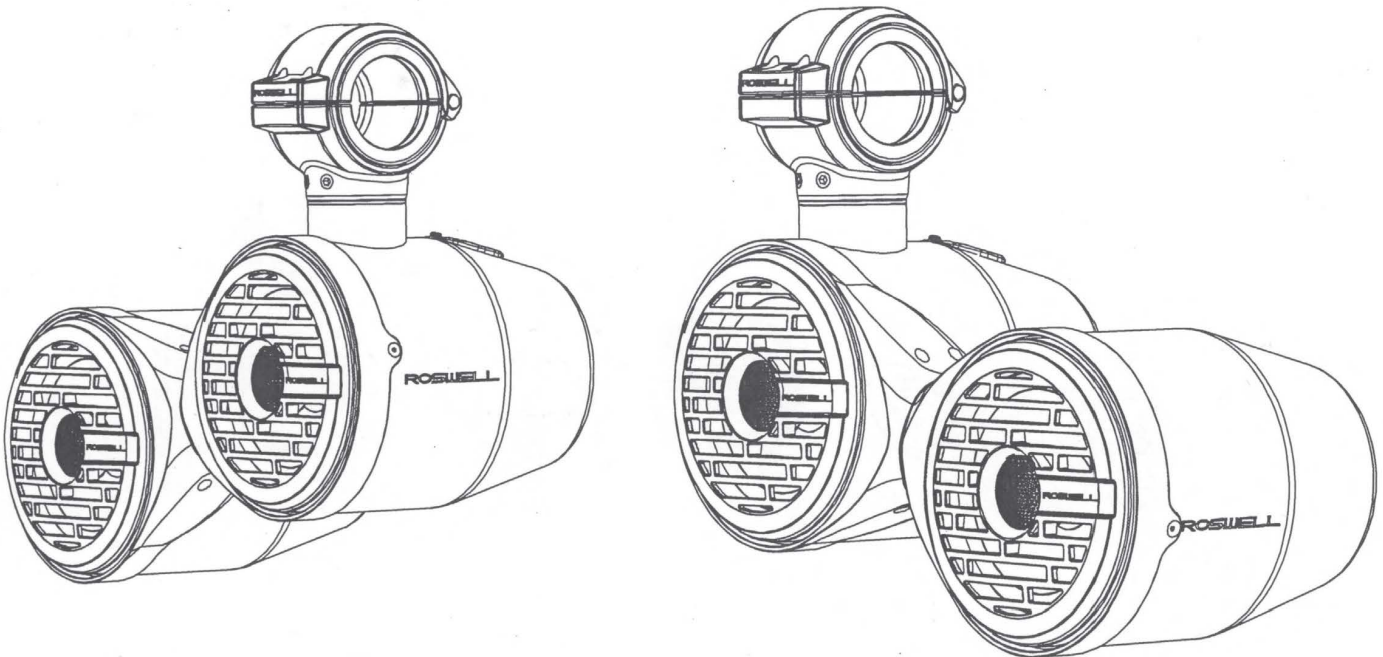
ROSWELL.

www.roswellmarine.com

R1

6.5 x 6.5" Vamp Spin Speakers

Installation & Usage Instructions



Part # C920-1821

Information: info@roswellglobal.com

If you have any questions please call : 1-321-638-1331



ROSWELL.

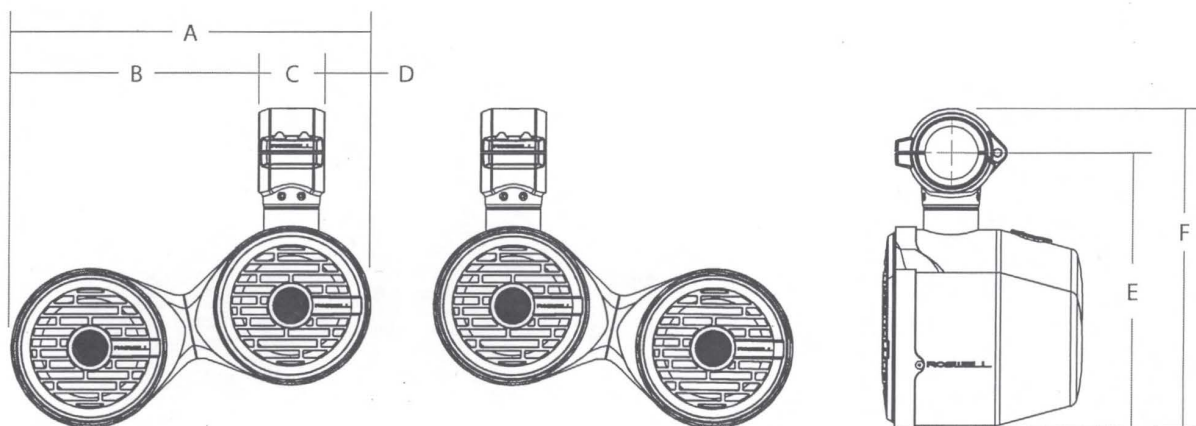
Welcome to the family.

Thank you for purchasing the best marine speakers in the world. Roswell's classic Vamp Spin speakers are back and better than ever, featuring our premium R1 speakers, RGB LED's, and other improvements that will help your new Vamp Spins look, sound, and hold up better than ever before. We at Roswell started a revolution in the wakeboard industry back in 1998, and have since expanded into marine audio and other branches of the marine industry. Even now, nearly 20 years later, we continue to push the boundaries.

We are fully committed to going past industry expectations every day to make your boating experience more enjoyable. With the input of our dealers, team riders, and boaters around the world, our goal remains to redefine the marine industry day in and day out. We will not be confined to our desks; we are out on the water testing our full line of products to ensure your days on the water are as hassle-free and enjoyable as possible.

The all-new Vamp Spin is simply the latest iteration of that commitment. Thanks again for choosing Roswell and keep an eye out for more dominating technology throughout the season.

If you have any questions about your speakers or questions regarding installation, please contact your authorized Roswell dealer. If you have further questions, please don't hesitate to contact us directly at (321)-638-1331 or by emailing info@roswellmarine.com.



FEATURES

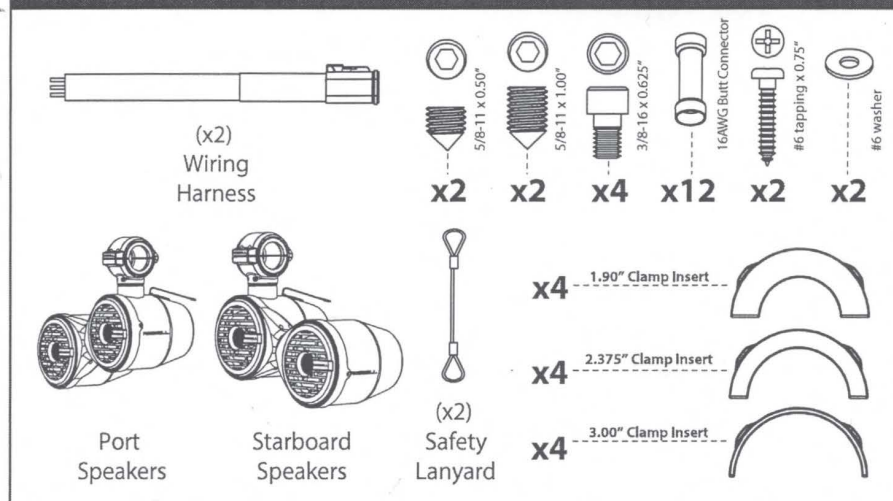
- Incredible sound quality from the R1 6.5" speaker
- Billet machined Roswell 3" clamp with 1.90", 2.375" and 3.00" adapters
- RGB LEDs are compatible with Roswell RGB LED controller for fully customizable lighting
- Laser etched logos
- 180° rotation of outer speakers

Description

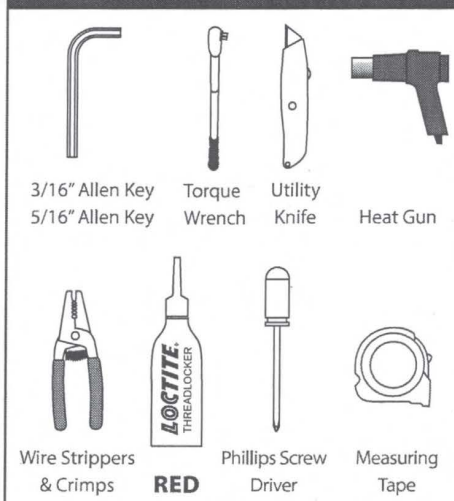
Dimension

A (Overall Width)	16.375" / 416mm
B (Outboard Extension)	11.272" / 286mm
C (Clamp Width)	2.975" / 76mm
D (Inboard Extension)	2.103" / 53mm
E (Drop from Tube Center)	12.567" / 319mm
F (Overall Height)	14.592" / 371mm

PACKAGE CONTENTS



TOOLS & SUPPLIES NEEDED



Preparation

Tower and boat Wiring (not included)

- For safety, turn off the audio system and battery switch prior to beginning installation. If your vessel does not have a battery switch, simply disconnect the positive lead from the battery terminal and wrap the end of the wire in electrical tape.
- Use extreme caution before cutting and drilling holes to avoid damaging fuel lines, hydraulic lines, or existing electrical components. Avoid running wires near sharp edged surfaces. Never run wires exposed on the deck, protecting the wires with a cover offers the best protection from marine elements. If wires must be routed through metal or fiberglass walls, use rubber grommets to protect the wire.
- Roswell recommends using 16 gauge wire for the audio connections and 18 gauge wire for the 12-volt LED connections.
- You will need to supply a length of positive and negative 16 gauge speaker wire to run from your speaker mounting locations to your amp or head unit. Connections to either an amp or head unit are your responsibility to provide.

12-Volt LED Wire (not included)

- Note:** Consider how you would like to use the integrated RGB LED before you begin installation. It can either be hard-wired to one of 7 different colors or you may purchase an LED controller to allow any combination of colors and patterns (see next page for details).
- If you are hard-wiring the RGB LED's on these speakers, you will need (1) 18 gauge power and (1) 18 gauge ground wire from the speaker mounting locations to your power source.
- If you are using an RGB LED controller, you will need to run (1) 18 gauge power and (3) 18 gauge ground wires from the speaker mounting locations to your LED controller. Refer to the RGB LED controller instructions for further information.

Positioning

- We suggest mounting your speakers on the rear crossbar of your tower facing backwards. Many people position them further to the sides of the tower to have more headroom when moving around inside the boat. Make sure you have enough clearance around the rotating speaker so that it won't come into contact with anything throughout its 180 degrees of travel.

Wire Routing

- Consider how you will route your wires before you begin your installation. Because each boat and tower setup is different, there are no specific instructions for wiring the tower – generally most people will run the wires internally through their tower. Alternatively, some people choose to run their wires outside the tower using zip ties or another attachment system. The choice is yours.
- All wiring should be done by a qualified marine technician.

Tubing Size

- These speakers include three different inserts for the tubing clamp: 3.00", 2.375" and 1.90". If your tower requires a clamp insert not provided please contact Roswell at 1 (321)-638-1331 for optional inserts. Alternative sizes available are: 2.85", 2.50" and 2.25"

WARNING

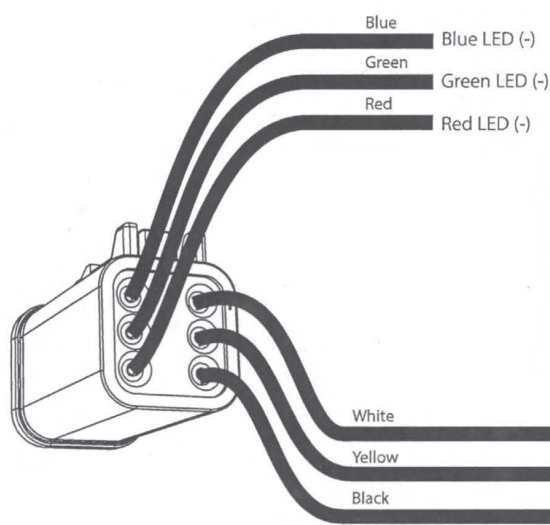
- These speakers are capable of easily producing sound pressure levels (SPL) in excess of 100 dB, even in an open-air environment like a boat. Sound pressures at or above these levels can easily cause permanent hearing damage or loss. Be sure to use safe listening practices and protect your ears.
- Roswell recommends audio components be professionally tuned for optimal performance and lifespan. Improper tuning can damage speakers and IS NOT covered by warranty. A professional audio installer can make your system more efficient, durable and provide a better sounding system.

Wiring options for RGB LEDs

Before starting assembly you will need to consider the LED configuration you would like to use.. You can wire the RGB LEDs in your speakers to be either one fixed color, or you can wire them to be used with the Roswell RGB Controller (Part Num. C920-1620). Connecting the wires on the speaker wiring harness in different configurations will produce different colors. See the table below to

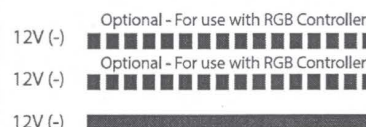
select your color if you are not using the RGB Controller. If using the RGB controller you will need to run a total of four wires to connect to the controller in the boat's hull, which means even if you have a pre-wired tower it is very likely you will need to add wires to your tower.

Speaker Wiring Harness



Wiring Configuration	Output
Blue — 12V (-)	Blue
Green — 12V (-)	Green
Red — 12V (-)	Red
Green & Red — 12V (-)	Yellow
Blue & Red — 12V (-)	Magenta
Blue & Green — 12V (-)	Cyan
Blue & Green & Red — 12V (-)	White
Blue — Blue 12V (-) Green — Green 12V (-) Red — Red 12V (-)	Controllable / Programmable RGB

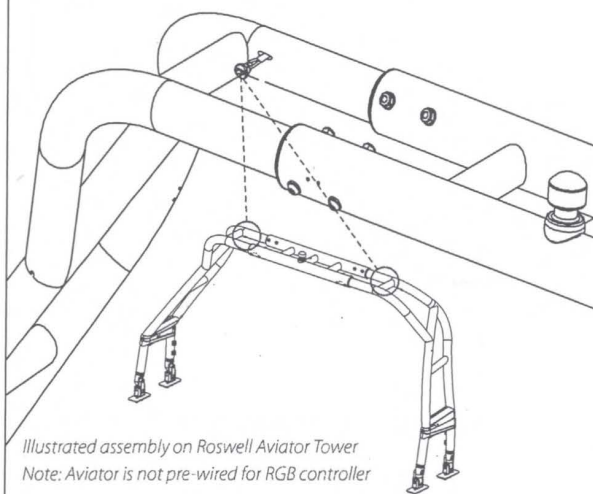
Tower Wiring



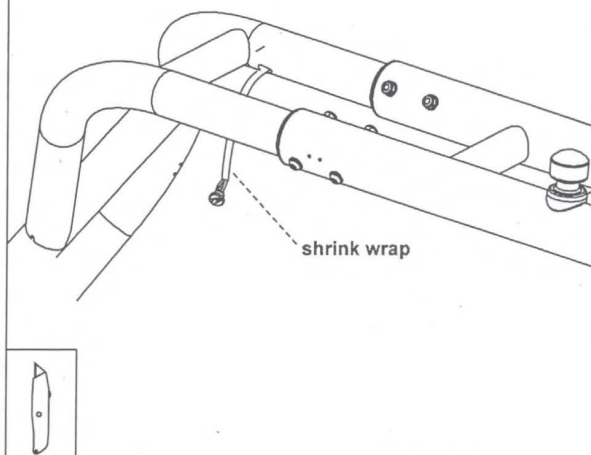
Crimp Connector

A

For non-wired towers: Go to step D
 For Pre-wired Roswell towers: Remove the plugs to access the wires. Carefully pull the wires out of the tower.

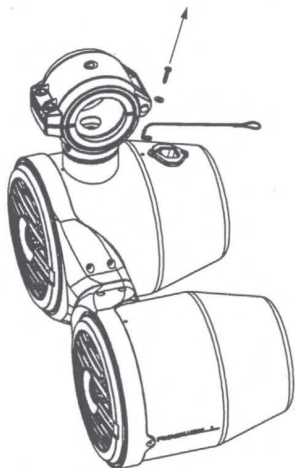
**B**

Carefully cut the first piece of shrink wrap with a utility knife to expose all of the wires and remove the plug. Be very cautious not to cut through the wire's insulation.



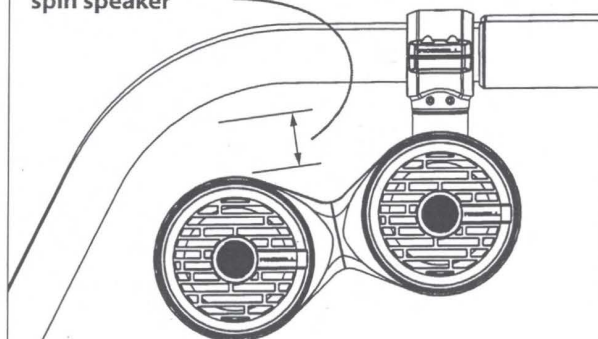
C

Remove the #6 tapping screw, washer and safety lanyard from the speaker. Set these aside for later.

**D**

Determine your mounting location on your tower and note the tubing size for that location. Roughly check to estimate speaker clearance in this location.

3.5" clearance for spin speaker

**E**

Connect the included wiring harness to the wiring on your tower/boat.

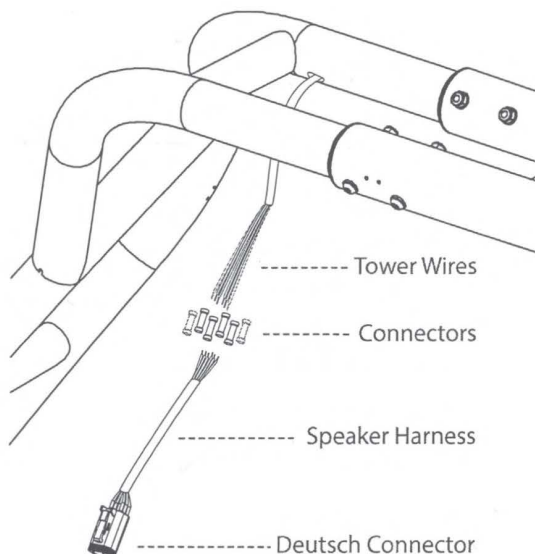
- 1) Use wire strippers to expose 1/4" of wire on all wires.
- 2) Connect the tower wires to the speaker wiring harness according to the LED configuration you plan to use.
- 3) Heat shrink the connectors.
- 4) Carefully push the wires back into the tubing.



x2

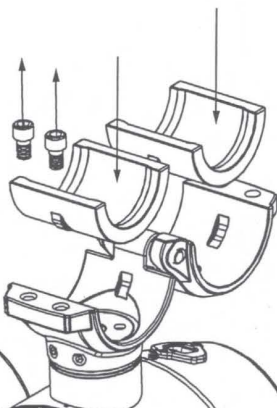


x12 or x8

**F**

Remove the 2 screws from each clamp and insert the appropriate plastic insert for your tube size.

Note: If your tubing is a size not included in the package please contact Roswell for other inserts. Available sizes: 2.85", 2.50" and 2.25"

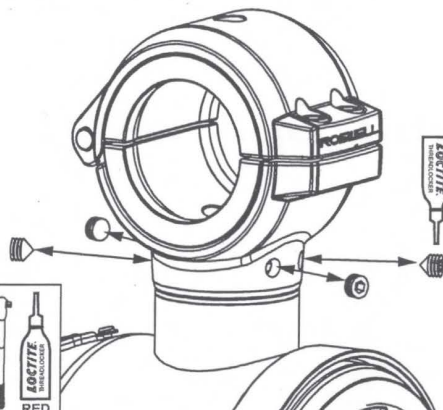


x2

3/16"

G

Remove the 4 set screws that hold each clamp to the speaker. Add a drop of red Loctite into each set screw hole and reinsert the set screws into the holes enough to hold the clamp but still loose enough to be able to adjust the angle.



x8



3/16"

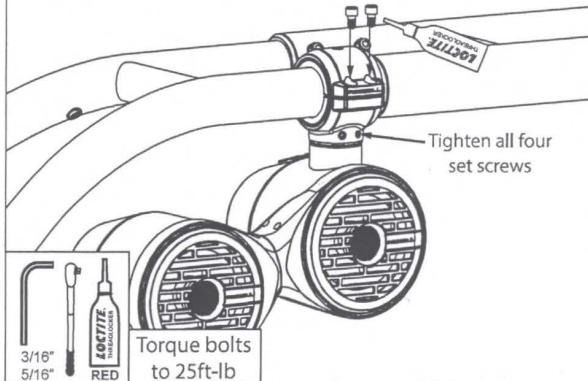


RED

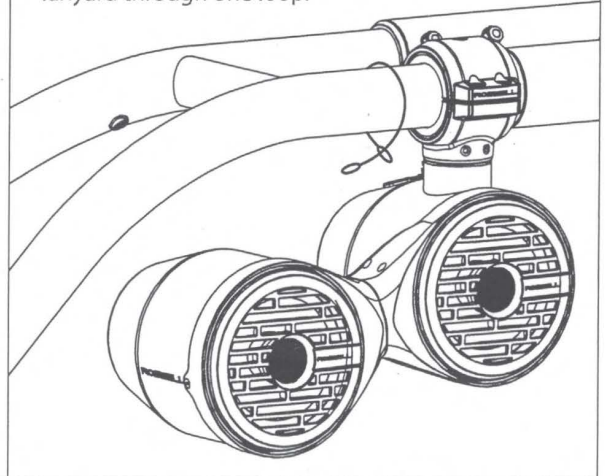
H

Mount the speakers to the tower. Apply some red threadlock to the screws. Tighten to 25ft-lbs. If necessary rotate your speaker at the clamp to whatever angle you like and then tighten the 4 set screws.

Note: This step is easier with two people!

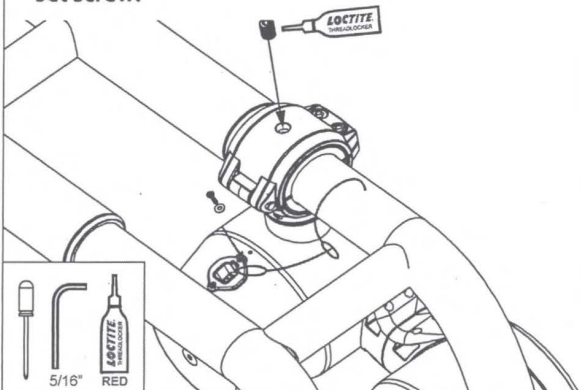
**I**

Wrap the safety lanyard cable around the tube the speaker is mounted to. Thread one end of the lanyard through one loop.

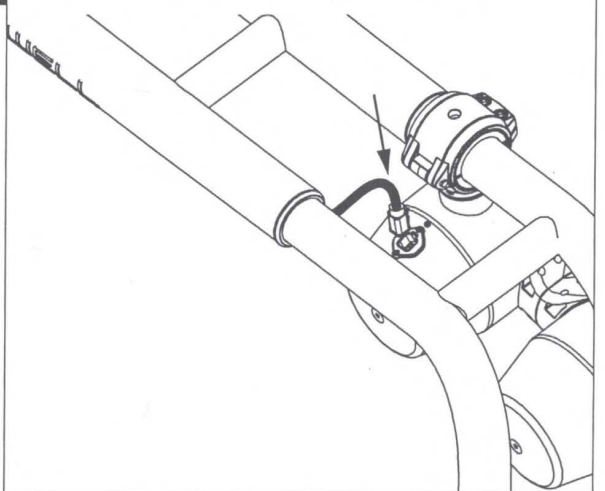
**J**

Mount the safety lanyard to the speaker and add the set screw to the clamp top to lock the speaker into place. Use the long set screw for 2.375" and 1.90" tubes. Use the short set screw for 3.00" tubes.

Note: Double check clearance before adding the set screw!

**K**

Connect your wiring harnesses to your speaker. Push the connectors in until you hear a click.



**Enjoy your Roswell
Vamp Spin Speakers!**

Use & Care

These speakers are built to the highest standards of marine durability. However, they are still a sensitive piece of electronic equipment. When cleaning, avoid hosing down the speakers directly and do not use harsh cleaners on the R1's as they could damage the finish. Simply wiping the speaker down with a damp cloth should be sufficient to ensure years of enjoyment.

It is necessary to regularly check the tightness of the bolts securing the R1 speaker to your tower. Bolts and screws tend to rattle loose over time due to the vibrations and shaking that your boat experiences while on the water or in transit.

Covering your speakers with something removable like saran wrap or aftermarket fabric covers during transit or storage can save you a lot of time cleaning and also protect your speakers from damage.

Roswell Limited Warranty

Roswell warrants all new R1 Series Vamp Spin Speakers against defects in material and workmanship for a period of TWO (2) YEARS from the original date of purchase. This warranty is not transferable and applies only to the original retail purchaser from an authorized Roswell retailer. Upon inspection by Roswell, should service be necessary under this warranty for any reason due to manufacturer defects, Roswell will, at our own discretion, repair or replace the defective product with new or similar conditioned product at no charge.

THIS WARRANTY DOES NOT COVER INSTALLATION OR DAMAGE RESULTING FROM ACCIDENT, MISUSE, ABUSE, IMPROPER WIRING, COSMETIC DAMAGE DUE TO NORMAL WEAR AND TEAR, EXPOSURE TO CHEMICALS OR HARSH ENVIRONMENTS, OPERATION OUTSIDE OF THE MANUFACTURERS RECOMMENDATIONS OR SPECIFICATIONS, OR AGAINST INSTRUCTIONS IN OWNERS MANUAL. IN ADDITION, ANY PRODUCT THAT HAS BEEN OPENED, TAMPERED WITH OR MODIFIED, OR IF ANY SERIAL NUMBERS HAVE BEEN REMOVED, WILL NOT BE COVERED BY ANY PART OF THE MANUFACTURES WARRANTY.

All warranty claims must first be made in direct contact with Roswell's warranty department. When first contact is made the warranty representative will issue an RA # to open a claim. All warranty returns should be sent to Roswell freight prepaid and must be accompanied by proof of purchase (a copy of original sales receipt). Direct returns from consumers or non-authorized retailers will be refused unless specifically authorized by Roswell with a valid return authorization number (RA#).

All warranty returns should be packed in the original packaging and must be accompanied by a copy of the original sales receipt. Product damage during shipping will not be covered under this warranty. The customer or retailer may choose to have this damage repaired at the normal "Out of Warranty" repair cost.

In no event will Roswell be liable for incidental, consequential, or other damages resulting from the use of this product. This includes but is not limited to, damage of hearing, property or person, damage based upon inconvenience or on loss of use of the product, and to the extent permitted by law, damages for personal injury.

This warranty applies to products being sold and used in the United States of America and Canada. In all other countries please contact your authorized Roswell representative.

For warranty and non-warranty repairs, please contact Roswell Marine Inc.

Phone: 1-321-638-1331

Email: warranty@roswellmarine.com