

HYDRO™

Operator's Manual



1-800-659-0790

www.ravesports.com

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Water sports can be safe and fun for all levels of enthusiasts. The Operator's Manual is presented to enhance your enjoyment of the sport. It is intended to alert you to some of the potentially dangerous conditions that can arise in all water sports.

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WARNING

USE OF THIS PRODUCT AND PARTICIPATION IN THE SPORT INVOLVES INHERENT RISKS OF INJURY OR DEATH.

1. This tube is designed to carry no more than two persons or 340 lbs.
2. Use a tow rope of at least 2,375 lbs. average tensile strength for pulling this tube and its riders.
3. Read Operator's Manual before use. Do not remove warning.

Product Instructions and Warnings

To reduce the risk of injury or death using this tube, follow these guidelines:

- Carefully read this manual and follow the instructions.
- Only use your tube with a responsible watercraft operator who knows how to operate a watercraft properly.

Product Instructions and Warnings (continued)

- Take all reasonable precautions in the use and operation of your tube and boat.
- Teach anyone using your tube how to attach it to the rope, how to ride it and how to maintain it.
- Do not exceed the manufacturer's recommended number of riders for your particular tube.
- If the tube is designed for more than one person, take extra precaution to avoid colliding with one another.
- Never strap or attach anyone to the tube or cover. Never put your feet or hands through the strapping of the towing system or handles. Never wedge your hands or feet under the cover or between the cover and the tube.
- Never attempt jumps or dangerous tricks with your tube. If more than one tube is being towed, avoid collisions with other tubes.
- Scout the area before use to avoid any debris or obstacles that might present a safety hazard.
- Know your own limits. Stop when you are tired. Act responsibly. Be in good physical condition and cautious in your use of this or any other towable tube.
- Check the rope and connectors for frays, cuts, sharp edges, knots, or wear before each use. Discard rope if any such condition exists or if rope appears to be worn. Such conditions may lead to breaks.

Product Instructions and Warnings (continued)

- Do not use tow rope with elastic or bungee material to pull riders. Such an addition can break or stretch, which may lead to injury of users or boat occupants.
- The stress on the rope is different than the stress on the tube, and will vary with the weight of the riders, design and surface area of the tube.
- Rope is subject to deterioration when exposed to direct sunlight. The life of the product will be extended when stored away from sunlight.
- The tow rope should be replaced when signs of deterioration appear, indicated by the existence of discoloration, wear, fraying or raveling.
- Do not add hardware or attachments that are not otherwise supplied by the manufacturer.

W A R N I N G

USE OF THIS PRODUCT AND
PARTICIPATION IN THE SPORT OF
TUBING INVOLVES INHERENT
RISKS OF INJURY OR DEATH.



WARNING

- Do not use at speeds that exceed skills of the rider. Boat speed should never exceed 20 mph for adults and 15 mph for children.
- This product should never be used by children except under adult supervision.
- This is not a personal flotation device.
- Always wear a U.S. Coast Guard approved Type III (PFD) vest.
- Never place wrists or feet through handles or towing harness. Ensure tow rope is clear of all body parts prior to or during use.
- Rider should keep feet out of the water.
- Watercraft driver is responsible for the ride since the tube cannot be controlled by rider.
- Always have a person other than the driver as an observer.
- Watercraft driver should avoid excessive speed or sharp turns that might cause the tube to flip over abruptly, resulting in serious injury to the rider.
- Do not tow in shallow water or near shore, docks, pilings, swimmers or other boats.



WARNING

- Do not exceed the manufacturer's recommended number of riders for your particular tube.
- Use a tow rope of at least 1,500 lbs. average tensile strength for pulling a single person; 2,375 lbs. average tensile strength for pulling two people; 3,350 lbs. average tensile strength for pulling three people; and 4,100 lbs. average tensile strength for pulling four people on an inflatable tube. The tow rope should be at least 50 feet in length but not exceed 65 feet.
- Do not operate watercraft or ride under the influence of alcohol or drugs.
- Read Operator's Manual before use.

Watersports Responsibility Code

Water sports are fun and challenging but involve inherent risks of injury or death. To increase your enjoyment of the sport and to reduce your risks, use common sense and follow these rules.

Watersports Responsibility Code (continued)

Before you start:

- Familiarize yourself with all applicable federal, state and local laws, the risks inherent in the sport and the proper use of the equipment.
- Know the waterways.
- Always have a person other than the boat driver as an observer.
- Rider, observer and driver must agree on hand signals.
- Never start out until rider signals he/she is ready. Observer and rider should maintain eye contact.
- Carbon Monoxide (CO) poisoning from engine exhaust may cause injury or death. Do not sit on the boat transom or swim platform while the engine is running. These activities may lead to excessive CO exposure which may cause injury or death. If you can smell engine exhaust while in the boat, do not stay seated in that position for prolonged periods. Never “Platform Drag” by holding onto the swim platform or be dragged directly behind the boat. An improperly tuned engine will produce excessive exhaust. Have your engine checked and corrected by a mechanic. Changing boat speed or direction relative to the wind can reduce or increase boat exhaust from accumulating near the boat and rider. Consult your boat Owners Manual, or the United States Coast Guard’s website: www.uscgboating.org for more information on how to help protect others and yourself from the dangers of CO poisoning
- Use caution and common sense.

Your Equipment and Your Tow Rope:

- Inspect all equipment prior to use. Check tube and attachment point and flotation device prior to each use. Do not use if damaged.
- Always wear a U.S. Guard Type III (PFD) vest.
- Ropes should be attached to the watercraft in an approved fashion with hardware designed for pulling. Refer to your watercraft manual for instructions on proper tow rope attachment.
- Tow ropes stretch during use. If a rope breaks or is suddenly released, it can snap back into the watercraft. Warn all riders and occupants of the danger of the rope recoil.
- When in the boat, keep away from the tow rope to avoid injury. Passengers can be hit or become entangled in the rope.
- Inspect tow rope and its attachments before using. Do not use tow rope if frayed, knotted or damaged. Replace when signs of excessive deterioration are indicated by discoloration, broken filaments, unraveling or other obvious signs of wear on the rope or hardware.
- Use proper tow rope for the activity.
- Ensure rope is clear of all body parts prior to starting out or during use.
- Keep persons and ropes away from propeller when engine is running, even in neutral. Should rope become entangled in propeller, SHUT OFF ENGINE AND REMOVE IGNITION KEY BEFORE RETRIEVING ROPE.

When You Ride:

- Attempting land or dock starts can increase the risk of injury or death. **USE THIS PRODUCT ONLY ON WATER.**
- Always remove any slack in the rope between watercraft and rider before starting. Sudden shock loads may cause injury to the rider or failure of rope, resulting in snap-back or breakage.
- Do not ride in shallow water, near shore, pilings, docks, rafts, swimmers, other boats or other obstacles. Such obstacles are examples of risks that are inherent in the sport.
- The driver and rider must watch for and be able to stop or turn to avoid obstacles.
- Always ride in control and at speeds appropriate for your ability. Ride within your limits. Follow instructions on tube for safe speed limits.
- Do not ride over ramps or jumps.
- Falling and the injuries that may result are inherent risks in the sport.
- Use a flag to signal to others that a rider is in the water.
- Driver must use extra caution approaching fallen rider and keep eye contact on fallen rider at all times.
- Put the boat in neutral when near a fallen rider. Turn the engine off when people are getting in or out of the boat, or while in the water near the boat.
- Do not operate watercraft or ride under the influence of alcohol or drugs.

Inflating Instructions

CAUTION: DO NOT OVER-INFLATE. Use of an air compressor or over-inflation can rupture the tube beyond repair, thus voiding the warranty.

Step 1:

Lay HYDRO on a flat surface. Make sure there are no sharp objects under the product that might puncture the tube.

Step 2:

Remove the fiberboard insert from the rooster tail device.

Note: It is highly recommended that you keep this insert to place back into the rooster tail device during storage. Doing so will help maintain the shape of the device.

Step 3:

Locate the clear stem valve for the floor. Inflate floor first.

NOTE: Moisten the plug of the clear stem valve prior to inserting into the valve and push plug down into the valve body fully.

Step 4:

Inflate the upper rim, main chamber and rear spoiler, in that order to ensure best results.

Step 5:

Attach the tow rope (not included).

Note: To avoid damaging the rooster tail device:

- Do not drag the product on the ground.
- Do not store product in excessively hot area.
- Do not tow or sit in the product while it is in contact with the ground.
- Avoid extreme shallow water starts as the weight of the rider(s) can depress the rooster tail device into the lake bottom causing damage during takeoff.

Troubleshooting

Air chamber(s) won't hold air:

- Check stem valves to ensure plugs are fully seated down into the valve body.
- Check main Boston valve to ensure plastic ring is not caught under the seal or cap.
- Check for holes in bladder following the procedures in the "Repair" section.

Cleaning and Storage

- When the inflatable product is not being used, we recommend that you store it in a covered, shaded area. This will help protect it against ultraviolet (UV) rays and extend the life of the product.
- Clean the inflatable completely with a mild soap and fresh water. **NEVER USE PETROLEUM BASED PRODUCTS OR SOLVENTS FOR CLEANING.**
- Product should be completely dry and remain dry while stored.
- Replace the insert into the rooster tail device.
- Roll the product loosely and place in a vented storage bag or container.
- Store in a cool, dry location. Do not store product directly on concrete surface. Place mothballs around stored inflatable to keep mice and insects away.
- Secure the product against unauthorized or unsupervised use.

Repairs

For minor holes or tears:

- Remove the inner bladder from the cover.
- Inflate the product and locate the leak by spraying the tube with mild soapy water.
- Determine the hole size and cut a patch 1/2-1 inch wider than the diameter of the hole. Make sure all corners of the patch are rounded.

- Deflate the product and clean the patch and area around the hole with rubbing alcohol. Let dry.
- READ AND UNDERSTAND THE WARNINGS ON THE GLUE CONTAINER.
- Using the spreader sticks supplied in the patch kit, apply glue to the patch and the area around the hole. Let the glue dry until it is tacky to the touch (approximately 2-3 minutes).
- Lay the product on a flat, hard surface and apply the patch. Working from the center to the outer edge, rub out any air bubbles between the patch and the product.
- Let the patch dry for 24 hours before attempting to inflate the product.
- Put the bladder back into the cover.

NOTE: Ensure the outer edge seam of the bladder is aligned with the cover seam and is spread out evenly within the cover. A misaligned cover can cause distortion and less than optimal performance of the tube and rooster tail.

If you are unable to repair the vinyl bladder, replacement bladders are available for purchase by calling RAVE Sports at 1-800-659-0790.

For other repairs:

- If the tip of the “rooster tail” device becomes bent, apply medium heat with a hot air gun and restore the shape. Install the fiberboard that came with the rooster tail device. Let cool.

Terms and Conditions

Limited Warranty

1. The limited warranty set forth below is given by RAVE Sports, Inc. (RAVE) with respect to product(s) purchased and used in the United States and internationally.
2. RAVE's product(s), when delivered to you in a new condition in original container, are warranted against defects in material or workmanship for a period of one (1) year from the date of original purchase when used in a non-commercial application. Product(s) used in a commercial application are warranted against defects or workmanship for a period of six (6) months from the date of original purchase. Defective product(s) returned to RAVE or authorized service location and proven to be defective upon inspection, will be repaired or exchanged for new product(s) or part(s) where applicable. The warranty period for any replacement product shall begin upon shipment of the same, but shall in no event exceed the warranty period of the defective product.
3. When returning any product under this limited warranty, you must first contact RAVE to obtain a return authorization number and then return the product in accordance with RAVE's Return Authorization Policy. The product must be packaged in its original carton with a copy of the bill of sale (or invoice of purchase), together with a complete explanation of the problem and the other information required by the Return Authorization Policy. Shipping charges, if any, must be prepaid. Products covered by this limited warranty will be returned to you without charge by RAVE.
4. This limited warranty covers all defects encountered in normal use of the product and does not apply in the following cases:
 - a. Loss or damage to the product is due to abuse; mishandling; alteration; accident; vandalism; theft; failure to follow operating, maintenance or storage instructions; service performed by a party other than RAVE authorized service personnel; or any acts of God, including but not limited to storm damage or animal damage.
 - b. The product has had its serial number(s) or dating altered or removed.
5. **NO IMPLIED WARRANTY (OR CONDITION), INCLUDING ANY IMPLIED WARRANTY (OR CONDITION) OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, APPLIES TO THE PRODUCT AFTER THE APPLICABLE PERIOD OF EXPRESS WARRANTY STATED ABOVE, AND NO OTHER EXPRESS WARRANTY OR GUARANTY, EXCEPT AS MENTIONED ABOVE, GIVEN BY ANY PERSON, FIRM, OR CORPORATION WITH RESPECT TO THE PRODUCT SHALL BIND RAVE SPORTS. (SOME STATES OR PROVINCES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU).**
6. **RAVE SHALL NOT BE LIABLE FOR LOSS OF REVENUE OR PROFIT, FAILURE TO REALIZE SAVINGS OR OTHER BENEFITS, OR FOR ANY OTHER SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES CAUSED BY THE USE, MISUSE OR INABILITY TO USE THE PRODUCT REGARDLESS OF THE LEGAL THEORY ON WHICH THE CLAIM IS BASED, AND EVEN IF RAVE HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. NOR SHALL RECOVERY OF ANY KIND AGAINST RAVE BE GREATER IN AMOUNT THAN THE PURCHASE PRICE OF THE PRODUCT SOLD BY RAVE AND CAUSING THE ALLEGED DAMAGE.**
7. Without limiting the foregoing, you assume all risk and liability for loss, damage or injury to you and your property and to others and their property arising out of the use, misuse, or inability to use any product sold by RAVE not caused directly by the negligence of RAVE. (Some states or provinces do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation may not apply to you.) This limited warranty shall not extend to anyone other than the original purchaser of any product, or the person for whom it was purchased as a gift.
8. This limited warranty gives you specific legal rights, and you may have other rights which vary from state to state or province to province.



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December 2004