

ATLANTIC
HARBOR TUGBOAT



AQUACRAFT[™]
Models by **HOBICO**[®]

Warranty

AquaCraft[™] will warrant this kit for 90 days after the date of purchase from defects in materials or workmanship. **AquaCraft** will either repair or replace, at no charge, the incorrectly made part.

Make sure you save the receipt or invoice you were given when you bought your model! It is your proof of purchase and we must see it before we can honor the warranty.

To return your Atlantic Harbor Tugboat for repairs covered under warranty you should send your boat to:

Hobby Services
3002 N. Apollo Drive, Suite 1
Champaign, Illinois 61822
Attn: Service Department
Phone: (217) 398-0007 9:00 am – 5:00 pm Central Time M-F
E-mail: hobbyservices@hobbico.com

INTRODUCTION

Thank you for purchasing the Atlantic Harbor Tugboat! We at AquaCraft know how exciting a new R/C boat purchase can be and we know you're anxious to get started, but please take time to read these instructions carefully and completely before attempting to operate your model. This manual contains the instructions you need to safely operate and maintain your boat. As with any hobby, there is the possibility of injury. Arming yourself with knowledge is the best way to avoid injury.

If for any reason you think that this model is not for you, return it to your local dealer immediately. PLEASE NOTE: Your hobby dealer cannot accept a return on any model after the final assembly sequence has begun.

USEFUL TOOLBOX ITEMS

- #2 Phillips Screwdriver (HCAR1024)
- 1.5mm Hex Driver (HCAR1150)
- 4mm Socket or Wrench
- Paper Towels
- Spray-On Glass Cleaner
- Hook & Loop Material (GPMQ4480)
- Hobby Knife (HCAR0109)

SAFETY PRECAUTIONS

- Adult supervision is strongly recommended! **Children should be warned** about the dangers of playing in close proximity to water.
- Do not attempt to charge battery packs in the immediate vicinity of swimming pools, lakes, rivers, oceans, inland seas, etc. Above all, **NEVER ATTEMPT TO OPERATE A CHARGER IF YOU, THE CHARGER, OR THE BATTERY PACK ARE WET.**
- **Always** remove the battery pack from the boat before recharging.
- This boat is controlled by radio signals, which are susceptible to possible interference from other R/C transmitters, paging systems, or other electrical noise. **Before turning your radio transmitter and receiver on,** make sure no one else in the area is operating a radio on the same frequency (channel).
- Do not touch the propeller anytime the electronics are turned "ON." **Pay close attention** to items such as loose clothing, shirt sleeves, ties, scarves, long hair or any loose objects that may come in contact with the spinning propeller. If your fingers, hands, etc. come in contact with the spinning propeller, you may be severely injured.

- The speed and mass of this boat can inflict property damage and severe personal injury if a collision occurs. **Never run this boat in the presence of swimmers** or where the possibility of collision with people or property exists.
- Electric motors can generate considerable heat. **Do not touch any part of your motor** until it has cooled. Touching the motor immediately after running the boat may result in a serious burn.

If the buyer is not prepared to accept the liability associated with the use of this product, the buyer is advised to return this kit immediately in new and unused condition to the place of purchase.

REPAIR SERVICE

Repair service is available anytime.

After the 90-day warranty, you can still have your Atlantic Harbor Tugboat repaired for a small charge by the experts at AquaCraft's authorized repair facility, **Hobby Services**, at the address listed on the front page of this manual.

To speed up the repair process, please follow the instructions below.

1. Under all circumstances, return the **ENTIRE** system: boat and radio.
2. Make sure the electronics are turned off and all batteries are removed.
3. Send written instructions which include a list of all items returned, a **THOROUGH** explanation of the problem, the service needed and your phone number during the day. If you expect the repair to be covered under warranty, be sure to include a proof-of-purchase date (your store receipt or purchase invoice).
4. Also be sure to send your full return address.

SPECIFICATION & DESCRIPTION CHANGES

All pictures, descriptions, and specifications found in this instruction manual are subject to change without notice. AquaCraft maintains no responsibility for inadvertent errors in this manual.

ITEMS REQUIRED FOR COMPLETION

- DTXC2100 – DuraTrax® 7.2 volt 1500mAh NiCd battery pack (1 required)
- DTXP4000 – AC/DC Piranha™ Peak Power charger
- FUGP7300 – Four (4) "AA" batteries. **Eight (8) "AA" batteries are required for the transmitter.**

BOAT TERMINOLOGY

BOW: The front of the boat.

STERN: The back of the boat.

PORT: This is the left side of the boat when aboard and facing the front (bow). An easy way to remember this is that *port* and *left* both contain four letters.

STARBOARD: This is the right side of the boat when aboard and facing the front (bow).

HULL: The body of the boat.

DECK: The top of the boat.

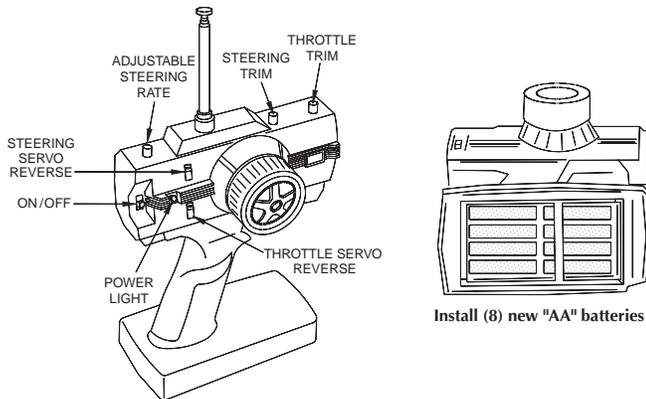
RUDDER: The hinged vertical plate mounted at the stern that controls steering.

FINAL ASSEMBLY

TRANSMITTER ASSEMBLY

Important Note: The transmitter is not water resistant and should never come in contact with water.

❑ 1. Remove the transmitter antenna from the parts bag and screw it into the top of the transmitter. To ensure that the antenna is attached, lightly pull on the base of the antenna. If it slides out, it is not installed properly.

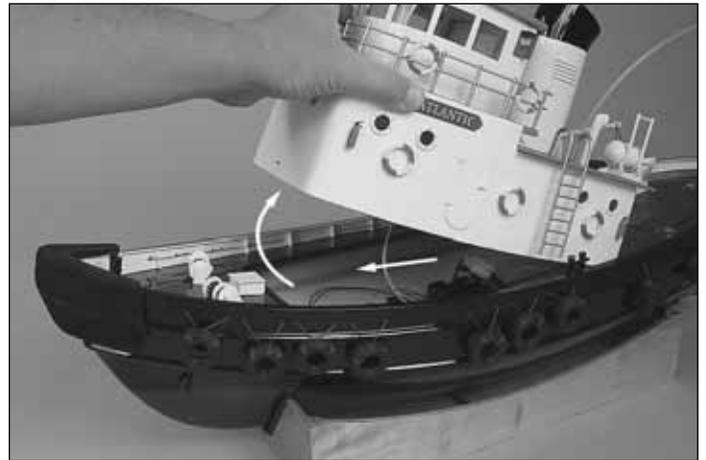


❑ 2. Slide off the battery door on the bottom of the transmitter. Install 8 fresh "AA" batteries into the bottom of the transmitter in the configuration molded into the battery holder. Reinstall the battery door onto the bottom of the transmitter.

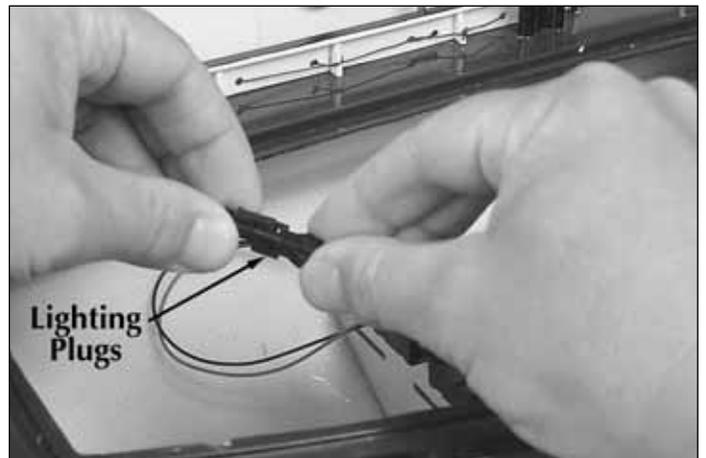
❑ 3. Turn the transmitter "ON" using the switch on the front. The red LED light next to the on/off switch should light up. If the LED does not light up, turn the transmitter off and check to make sure that the batteries are installed properly. **If you see a flashing LED, the batteries are low and need to be replaced.**

HULL & LIGHTING SYSTEM

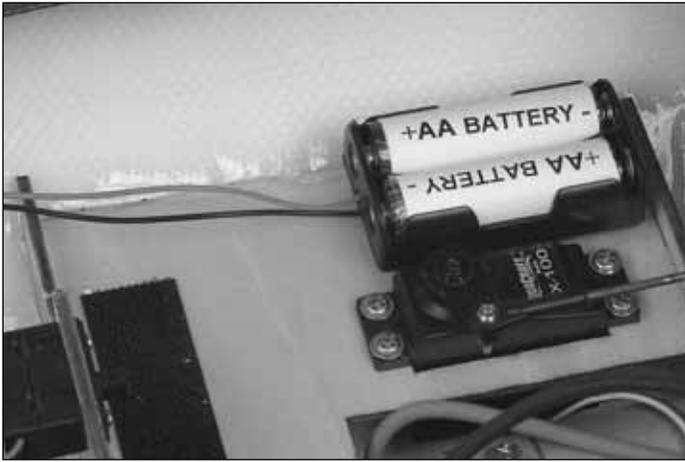
❑ 1. Carefully remove the Atlantic Harbor Tugboat and its stand from their packaging.



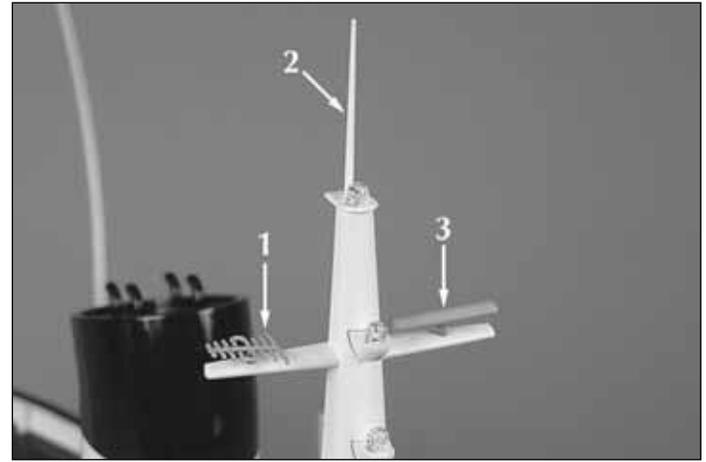
❑ 2. Gently pull the cabin latch forward, lift the front of the cabin and slide it forward as shown.



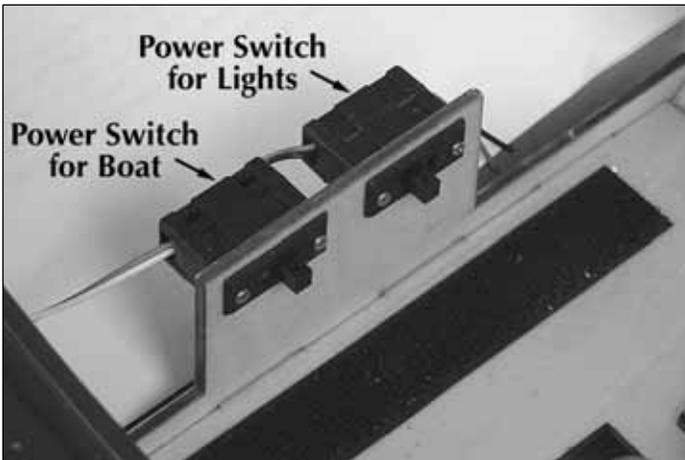
❑ 3. Connect the lighting plugs together as shown. **Note: The plugs only fit together one way.**



❑ 4. Install two (2) new “AA” batteries into the lighting system battery holder as shown. Be sure to follow the positive (+) and negative (-) pattern molded into the battery holder.



❑ 7. Affix the three plastic radar pieces atop the cabin as shown.



❑ 5. The lighting system has its own dedicated power switch. Turn the power “ON” to illuminate the running lights. If the lights appear to be dim or do not illuminate at all, this is an indication that the batteries need to be replaced.

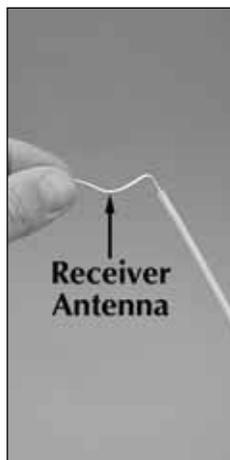
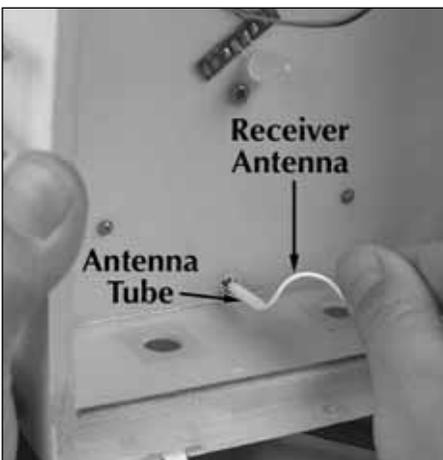
BATTERY PACK INSTALLATION

IMPORTANT! Never leave a charger and battery pack unattended while charging.

Use only the recommended battery pack and an appropriate charger.

Do not attempt to charge the battery while it is installed in the Atlantic Harbor Tugboat.

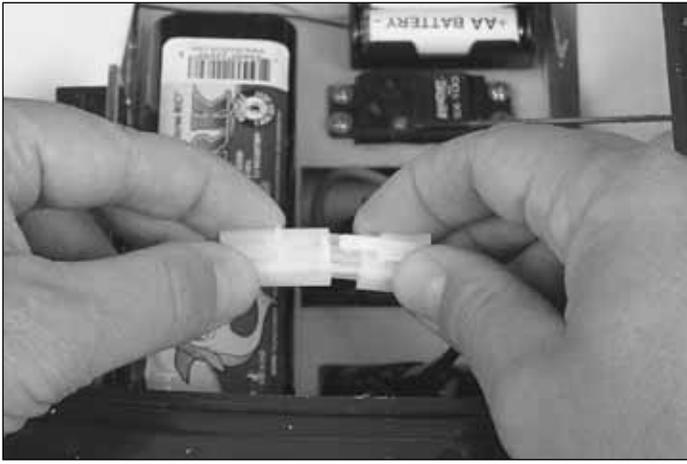
Refer to the instructions included with your charger for proper battery charging procedure.



❑ 6. Run the receiver antenna up through the antenna tube located at the rear of the cabin as shown.



❑ 1. Peel the backing off of the supplied hook & loop material and apply the “loop” side to your 6-cell battery pack. With the cabin removed from the deck, place a fully charged battery pack onto the battery tray as shown.



❑ 2. Plug the battery pack into the boat's ESC (Electronic Speed Control) battery connector. Do not force them together; they are designed to fit together only one way.

CHECK THE RADIO SYSTEM:

❑ 1. Turn the power "ON" to the transmitter and receiver (in that order). Put the cabin back in place and secure the latch.

❑ 2. If the boat's propeller begins to spin once power is turned "ON", make sure your transmitter is "ON" and simply rotate the throttle trim knob located atop the transmitter until it stops.

❑ 3. Standing behind the boat with the radio system turned "ON", rotate the steering wheel of your transmitter to the left. The back of the rudder should move towards the left. Rotate the steering wheel of your transmitter to the right. The back of the rudder should move towards the right. If this is not the case, simply move the transmitter's steering servo reverse switch to the other position.

❑ 4. Squeeze the trigger on the transmitter; this should activate the propeller in a counter-clockwise motion. If this is not the case, try moving the throttle servo reversing switch to the other position. Pushing the trigger forward will activate the propeller in a clockwise rotation; this is the "REVERSE" feature and it can be used to either back out of precarious water or slow the boat down quickly.

❑ 5. The D/R knob located atop the transmitter is the steering rate adjustment. Turning the knob to the right increases the total movement of the rudder while turning it to the left decreases the rudder movement.

❑ 6. Turn the power "OFF" to your boat and then your transmitter (always, in that order).

PLEASE READ BEFORE RUNNING THE ATLANTIC HARBOR TUGBOAT:

- **NEVER** attempt to swim after a stalled or capsized boat! Wait patiently for the wind currents to return the boat to shore or use a tennis ball attached to the end of a fishing rod to retrieve a stalled or capsized boat.
- It is dangerous to operate any R/C vehicle at any time that there is not sufficient light.
- R/C models produce vibrations which *will* cause screws, nuts, bolts, etc, on your model to become loose over time. **It is important to make sure that all hardware is secure** before operating your model.
- **The edges of the propeller are very sharp and can cut your fingers** if you are not careful. At no time should you ever attempt to stop the prop with your hand. In the event that weeds become entangled in the propeller, turn the Atlantic Harbor Tugboat's power "OFF" before attempting to remove them.
- **CAUTION:** Your Atlantic Harbor Tugboat may take on small amounts of water, especially when running in rough water due to high winds or when making tight turns. Keep a roll of paper towels handy and dry out the hull interior after every run.
- Total run time of the Atlantic Harbor Tugboat is approximately 10-15 minutes (assuming you begin with a fully charged battery pack). When you notice a decrease in power or sluggish steering response, it means the battery pack is nearly drained and it's time to head for shore. As soon as the boat reaches shore, turn off the power to the boat's receiver and transmitter (in that order).
- **CAUTION: The motor may be hot!** Allow it to cool for a few minutes before attempting to remove the battery pack.
- After running, store your Atlantic Harbor Tugboat with the hatches opened to allow the interior to dry out completely. If you fail to do this, it may result in corrosion of the electronic components.
- **IMPORTANT:** If, for whatever reason your boat takes on a large amount of water causing the radio equipment to get wet, you must do the following immediately: Remove the battery pack and radio equipment from the boat. Allow the components to air dry completely before reassembling. Reinstall the components and check for proper operation before running the boat in water.

LAUNCH PROCEDURE:

1. Turn the power "ON" to the transmitter and receiver (in that order).
2. Gently place the boat in water that is at least 8" deep and free of obstacles (weeds, rocks, sticks, ducks, muskrats, etc.).
3. Slowly advance the throttle to full speed and note if the boat has a tendency to turn right or left. Adjust the steering trim knob on your transmitter until the boat runs in a straight line when the steering wheel is at neutral.
4. When finished running, be sure to turn the power "OFF" to your boat and transmitter (in that order).

THE WAITING GAME

If your Atlantic Harbor Tugboat should happen to stall, wind and/or water currents will *slowly* carry it to shore. The bad news is that the boat could be carried to the opposite shore. When surveying areas to run your boat, keep variables in mind such as wind direction, size of the lake, strength of river currents, etc. **Above all, NEVER attempt to swim after a stalled boat.**

HELPFUL TIP:

Use a fishing rod with at least 12lb. line and a tennis ball tied to the end to retrieve a stalled boat.

BASIC MAINTENANCE

When you are through operating your boat for the day, be sure to perform these basic maintenance procedures. This will prolong the life of the Atlantic Harbor Tugboat and help to ensure trouble-free running. **Be sure to turn the power "OFF" to your boat and transmitter before performing any maintenance.**

- Remove the cabin.
- Remove the battery pack.
- Soak up any excess water with a paper towel.
- Make sure propeller and drive dog are free of moss and other debris.
- Wipe down the entire boat with spray-on glass cleaner and a paper towel.
- Allow the interior plenty of time to dry out before installing the cabin for display.

GOOD LUCK AND GREAT BOATING!

ORDERING REPLACEMENT PARTS

To order replacement parts for the AquaCraft Atlantic Harbor Tugboat, use the order numbers in the **Replacement Parts List** that follows. Replacement parts are available only as listed and can be purchased from hobby shops or mail order/ Internet order firms. Hardware items (screws, nuts, bolts) are also available from these outlets. If you need assistance locating a dealer to purchase parts, visit www.aquacraftmodels.com and click on "Where to Buy". If this kit is missing parts, contact **Product Support**.

Replacement Parts List

Order #	Item	Description	Order #	Item	Description
HCAB7760	3-Blade Propeller	One propeller with one locknut	HCAB8801	Deck Accessory Set	2 life preservers, 2 fire extinguishers, radar antenna and lightning rod, lifeboat, 2 bumper tires with mounting string and one deck ladder
HCAB7853	Drive System	Stuffing tube and drive shaft, prop coupler (drivedog)	HCAM7037	ESC (For/Rev)	ESC includes exact wiring as the ESC included with boat. (motor wire with plugs, battery wire with plug, receiver wire plug and switch)
HCAB7854	Motor Coupler	One coupler with two 3x3mm set screws	HCAG1060	550 Electric Motor	Motor wire with plugs and capacitors installed
HCAB8706	Rudder & Parts	Rudder, rudder control arm, rudder metal standoff, screw to secure arm			

CHECK OUT THESE OTHER SENSATIONAL AQUACRAFT BOATS!

BRISTOL BAY

ELECTRIC R/C READY-TO-RUN FISHING BOAT



AquaCraft™ Bristol Bay RTR

From the real cloth sails to the simulated wood deck, the 33.5" (850mm) Bristol Bay offers the look of a working fishing vessel. Authentic scale details are painted and applied; the fiberglass hull is painted and the cabin features working mast and cabin lights. It takes only minutes to install the mast and connect the rigging and only a few more to install batteries. Everything else is already ship-shape, including a 550 motor, direct drive system, reversible ESC and gear for the included 2-channel pistol radio by Futaba®. Requires a 6-cell battery, charger & 10 "AA" batteries. **HCAB60****

PROFISHERMAN

BASS BOAT



AquaCraft™ Pro Fisherman™ RTR

From a distance, it would be easy to mistake the Pro Fisherman for the real thing. It sits on a display stand that looks like a custom tow-behind, even to having the same sparkle metallic finish as the boat. Look on deck, and you'll find swiveling seats and a trolling motor in the bow. Check out the stern, and you'll find a big EP outboard that hides a water-cooled 550 motor and bearing-supported drive train. Includes a 2-channel radio made by Futaba®, reversible ESC, push-pull steering linkage and a choice of six colorful finishes! Requires a 6-7 cell battery, charger and 8 "AA" cells. Length: 26.2" (665mm). **HCAB11****

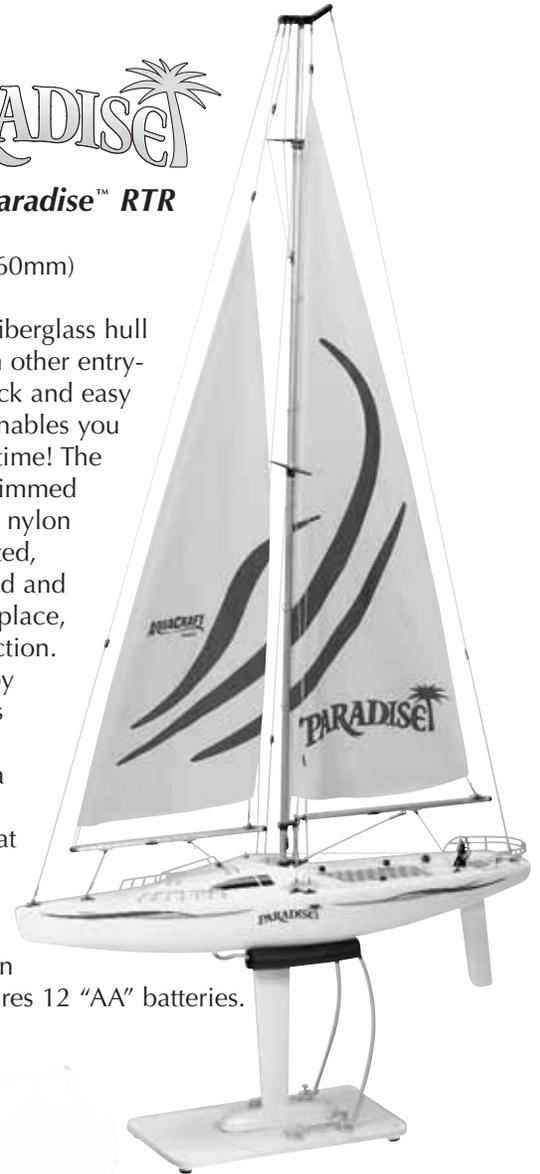
PARADISE

AquaCraft™ Paradise™ RTR

Length: 26 in (660mm)

Its high-quality fiberglass hull sets it apart from other entry-level boats - quick and easy final assembly enables you to set sail in no time! The hull is already trimmed and painted, the nylon sails are preprinted, ballast is installed and the rigging is in place, ready for connection. A 2-stick radio by Futaba® provides precise sail and rudder control; a unique display stand ensures that the Paradise will draw admiring looks whether on dry land or on the water! Requires 12 "AA" batteries.

HCAB01**



CHECK OUT THESE OTHER SENSATIONAL AQUACRAFT BOATS!

AIR FORCE



AquaCraft™ Air Force™ Air Boats

With the 36" (915mm) Air Force, you can choose the way you rule the waves! The fiberglass hull on the **RTR (HCAB27**)** is available in six brilliant, gel-coated colors and comes to you with an AquaCraft Pro .46 engine, 2-channel radio made by Futaba®, a prop and FREE video. The white-hulled **ARR (HCAB5027)** version is assembled, too, but allows you to add your own engine, radio and prop to economize. Both require a glow starter, engine starter and glow fuel. The RTR also requires 12 "AA" batteries. The ARR requires engine, prop and radio.



AquaCraft™ Hammer EP RTR

"Strike hard, strike fast" - that's the Nitro Hammer's slogan, but it's good for this 24" (610mm) electric, too. Batteries are the only thing you need to buy or install; everything else is already covered: assembly, finishing, a display stand and more. Gear for the AquaCraft 2-channel radio is installed, as is a water-cooled 550 motor and ESC w/reverse. Great for all skill levels and available in six exciting colors. Requires a 6- or 7-cell battery, charger and 8 "AA" cells. **HCAB10****



AquaCraft™ Nitro Hammer GP RTR

Factory-built and finished in one of six custom colors, the Nitro Hammer includes virtually everything needed for high-speed fun: an AquaCraft 2-channel radio by Futaba®, a fuelproof fiberglass hull, engine stand, power-boosting tuned pipe and a FREE video that shows you how to break-in and maintain the included, recoil-started AquaCraft .15 Marine engine. Just 24" (610mm) long, the Nitro Hammer requires 20% glow fuel, a glow starter and 12 "AA" batteries. **HCAB26****

Check us out on the web at www.aquacraftmodels.com and watch for more exciting AquaCraft releases coming soon!