



# RESCUE 17

## INSTRUCTION MANUAL

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### WARNING

- Never attempt to swim after a stalled R/C boat.
  - Never operate your R/C boat while standing in the water.
  - Never operate your R/C boat in the presence of swimmers.
  - Always use a Personal Flotation Device (PFD) when boarding and operating your retrieval craft, i.e. Jon boat or duck boat. NOTE: Because of the sharp running hardware included with this R/C boat, we do not recommend a rubber blow up raft.
  - R/C boat running hardware is very sharp. Be very careful when working on and around the metal parts.
  - While the motor is running, pay close attention to the propeller. Do not come in contact with the propeller at any time the engine is running or serious injury will result.
  - AquaCraft products are to be used by ages 14 and over.
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## Introduction

Thank you for purchasing the AquaCraft Rescue 17. We want the time you spend with your new R/C boat to be fun and successful, so please fully read the manual. If for any reason you think this model is not for you, return it to your local dealer immediately. **NOTE: Your hobby dealer cannot accept a return on any model after final assembly or after your boat has been operated.**

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 Included



- Rescue 17
- Boat Stand
- Tactic® Transmitter
- Decal Sheet

## Parts Needed to Complete Your Model

- 1 - ElectriFly 2200mAh 11.1V LiPo Battery (GPMP0861)
- 1 - Great Planes 3S LiPo Balancing Smart Charger (GPMM3318)
- CA glue (GPMR6007)
- 6 - "AA" Batteries (FUGP7300)

## Features

- Working water cannon with water pump
- 10 piece LED light kit installed.
- Wire rope deck railing
- Fireboat scale water cannons, ladders, water valves, search lights, staircases, railings, windows, radar/radio antennas, etc.
- 600 size brushed motor
- Tactic TTX490 4-channel 2.4GHz SLT surface transmitter.
- 3S LiPo ready ESC
- Painted fiberglass hull, deck and cabin.
- Scale detail parts and accessories installed.
- Swing-down cabin support brace

## Specifications

<b>Length:</b>	38 in (965mm)
<b>Width (beam):</b>	10.25 in (261mm)
<b>Height:</b>	17 in (432mm)
<b>Weight:</b>	8lbs (3600G)

## Boat Terminology

- BOW:** Front of the boat.  
**STERN:** Back of the boat.  
**PORT:** Left side of the boat when aboard and facing the front (bow). An easy way to remember is that *port* and *left* both contain four letters.  
**STARBOARD:** Right side of the boat.  
**HULL:** Body of the boat.  
**DECK:** Top of the boat.  
**RUDDER:** Hinged vertical plate mounted at the stern.

## Warranty Service

AquaCraft® will warrant your Rescue 17 for 90 days after purchase from defects in materials or workmanship of original manufacture. AquaCraft, at their discretion, will repair or replace the incorrectly made part at no charge. This warranty does not cover damage caused by crashes, abuse, misuse, alterations or accidents. To return your boat for repairs, you need to provide proof of purchase; your store receipt or product invoice will suffice. **IN NO EVENT SHALL THE PURCHASER BE ENTITLED TO ANY INCIDENTAL, SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES, WHETHER RESULTING FROM THE USE, MISUSE OR INABILITY TO USE THE PRODUCT OR FROM DEFECTS IN THE PRODUCT.** This warranty gives you specific legal rights. You may also have other rights, which vary from state to state.

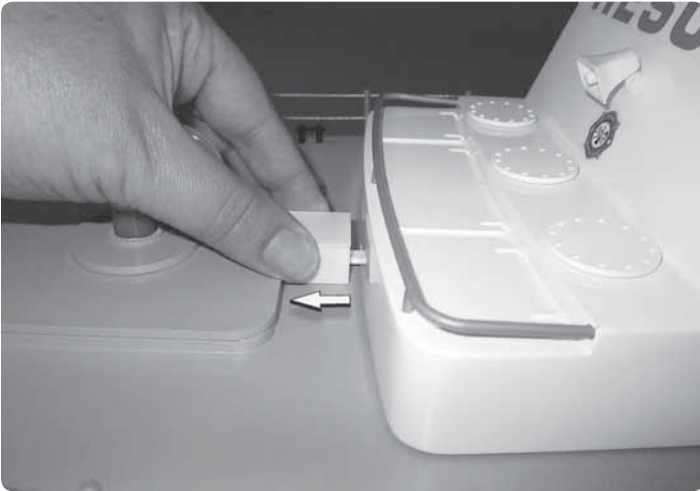
Outside the USA and Canada, contact your local importer for warranty information.

**HOBBY SERVICES** Ph: (217) 398-0007  
3002 N. Apollo Drive, Suite 1 9:00 am - 5:00 pm  
Champaign, Illinois 61822 Central Time M-F  
E-mail: [hobbyservices@hobbico.com](mailto:hobbyservices@hobbico.com)

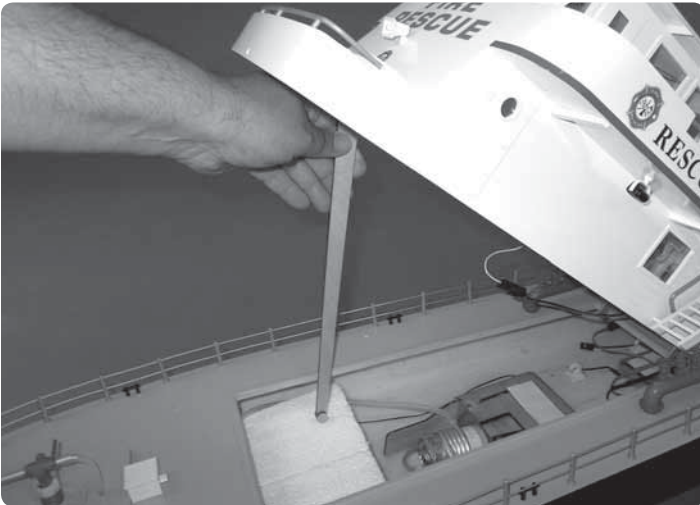


## Assembly

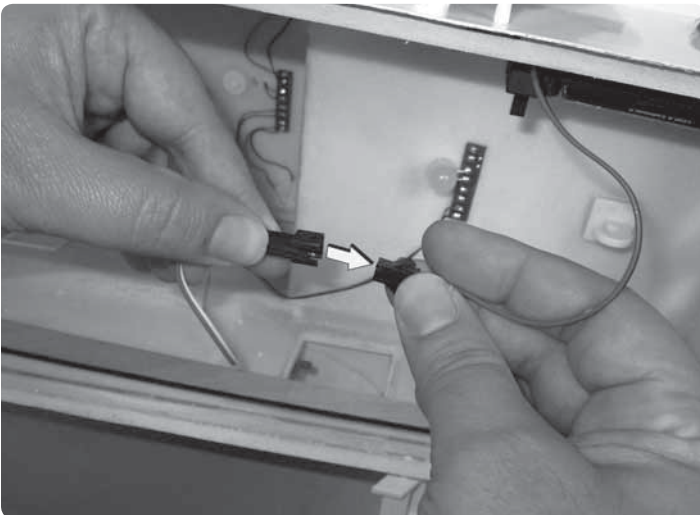
### HULL AND LIGHTING SYSTEM



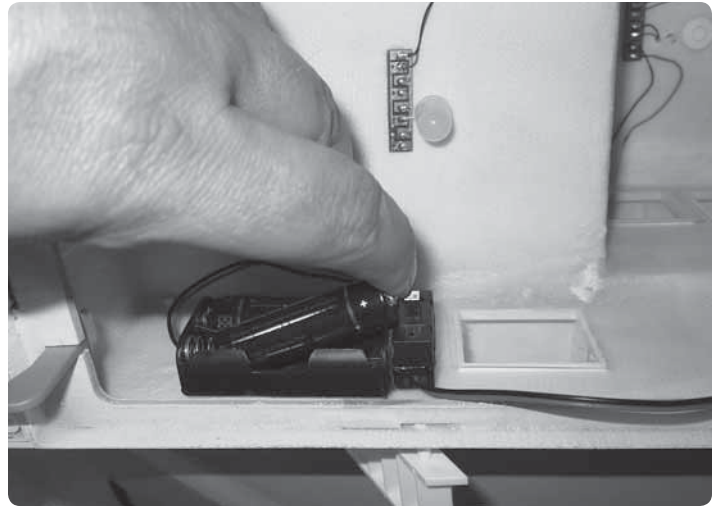
Pull the cabin latch forward.



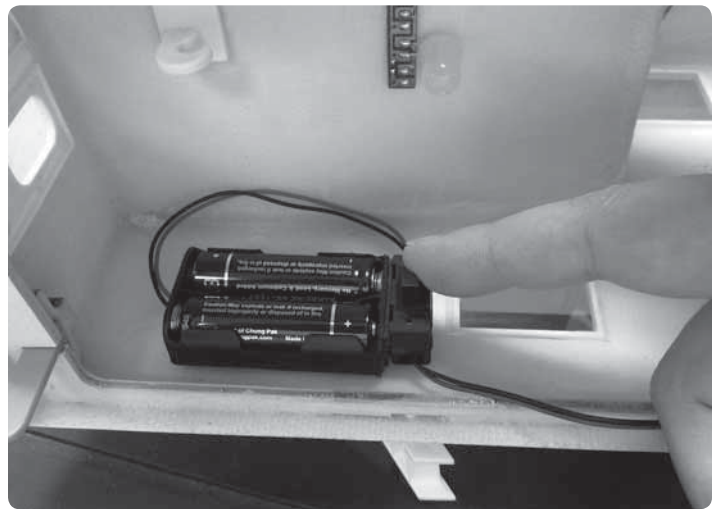
Lift the front of the cabin and move the cowl support to keep the cabin up.



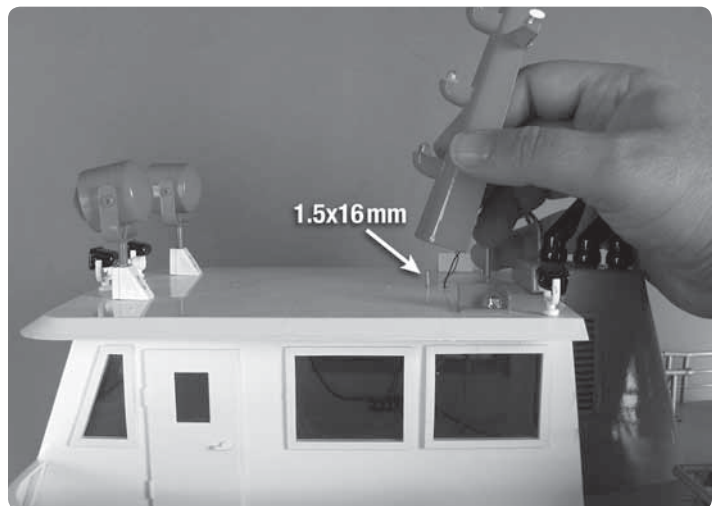
Connect the lighting plugs together as shown. **NOTE: The plugs only fit together one way.**



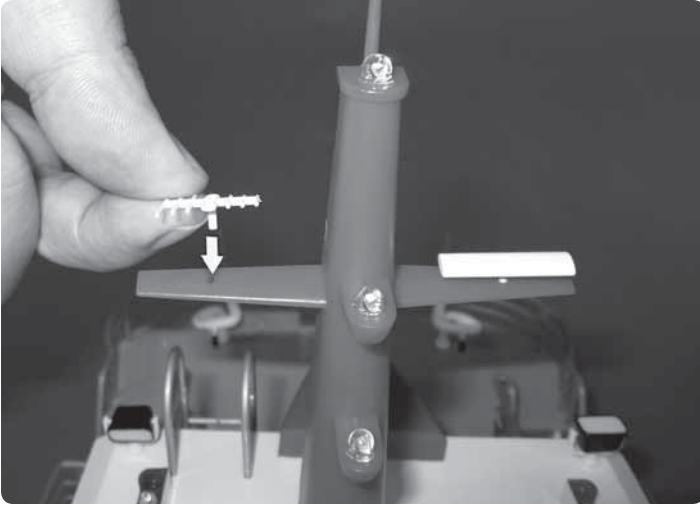
Install two new "AA" batteries into the lighting system battery holder. Be sure to follow the positive (+) and negative (-) pattern molded into the the battery holder.



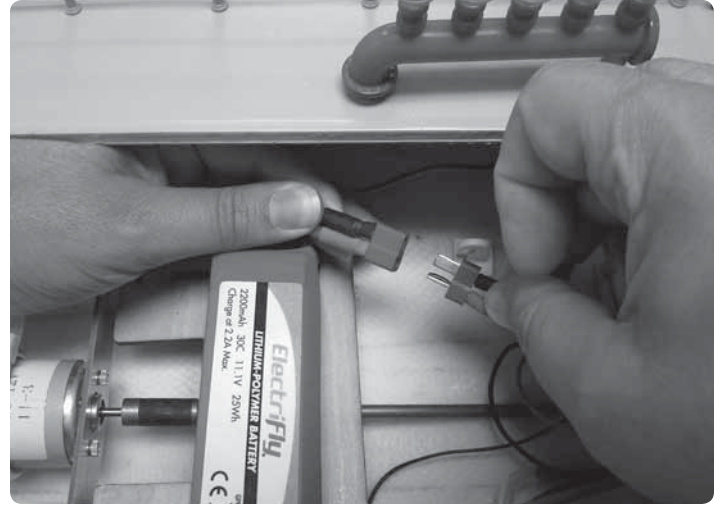
The lighting system has its own power switch. Turn the power on to illuminate the running and cabin lights.



Through the inside of the cabin use a Phillips screwdriver to secure the light mast to the top of the cabin using provided the 1.5x16mm screw as shown.



Using CA, glue the peg on the bottom of the antenna into the hole in the lightmast.



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. **WARNING:** Unplug the battery any time the boat is not in use.

### BATTERY PACK INSTALLATION

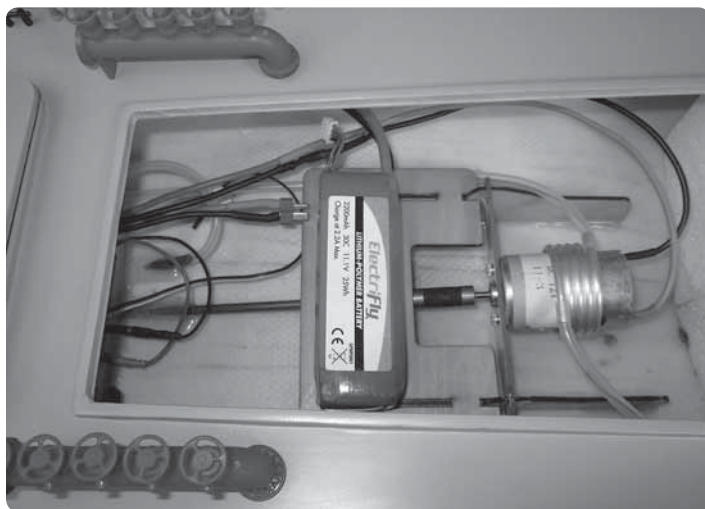
#### **IMPORTANT!**

Never leave a charger and battery pack unattended while charging.

Use only the recommended batteries and appropriate charger.

Do not attempt to charge the battery while it is in the boat.

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



Peel the backing off of the supplied hook and loop material and apply the "loop" side to the battery pack. Place the fully-charged battery pack onto the battery tray as shown.

### Radio System

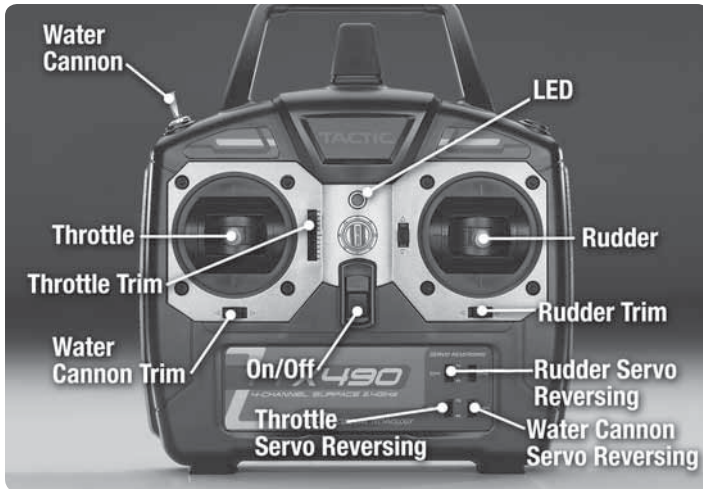
#### **INSTALL THE TRANSMITTER BATTERIES**

**IMPORTANT NOTE:** The transmitter is not water resistant and should never come in contact with water!



Slide the battery door off from the back of the transmitter. Install four fresh "AA" batteries in the configuration molded into the battery holder. Reinstall the battery door.

## Before Launching Your Rescue 17

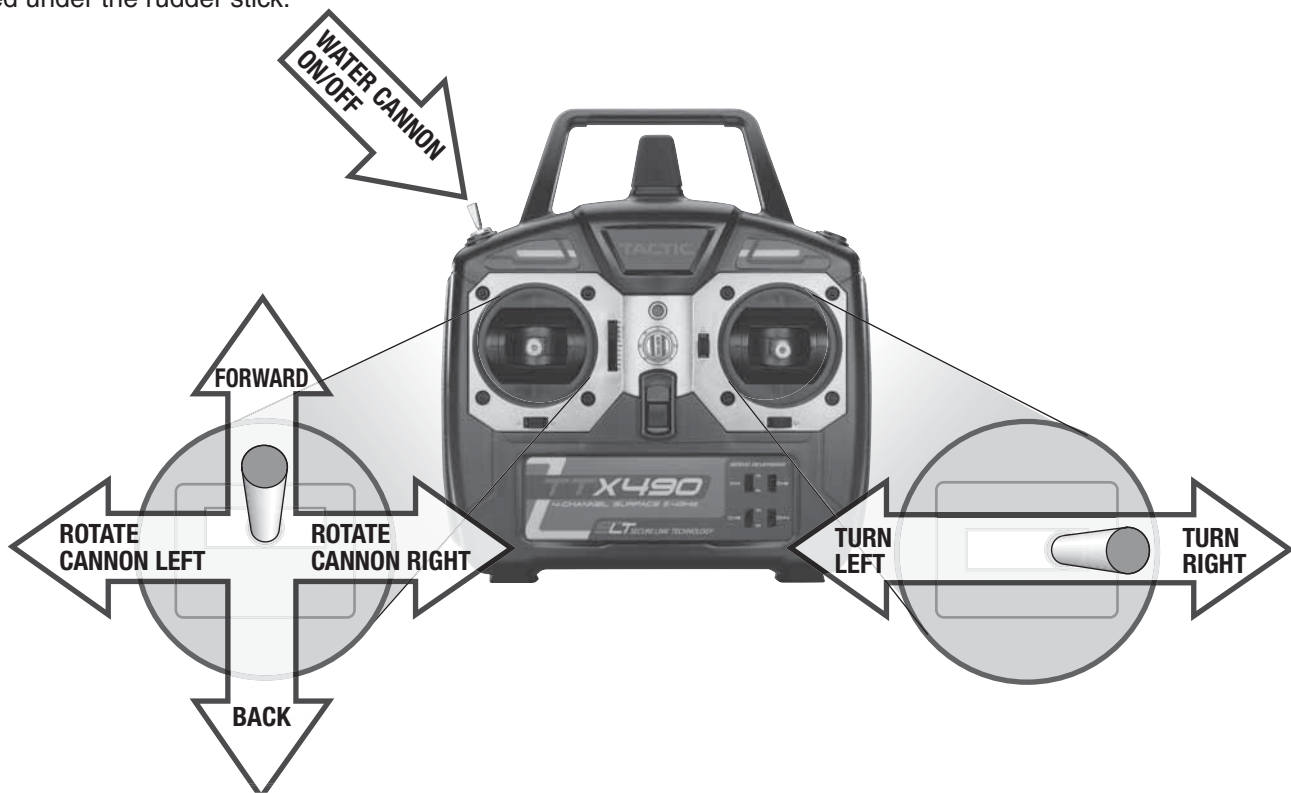


Turn the transmitter on using the switch on the front. The red LED above the ON/OFF switch should light up. If the LED does not light, turn the transmitter off and check that the batteries are installed properly. **If you see a flashing LED, the batteries are low and need to be replaced.**

### CHECK THE RADIO SYSTEM

1. Turn on the TX.
2. Turn on the ESC. It will beep once to confirm it has power, then it will pause for 1 second and beep again to confirm it is armed.
3. Stand behind the boat and move the rudder side stick to the left. The back of the rudder should move to the left. If not flip the #1 servo reversing lever (located under the rudder stick) to the opposite position and check again.
4. Let go of the rudder stick. The rudder should return to center (pointing straight). If not adjust the rudder trim using the lever located under the rudder stick.

- **NEVER** attempt to swim after a stalled or capsized boat! Wait patiently for the currents to return the boat to shore.
  - R/C models produce vibrations which can cause screws 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 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 Rescue 17's power off and unplug the battery before attempting to remove them.
  - **CAUTION:** Your Rescue 17 may take on small amounts of water. Keep a roll of paper towels handy and dry out the hull interior after every run.
  - Total run time of the Rescue 17 is approximately 10-15 minutes (begin with a fully charged battery pack). When you notice a decrease in power the ESC has reached its low voltage cutoff point 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) and unplug the battery.
  - After running, store your Rescue 17 with the hatches opened to allow the interior to dry out completely.
- 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 and radio equipment from the boat. Allow the components to air dry completely before reassembling. Reinstall the components and check for proper operation.





## Launch Procedure

1. Turn the power on to the transmitter and receiver (in that order).
2. Place the boat in water that is at least 8" deep and free of obstacles.
3. Advance the throttle to half speed and note if the boat has a tendency to turn right or left. Adjust the steering trim on the transmitter until the boat runs straight when the steering is at neutral.
4. When finished running, be sure to turn the power off to your boat and transmitter (in that order).

**NOTE:** If your Rescue 17 should happen to stall, wind and/or water currents will *slowly* carry it to shore. When surveying areas to run your boat, keep variables in mind such as wind direction, size of the lake, strength of 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.

## Safety Precautions

- **Never ever attempt to swim after a stalled R/C boat. Do not get in the water for any reason to retrieve your boat. To aid in retrieving a stalled R/C boat, set up a fishing reel with a tennis ball tied to the end of the line. Better yet, get yourself a small Jon boat so you can row out and pick up your boat. Remember to use a PFD any time you enter your retrieval craft.**
- AquaCraft products are to be used by ages 14 and over.
- Do not touch the propeller anytime the motor is running. Pay equally close attention to items such as loose clothing, shirtsleeves, ties, scarves, long hair or anything that may become entangled in the spinning prop. 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 produce heat. Do not touch any part of your motor until it has cooled.
- This boat is controlled by radio signals, which are susceptible to possible interference from other possible electrical noise.
- If weeds become entangled in the propeller, stop the motor and unplug the battery before attempting to remove them.
- If your boat should happen to stall, water currents will slowly carry it to shore. Keep in mind 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 and lake size. It is not advisable to run R/C boats on any free-flowing bodies of water such as creeks or rivers.
- Always remove the battery pack from the boat when not in use.

## 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 Rescue 17 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 debris.
- Wipe down the boat with glass cleaner and a paper towel.
- Allow the interior plenty of time to dry out before installing the cabin for display.

## Ordering Replacement Parts

To order replacement parts for the AquaCraft Rescue 17, use the order numbers in the replacement parts list. Replacement parts can be purchased from your local hobby shop or by mail order. If you need assistance locating a dealer to purchase parts, visit [www.aquacraftmodels.com](http://www.aquacraftmodels.com) and click on "Where to buy". If you are missing parts, contact Hobbico Product Support at:

Phone: 217.398.8970

Fax: 217.398.7721

E-mail: [productsupport@hobbico.com](mailto:productsupport@hobbico.com)

## Parts List

AQUB6221	Drive Dog with Prop Nut
AQUB6331	Decal Sheet
AQUB6466	Rear Hatch Cover
AQUB6467	Front Hatch Cover
AQUB6468	Cabin Super Structure with LED
AQUB6904	Water Cooling Lines
AQUB7766	535 Injection Molded Prop (2)
AQUB7854	Motor Coupler
AQUB7898	Water Cooling Coil
AQUB7915	Drive Shaft
AQUB7951	Water Pump Motor Mounting Plate
AQUB7952	Water Cannon
AQUB7953	Water Cannon Servo Horn
AQUB7954	Water Cannon Servo Plate
AQUB7955	Water Pump
AQUB7956	Rubber Band Hooks (4)
AQUB7957	ESC Multi Motor Controller
AQUB8764	Rudder Steering Arm
AQUB8765	Rudder Linkage with E-Z Connector
AQUB8766	Rudder
AQUG1063	Main Motor 600
AQUG1064	Water Pump Motor
AQUM7039	Battery Holder with Switch 2 Cell AA
FUTM0031	Rudder Servo
TACJ2490	TX490 Transmitter
TACL0400	RX400 Receiver



# **AQUACRAFT<sup>®</sup>**

***Models***