

Turbo Vee II™

RTR
READY-TO-RUN



ASSEMBLY AND OPERATION MANUAL

WARRANTY

- Tower Hobbies® will warrant this kit for 90 days after the purchase from defects in materials or workmanship. This warranty does not cover any component parts damaged by use or modification. Tower Hobbies will either repair or replace, at no charge, any part deemed defective due to those causes.
- Make sure you **save the receipt or invoice** you were given when you purchased your model! It is your proof of purchase and we must see it before we can honor the warranty.
- To return your Tower Turbo Vee II for repairs covered under warranty, send your boat to:

Hobby Services

1610 Interstate Drive
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

THANK YOU FOR PURCHASING THE TOWER HOBBIES TURBO VEE II™ ELECTRIC BOAT! THIS MANUAL CONTAINS THE INSTRUCTIONS YOU NEED TO SAFELY BUILD, OPERATE, AND MAINTAIN YOUR ELECTRIC R/C BOAT. READ OVER THIS MANUAL THOROUGHLY BEFORE OPERATING THE TURBO VEE II.

SAFETY PRECAUTIONS

- Avoid touching the propeller anytime that the electronics are turned "ON." Pay equally close attention to items such as loose clothing, shirt sleeves, 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.
- Because of the speed and mass of this boat, it is capable of inflicting property damage and severe personal injury if a collision occurs. **Do not** run this boat in the presence of swimmers or where the possibility of collision with people or property exists.
- This boat is controlled by radio signals, which are subject to possible interference from other R/C transmitters, paging systems or other electrical noise. Before turning your radio on, make sure that nobody else in the area is operating a radio on the same frequency (channel).
- 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 Turbo Vee II 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.

REPAIR SERVICE

After the 90-day warranty, you can still have your Turbo Vee II repaired for a small charge by the experts at Tower'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, this includes the boat and radio.
2. Make sure **all batteries are removed from the boat and radio!**
3. Send written instructions. 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.**
4. 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. Tower Hobbies maintains no responsibility for inadvertent errors in this manual.

ITEMS REQUIRED FOR COMPLETION

- TOWC1030–Tower 7.2 volt 1500mAh NiCd battery pack (1 required)
- TOWP0100– Tower Model 400 AC/DC Auto-Charger
- Eight (8) "AA" batteries (for the transmitter)

TOOL BOX ITEMS YOU MAY NEED

- Phillips head screwdriver
- Needle-nose pliers
- 4mm Wrench for changing props

FINAL ASSEMBLY

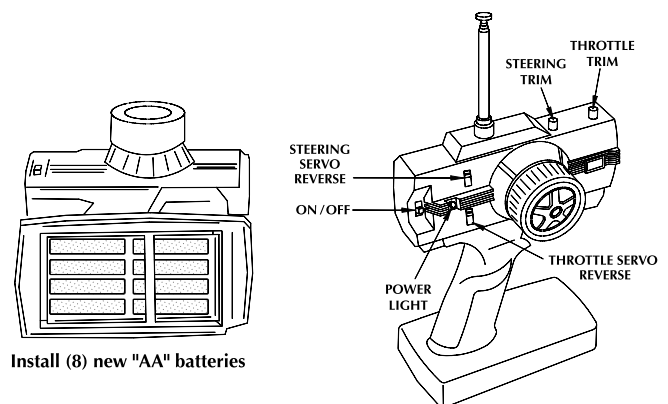
Decals

- 1. Carefully remove your Turbo Vee II from the box and place it atop the included boat stand. Remove all remaining components from the box. **You may wish to keep the box in order to more easily transport and store your Turbo Vee II.**

Decals have been provided for your Turbo Vee II. Simply cut them out, peel, and stick! See the photos on the box for decal placement.

Transmitter Assembly

- 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.



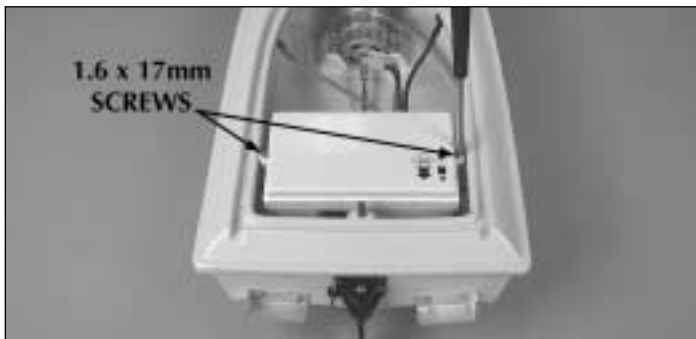
- 2. Slide off the battery door on the bottom of the transmitter. Install 8 new "AA" batteries in the configuration molded into the battery holder. Replace the battery door.

○ 3. Turn on the transmitter 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 off the transmitter 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.

Receiver Antenna



○ 1. Remove the body pin toward the rear of the hatch cover and carefully remove the hatch.



○ 2. Using a small Phillips screwdriver, remove the two 1.6 x 17mm screws and **carefully** lift the radio box cover.



○ 3. Uncoil the receiver antenna wire and route it through the small hole in the rear wall of the radio box. Replace the radio box cover and secure it with the two 1.6 x 17mm screws.

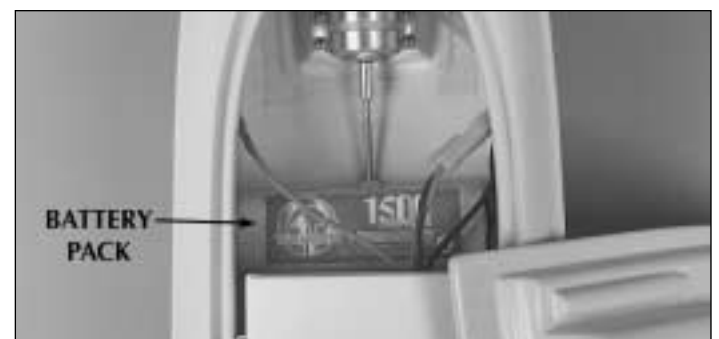


○ 4. Run the receiver antenna wire up through the antenna tube mount (the small opening located toward the rear of the hatch).



○ 5. Thread the receiver antenna wire through the antenna tube and insert the antenna tube into the antenna tube mount. **DO NOT CUT OFF THE EXCESS ANTENNA WIRE!**

Installation of the Battery Pack



○ 1. Plug a fully charged battery pack into the speed control's battery connector and position the pack as shown in the photo. **Use the included hook and loop material to hold the battery pack in place.**

○ 2. Turn on the transmitter and then, move the boat's ON/OFF switch to the "ON" position.



○ 3. Replace the hatch and body pin.

Check the Radio System

- Standing behind the boat with both the vessel and transmitter powered up, rotate the transmitter's steering wheel to the left. The back of the rudder should move towards the left. Move the wheel to the right. The back of the rudder should move towards the right. If this is not the case, simply move the steering servo reverse switch to the other position.

- Squeeze the trigger on the transmitter. This should make the propeller rotate counterclockwise. Conversely, pushing the trigger forward should make the propeller rotate clockwise.

- The electronic speed control is factory set. No other adjustments are needed. If the motor still rotates when you let off of the trigger, adjust the throttle trim on the transmitter.

Operation of the Turbo Vee II

- Before operating your Turbo Vee II, it is a good idea to make sure all screws are securely fastened.

- Place the boat in water that is at least 8" deep and free of obstacles (weeds, sticks, wildlife, etc.).

- Periodically remove the driveshaft and relube with a thin coat of petroleum jelly or light grease.

- 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 will run in a straight line, when the steering wheel is at neutral.

- **CAUTION:** Windy conditions cause rough water that will affect the performance of your Turbo Vee II and increase the chances of capsizing.

- Total run time of the Turbo Vee II will be approximately 5 minutes (assuming you begin with fully charged battery pack). When you notice a decrease in the power of the motor, it's time to head for shore.

- **CAUTION:** Some of the electronic components may become hot! Allow a minute or two to let your motor and speed control cool off before changing the battery pack.

- Your Turbo Vee II may occasionally take on small amounts of water, especially when running in rough water or when making tight turns. Keep a roll of paper towels handy and dry out the hull interior after every run. If you notice excessive amounts of water in the hull, check for leaks, especially around the hull/deck joint. You may reseal the joint using medium cyanoacrylate (CA) glue.

- Always store your Turbo Vee II with the hatch removed to allow the interior to dry out completely. Failure to do so may result in corrosion of the electronic components.

- **IMPORTANT:** If, for whatever reason, your boat takes on a large amount of water, swamps or sinks, causing the electronics to get wet, you must do the following **immediately:** Remove the battery pack and all 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.

- Avoid running the boat in cold weather. The hull and other plastic parts can become brittle at low temperatures. In addition, grease and oil can become thick, causing premature wear and poor performance.

If the boat quits:

If your Turbo Vee II should happen to capsize or quit, water currents will slowly carry it to shore. The boat could be carried to the opposite shore, so it is advisable to notice things like wind direction, size of the lake, strength of river currents, etc., when surveying areas to run your Turbo Vee II.

Helpful Tip

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

GOOD LUCK AND GREAT BOATING!

ORDERING REPLACEMENT PARTS

To order replacement parts for the Turbo Vee II, use the order numbers in the **Replacement Parts List** that follows. Replacement parts are available only as listed and can be purchased from Tower Hobbies.

Replacement Parts List

Order #	Description	Includes
TOWB4590	Prop Set	(2) Props, (2) Washers, (1) Nut, (1) Lock Nut.
TOWB4595	Prop Shaft Set	(1) Shaft, (1) Brass Tube, (1) Coupler, (2) Set Screws.
TOWB4650	Rudder Set	Rudder, Rudder Mount, Rudder Horn, with Hardware.
TOWB4800	Trim Tabs	(1) Left and (1) Right Trim Tab with Hardware.
TOWB4280	Speed Control	(1) Electronic Speed Control.