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Dancing Wings Hobby BC05

Dancing Wings Hobby RC Outrigger Shrimp Boat (BC05) Instruction Manual

Model: BC05

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1. PRODUCT OVERVIEW

The Dancing Wings Hobby RC Outrigger Shrimp Boat (BC05) is a classic style race boat kit designed for enthusiasts. Constructed from laminated plywood, this kit requires assembly and the addition of various hardware and electronic components to become a functional remote-controlled vessel. It features two removable hatch panels for easy access to internal components and rigid carbon fiber sponson boom supports for stability.

This manual provides essential information for assembling, operating, and maintaining your RC Outrigger Shrimp Boat.

2. SETUP & ASSEMBLY

This product is provided in kit form and requires assembly. The following components are typically required and must be sourced separately:

- Propeller Shaft: 3.17mm
- Rudder: 75mm
- Propeller: 1.4x27
- Motor: Watercooled 28mm 3700kv
- ESC: Watercooled 40A+
- Servo: 9g x 1
- Battery: 3S 2200mAh LiPo
- Radio system: 2CH

2.1 Component Identification

Familiarize yourself with the various parts included in your kit and the additional hardware required for assembly.



Image: Various components for the RC boat, including the propeller shaft, rudder mount, nuts, bolts, and a brass coupler.

2.2 Propeller and Shaft Assembly

Attach the propeller to the shaft. Ensure all connections are secure to prevent detachment during operation.



Image: The propeller shaft assembly, showing the shaft before and after the propeller is securely attached.

2.3 Shafting Dimensions

The flexible soft shafting for this model is 340mm in length with a 3.0mm diameter. Proper shaft alignment is critical for optimal performance and to prevent damage.

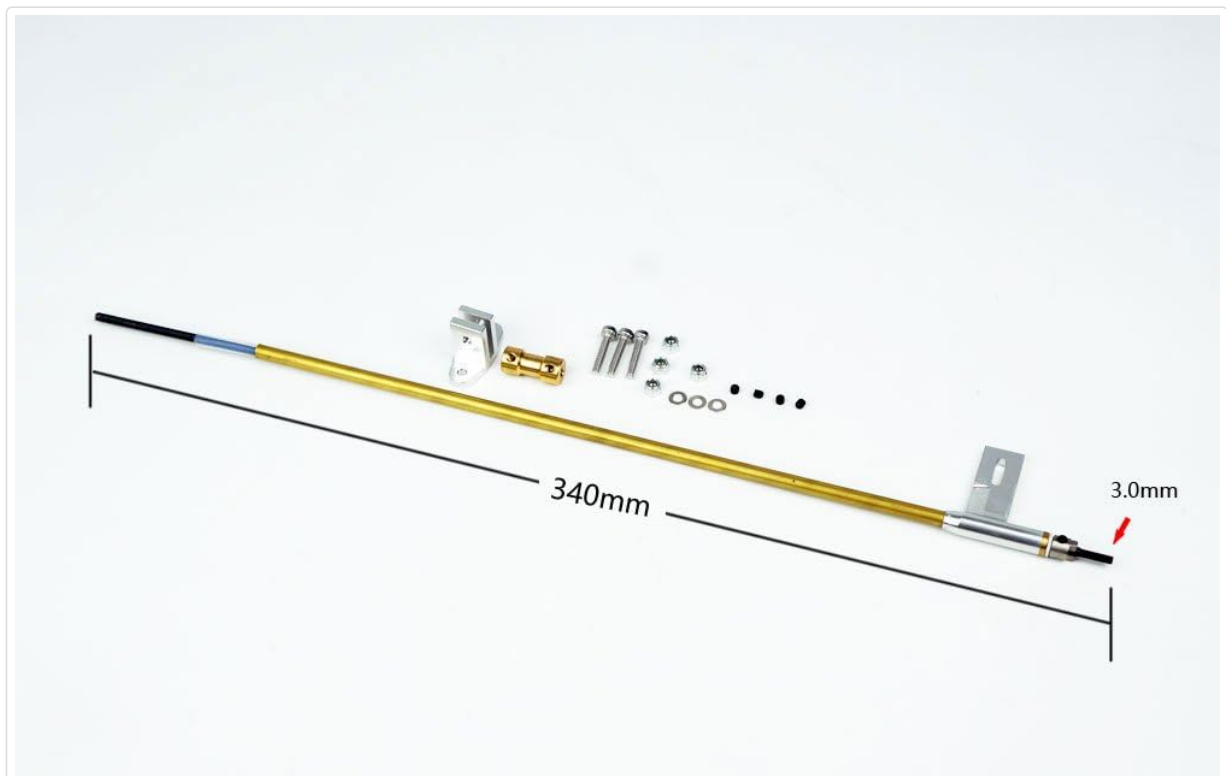


Image: The 340mm flexible soft shafting, highlighting its length and 3.0mm diameter.

2.4 General Assembly Steps (Summary)

1. Assemble the hull from the laminated plywood pieces according to the kit's specific instructions (not detailed here).
2. Install the propeller shaft and rudder assembly. Ensure smooth rotation and proper alignment.
3. Mount the motor, ESC, and servo within the hull. Utilize the removable hatch panels for access.
4. Connect the electronics: motor to ESC, ESC to receiver, and servo to receiver.
5. Install the battery securely within the hull.
6. Bind your 2-channel radio system to the receiver.
7. Perform initial functional checks of steering and throttle before placing the boat in water.

3. OPERATION

Once fully assembled and all electronic components are installed and tested, the RC Outrigger Shrimp Boat is ready for operation. Always operate in open water areas free from obstacles and other watercraft. Ensure your battery is fully charged and your radio system has a strong signal.

3.1 Launching the Boat

Carefully place the boat into the water. Ensure the hull is watertight and no water is entering the electronics compartment. The boat should float level.

3.2 Basic Controls

- **Throttle:** Controls the speed of the boat. Gradually increase throttle for smooth acceleration.
- **Steering:** Controls the rudder for turning. Gentle inputs are recommended for precise control.

3.3 Operational Videos

Observe the boat's performance in these demonstration videos:

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Video: Demonstration of the RC Outrigger Shrimp Boat (BC05) in action on water, showcasing its speed and maneuverability.

Your browser does not support the video tag.

Video: Additional footage of the Wooden Boat Shrimp (BC05) operating on water, highlighting its stability and control.

4. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your RC Outrigger Shrimp Boat.

- **After Each Use:**
 - Rinse the boat with fresh water to remove any salt, dirt, or debris.
 - Dry the boat thoroughly, especially the electronics compartment, to prevent corrosion.
 - Inspect the propeller for damage and ensure it is free of weeds or fishing line.
 - Check all connections for tightness and wear.
- **Periodic Maintenance:**

- Lubricate the propeller shaft as recommended by the shaft manufacturer.
- Inspect the rudder and steering linkages for smooth operation.
- Check battery health and charge cycles.

5. TROUBLESHOOTING

If you encounter issues with your RC Outrigger Shrimp Boat, refer to the following common problems and solutions:

- **Boat not responding to controls:**

- Ensure the transmitter and receiver are powered on and properly bound.
- Check battery levels in both the boat and the transmitter.
- Verify all electronic connections are secure.

- **Reduced speed or power:**

- Check the propeller for damage or obstructions.
- Ensure the battery is fully charged and in good condition.
- Inspect the motor and ESC for signs of overheating or damage.

- **Water inside the hull:**

- Immediately remove the boat from water and dry thoroughly.
- Inspect all seals, hatch covers, and through-hull fittings for leaks.
- Apply marine-grade sealant where necessary.

6. SPECIFICATIONS

Feature	Detail
Hull Material	Laminated plywood
Hull Length	495mm
Width	380mm
Height	60mm
Hull Weight	230g
Recommended Age	18 years and up
Manufacturer	DW Hobby

7. WARRANTY & SUPPORT

For warranty information and customer support, please refer to the documentation provided with your purchase or contact Dancing Wings Hobby directly through their official website or authorized retailers. Keep your proof of purchase for any warranty claims.

It is recommended to register your product, if applicable, to receive updates and support notifications.

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