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Delmitan TM2-Del-AL208-RC6-1067

Delmitan Volantex RC TW 796-1 Tumbler Racer / TW795-1 Vector 28 Propeller Replacement Manual

Model: TM2-Del-AL208-RC6-1067

1. Product Overview

This manual provides instructions for the Delmitan replacement propeller, designed for use with Volantex RC TW 796-1 Tumbler Racer and TW795-1 Vector 28 remote control boats. This propeller is a crucial component for propulsion, ensuring optimal performance of your RC boat.



Figure 1: Delmitan Replacement Propeller. This image shows the Delmitan replacement propeller, featuring a two-blade design and a central hole for a 2mm shaft. It is made of black plastic.

The propeller features a 2mm shaft hole, making it compatible with the specified Volantex RC boat models. It is constructed from durable PE plastic, designed to withstand the demands of RC boat operation.

2. Safety Information

Always prioritize safety when handling RC boat components. Observe the following precautions:

- Ensure the RC boat is powered off and disconnected from its battery before performing any maintenance or installation.
- Handle the propeller with care. While not razor-sharp, edges can be firm.
- Keep fingers and loose clothing away from the propeller when the boat is powered on.
- Store replacement parts out of reach of small children.

3. Installation

Follow these steps to replace the propeller on your Volantex RC TW 796-1 Tumbler Racer or TW795-1 Vector 28 boat:

1. **Power Off:** Ensure the RC boat is completely powered off and the battery is disconnected to prevent accidental activation.
2. **Access Propeller:** Carefully turn the boat over to access the propeller assembly at the stern.
3. **Remove Old Propeller:** Depending on your specific model, the propeller may be secured by a nut, a set screw, or simply pressed onto the shaft. Use appropriate tools (e.g., small wrench, screwdriver) to loosen and remove the old or damaged propeller. Note the orientation of the old propeller for correct installation of the new one.
4. **Inspect Shaft:** Examine the propeller shaft for any damage, bends, or debris. Clean the shaft if necessary.
5. **Install New Propeller:** Slide the new Delmitan propeller onto the 2mm shaft, ensuring it is fully seated and oriented correctly. The curved side of the blades typically faces the direction of thrust (towards the stern).
6. **Secure Propeller:** Re-attach any securing nuts or set screws. Tighten them firmly but do not overtighten, as this can damage the propeller or shaft. Ensure the propeller spins freely without wobbling.
7. **Test:** Reconnect the battery and perform a low-speed test in a safe environment (e.g., a bucket of water or a test stand) to confirm the propeller is functioning correctly and there are no unusual vibrations.



Figure 2: Propeller Installed on RC Boat. This image illustrates the propeller correctly installed on the drive shaft of an RC boat. The red oval highlights the propeller's position at the stern of the boat, ready for operation.

4. Maintenance

Regular maintenance of your propeller ensures longevity and optimal performance:

- **Inspection:** After each use, inspect the propeller for any signs of damage, such as chips, cracks, or bends. Even minor damage can affect performance and balance.
- **Cleaning:** Rinse the propeller with fresh water after use, especially if operating in saltwater or murky conditions, to remove debris and salt residue.
- **Storage:** Store the boat and propeller in a clean, dry place away from direct sunlight and extreme temperatures.
- **Replacement:** Replace the propeller immediately if significant damage is observed. Operating with a damaged propeller can lead to reduced speed, increased vibration, and potential damage to the motor or shaft.

5. Troubleshooting

If you experience issues after propeller replacement, consider the following:

- **Excessive Vibration:**
  - Check if the propeller is securely fastened to the shaft.
  - Inspect the propeller for any damage or imbalance.
  - Ensure no debris is caught in the propeller blades or shaft.
- **Reduced Speed/Thrust:**
  - Verify the propeller is installed in the correct orientation.
  - Check for any obstructions around the propeller.
  - Ensure the propeller is not slipping on the shaft.
- **Propeller Detachment:**
  - Confirm that the securing nut or set screw is tightened sufficiently.
  - Ensure the shaft is not stripped or damaged.

6. Specifications

Brand	Delmitan
Model Number	TM2-Del-AL208-RC6-1067
Compatibility	Volantex RC TW 796-1 Tumbler Racer, TW795-1 Vector 28
Shaft Hole Diameter	2mm
Material	PE Plastic
Part Type	Propeller
Quantity	2 pieces

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