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Aramox 7 1/4 x 5-A

Aramox 7 1/4 x 5-A 3 Blades Aluminum Boat Propeller Instruction Manual

Model: 7 1/4 x 5-A | Brand: Aramox

1. Introduction

This manual provides essential information for the proper installation, operation, maintenance, and troubleshooting of your Aramox 7 1/4 x 5-A 3 Blades Aluminum Boat Propeller. Please read this manual thoroughly before use to ensure safe and efficient performance.

2. Safety Information

- Always ensure the engine is turned off and the ignition key is removed before handling the propeller.
- Propeller blades are sharp. Handle with care to prevent injury.
- Wear appropriate protective gear, such as gloves, during installation or maintenance.
- Regularly inspect the propeller for damage. Do not operate with a damaged propeller.
- Keep hands, feet, and clothing clear of the propeller at all times.

3. Specifications

The Aramox 7 1/4 x 5-A propeller is designed for small outboard motors, including inflatable boats. Key specifications are listed below:

Feature	Specification
Model	7 1/4 x 5-A
Material	Aluminum
Number of Blades	3

Feature	Specification
Color	White
Approximate Diameter	7 1/4 inches (18.4 cm)
Approximate Pitch	5 inches (12.7 cm)
Weight	Approximately 0.01 Kilograms (0.352 ounces)
Recommended Engine Horsepower	Up to 3.5 HP

Note: The propeller dimensions are approximate and may vary slightly. Ensure compatibility with your outboard motor shaft and shear pin system.

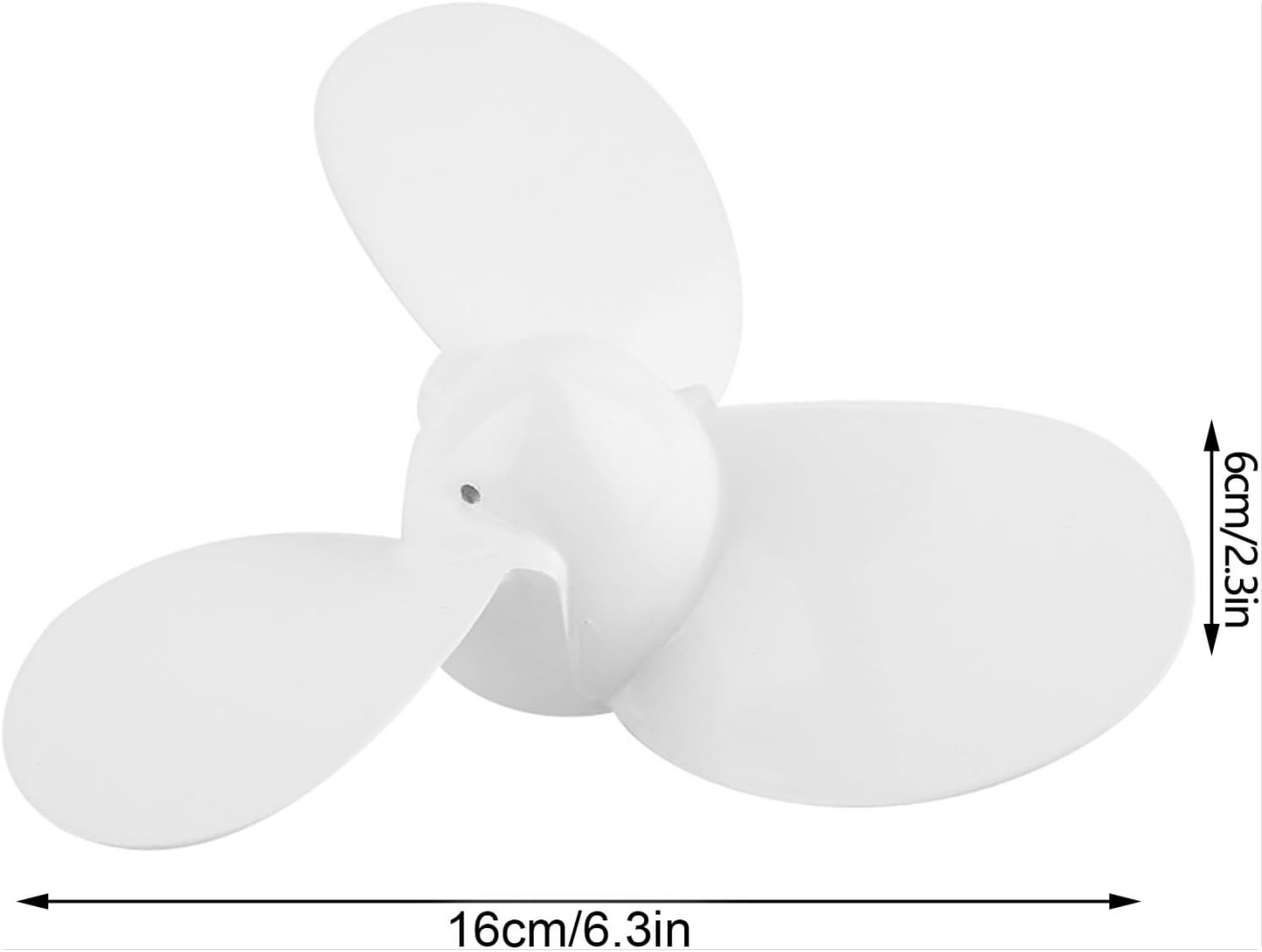


Image: Propeller with approximate dimensions. The propeller measures approximately 16cm (6.3 inches) in length and 6cm (2.3 inches) in height.

4. Setup and Installation

Proper installation is crucial for the performance and longevity of your propeller. Follow these steps carefully:

1. **Preparation:** Ensure your outboard motor is turned off and the ignition key is removed. Tilt the motor up to access the propeller shaft.
2. **Remove Old Propeller (if applicable):** Remove the cotter pin, castle nut, and any washers or spacers. Carefully slide the old propeller off the shaft.
3. **Inspect Shaft:** Clean the propeller shaft and inspect it for any damage or debris. Ensure the shear pin hole is

clear.

4. **Install Shear Pin:** Insert a new shear pin into the designated hole on the propeller shaft. The shear pin is designed to break if the propeller strikes an object, protecting the engine.
5. **Install Propeller:** Align the propeller hub with the shear pin and slide the propeller onto the shaft. Ensure it seats properly against the gearcase.
6. **Secure Propeller:** Place any washers or spacers back onto the shaft, followed by the castle nut. Tighten the castle nut securely, but do not overtighten.
7. **Insert Cotter Pin:** Insert a new cotter pin through the hole in the propeller shaft and bend its ends to secure the castle nut. This prevents the nut from loosening during operation.
8. **Final Check:** Gently rotate the propeller by hand to ensure it spins freely and is properly secured.

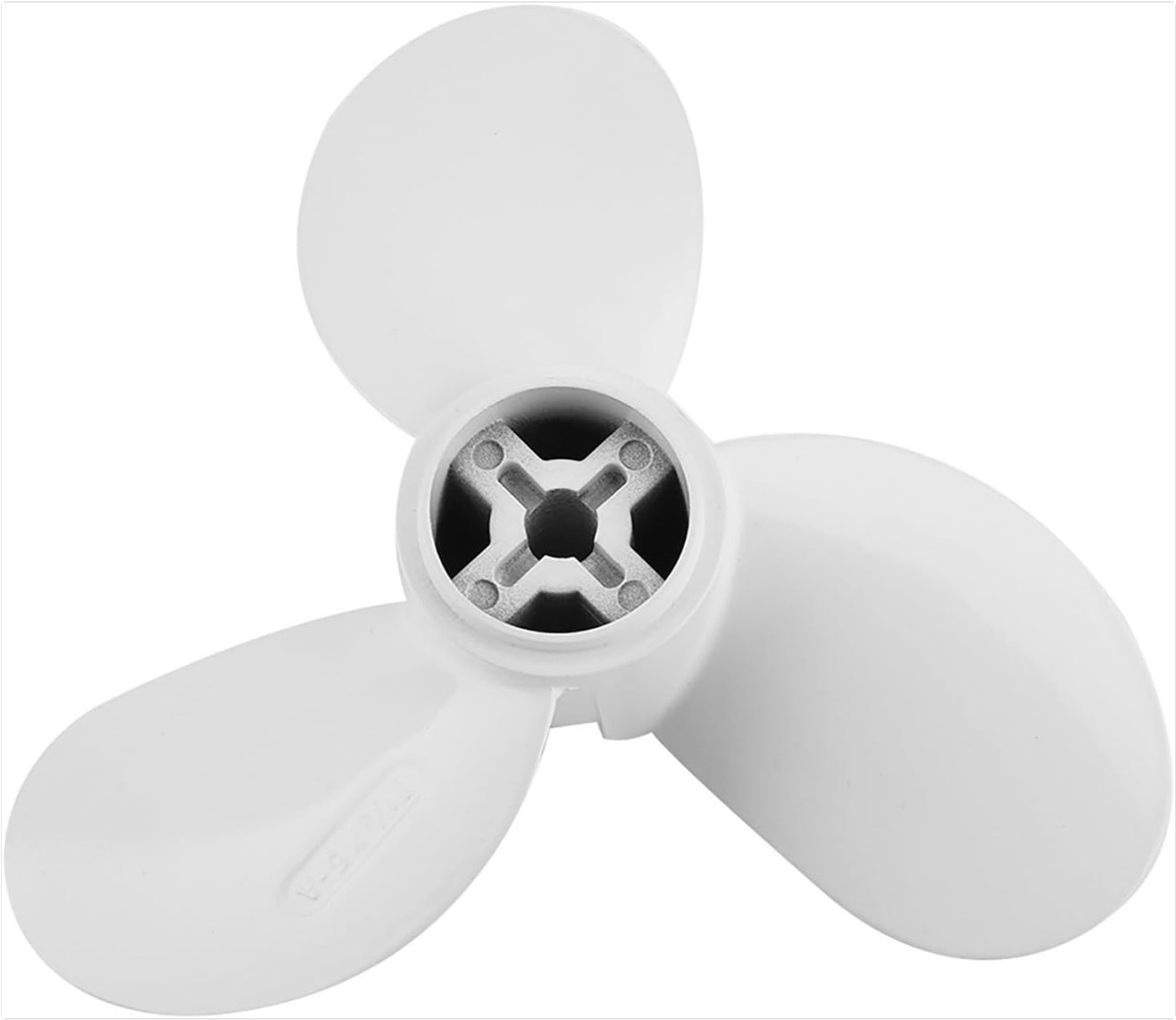


Image: View of the propeller hub, illustrating the area where the shear pin engages with the propeller shaft.



Image: Comparison of 'New Type' and 'Old Type' propeller models. Users should note that variations may exist, and both types are compatible with the specified motor models.

5. Operating Guidelines

Once the propeller is correctly installed, observe the following guidelines for operation:

- Before starting the engine, visually inspect the area around the propeller for any obstructions.
- Avoid operating the boat in extremely shallow water or areas with known underwater obstacles to prevent propeller damage.
- If you notice unusual vibrations or a sudden loss of thrust, immediately shut down the engine and inspect the propeller for damage or entanglement.

6. Maintenance

Regular maintenance will extend the life of your propeller and ensure optimal performance:

- **Cleaning:** After each use, especially in saltwater, rinse the propeller with fresh water to remove salt, sand, and marine growth.
- **Inspection:** Periodically inspect the propeller blades for nicks, bends, cracks, or other signs of damage. Even minor damage can affect performance and cause vibration.

- **Shear Pin:** Check the shear pin for wear or damage. Replace it if it shows signs of fatigue or if it has broken.
- **Storage:** When storing the boat for extended periods, consider removing the propeller, cleaning it thoroughly, and storing it in a protected area to prevent damage.

7. Troubleshooting

Refer to the following table for common issues and their potential solutions:

Problem	Possible Cause	Solution
Excessive Vibration	Damaged or bent propeller blade; debris wrapped around propeller; loose propeller nut.	Inspect propeller for damage, remove debris, ensure propeller nut is tightened correctly. Replace propeller if damaged.
Loss of Thrust/Engine Revs but No Movement	Broken shear pin; propeller not fully engaged on shaft.	Replace shear pin. Ensure propeller is correctly installed and secured.
Propeller Noise	Propeller cavitation; damaged propeller.	Check for proper engine trim. Inspect propeller for damage and replace if necessary.

8. Warranty and Support

Aramox offers a **24-month product assurance** for this propeller. If you encounter any issues or have questions regarding your product, please contact Aramox customer support. Our team is available to assist you with product-related inquiries.
For support, please visit the official Aramox store on Amazon or refer to your purchase documentation for contact details.

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