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AFT PRO USA 1

AFT PRO USA 10-inch Flat Free Tires Instruction Manual

Model: 1

1. Introduction

This manual provides essential information for the proper installation, operation, and maintenance of your AFT PRO USA 10-inch Flat Free Tires. These solid, airless tires are designed for various utility applications, offering durability and eliminating the need for inflation.
Please read this manual thoroughly before installation and use to ensure safe and efficient operation.

2. Product Features

- **Flat-Free Design:** Solid construction eliminates punctures and the need for air, ensuring consistent performance.
- **Durable Construction:** Made from robust rubber and urethane with an alloy steel hub for long-lasting use.
- **Versatile Application:** Suitable for hand trucks, dollies, utility carts, wheelbarrows, generators, and other equipment requiring 10-inch wheels with a 5/8-inch axle bore.
- **Optimal Size:** 10 inches tall and 3-1/4 inches wide, with a 5/8-inch center bore ID.
- **High Visibility:** Bright orange color for easy identification.



Image: A pair of AFT PRO USA 10-inch Flat Free Tires, showcasing their solid orange design and black hub.

3. Setup and Installation

These tires are designed for straightforward replacement on compatible equipment. Ensure your equipment's axle diameter matches the tire's bore size (5/8 inch).

3.1. Required Tools

- Wrench or socket set (appropriate size for axle nuts/bolts)
- Pliers (for cotter pins, if applicable)

- Gloves (optional, for protection)

3.2. Installation Steps

1. **Prepare Equipment:** Secure the equipment (e.g., hand truck, cart) on a stable surface to prevent movement during installation.
2. **Remove Old Wheel:**
    - If present, remove the cotter pin and washer from the end of the axle.
    - Unscrew any nuts or bolts securing the old wheel.
    - Carefully slide the old wheel off the axle.
3. **Inspect Axle:** Clean the axle and inspect it for any damage or wear.
4. **Install New Wheel:**
    - Slide the new AFT PRO USA flat-free tire onto the axle, ensuring the hub is properly aligned.
    - Reinstall any washers, nuts, or bolts. Tighten securely, but do not overtighten, allowing the wheel to spin freely.
    - If using a cotter pin, insert a new one (or the original if in good condition) through the axle hole and bend its ends to secure it.
5. **Test Wheel:** Gently spin the newly installed wheel to ensure it rotates smoothly without binding.

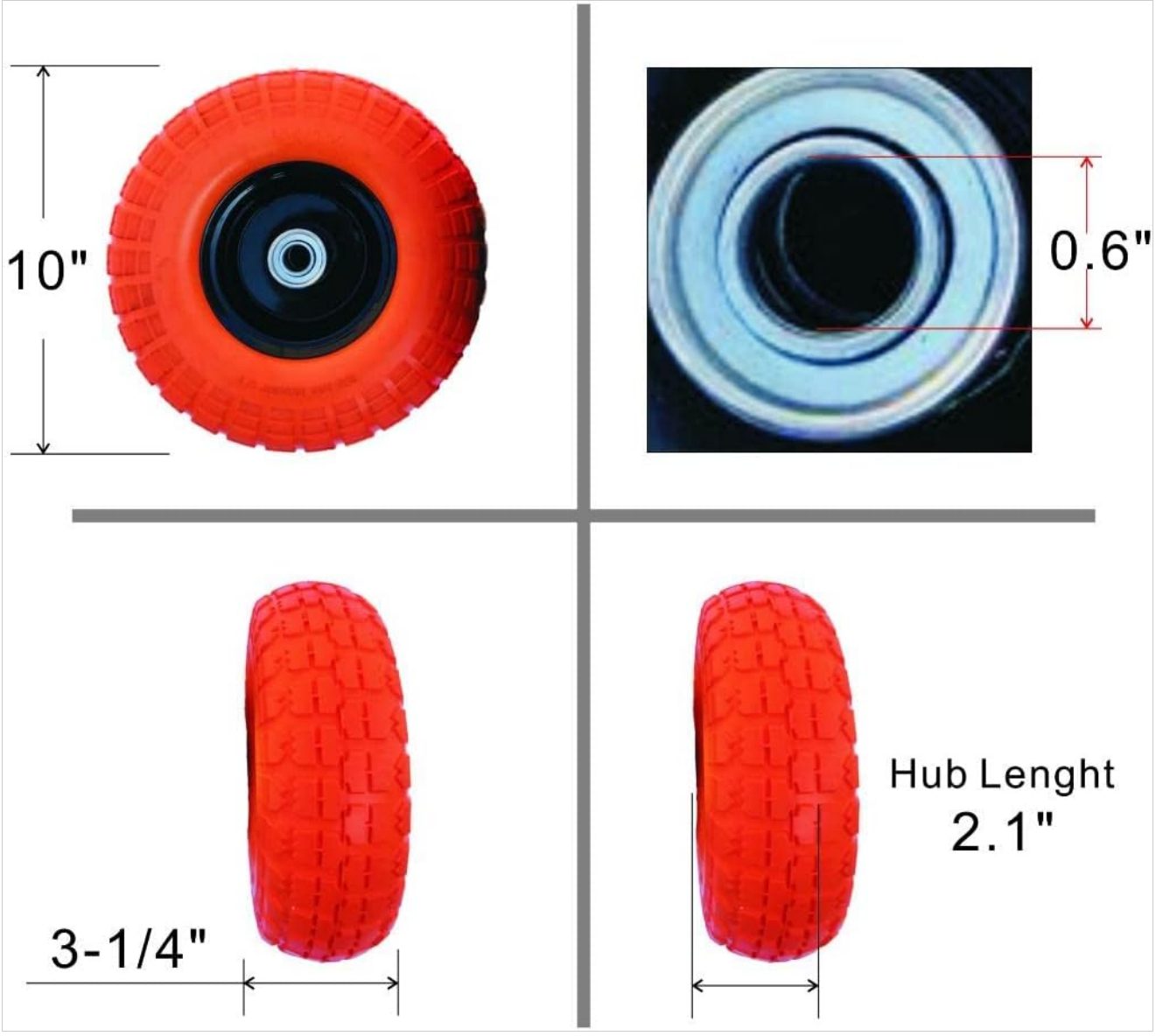


Image: Dimensional diagram of the AFT PRO USA 10-inch Flat Free Tire, highlighting key measurements for compatibility.

4. Operating Instructions

Once installed, your AFT PRO USA Flat Free Tires are ready for use. These tires are designed to provide reliable performance without the need for air pressure checks or inflation.

- **Load Capacity:** Always adhere to the load capacity limits of your equipment (hand truck, cart, etc.). While the tires are robust, overloading can damage the equipment or axle.
- **Surface Compatibility:** These tires perform well on various surfaces, including concrete, asphalt, grass, and dirt. Their solid construction provides stability.
- **Storage:** Store equipment with these tires in a cool, dry place away from direct sunlight and extreme temperatures to prolong their lifespan.

5. Maintenance

AFT PRO USA Flat Free Tires require minimal maintenance due to their solid construction.

- **Cleaning:** Periodically clean the tires and hubs to remove dirt, debris, and grime. Use a damp cloth and mild soap if necessary. Avoid harsh chemicals that could degrade the material.
- **Axle Inspection:** Regularly check the axle, washers, and securing pins/nuts for wear, corrosion, or looseness. Tighten any loose fasteners.
- **Bearing Check:** Ensure the bearings within the hub rotate freely. If you notice excessive friction or noise, inspect the bearings for damage.

6. Troubleshooting

Problem	Possible Cause	Solution
Wheel does not spin freely.	Axle nut/bolt overtightened; debris in bearing; bent axle.	Loosen axle nut slightly; clean bearing area; inspect and replace bent axle if necessary.
Wheel wobbles during use.	Loose axle nut/bolt; worn bearings; bent axle.	Tighten axle nut/bolt; inspect and replace bearings; inspect and replace bent axle if necessary.
Tire material appears damaged.	Impact damage; exposure to harsh chemicals; excessive wear.	Avoid impacts; clean with mild soap only; replace tire if damage affects performance or safety.

7. Specifications

Feature	Detail
Quantity	2 (as a pack)
Wheel Diameter	10 inches
Wheel Width	3-1/4 inches (3.25 inches)
Axle Bore ID	5/8 inches

Feature	Detail
Hub Diameter	4.5 inches
Hub Length	2.1 inches (from image)
Material	Rubber, Urethane, Alloy Steel (hub)
Color	Orange
Item Weight (each)	Approximately 3 Pounds
Compatible Vehicle Types	Hand trucks, dollies, wheelbarrows, utility carts, generators, etc.

8. Warranty and Support

Specific warranty information for AFT PRO USA 10-inch Flat Free Tires is not provided in the product details. For warranty claims or technical support, please contact AFT PRO USA directly through their official channels or the retailer where the product was purchased.
Always retain your proof of purchase for any warranty-related inquiries.

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