

X-PRO 396-999078

X-PRO 21-inch Front Wheel Rim Tire Assembly (Model 396-999078) Instruction Manual

For Dirt Bikes with 15mm Axle

INTRODUCTION

This manual provides essential information for the proper installation, use, and maintenance of your X-PRO 21-inch Front Wheel Rim Tire Assembly. This assembly is designed for dirt bikes requiring a 21-inch front wheel with an 80/100-21 tire and a 15mm axle. Please read these instructions thoroughly before installation to ensure safety and optimal performance.

Important Note: This wheel assembly is specifically designed for disc brake systems and does not fit the Hawk 250 model.

SETUP AND INSTALLATION

Proper installation is crucial for safety and performance. If you are unsure about any step, consult a qualified mechanic.

- Safety First:** Ensure the motorcycle is securely supported on a stand. Wear appropriate safety gear, including gloves and eye protection.
- Remove Old Wheel:**
 - Loosen the axle nut and pinch bolts (if present) on the front fork.
 - Carefully remove the front axle.
 - Detach the brake caliper from the disc rotor (do not disconnect the brake line). Secure the caliper out of the way.
 - Remove the old front wheel.
- Inspect New Wheel:** Before installation, inspect the new X-PRO wheel assembly for any shipping damage. Verify the tire pressure is within the recommended range (check tire sidewall for specifications).
- Install New Wheel:**
 - Align the brake disc rotor with the brake caliper.
 - Carefully slide the new wheel into the front fork, ensuring the 15mm axle fits correctly through the wheel bearings and fork mounts.
 - Insert the front axle through the fork and wheel hub.

- Reattach the brake caliper to the fork, ensuring the disc rotor is properly seated within the caliper. Tighten caliper bolts to manufacturer specifications.
- Tighten the axle nut to the motorcycle manufacturer's specified torque.
- Tighten any pinch bolts on the front fork to manufacturer specifications.

5. Final Checks:

- Spin the wheel to ensure it rotates freely without rubbing.
- Check brake operation. The brake lever should feel firm and engage the brake effectively.
- Verify all nuts and bolts are tightened to their correct torque specifications.



Figure 1: X-PRO 21-inch Front Wheel Rim Tire Assembly, showing the complete unit with tire, rim, and hub.



Figure 2: Angled view of the X-PRO 21-inch Front Wheel Rim Tire Assembly, highlighting the knobby tire tread and spoke design.

OPERATING CONSIDERATIONS

Once installed, the wheel assembly is an integral part of your dirt bike's performance and safety. Adhere to the following guidelines:

- **Tire Pressure:** Regularly check and maintain the correct tire pressure as specified by the tire manufacturer and your motorcycle's manual. Incorrect pressure can affect handling, tire wear, and safety.
- **Brake System:** Ensure your disc brake system is functioning correctly after installation. Test brakes at low speed in a safe area before riding.
- **Compatibility:** This wheel is designed for dirt bikes with a 15mm axle and disc brakes. Confirm compatibility with your specific motorcycle model before use.

MAINTENANCE

Regular maintenance extends the life of your wheel assembly and ensures safe operation.

- **Tire Inspection:** Periodically inspect the tire for wear, cuts, punctures, or embedded objects. Replace the tire if wear indicators are visible or if damage is significant.
- **Spoke Tension:** Check spoke tension regularly. Loose spokes can lead to wheel instability and damage. Tighten spokes as needed, or have a professional service them.
- **Bearing Inspection:** Check wheel bearings for play or roughness. Worn bearings should be replaced immediately to prevent wheel failure.

- **Rim Inspection:** Inspect the rim for dents, cracks, or bends, especially after impacts. A damaged rim can compromise tire seating and wheel integrity.
- **Cleaning:** Clean the wheel assembly regularly to remove dirt, mud, and debris, which can hide damage or accelerate wear.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Wheel does not spin freely.	Brake caliper rubbing, axle overtightened, bent rim, worn bearings.	Check caliper alignment, loosen axle nut slightly (then re-torque), inspect rim for damage, replace bearings.
Excessive wobble or play in wheel.	Loose spokes, worn wheel bearings, bent rim.	Check and tighten spokes, replace wheel bearings, inspect/replace rim.
Tire loses air pressure quickly.	Puncture, faulty valve stem, improper tire bead seating.	Inspect tire for damage, replace valve stem, re-seat tire bead, or replace tube/tire.
Brakes feel spongy or ineffective.	Air in brake line, worn brake pads, contaminated rotor.	Bleed brake system, replace brake pads, clean rotor. (Note: This wheel assembly does not include brake components, but proper brake function is critical after wheel installation).

SPECIFICATIONS

- **Product Type:** Front Wheel Rim Tire Assembly
- **Brand:** X-PRO
- **Model Number:** 396-999078
- **Wheel Size:** 21 inches
- **Tire Size:** 80/100-21
- **Axle Compatibility:** 15mm Axle
- **Brake Type:** Designed for Disc Brake systems only
- **Brake Rotor Center Hole Diameter:** 90mm
- **Brake Rotor Fit ID:** 58mm
- **Sprocket Center Hole Diameter:** 90mm (Note: This is a front wheel, sprocket compatibility might be listed for general hub dimensions)
- **Sprocket Fit ID:** 58mm (Note: This is a front wheel, sprocket compatibility might be listed for general hub dimensions)
- **Construction:** Radial
- **Load Index:** 80.00
- **Speed Rating:** B
- **Tread Depth:** 15 Millimeters
- **Vehicle Service Type:** Dirt Bike

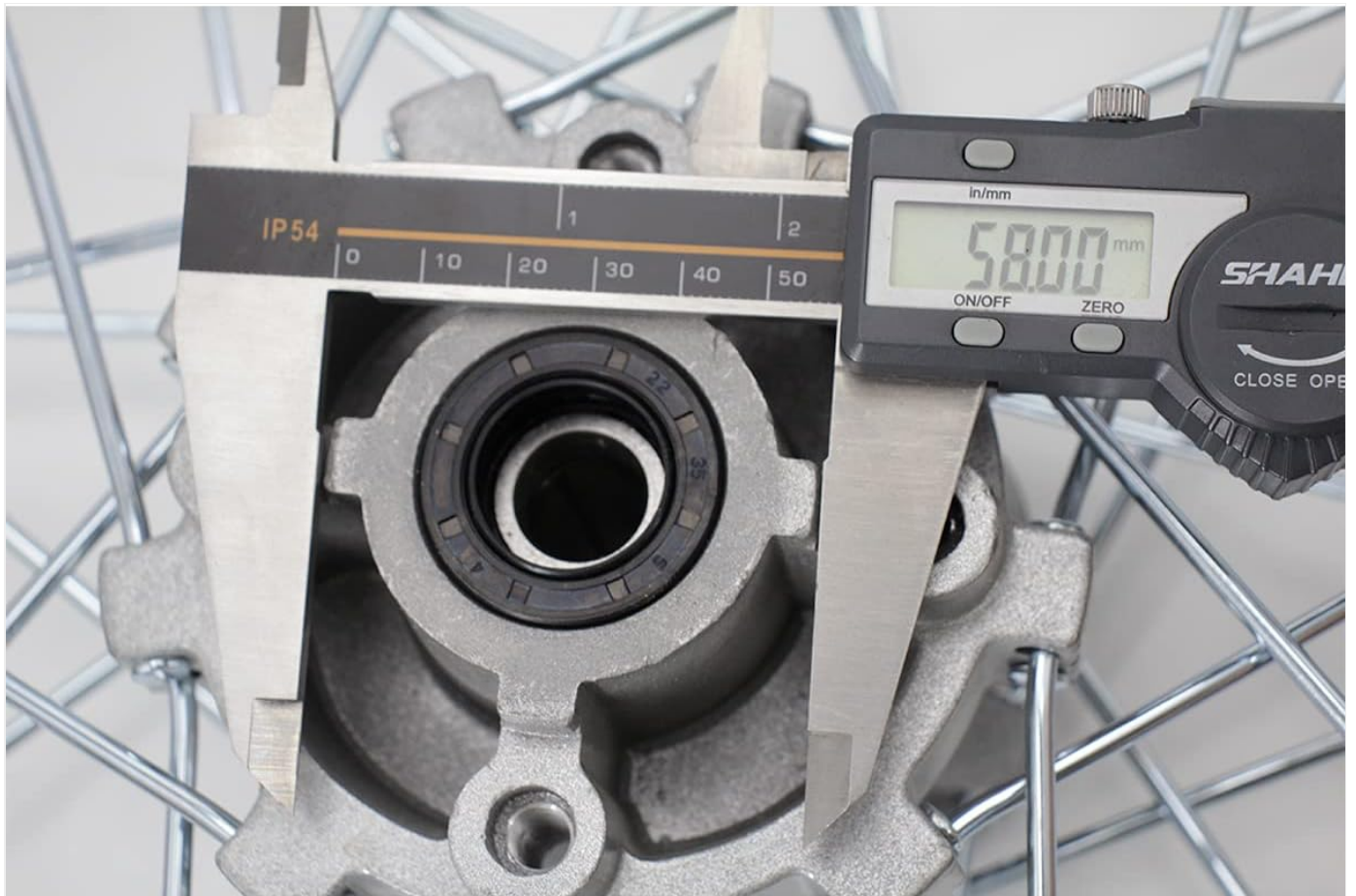


Figure 3: Measurement showing the 58mm inner diameter for brake rotor fitment on the wheel hub.

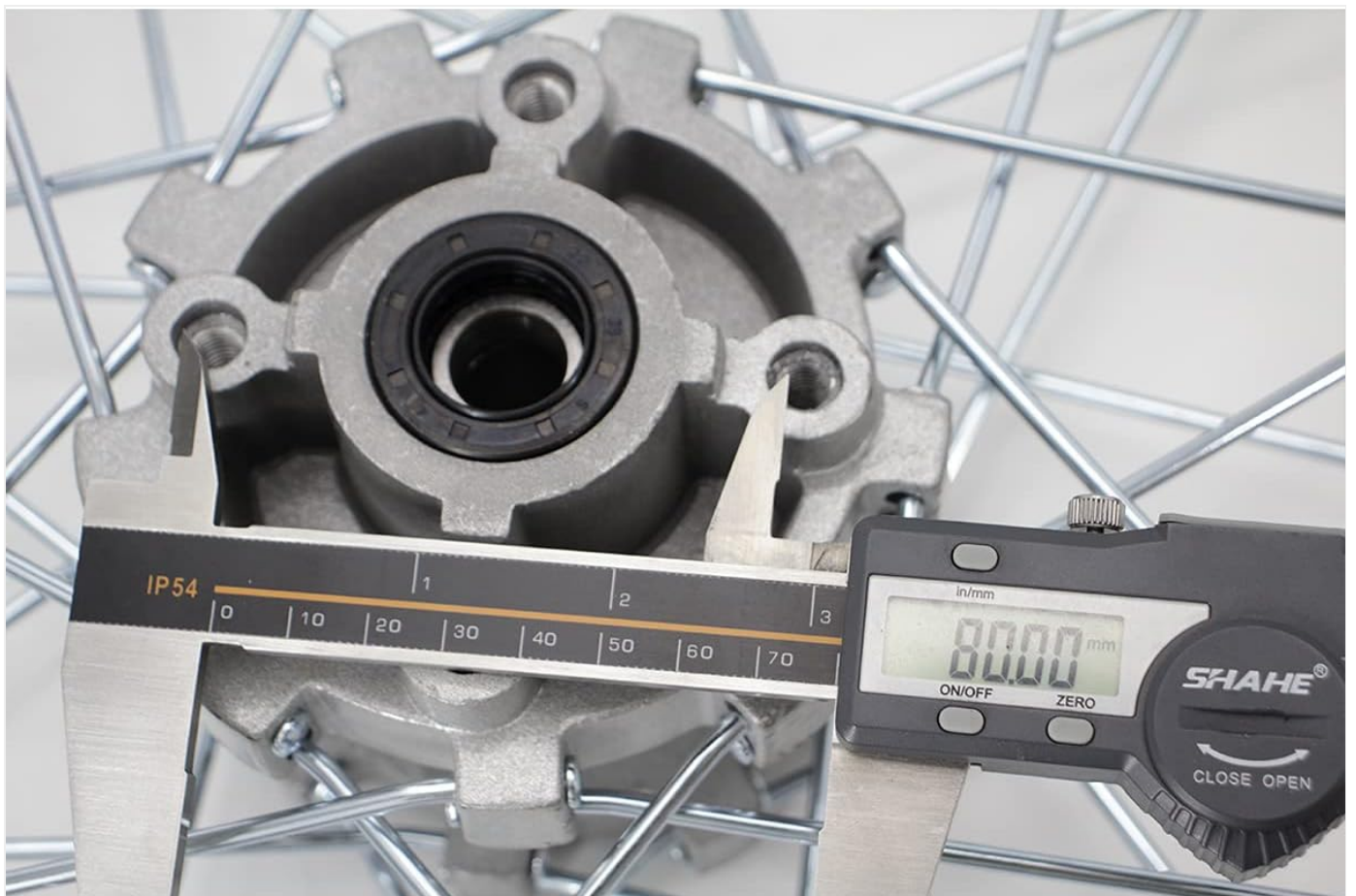


Figure 4: Measurement showing the 90mm center hole diameter for brake rotor attachment on the wheel hub.



Figure 5: Close-up view of the tire sidewall, clearly displaying the 80/100-21 size marking.

WARRANTY INFORMATION

Specific warranty details for X-PRO products are typically provided at the point of purchase or on the manufacturer's official website. Please retain your proof of purchase for any warranty claims. Warranty coverage generally applies to manufacturing defects and does not cover damage resulting from improper installation, misuse, accidents, or normal wear and tear.

SUPPORT AND CONTACT





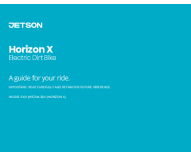

For technical assistance, parts inquiries, or further support regarding your X-PRO 21-inch Front Wheel Rim Tire Assembly, please contact X-PRO customer service through their official channels. Refer to the retailer's website or your purchase documentation for contact information.

You can also visit the official X-PRO store for more product information:[X-PRO Store on Amazon](#)



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Related Documents - 396-999078

	<p>X-PRO 50cc 2-Stroke Dirt Bike Owner's Manual</p> <p>Comprehensive owner's manual for the X-PRO 50cc 2-Stroke Dirt Bike, covering safety, assembly, operation, maintenance, troubleshooting, and warranty information. Designed for competition use only.</p>
	<p>X-PRO Motorcycle Quick Start Guide and Tips</p> <p>Essential quick start guide and tips for X-PRO motorcycles, including assembly advice, maintenance recommendations, and warranty information.</p>
	<p>X-PRO ATV Speed Limiter Adjustment and Operation Tips</p> <p>A quick guide from X-PRO on how to adjust the speed limiter on your ATV (model HS110A-A/ATV-D02), along with essential operating tips for safe and proper use. Includes support contact information.</p>
	<p>X-PRO ATV Speed Limiter Adjustment and Operation Tips</p> <p>Learn how to adjust the speed limiter on your X-PRO ATV (CT110-2/ATV-P012) and find essential operating tips for safe and optimal performance. Includes guidance on oil changes, battery, and more.</p>
	<p>Jetson Horizon X Electric Dirt Bike User Manual</p> <p>Comprehensive user manual for the Jetson Horizon X Electric Dirt Bike, covering safety warnings, product overview, getting started, features, riding tips, maintenance, and warranty information.</p>
	<p>ACID E-BIKE FRONT LIGHT PRO-E 200 HB X-CONNECT User Manual & Technical Data</p> <p>Comprehensive user manual and technical specifications for the ACID E-BIKE FRONT LIGHT PRO-E 200 HB X-CONNECT, including mounting instructions, safety guidelines, and product details. Learn how to install and use your high-performance bicycle light.</p>