

Challenge 00618

Challenge Baby Limus Pro Cyclocross Tire User Manual

Model: 00618

1. INTRODUCTION

This manual provides essential information for the proper installation, use, and maintenance of your Challenge Baby Limus Pro cyclocross tire. Please read this manual thoroughly before installation and use to ensure optimal performance and longevity of your tire.

2. PRODUCT OVERVIEW



The image displays the Challenge Baby Limus Pro cyclocross tire, showcasing its distinctive black tread pattern and tan sidewall. The tire is curved, indicating its shape when mounted on a wheel, with the knobby tread designed for off-road traction clearly visible.

The Challenge Baby Limus Pro is a high-performance cyclocross tire designed for a wide range of conditions, from wet sand and sticky mud to dry, fast-packed courses. It features a handmade tubeless-ready clincher design with a supple 300TPI SuperPoly casing and natural rubber tread for superior grip, confident cornering, and responsive handling. This tire also incorporates a Puncture Protection System (PPS) for enhanced durability.

Key Features:

- **All-around Cyclocross Performance:** Optimized for varying race conditions.
- **Handmade Tubeless Ready Clincher:** Combines suppleness with tubeless compatibility.
- **300TPI SuperPoly Casing:** Provides a comfortable ride and excellent road feel.
- **Natural Rubber Tread:** Ensures improved grip and confident cornering.
- **Puncture Protection System (PPS):** Enhances resistance to punctures.
- **UCI-Legal 33mm Casing:** Complies with international cycling union regulations.

3. SETUP AND INSTALLATION

Proper installation is crucial for the performance and safety of your tire. It is recommended that installation be performed by a qualified bicycle mechanic if you are unfamiliar with the process.

Tools Required:

- Tire levers (plastic recommended to avoid rim damage)
- Floor pump with pressure gauge
- Tubeless sealant (if setting up tubeless)
- Valve core remover (if setting up tubeless)

Installation Steps (Tubeless Ready Clincher):

1. **Prepare the Rim:** Ensure your rim is clean, free of debris, and has tubeless-compatible rim tape properly installed.
2. **Install One Bead:** Place one bead of the tire onto the rim. Ensure the tire's rotation direction (if indicated) matches the direction of travel.
3. **Install Valve Stem:** If using a tubeless valve, insert it through the rim valve hole and secure it with the lock nut.
4. **Install Second Bead:** Carefully work the second bead of the tire onto the rim. This may require tire levers for the final section. Avoid pinching the tire or rim tape.
5. **Add Sealant:** If setting up tubeless, remove the valve core and inject the recommended amount of tubeless sealant into the tire. Reinstall the valve core.
6. **Inflate the Tire:** Inflate the tire rapidly to seat the beads. You may hear a series of pops as the beads snap into place. Continue inflating to the recommended pressure range (26-35 PSI).
7. **Check for Leaks:** Rotate the wheel to distribute the sealant and check for any air leaks around the beads or valve stem.

Note: For traditional clincher setup with an inner tube, insert the partially inflated tube inside the tire before seating the second bead.

4. OPERATING GUIDELINES

The Baby Limus Pro tire is designed for cyclocross racing and off-road cycling. Adhere to the following guidelines for optimal performance and safety:

- **Tire Pressure:** Maintain tire pressure within the recommended range of 26-35 PSI (1.8-2.4 BAR). Adjust pressure based on rider weight, terrain, and weather conditions. Lower pressures can improve grip on loose surfaces, while higher pressures reduce rolling resistance on firmer ground.
- **Terrain Suitability:** This tire excels in mixed conditions, including wet sand, mud, and dry, packed dirt. Its tread

pattern is optimized for traction and shedding debris.

- **Braking and Cornering:** The natural rubber tread and supple casing provide excellent grip. Practice braking and cornering on varied surfaces to understand the tire's limits.
- **Avoid Overloading:** Do not exceed the maximum load capacity of your bicycle or tires.

5. MAINTENANCE

Regular maintenance extends the life of your tires and ensures safe riding.

- **Cleanliness:** After each ride, especially in muddy or sandy conditions, clean the tires with water and a soft brush to remove dirt and debris. Avoid harsh chemicals.
- **Inspect for Damage:** Regularly inspect the tire tread and sidewalls for cuts, punctures, cracks, or embedded objects. Remove any sharp objects carefully.
- **Tire Pressure Check:** Check tire pressure before every ride. Tires naturally lose air over time.
- **Sealant Refresh (Tubeless):** Tubeless sealant dries out over time. Check and refresh your sealant every 3-6 months, or as recommended by the sealant manufacturer.
- **Storage:** Store your bicycle in a cool, dry place away from direct sunlight and extreme temperatures. Avoid storing tires near ozone-generating equipment (e.g., electric motors).
- **Tire Replacement:** Replace tires when the tread is worn down, or if significant damage to the casing or sidewall is present. Worn tires reduce grip and increase puncture risk.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Frequent Punctures	Low tire pressure; worn tread; embedded debris; insufficient sealant (tubeless)	Inflate to recommended pressure; inspect and replace worn tires; remove debris; add or refresh sealant.
Tire not seating on rim (tubeless)	Insufficient air volume/pressure; dry beads; incompatible rim/tire combination	Use a compressor or CO2 inflator; apply soapy water to beads; ensure rim and tire are tubeless compatible.
Air loss (tubeless)	Insufficient sealant; sealant dried out; rim tape damage; valve core loose	Add or refresh sealant; inspect and replace rim tape; tighten valve core.
Poor Grip	Incorrect tire pressure; worn tread; unsuitable terrain	Adjust tire pressure; replace worn tires; consider tire choice for specific terrain.

7. SPECIFICATIONS

Attribute	Detail
Model Name	Baby Limus Pro
Part Number	00618
Size	700x33C
Tire Diameter	622 Millimeters (700C)

Attribute	Detail
Tire Width	33 Millimeters
Tire Type	Tubeless Ready Clincher
Casing	300TPI SuperPoly
Tread Material	Natural Rubber
Puncture Protection	PPS (Puncture Protection System)
Recommended PSI	26-35 PSI
Color	Black/Tanwall
Weight	Approximately 0.41 Kilograms (395g)
Manufacturer	Challenge

8. WARRANTY AND SUPPORT

The Challenge Baby Limus Pro tire comes with a manufacturer's warranty. For specific warranty terms and conditions, please refer to the official Challenge website or contact their customer support directly. Keep your proof of purchase for any warranty claims.

For technical support, product inquiries, or warranty service, please contact Challenge Bicycles through their official channels. You can typically find contact information on their official website.

Manufacturer: Challenge
Website: www.challengebicycles.com (Example link, actual link may vary)

