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> IRC TR-011 Rear Trials Tire (4.00-18TL) User Manual

## IRC TR-011

# IRC TR-011 Rear Trials Tire (4.00-18TL) User Manual

Model: TR-011 | Brand: IRC

## 1. INTRODUCTION

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This manual provides essential information for the proper installation, usage, and maintenance of your IRC TR-011 Rear Trials Tire (4.00-18TL). Designed specifically for trial competition, this tire features advanced construction and materials to deliver superior performance. Adhering to the guidelines in this manual will help ensure the longevity and optimal performance of your tire.

## 2. PRODUCT FEATURES

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- **Trial Competition Design:** Engineered specifically for the demands of trial competition, offering precise handling and grip.
- **Dual Rubber Compound:** Features a unique dual-compound construction with softer rubber for the tread area to maximize grip, and harder rubber for the sidewalls to enhance stability and durability.
- **Optimized Tread Blocks:** The tread block design creates a wide, flat footprint, contributing to exceptional traction and stability on varied terrains.
- **Radial Construction:** Utilizes radial construction for improved flexibility, ride comfort, and consistent performance.
- **Superior Gripping Power:** Developed to provide incredible gripping power, crucial for navigating challenging trial courses.



*Image 1: The IRC TR-011 Rear Trials Tire, showcasing its distinctive tread pattern and radial construction. This design is optimized for maximum grip and stability in trial competition environments.*

## 3. INSTALLATION

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Proper installation is critical for tire safety and performance. It is highly recommended that tire installation be performed by a qualified professional using appropriate tools and safety procedures.

### 3.1 Pre-Installation Checks

- **Compatibility:** Ensure the tire size (4.00-18TL) matches your motorcycle's specifications for the rear wheel.
- **Inspection:** Visually inspect the tire for any manufacturing defects or shipping damage before mounting.
- **Rim Condition:** Ensure the rim is clean, free from rust, dents, or sharp edges. Replace or repair damaged rims.
- **Valve Stem:** Use a new valve stem when replacing a tire, especially for tubeless applications.

### 3.2 Mounting Procedure (Professional Recommended)

1. Lubricate the tire beads and rim flanges with a suitable tire mounting lubricant.
2. Carefully mount one bead of the tire onto the rim.
3. Insert the inner tube (if applicable) and partially inflate it to prevent pinching.

4. Mount the second bead onto the rim, ensuring the inner tube is not pinched.
5. Inflate the tire slowly to seat the beads. Listen for two distinct "pops" as the beads seat against the rim. **Do not exceed the maximum seating pressure indicated on the tire sidewall.**
6. Once beads are seated, adjust the tire pressure to the recommended operating pressure for your motorcycle and riding conditions.
7. Check for leaks around the beads and valve stem.

## 4. USAGE AND OPERATION

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The IRC TR-011 is designed for off-road trial competition. Optimal performance depends on correct tire pressure and careful riding practices.

### 4.1 Recommended Tire Pressure

Refer to your motorcycle's owner's manual or the tire manufacturer's recommendations for specific tire pressure settings. Tire pressure can significantly impact grip, handling, and tire wear. Adjust pressure based on rider weight, terrain, and weather conditions. For trial competition, lower pressures are often used to maximize contact patch and grip, but this requires careful monitoring to avoid rim damage or tire slippage.

### 4.2 Riding Conditions

This tire excels in varied off-road conditions typical of trial courses. While its dual compound offers excellent grip, always ride within your skill limits and adapt to changing surface conditions.

## 5. MAINTENANCE

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

- **Tire Pressure:** Check tire pressure before every ride using an accurate gauge. Adjust as necessary.
- **Visual Inspection:** Regularly inspect the tire for cuts, punctures, cracks, bulges, or embedded foreign objects. Remove any debris carefully.
- **Tread Wear:** Monitor tread depth. Replace the tire when the tread wear indicators are visible or when the tread depth is below legal or safe limits for off-road use.
- **Sidewall Condition:** Inspect sidewalls for signs of damage or cracking, which can indicate aging or improper inflation.
- **Cleaning:** Clean the tire with mild soap and water. Avoid harsh chemicals or solvents that can degrade rubber.
- **Storage:** Store tires in a cool, dry place away from direct sunlight, heat sources, and ozone-generating equipment (e.g., electric motors).

## 6. TROUBLESHOOTING

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Issue	Possible Cause	Solution
Rapid or Uneven Tread Wear	Incorrect tire pressure, aggressive riding style, improper wheel alignment, worn suspension components.	Verify and adjust tire pressure. Inspect suspension and alignment. Moderate riding style.

Issue	Possible Cause	Solution
Loss of Air Pressure	Puncture, faulty valve stem, improperly seated bead, rim damage.	Inspect for punctures and repair professionally. Replace valve stem. Re-seat tire bead. Inspect rim for damage.
Poor Grip/Handling	Incorrect tire pressure, worn tread, unsuitable terrain for tire type, suspension issues.	Adjust tire pressure. Replace worn tire. Ensure tire is appropriate for conditions. Check motorcycle suspension.

## 7. SPECIFICATIONS

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Attribute	Detail
Brand	IRC
Model	TR-011 Rear Trials Tire
Item Model Number	302379
Size	4.00-18TL
Construction Type	Radial
Tread Type	Non-Directional
Product Dimensions	Approximately 1 x 1 x 1 inches (Note: This is likely a placeholder dimension from product data, actual tire dimensions will vary)
Unit Count	1.0 Count

## 8. SAFETY INFORMATION

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- Always consult your motorcycle's owner's manual for tire-related safety guidelines and recommendations.
- Never exceed the maximum inflation pressure or load capacity indicated on the tire sidewall.
- Avoid mixing different tire types (e.g., radial with bias-ply) unless specifically approved by the motorcycle manufacturer.
- New tires require a break-in period. Ride cautiously for the first 100 miles (160 km) to allow the tire to scuff in and achieve optimal grip.
- Regularly inspect tires for damage before each ride. Damaged tires can lead to sudden failure.
- Professional installation is strongly recommended to prevent damage to the tire or rim and ensure proper seating.

## 9. WARRANTY AND SUPPORT

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For information regarding warranty coverage, claims, or technical support for your IRC TR-011 Rear Trials Tire, please contact IRC Tire directly or the authorized dealer from whom you purchased the product. Keep your proof of purchase for any warranty inquiries.

You can typically find contact information on the official IRC Tire website: [www.irtire.com](http://www.irtire.com)

