

## IRC RX-01

# IRC RX-01 Road Winner Rear Tire (140/70-17) Instruction Manual

Model: RX-01 | Size: 140/70-17

## 1. INTRODUCTION

This manual provides essential information for the proper installation, use, and maintenance of your IRC RX-01 Road Winner Rear Tire, size 140/70-17. The IRC RX-01 is a sport bias tire designed for balanced abrasion resistance and grip. It features a unique tread design with narrow and wide grooves to provide a flexible tread surface, enhancing road holding and traction, especially on wet surfaces. Adhering to these instructions will help ensure optimal performance and longevity of your tire.

## 2. SETUP AND INSTALLATION

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

### 2.1. Tire Inspection

Before installation, carefully inspect the tire for any signs of damage, manufacturing defects, or foreign objects. Ensure the tire size and specifications match your vehicle's requirements.

### 2.2. Mounting Direction

The IRC RX-01 Road Winner tire features a directional tread pattern. Locate the rotation arrow on the tire's sidewall and ensure the tire is mounted so that this arrow points in the direction of forward rotation of the wheel.

### 2.3. Rim Compatibility

This tire is designed for a 17-inch rim width. Verify that your wheel rim is compatible with this specification.

### 2.4. Initial Inflation

Inflate the tire to the pressure recommended by your vehicle manufacturer, typically found in your vehicle's

owner's manual or on a sticker on the swingarm or frame. Do not exceed the maximum pressure indicated on the tire sidewall (3.1E+2 Kilopascal, or approximately 45 PSI).





**Figure 1:** The IRC RX-01 Road Winner Rear Tire, size 140/70-17. This image displays the tire's full profile, highlighting its directional tread pattern and sidewall markings, including the "ROAD WINNER" branding and size specifications.

## 3. OPERATING GUIDELINES

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### 3.1. Tire Pressure

Maintain correct tire pressure as specified by your vehicle manufacturer. Check tire pressure regularly, at least once a week and before long rides, when the tires are cold. Incorrect tire pressure can lead to premature wear, reduced handling, and increased risk of tire failure.

### 3.2. Break-in Period

New tires require a break-in period of approximately 100-200 miles (160-320 km). During this period, avoid sudden acceleration, hard braking, and aggressive cornering. This allows the tire's surface to scuff in and the components to settle, ensuring optimal grip and performance.

### 3.3. Load Capacity and Speed Rating

Adhere to the load and speed ratings indicated on the tire sidewall and in your vehicle's owner's manual. Exceeding these limits can compromise tire integrity and safety.

## 4. MAINTENANCE

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### 4.1. Regular Inspection

Periodically inspect your tire for signs of wear, cuts, punctures, cracks, or bulges. Remove any embedded foreign objects. If damage is found, have the tire inspected by a professional immediately.

### 4.2. Tread Depth

Check tread depth regularly. Replace the tire when the tread wears down to the minimum legal limit or when the tread wear indicators (small bars molded into the grooves) become flush with the tread surface.

### 4.3. Cleaning

Clean tires with mild soap and water. Avoid using harsh chemicals or petroleum-based products, as these can degrade the rubber compound.

### 4.4. Storage

When storing tires, keep them in a cool, dry place away from direct sunlight, heat sources, and ozone-generating equipment (e.g., electric motors). Store them upright or stacked to prevent deformation.

## 5. TROUBLESHOOTING

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### 5.1. Uneven Wear

Uneven wear can indicate incorrect tire pressure, improper wheel alignment, or suspension issues. Consult a professional to diagnose and correct the underlying cause.

## 5.2. Loss of Pressure

A sudden or consistent loss of tire pressure may be due to a puncture, a faulty valve stem, or a damaged rim. Have the tire inspected and repaired by a professional immediately.

## 5.3. Vibrations

Vibrations felt through the handlebars or seat can be caused by an unbalanced wheel, a bent rim, or a damaged tire. Seek professional assistance for diagnosis and correction.

## 6. SPECIFICATIONS

Feature	Specification
Brand	IRC
Model	RX-01 Road Winner Rear Tire
Size (ISO Metric)	140/70-17
Tread Type	Directional
Maximum Pressure	3.1E+2 Kilopascal (approx. 45 PSI)
Rim Width	17 Inches
Construction Type	Bias
Item Weight	0.01 Ounces (Note: This weight may be a placeholder or incorrect in source data)
Manufacturer Part Number	T10306

## 7. WARRANTY AND SUPPORT

For information regarding warranty coverage or technical support for your IRC RX-01 Road Winner Rear Tire, please refer to the official IRC website or contact your authorized IRC dealer. Keep your purchase receipt as proof of purchase for any warranty claims.