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## MASTERCRAFT Glacier MSR

# Mastercraft Glacier MSR Winter Tire User Manual

Model: 265/70R17 115T

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## 1. PRODUCT OVERVIEW

The Mastercraft Glacier MSR winter truck and SUV tire is engineered to provide reliable performance and control in challenging winter driving conditions. Its unique winter tread compound is designed to offer balanced grip on dry, wet, and snowy surfaces. This tire is built for strength, durability, and control, and is Severe Weather Rated.



Figure 1: Mastercraft Glacier MSR 265/70R17 115T SL Tire. This image shows the tire with its tread pattern and sidewall markings, including "Glacier MSR".



Figure 2: Graphic illustrating key features and benefits of the Mastercraft Glacier MSR tire, such as enhanced grip and stability in winter conditions.

## Key Features:

- **Stability & Control:** The Glacier MSR tire features an increased contact area compared to its predecessor, enhancing stability and control in severe winter weather.
- **Excellent Grip in Snow:** The tread design utilizes trapped snow to improve grip, reducing slippage on snow-covered roads.
- **Enhanced Cornering Grip:** Engineered for quicker and more consistent reaction during turns on snow and ice, providing improved control in corners.
- **Ultimate Ice Traction:** Designed to accommodate tire studs for extreme grip and traction on ice, enabling performance in the most challenging conditions.

## 2. SETUP AND INSTALLATION

Proper installation of your Mastercraft Glacier MSR tires is crucial for safety and optimal performance. It is highly recommended that tire installation, mounting, and balancing be performed by a qualified professional tire technician.

### 2.1 Pre-Installation Checks

- Ensure the tire size (265/70R17 115T) matches your vehicle's specifications as recommended by the vehicle manufacturer.
- Inspect the tire for any visible damage or defects prior to mounting.
- Verify that the wheel rim is clean, undamaged, and compatible with the tire size.

### 2.2 Mounting and Balancing

Tires must be mounted on approved rims using proper mounting procedures and equipment. Incorrect mounting can cause the tire to fail, resulting in serious injury or death.

- Use appropriate lubrication on the tire beads and rim flanges.
- Inflate the tire slowly and carefully, ensuring the beads seat properly. Never exceed 40 psi (2.75 bar) to seat beads.
- Once beads are seated, adjust inflation pressure to the vehicle manufacturer's recommended cold inflation pressure, found on the vehicle's placard (usually on the driver's side door jamb, glove compartment, or fuel filler flap).
- Balance the tire and wheel assembly to prevent vibrations and ensure even wear.

## 2.3 Stud Installation (Optional)

The Mastercraft Glacier MSR tire is designed to be studded for enhanced ice traction. If studding is desired, it must be performed by a professional using the correct stud size and type for this tire model. Studs should be installed only in new tires before they are put into service.

## 3. OPERATION GUIDELINES

To maximize the performance and lifespan of your Mastercraft Glacier MSR tires, adhere to the following operational guidelines, especially during winter conditions.

### 3.1 Tire Pressure

- Maintain the cold inflation pressure recommended by your vehicle manufacturer. Check pressure at least once a month, or before long trips, and always when tires are cold (driven less than a mile).
- Under-inflation or over-inflation can lead to premature wear, reduced fuel efficiency, and compromised handling and safety.
- Remember that tire pressure decreases in cold weather (approximately 1 PSI for every 10°F drop in temperature). Adjust accordingly.

### 3.2 Winter Driving Tips

- **Reduce Speed:** Always drive at a speed appropriate for the road conditions, especially on snow and ice.
- **Increase Following Distance:** Allow significantly more space between your vehicle and the one in front to ensure adequate stopping distance.
- **Smooth Inputs:** Avoid sudden acceleration, braking, or steering maneuvers. Gentle inputs help maintain traction.
- **Be Aware of Black Ice:** Pay attention to shaded areas, bridges, and overpasses where black ice can form.

## 4. MAINTENANCE

Regular maintenance is essential for extending the life of your tires and ensuring safe driving.

### 4.1 Tire Rotation

- Rotate your tires every 5,000 to 7,500 miles, or as recommended by your vehicle manufacturer. Regular rotation helps promote even tread wear across all four tires.
- Consult your vehicle's owner's manual for the recommended rotation pattern.

## 4.2 Inspection

- Regularly inspect your tires for signs of damage, such as cuts, punctures, bulges, or cracks.
- Check tread depth. The minimum legal tread depth is typically 2/32 inch (1.6 mm). Winter tires often perform best with more tread depth.
- Look for uneven wear patterns, which can indicate issues with alignment, balance, or inflation pressure.

## 4.3 Cleaning and Storage

- Clean tires with mild soap and water. Avoid harsh chemicals that can degrade rubber.
- When storing winter tires off-season, clean them thoroughly, ensure they are dry, and store them in a cool, dry place away from direct sunlight and ozone-producing equipment (e.g., electric motors).

## 5. TROUBLESHOOTING COMMON ISSUES

This section addresses common issues you might encounter with your tires.

Issue	Possible Cause	Solution
Uneven Tread Wear	Improper inflation pressure, misaligned wheels, unbalanced tires, worn suspension components.	Check and adjust tire pressure. Have wheels aligned and balanced by a professional. Inspect suspension.
Vibration or Shimmy	Unbalanced tires, bent rim, worn suspension parts, loose wheel nuts.	Have tires balanced. Inspect rims for damage. Check wheel nuts for proper torque. Consult a mechanic for suspension issues.
Slow Air Leak / Frequent Re-inflation	Puncture, leaky valve stem, damaged rim, bead leak.	Inspect tire for punctures. Have a professional check valve stem, rim, and tire bead for leaks. Repair or replace as necessary.
Reduced Traction in Snow/Ice	Worn tread, improper inflation, driving too fast for conditions.	Check tread depth; replace if worn. Verify correct tire pressure. Adjust driving speed to conditions. Consider studding if not already done.

If you experience any persistent issues or concerns, it is always best to consult with a certified tire professional or your vehicle's service center.

## 6. PRODUCT SPECIFICATIONS

Attribute	Detail

Attribute	Detail
Brand	MASTERCRAFT
Model	Glacier MSR
Size	265/70R17 115T
Seasons	Winter
Section Width	265 Millimeters
Load Capacity	2679 Pounds
Tread Depth	13 32nds
Tread Type	Non-Directional
Maximum Pressure	44 Pound per Square Inch
Ply Rating	Standard Load
Rim Width	8 Inches
Tire Diameter	31.61 Inches
Item Weight	39.35 Pounds
Automotive Fit Type	Universal Fit
UPC	029142950066
Construction Type	Radial
OEM Part Number	90000038256
Manufacturer Part Number	248360
ASIN	B086R74FJR
Date First Available	April 3, 2020

## 7. WARRANTY AND SUPPORT

Mastercraft tires are backed by a manufacturer's warranty. Specific warranty details, including coverage periods and conditions, are typically provided with the tire purchase or can be found on the official Mastercraft Tires website.

### 7.1 Warranty Information

The Mastercraft Glacier MSR tire is backed by a 45-Day Road Test. For full details on the limited warranty, including treadwear warranty (if applicable) and conditions, please refer to the official Mastercraft Tires warranty documentation or contact your authorized Mastercraft dealer.

### 7.2 Customer Support

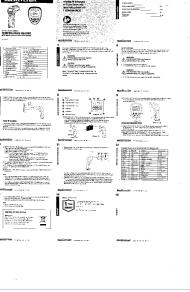
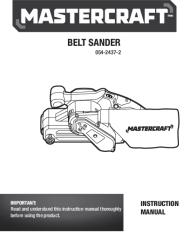
For technical assistance, questions regarding tire performance, or warranty claims, please contact your authorized Mastercraft tire dealer or visit the official Mastercraft Tires website for customer service contact information.

It is recommended to keep your purchase receipt and any installation records for warranty purposes.

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This manual is for informational purposes only. Always consult a professional for tire installation and service.

## Related Documents - Glacier MSR

	<p><a href="#"><u>Mastercraft 057-4554-4 Temperature Reader: User Manual and Specifications</u></a></p> <p>Comprehensive guide for the Mastercraft 057-4554-4 Infrared Temperature Reader, including specifications, safety guidelines, quick start instructions, and maintenance.</p>
	<p><a href="#"><u>Mastercraft 7 1/4" Circular Saw with Laser Line (Model 54-8347-0) - Operating Manual and Safety Guide</u></a></p> <p>Comprehensive operating manual and safety guide for the Mastercraft 7 1/4" Circular Saw with Laser Line (Model 54-8347-0). Covers specifications, safe operation, electrical safety, laser safety, assembly, adjustments, maintenance, and warranty.</p>
	<p><a href="#"><u>Mastercraft Belt Sander 054-2437-2 Instruction Manual</u></a></p> <p>Comprehensive instruction manual for the Mastercraft Belt Sander (Model 054-2437-2), covering technical specifications, safety guidelines, operating instructions, maintenance, troubleshooting, parts list, and warranty information.</p>
	<p><a href="#"><u>Mastercraft Belt/Disc Sander Operating Manual</u></a></p> <p>This operating manual provides safety guidelines, assembly instructions, operating procedures, maintenance tips, and troubleshooting advice for the Mastercraft Belt/Disc Sander, model no. 055-3559-4.</p>
	<p><a href="#"><u>Mastercraft 055-5530-8 Drill Press Instruction Manual</u></a></p> <p>Comprehensive instruction manual for the Mastercraft 055-5530-8 Drill Press, covering safety guidelines, specifications, assembly, operation, maintenance, troubleshooting, and warranty information.</p>



### Guide d'utilisation et règles de sécurité pour la raboteuse Mastercraft 55-5503-4

Ce guide d'utilisation et de sécurité fournit des instructions détaillées pour l'assemblage, l'utilisation et l'entretien de la raboteuse Mastercraft de 12 1/2 po avec support en acier, modèle 55-5503-4.