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Garvee ST175/80D13

Garvee ST175/80D13 Trailer Tires with Rims Instruction Manual

Model: ST175/80D13

INTRODUCTION

This manual provides essential information for the safe and effective use of your Garvee ST175/80D13 Trailer Tires with Rims. Please read these instructions carefully before installation and use to ensure optimal performance and longevity of your tires.

PRODUCT FEATURES

- **Heavy-Duty Construction:** ST175/80D13 trailer tires feature 6-ply construction and Load Range C, supporting up to 1360 LBS at 50 PSI. Designed for heavy loads, they deliver reliable performance for utility, boat, and family camping trailers.
- **Rim Included:** Comes with durable black 13"x4.5" steel rims featuring a 5 lug on 4.5" bolt pattern. This combo offers a secure fit and straightforward installation for 5 lug utility trailers.
- **Bias Ply Design:** Constructed with nylon cords in a crisscross pattern, these tires provide strong, flexible sidewalls, ensuring smooth handling and stable traction on rugged, uneven terrain.
- **All-Weather Reliability:** Ideal for boat, camper, and utility trailers, these tires withstand various weather conditions, making them suitable for all-season use.
- **Clear Sizing:** Each tire clearly shows the ST175/80D13 size on the sidewall for easy compatibility confirmation.

SPECIFICATIONS

Attribute	Detail
Size	ST175/80D13
Brand	Garvee
Wheel Size	13 Inches (Rim Diameter)
Rim Width	4.5 Inches
Bolt Pattern	5 Lug on 4.5" (114.3 mm Pitch Circle Diameter)

Attribute	Detail
Load Range	C (6PR)
Maximum Load	1360 LBS per tire
Maximum PSI	50 PSI
Construction	Bias Ply
Vehicle Service Type	Trailer
Material	Rubber
Color	Black



Image: Detailed diagram of ST175/80D13 tire specifications.

SETUP AND INSTALLATION

Your Garvee trailer tires come pre-mounted on rims and are inflated to the recommended PSI, ready for installation. Ensure your trailer's hub bolt pattern matches the tire's 5 lug on 4.5" pattern before proceeding.

1. **Safety First:** Park your trailer on a level surface, engage the parking brake, and use wheel chocks to prevent movement.
2. **Lift the Trailer:** Use a jack to safely lift the trailer until the wheel is off the ground.
3. **Remove Old Wheel:** Loosen and remove the lug nuts from the old wheel. Carefully remove the old wheel and tire assembly.
4. **Install New Wheel:** Align the new Garvee tire and rim assembly with the trailer's hub bolts. Hand-tighten the lug nuts.
5. **Lower and Torque:** Lower the trailer until the tire is just touching the ground. Torque the lug nuts to the manufacturer's specified settings in a star pattern to ensure even pressure.
6. **Final Check:** Fully lower the trailer and remove the jack and chocks. Double-check lug nut torque after the first 50 miles of travel and periodically thereafter.

PREMIUM QUALITY & TECHNOLOGY

ST 175 / 80 D 13

Special
Trailer

Section Width
(mm)

Aspect
Ratio (%)

Bias
Ply

Wheel
Diameter (in)



Image: A single Garvee ST175/80D13 trailer tire mounted on a black rim.

OPERATING GUIDELINES

Proper operation ensures safety and extends tire life.

- **Load Capacity:** Do not exceed the maximum load capacity of 1360 LBS per tire. Overloading can lead to tire failure and unsafe towing conditions.
- **Tire Pressure:** Maintain the recommended tire pressure of 50 PSI. Check tire pressure before each trip, especially when the tires are cold. Incorrect pressure affects handling, fuel efficiency, and tire wear.
- **Speed Rating:** Adhere to the tire's speed rating (L). Do not exceed safe speeds for your trailer and load.
- **Driving Conditions:** These tires are designed for all-season performance, offering enhanced mud traction, severe snow traction, gravel deflection, chip resistance, and rock climbing traction. Adjust driving speed and style to suit road and weather conditions.

ALL-SEASON PERFORMANCE



Enhanced Mud
Traction



Severe Snow
Traction



Gravel Deflection
& Chip Resistance



Rock Climbing
Traction



Image: Visual representation of the tire's all-season performance capabilities.

MAINTENANCE

Regular maintenance is crucial for tire safety and longevity.

- **Tire Pressure:** Check tire pressure regularly (at least monthly and before each trip) using a reliable gauge. Inflate to 50 PSI as needed.
- **Tread Inspection:** Periodically inspect the tire tread for wear, cuts, punctures, or embedded objects. Remove any foreign objects carefully.
- **Sidewall Inspection:** Check sidewalls for cracks, bulges, or other signs of damage.
- **Wheel Inspection:** Inspect rims for any signs of damage, bends, or corrosion. Ensure lug nuts are tight.
- **Cleaning:** Clean tires and rims with mild soap and water. Avoid harsh chemicals that can degrade rubber.
- **Storage:** When storing the trailer for extended periods, consider lifting the tires off the ground to prevent flat spots and protect them from direct sunlight and extreme temperatures.



Image: Key durability and performance aspects of the Garvee trailer tire.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Uneven Tread Wear	Incorrect tire pressure, improper alignment, worn suspension components.	Check and adjust tire pressure. Have trailer alignment inspected by a professional. Inspect and replace worn suspension parts.
Tire Blowout	Overloading, underinflation, road hazards, aged/damaged tire.	Ensure load is within capacity. Maintain correct PSI. Avoid road hazards. Replace old or damaged tires promptly.
Vibration/Wobble	Unbalanced tires, bent rim, loose lug nuts, worn bearings.	Have tires balanced. Inspect rims for damage. Tighten lug nuts to spec. Check and replace worn wheel bearings.
Air Leak	Puncture, faulty valve stem, bead leak, rim damage.	Inspect for punctures and repair. Replace valve stem. Have tire re-seated or rim inspected by a professional.

WHAT'S IN THE BOX

- 2x Garvee ST175/80D13 Trailer Tires with Rims (pre-mounted and inflated)



- 🚗 We ship 2 tires by one package.
- 🚗 If more than 2 tires ordered, we will ship your order by multiple packages.
- 🚗 Carriers may deliver multiple packages by different time.
- 🚗 If only partial packages delivered, pls give extra time for rest of order showing up.
- 🚗 Website can only show 1 tracking number, contact us for rest of tracking numbers.

Image: Two Garvee trailer tires with rims, as typically shipped in a 2-pack.

WARRANTY AND SUPPORT

For warranty information or customer support, please refer to the documentation included with your purchase or contact Garvee Direct through your retailer's platform. Garvee Direct offers 30-day easy returns and customer support.

For additional assistance, visit the [Garvee Store on Amazon](#).