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> Carlisle Radial Trail HD Trailer Tire ST205/75R15 Instruction Manual

Carlisle 6H04591

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Model: 6H04591

INTRODUCTION

The Carlisle Radial Trail HD Trailer Tire ST205/75R15 is engineered for reliable performance and durability in various trailer applications. This tire features an optimized design to enhance tire life, improve heat resistance, and increase overall durability. It is suitable for both long and short distance towing, providing peace of mind for cargo, boating, and livestock trailers.

Key features include:

- Improved tread wear for extended tire life.
- Greater heat resistance to prevent premature wear.
- Increased durability for demanding towing conditions.
- Designed for vehicle-specific fitment.
- Load Capacity: 2150 lbs.

SETUP AND INSTALLATION

This product includes the tire only; the rim is not included. Proper installation is crucial for safety and optimal tire performance. It is highly recommended that installation be performed by a qualified professional tire technician. Before installation, ensure the tire size ST205/75R15 matches your trailer's requirements. Verify that the rim is compatible with the tire and is in good condition, free from damage or corrosion.





Figure 1: Front view of the Carlisle Radial Trail HD Trailer Tire.

For safe operation, always adhere to the tire's specified load capacity and maximum inflation pressure. The Carlisle Radial Trail HD ST205/75R15 has a load capacity of 2150 pounds and a maximum pressure of 65 PSI (Pound per Square Inch).

- **Inflation Pressure:** Maintain the recommended tire pressure as indicated on the tire sidewall and your trailer's placard. Incorrect inflation can lead to premature wear, reduced fuel efficiency, and increased risk of tire failure.
- **Load Capacity:** Do not exceed the maximum load capacity of 2150 lbs per tire. Overloading can cause excessive heat buildup and tire damage.
- **Speed Rating:** This tire has a speed rating of 'M', which corresponds to a maximum speed of 81 mph (130 km/h). Always drive at safe speeds appropriate for road conditions and within legal limits.





Figure 2: Carlisle Radial Trail HD Trailer Tire mounted on a rim, showing the sidewall details.

MAINTENANCE

Regular maintenance is essential to maximize the lifespan and safety of your Carlisle Radial Trail HD tires.

- **Tire Pressure:** Check tire pressure before each trip and at least once a month when the tires are cold. Adjust to the recommended PSI.
- **Visual Inspection:** Regularly inspect tires for signs of wear, cuts, punctures, or bulges. Pay attention to the tread depth and look for uneven wear patterns, which may indicate alignment issues.
- **Tread Depth:** The tire features a tread depth of 9/32nds. Monitor tread depth and replace tires when they reach the minimum legal or recommended depth.
- **Cleaning:** Keep tires clean from dirt, oil, and chemicals that can degrade rubber.
- **Storage:** When storing the trailer for extended periods, cover the tires to protect them from UV exposure and consider elevating the trailer to take weight off the tires.



Figure 3: Close-up view of the tire's deep tread pattern, designed for heat dissipation and water channeling.

TROUBLESHOOTING

This section provides general guidance for common tire issues. For complex problems, consult a professional tire technician.

- **Uneven Wear:** If you notice uneven tread wear, it could indicate improper inflation, wheel misalignment, or suspension issues. Have your trailer's alignment and suspension checked.
- **Vibrations:** Vibrations during towing can be caused by unbalanced tires or damaged rims. Have tires balanced and rims inspected.
- **Loss of Pressure:** A slow loss of tire pressure may be due to a puncture, a faulty valve stem, or a leak around the rim. Inspect the tire for damage and have any leaks repaired promptly.
- **Tire Blowout:** While these tires are designed for durability, blowouts can occur due to severe overloading, underinflation, or road hazards. Always ensure proper inflation and avoid exceeding load limits.

SPECIFICATIONS

Feature	Detail
Brand	Carlisle
Model Number	6H04591
Size	ST205/75R15 D
Rim Size	15 Inches
Section Width	205 Millimeters
Tire Aspect Ratio	75.0
Load Index	107.0
Speed Rating	M
Load Capacity	2150 Pounds
Tread Depth	9 32nds
Tread Type	Symmetrical
Maximum Pressure	65 Pound per Square Inch
Automotive Fit Type	Vehicle Specific Fit
Construction Type	Radial
Ply	8-Ply
Item Dimensions	27.2 x 27.2 x 8.2 inches
Included Components	Tire

WARRANTY INFORMATION

The Carlisle Radial Trail HD Trailer Tire is covered by a **Full Manufacturer Warranty**. For specific details regarding coverage, terms, and conditions, please refer to the official warranty documentation provided with your purchase or contact Carlisle customer support.

SUPPORT

For further assistance, technical questions, or warranty claims, please contact Carlisle customer support. Refer to the packaging or the official Carlisle website for contact information.