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Firestone LT245/75R17

Firestone Transforce HT Light Truck Tire User Manual

MODEL: LT245/75R17 (PART NUMBER: 233007)

Introduction

This manual provides essential information for the proper installation, safe operation, and effective maintenance of your Firestone Transforce HT Light Truck Tire. Adhering to these guidelines will help ensure optimal performance, longevity, and safety. Please read this manual thoroughly before installation and use.

The Firestone Transforce HT is engineered for light trucks and commercial vehicles, offering all-season performance, a quiet ride, and enhanced comfort. Its design incorporates features for durability and reliable traction.

1. Installation

Proper installation is critical for tire safety and performance. It is strongly recommended that tires be installed by a qualified professional technician.

- **Rim Compatibility:** Ensure the tire is mounted on a rim of the correct size and type. The recommended rim width for this tire is 7 inches.
- **Inflation Pressure:** Inflate tires to the vehicle manufacturer's recommended pressure, typically found on a placard in the vehicle's door jamb, glove compartment, or owner's manual. Do not exceed the maximum pressure indicated on the tire sidewall (80 PSI for this model).
- **Balancing:** Tires must be properly balanced to prevent vibration and ensure even wear.
- **Lug Nut Torque:** After installation, ensure lug nuts are tightened to the vehicle manufacturer's specified torque settings. Re-check torque after the first 50-100 miles of driving.



Figure 1: Full view of the Firestone Transforce HT tire. This image displays the tire's overall design, including the tread pattern and sidewall markings.

2. Operation and Performance

The Firestone Transforce HT is designed to deliver reliable performance under various conditions for light trucks and commercial applications.

- **All-Season Capability:** Engineered for performance in diverse weather conditions, including wet and dry roads.
- **Wet Traction:** Circumferential grooves are designed to promote extra traction in wet conditions by evacuating water from the tread area.
- **Ride Comfort:** A computer-designed shape and body contribute to a comfortable ride experience.
- **Noise Reduction:** Noise reduction technology, featuring varying size tread blocks, minimizes noise

generation for a quieter ride.

- **Load Capacity:** This tire has a load capacity of 3195 pounds and a Load Range E, suitable for demanding light truck and commercial vehicle applications.



Figure 2: Close-up view of the Firestone Transforce HT tire tread. This image highlights the tread pattern, including the circumferential grooves designed for water evacuation.



Figure 3: Performance information chart illustrating various characteristics of the Firestone Transforce HT tire, including tread life, ride comfort, quiet ride, fuel efficiency, dry performance, wet performance, winter/snow/ice performance, and off-road capability.

3. Maintenance

Regular maintenance is essential for maximizing tire life, ensuring safety, and maintaining vehicle performance.

- **Tire Pressure:** Check tire pressure monthly, or before long trips, using an accurate tire gauge. Always check when tires are cold. Refer to your vehicle's owner's manual or door jamb placard for recommended pressures.
- **Tire Rotation:** Rotate tires regularly according to your vehicle manufacturer's recommendations, typically every 5,000 to 8,000 miles. This promotes even wear across all tires.
- **Tread Depth:** Monitor tread depth using a tread depth gauge. The minimum legal tread depth is 2/32 inch. Replace tires when they reach this limit. This tire has an original tread depth of 13/32nds.
- **Visual Inspection:** Regularly inspect tires for signs of damage, such as cuts, punctures, bulges, or uneven wear patterns. Address any damage promptly.
- **Wheel Alignment:** Ensure proper wheel alignment to prevent irregular tire wear. Have alignment checked periodically or if you notice steering issues.

Performance Information



Figure 4: Detail of the Firestone Transforce HT tire sidewall. This image shows the tire's branding, size, and other important markings.

4. Troubleshooting

Addressing common tire issues promptly can prevent further damage and ensure safety.

- **Uneven Tread Wear:** Can be caused by improper inflation, misalignment, or lack of rotation. Check tire pressure, have alignment inspected, and ensure regular rotation.
- **Vibration:** Often indicates an unbalanced tire or a bent rim. Have tires re-balanced and wheels inspected by a professional.
- **Loss of Air Pressure:** May be due to a puncture, valve stem leak, or bead leak. Inspect the tire for damage and have it repaired or replaced by a professional.
- **Bulges or Cracks:** These are signs of internal damage and can lead to tire failure. Immediately replace any tire exhibiting bulges or significant cracks.

5. Specifications

Specification	Value
Brand	Firestone
Model	Transforce HT
Size	LT245/75R17
Part Number	233007
Section Width	245 Millimeters
Load Capacity	3195 Pounds
Tread Depth	13/32nds
Tread Type	Non-Directional
Maximum Pressure	80 PSI (Pound per Square Inch)
Rim Width	7 Inches
Tire Diameter	31.50 Inches
Item Weight	42.2 Pounds
Automotive Fit Type	Vehicle Specific Fit
Load Range	E
Construction Type	Radial
UPC	092971193362



Figure 5: Firestone Transforce HT tire mounted on a vehicle wheel, illustrating its appearance when installed.

6. Warranty Information

Firestone tires are backed by a manufacturer's limited warranty. Specific warranty terms and conditions, including coverage details and limitations, are provided at the time of purchase or can be obtained from an authorized Firestone dealer. Please retain your proof of purchase for warranty claims.

7. Customer Support

For further assistance, technical questions, or service inquiries regarding your Firestone Transforce HT tires, please contact your authorized Firestone dealer or visit the official Firestone website. Always refer to your vehicle's owner's manual for tire-related information specific to your vehicle.