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Bridgestone Turanza T005 (Model 7277)

Bridgestone Turanza T005 Summer Touring Tire User Manual

Model: Turanza T005 (Model 7277)

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Bridgestone Turanza T005 Summer Touring Tire. The Turanza T005 is engineered for passenger cars, offering reliable performance and comfort in summer conditions. Adhering to the guidelines in this manual will help ensure optimal tire performance and longevity.

2. KEY FEATURES

The Bridgestone Turanza T005 tire incorporates several design elements for enhanced performance:

- **Tread Pattern:** Turanza T005, designed for excellent wet and dry grip.
- **Tire Size:** 255/40R20, suitable for specific vehicle applications.
- **Load/Speed Rating:** 101Y, indicating a maximum load capacity of 1819 lbs (825 kg) and a maximum speed of 186 mph (300 km/h) under specified conditions.
- **Load Range:** XL (Extra Load), signifying a higher load carrying capacity at a given inflation pressure compared to standard load tires.
- **Side Wall:** Black Wall, a standard aesthetic finish.

3. INSTALLATION AND SETUP

Proper installation is crucial for tire safety and performance.

3.1 Professional Installation

It is strongly recommended that the Bridgestone Turanza T005 tires be installed by a qualified tire professional. This ensures correct mounting, balancing, and adherence to vehicle manufacturer specifications.

3.2 Balancing and Alignment

After installation, tires must be properly balanced to prevent vibrations and ensure even wear. Wheel alignment should also be checked and adjusted according to your vehicle manufacturer's recommendations to prevent premature or irregular tire wear.



Figure 3.1: Bridgestone Turanza T005 tire mounted on a silver alloy wheel, ready for installation.

4. OPERATION GUIDELINES

Adhering to these guidelines will maximize the safety and performance of your tires.

4.1 Tire Pressure

Maintain correct tire inflation pressure as specified by your vehicle manufacturer, typically found on a placard inside the driver's side door jamb, glove compartment, or owner's manual. Check tire pressure monthly when tires are cold. Incorrect pressure can lead to poor handling, reduced fuel efficiency, and uneven tire wear.

4.2 Driving Conditions

The Turanza T005 is a summer touring tire designed for optimal performance in warm weather conditions. It is not intended for use in freezing temperatures, snow, or ice. Driving in such conditions may result in reduced grip and handling.

4.3 Load Capacity

The tire's 101Y Extra Load rating indicates its capacity to carry heavier loads at higher inflation pressures. Always ensure that the total vehicle load (including passengers and cargo) does not exceed the maximum load capacity of your tires or vehicle, whichever is lower.

5. MAINTENANCE

Regular maintenance extends tire life and ensures safe operation.

5.1 Tread Depth Inspection

Regularly inspect tire tread depth. Most tires have tread wear indicators (small bars molded into the tread grooves) that become flush with the tread surface when the tread depth reaches 2/32 inch (1.6 mm), indicating the tire needs replacement. Driving with insufficient tread depth significantly reduces traction, especially in wet conditions.



Figure 5.1: Detailed view of the Turanza T005 tire's tread pattern, showing grooves and sipes.

5.2 Tire Rotation

Rotate your tires every 5,000 to 7,500 miles (8,000 to 12,000 km) or as recommended by your vehicle manufacturer. This helps promote even tread wear across all four tires, extending their overall lifespan.

5.3 Visual Inspection

Periodically inspect tires for signs of damage, such as cuts, bulges, cracks, or embedded foreign objects (nails, glass). Any visible damage should be inspected by a tire professional immediately.



Figure 5.2: Top-down view of the Bridgestone Turanza T005 tire, showing its overall profile.

6. TROUBLESHOOTING COMMON ISSUES

This section addresses common tire-related problems.

6.1 Uneven Tread Wear

- **Cause:** Improper inflation pressure, misaligned wheels, worn suspension components, or lack of tire rotation.
- **Solution:** Check and adjust tire pressure, perform wheel alignment, inspect suspension, and adhere to rotation schedule.

6.2 Vibration

- **Cause:** Unbalanced tires, bent wheel, damaged tire, or worn suspension parts.
- **Solution:** Have tires re-balanced, inspect wheels and tires for damage, and check suspension components.

6.3 Punctures or Air Leaks

- **Cause:** Nail, screw, sharp object, or valve stem issue.
- **Solution:** Do not drive on a flat or severely underinflated tire. Seek professional tire repair or replacement immediately.

7. TECHNICAL SPECIFICATIONS

Detailed specifications for the Bridgestone Turanza T005 tire:

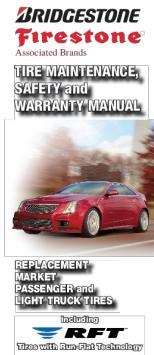
Specification	Value
Brand	Bridgestone
Model	Turanza T005
Item Model Number	7277
Size	255/40R20
Section Width	255 Millimeters
Tread Depth	9 Inches
Item Weight	27.2 Pounds (12.34 kg)
UPC	092971318178
Global Trade Identification Number	00092971318178
Construction Type	B
Manufacturer Part Number	7277
Date First Available	April 3, 2020

8. WARRANTY INFORMATION

For detailed warranty information regarding your Bridgestone Turanza T005 tires, please refer to the warranty booklet provided at the time of purchase or visit the official Bridgestone website. Warranty terms and conditions may vary based on region and specific product lines.

9. CUSTOMER SUPPORT

If you have any questions, require technical assistance, or need to report an issue with your Bridgestone Turanza T005 tires, please contact Bridgestone customer support or an authorized Bridgestone dealer. You can find contact information and dealer locations on the official Bridgestone website: [Visit the Bridgestone Store on Amazon](#).



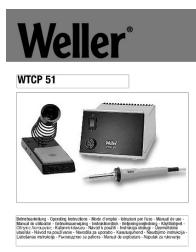
Bridgestone and Firestone Tire Care: Maintenance, Safety, and Warranty Guide

Comprehensive guide from Bridgestone and Firestone covering essential tire maintenance, safety practices, and warranty information for passenger and light truck tires, including Run-Flat Technology (RFT).



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