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Nitto NT01 (371-090)

Nitto NT01 High Performance Tire User Manual

Model: NT01 (371-090)

PRODUCT OVERVIEW

The Nitto NT01 is a D.O.T.-compliant dry competition radial tire engineered for optimal performance on the track. Its specialized compound ensures a balance of traction, consistency, heat cycle performance, and longevity. The sidewall construction is designed to provide sharp steering response and accurate feedback, enhancing driver confidence. For maximum dry performance, the NT01 can be shaved to a slick with two circumferential grooves. This tire is suitable for both professional road-racers and track-day enthusiasts seeking fast and consistent lap times.



Image: Close-up view of the Nitto NT01 tire, showcasing its tread pattern and sidewall design.

SETUP AND INSTALLATION

Proper installation is crucial for the performance and safety of your Nitto NT01 tires. It is highly recommended that installation be performed by a qualified professional tire technician.

Pre-Installation Checks:

- Verify that the tire size (205/55R14) matches your vehicle's specifications and rim size (14 inches).
- Inspect the tire for any visible damage or defects prior to mounting.
- Ensure rims are clean, free of rust, and undamaged.

Mounting Instructions:

1. Lubricate tire beads and rim flanges with an approved tire mounting lubricant.
2. Mount the tire onto the rim using appropriate tire mounting equipment, ensuring the tire is seated

correctly.

3. Inflate the tire slowly to the recommended maximum pressure of 502 Kilopascal (approximately 72.8 PSI) or as specified by your vehicle manufacturer for track use, while ensuring beads are fully seated. *Never exceed the maximum pressure indicated on the tire sidewall.*
4. Balance the tire and wheel assembly using a calibrated balancing machine.
5. Install the balanced wheel assembly onto the vehicle, tightening lug nuts to the manufacturer's specified torque.



Image: A blue sports car equipped with Nitto NT01 tires, demonstrating their application on a performance vehicle.

OPERATING GUIDELINES

The Nitto NT01 is designed for dry competition use. Adhering to proper operating procedures will maximize tire life and performance.

Tire Break-in:

New tires require a break-in period to allow the components to settle and release mold lubricants. Drive moderately for the first 50-100 miles, avoiding hard acceleration, braking, and cornering.

Inflation Pressure:

Maintain correct inflation pressure. For track use, optimal pressures may vary based on vehicle weight, track conditions, and ambient temperature. Always monitor tire pressure before and after each session. The maximum pressure for this tire is 502 Kilopascal (72.8 PSI).

Shaving for Performance:

The NT01 can be shaved from its original 6/32 inch tread depth down to 3/32 inch to create a slick surface with two circumferential grooves for enhanced dry performance. This process should only be performed by

experienced professionals.

Driving Conditions:

These tires are optimized for dry conditions. While D.O.T.-compliant, their performance in wet conditions is significantly reduced compared to street-oriented tires. Exercise extreme caution in wet weather.

MAINTENANCE

Regular maintenance extends the life and ensures the safety of your tires.

Tire Pressure Monitoring:

Check tire pressure frequently, ideally before each track session and at least once a week for street use (if applicable). Use a reliable pressure gauge.

Tire Rotation:

Regular tire rotation helps promote even wear. Consult your vehicle's owner's manual or a tire professional for recommended rotation patterns and intervals.

Alignment and Balancing:

Ensure proper wheel alignment and balance. Misalignment or imbalance can lead to uneven tire wear and reduced performance.

Inspection:

Regularly inspect tires for signs of wear, damage (cuts, punctures, bulges), or foreign objects. Pay attention to the tread wear indicators (tread_wear_indicator) to determine when replacement is necessary. The minimum legal tread depth is 2/32 of an inch.

Storage:

When storing tires, keep them in a cool, dry place away from direct sunlight, heat sources, and chemicals that could degrade the rubber.

TROUBLESHOOTING COMMON ISSUES

Issue	Possible Cause	Solution
Uneven Tread Wear	Improper inflation, misalignment, imbalance, worn suspension components.	Adjust tire pressure, check wheel alignment, balance tires, inspect suspension.
Vibration or Shimmy	Tire imbalance, bent rim, worn suspension parts.	Re-balance tires, inspect rims for damage, check suspension components.

Issue	Possible Cause	Solution
Loss of Traction (Dry)	Under-inflation, over-inflation, worn tread, improper tire temperature.	Adjust tire pressure to optimal track settings, check tread depth, ensure tires are at operating temperature.
Bulges or Cracks on Sidewall	Impact damage, manufacturing defect.	<i>Immediately replace the tire. Do not drive on a damaged tire.</i>

If you encounter issues not listed here or require professional assistance, consult a certified tire technician.

SPECIFICATIONS

Attribute	Value
Brand	Nitto
Model	NT01 (371-090)
Size	205/55R14
Section Width	205 Millimeters
Load Capacity	1135 Pounds
Tread Depth (New)	6.3 Inches
Tread Type	Symmetrical
Maximum Pressure	502 Kilopascal (72.8 PSI)
Rim Width	14 Inches
Tire Diameter	22.76 inches
Item Weight	18.5 Pounds
Construction Type	Radial
Seasons	Year Round (optimized for dry)
Special Features	Tread Wear Indicator
UTQG	100AA

WARRANTY AND SUPPORT

Specific warranty information for Nitto NT01 tires is typically provided at the point of purchase or can be found on the official Nitto Tire website. Please retain your proof of purchase for any warranty claims.

For technical support, installation inquiries, or warranty claims, please contact Nitto Tire customer service or your authorized Nitto dealer.

Note: This manual provides general guidelines. Always refer to the latest information from Nitto Tire and consult with a professional for specific applications or concerns.