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› Yokohama Advan Sport V105 Tire User Manual

Yokohama Advan Sport V105 (Model 110110589)

Yokohama Advan Sport V105 Tire User Manual

Model: Advan Sport V105 (110110589) | Size: 255/30ZR20 92Y XL

1. INTRODUCTION

The Yokohama Advan Sport V105 is an ultra-high-performance tire meticulously engineered for sports, super, muscle, and performance cars. Designed to deliver exceptional handling and comfort, this tire incorporates advanced technology to enhance your driving experience. Its high-grade micro silica compound significantly improves traction, while the robust body ply maintains tire rigidity, contributing to superior steering performance. The special rubber compound is formulated to reduce uneven wear, promoting a longer tread life.



Figure 1.1: Main view of the Yokohama Advan Sport V105 tire.

2. SETUP AND INSTALLATION

Proper installation is crucial for the safety and performance of your Yokohama Advan Sport V105 tires. It is highly recommended that installation be performed by a qualified professional tire technician. Ensure that the tire size (255/30ZR20 92Y XL) and load capacity (1389@50 Pounds) are compatible with your vehicle's specifications as outlined in your vehicle's owner's manual.

2.1 Pre-Installation Checks

- Verify the tire dimensions and specifications match your vehicle's requirements.
- Inspect the tire for any visible damage or manufacturing defects prior to mounting.
- Ensure the wheel rim is clean, undamaged, and compatible with the tire.

2.2 Installation Process

1. Mount the tire onto the wheel rim using appropriate tire mounting equipment.
2. Inflate the tire to the vehicle manufacturer's recommended pressure, not exceeding the tire's maximum pressure of 51 PSI.
3. Balance the tire and wheel assembly to prevent vibrations and ensure even wear.
4. Install the balanced wheel assembly onto the vehicle, tightening lug nuts to the manufacturer's specified torque.







Figure 2.1: Front and side views of the Advan Sport V105 tire, illustrating its design for installation.

3. OPERATING GUIDELINES

The Advan Sport V105 is designed for optimal performance in various conditions, offering a comfortable and responsive ride. Adhering to these guidelines will help maximize your tire's performance and lifespan.

3.1 Tire Pressure

Maintain correct tire inflation pressure as specified by your vehicle manufacturer. Check tire pressure regularly, at least once a month and before long trips, using a reliable pressure gauge. Proper inflation ensures even wear, optimal handling, and fuel efficiency. The maximum pressure for this tire is 51 PSI; however, always follow your vehicle's recommended pressure.

3.2 Driving Conditions

This tire is an all-season performance tire, providing reliable traction in various weather conditions. Its directional tread type is optimized for water evacuation and enhanced grip. While designed for high

performance, always adjust your driving style to suit road conditions, especially in adverse weather.

3.3 Load Capacity

Do not exceed the tire's maximum load capacity of 1389 pounds at 50 PSI. Overloading can lead to tire damage, reduced handling, and increased risk of failure.

4. MAINTENANCE

Regular maintenance is essential for extending the life of your Yokohama Advan Sport V105 tires and ensuring consistent performance.

4.1 Tire Rotation

Rotate your tires regularly, typically every 5,000 to 7,500 miles, or as recommended by your vehicle manufacturer. This helps promote even tread wear across all four tires, maximizing their lifespan.

4.2 Tread Depth Inspection

Periodically inspect the tire tread depth. The Advan Sport V105 comes with a tread depth of 10/32nds. Replace tires when the tread wears down to 2/32nds of an inch, indicated by the tread wear indicators (small bars molded into the grooves). The special rubber compound helps reduce uneven wear, but regular checks are still important.





Figure 4.1: Detailed views of the Advan Sport V105's directional tread pattern, designed for optimal performance and wear.

4.3 Visual Inspection

Regularly inspect your tires for signs of damage, such as cuts, punctures, bulges, or cracks. If any damage is found, have the tire inspected by a professional immediately.

5. TROUBLESHOOTING

This section addresses common issues you might encounter with your tires.

5.1 Uneven Tread Wear

- **Cause:** Incorrect tire pressure, improper wheel alignment, or lack of tire rotation.
- **Solution:** Ensure correct tire pressure, have your vehicle's alignment checked, and adhere to regular tire rotation schedules.

5.2 Vibrations or Noise

- **Cause:** Unbalanced wheels, damaged tires, or suspension issues.
- **Solution:** Have your tires re-balanced. Inspect tires for damage. If issues persist, consult a mechanic for suspension inspection.

5.3 Loss of Air Pressure

- **Cause:** Puncture, valve stem leak, or bead leak.
- **Solution:** Visually inspect the tire for punctures. If found, or if pressure loss continues, seek professional tire repair immediately. Do not drive on a severely underinflated tire.

For any persistent issues or concerns not covered here, please consult a certified tire professional.

6. SPECIFICATIONS

Detailed technical specifications for the Yokohama Advan Sport V105 tire (255/30ZR20 92Y XL).

Attribute	Value
Brand	Yokohama
Model	Advan Sport V105
Item Model Number	110110589
Size	255/30ZR20 92Y XL
Section Width	255 Millimeters
Load Capacity	1389@50 Pounds
Tread Depth	10 32nds
Tread Type	Directional
Maximum Pressure	51 Pound per Square Inch
Ply Rating	10-Ply
Rim Width	7.8 Inches
Seasons	Year Round
Construction Type	Radial
Item Weight	19.2 Pounds
UPC	721506105890

7. WARRANTY AND SUPPORT

The Yokohama Advan Sport V105 tire is backed by [Yokohama's 30 Day Satisfaction Guarantee](#). This guarantee provides assurance regarding the quality and performance of your tire.

For detailed information regarding the terms and conditions of the warranty, or for any product support inquiries, please refer to the official Yokohama website or contact their customer service directly. Keep your purchase receipt as proof of purchase for warranty claims.