

Bridgestone Potenza S001

Bridgestone Potenza S001 Ultra-High Summer Performance  
Tire User Manual

1. INTRODUCTION

The Bridgestone Potenza S001 is an ultra-high performance summer tire engineered for premium sports cars, coupes, and sedans. It is designed to deliver exceptional handling and grip in both dry and wet conditions, making it an ideal choice for drivers seeking maximum performance from their vehicle.

This manual provides essential information regarding the features, specifications, proper installation, operation, maintenance, and troubleshooting for your Bridgestone Potenza S001 tires. Adhering to these guidelines will help ensure optimal performance, safety, and longevity of your tires.

2. KEY FEATURES

- **Large Outside Shoulder Blocks:** Designed to provide confident cornering performance, enhancing stability during aggressive turns.
- **Continuous Center Rib:** Contributes to enhanced steering response, offering precise control and feedback.
- **Wide Circumferential Grooves:** Facilitate rapid water evacuation from beneath the tread, significantly reducing the risk of hydroplaning in wet conditions.
- **High Angle Lug Grooves:** Improve hydroplaning resistance and enhance braking performance, especially on wet surfaces.

3. SPECIFICATIONS

The Bridgestone Potenza S001 is available in various sizes. The specific model covered by this manual is the 205/45R17 84 W.

Specification	Value
Brand	Bridgestone
Model	Potenza S001

Specification	Value
Seasons	Summer
Size	205/45R17
Section Width	205 Millimeters
Load Capacity	2429.5 Pounds
Tread Depth	9/32nds
Tread Type	Asymmetrical
Ply Rating	SL (Standard Load)
Tire Diameter	24.3 inches
Item Weight	18.3 Pounds
Construction Type	Radial
UTQG	280AA

## 4. SETUP AND INSTALLATION

Proper installation is crucial for tire performance and safety. It is highly recommended that Bridgestone Potenza S001 tires be installed by a qualified professional tire technician.

- **Professional Mounting:** Ensure tires are mounted on approved rims by trained personnel using appropriate equipment. Incorrect mounting can damage the tire or wheel and lead to serious injury.
- **Balancing:** New tires must be properly balanced to prevent vibrations and ensure even wear.
- **Tire Pressure:** Inflate tires to the vehicle manufacturer's recommended pressure, typically found on a placard inside the driver's side door jamb, glove compartment, or owner's manual. Do not exceed the maximum pressure molded on the tire sidewall.
- **Wheel Alignment:** Verify that your vehicle's wheel alignment is within manufacturer specifications before installing new tires to prevent premature or irregular wear.



This image displays the Bridgestone Potenza S001 tire, showcasing its asymmetrical tread pattern designed for optimal performance in both dry and wet conditions. The tire is mounted on a multi-spoke alloy wheel, highlighting its sidewall and tread features.

## 5. OPERATING GUIDELINES

The Potenza S001 is a summer performance tire and is not intended for use in freezing temperatures, snow, or ice. Its compounds are optimized for warm weather conditions.

- **Break-in Period:** New tires require a break-in period of approximately 500 miles (800 km) to allow the

components to settle and the mold release lubricants to wear off. During this period, avoid sudden acceleration, hard braking, and aggressive cornering.

- **Tire Pressure Monitoring:** Regularly check tire pressure (at least once a month and before long trips) when tires are cold. Under-inflation or over-inflation can lead to poor handling, reduced fuel efficiency, and premature tire wear.
- **Driving Conditions:** While designed for excellent wet performance, always adjust driving speed and style to suit road conditions, especially during heavy rain.

## 6. MAINTENANCE

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

- **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 promotes even wear across all four tires.
- **Tread Depth Inspection:** Periodically check tread depth using a tread depth gauge. Replace tires when tread depth reaches 2/32 inch (1.6 mm), indicated by the tread wear indicators (bars molded into the grooves).
- **Visual Inspection:** Regularly inspect tires for signs of damage, such as cuts, cracks, bulges, or punctures. Remove any embedded objects like nails or stones.
- **Wheel Alignment and Suspension:** Have your vehicle's alignment checked annually or if you notice uneven tire wear or steering issues. Ensure suspension components are in good working order.

## 7. TROUBLESHOOTING

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

- **Uneven Tire Wear:** This can be caused by improper tire pressure, misaligned wheels, or worn suspension components. Check tire pressure, and have alignment and suspension inspected by a professional.
- **Vibration:** Vibrations, especially at certain speeds, often indicate an unbalanced tire or a bent wheel. Have tires re-balanced and wheels inspected.
- **Loss of Air Pressure:** A slow leak can be due to a puncture, a faulty valve stem, or a damaged rim. Inspect the tire for punctures and have it professionally repaired or replaced.
- **Bulges or Blisters on Sidewall:** These indicate internal damage to the tire's structure, often from impact with a pothole or curb. Such tires are unsafe and must be replaced immediately.

For any persistent issues or concerns, consult a certified tire professional.

## 8. WARRANTY AND SUPPORT

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Bridgestone tires are backed by a limited warranty. For detailed information regarding your tire's warranty coverage, including terms and conditions, please refer to the official Bridgestone warranty documentation provided at the time of purchase or visit the official Bridgestone website.

For further assistance, technical support, or to locate an authorized Bridgestone dealer, please visit the [Bridgestone Store on Amazon](#) or the official Bridgestone corporate website.