

Michelin 702940

MICHELIN PILOT SUPER SPORT User Manual

Brand: Michelin | Model: 702940

1. PRODUCT OVERVIEW

The Michelin Pilot Super Sport tire is engineered for optimal grip performance in both dry and wet conditions. It incorporates advanced technologies to deliver superior handling and stability for high-performance vehicles.

The tire features a **Dual Compound 2.0** tread. The outside portion utilizes reinforced carbon, a technology developed through the demanding Le Mans 24-hour endurance race, providing exceptional dry grip. The inside portion integrates the latest elastomer technology, specifically designed for superior wet grip. This optimal distribution of two distinct tread compounds ensures consistent performance across various road conditions.

For high-speed stability, the Pilot Super Sport employs a **Hybrid Aramid/Nylon Belt**. This construction uses high-strength, heat-stable materials to optimize the tension of the tread. This design effectively controls deformation caused by centrifugal force, ensuring stable driving even at ultra-high speeds.

Cornering performance is enhanced by **Variable Contact Patch 2.0 (VCP 2.0)** technology. This system manages changes in the tire's contact patch shape and temperature, maintaining optimal grip during full acceleration on straights and precise control during high-speed cornering.



Image: The Michelin Pilot Super Sport tire, showcasing its tread pattern and sidewall design, mounted on a multi-spoke wheel.

2. KEY FEATURES

- Single tire unit.
- High handling performance on dry roads.
- High quality achieved through joint development with sports cars.

3. INSTALLATION GUIDE

Proper installation is crucial for tire performance and safety. Always ensure installation is performed by a qualified professional.

3.1. Tire Specifications and Variations

Section width and outer diameter are based on ETRTO/TRA standards. Please note that actual measured values may differ slightly. Depending on the specific tire size, the appearance of the photo and the tread pattern may vary. Similarly, sidewall markings may also differ by size.

All sizes of this tire are tubeless type. The XL (EXTRA LOAD) designation indicates a reinforced load capacity type, designed to carry heavier loads.



Image: A close-up view of the Michelin Pilot Super Sport tire's sidewall and tread, highlighting the detailed pattern and branding.

3.2. Air Pressure Settings

For optimal performance and safety, the correct air pressure setting is essential. Please consult your tire dealer or vehicle manufacturer's recommendations for the appropriate air pressure for your specific vehicle and driving conditions.

3.3. Mounting Direction

This tire features an asymmetric tread pattern. Therefore, it is critical to always mount the side marked "OUTSIDE" facing outwards on the vehicle. There is no specified rotation direction for this tire.



Image: A direct view of the Michelin Pilot Super Sport tire's tread, illustrating its asymmetric pattern.

4. OPERATING CONSIDERATIONS

The Michelin Pilot Super Sport is designed to provide exceptional performance in various driving conditions. Its advanced technologies ensure optimal grip and stability.

The tire's ability to maintain optimal grip in both dry and wet conditions contributes to confident driving. The high-strength construction ensures stable handling even during ultra-high-speed maneuvers. The Variable Contact Patch technology dynamically adjusts the tire's contact with the road, providing consistent grip during acceleration and cornering.



Image: An illustration demonstrating the tire's optimal grip performance in both dry and wet road conditions.

5. MAINTENANCE AND CARE

Regular maintenance is vital to maximize the lifespan and performance of your tires. Always adhere to your vehicle manufacturer's recommendations for tire care.

- **Check Tire Pressure Regularly:** Maintain the recommended tire pressure as specified by your vehicle manufacturer. Incorrect pressure can lead to uneven wear, reduced fuel efficiency, and compromised handling.
- **Inspect for Wear and Damage:** Periodically check your tires for signs of wear, cuts, punctures, or bulges. If any damage is found, have the tire inspected by a professional immediately.
- **Tire Rotation:** Follow your vehicle's recommended tire rotation schedule to promote even wear across all four tires.
- **Wheel Alignment and Balancing:** Ensure your wheels are properly aligned and balanced to prevent uneven tire wear and maintain vehicle stability.

The Acoustic technology integrated into some Michelin tires helps reduce cabin noise caused by tire cavity resonance (sound generated by air vibration inside the tire). While this is a feature, maintaining proper tire pressure and condition helps ensure its effectiveness.

6. TROUBLESHOOTING

If you encounter any issues with your Michelin Pilot Super Sport tires, consider the following:

- **TPMS Warning Light:** If your Tire Pressure Monitoring System (TPMS) warning light illuminates, check your tire pressure immediately. If the pressure is correct and the light persists, or if you suspect a malfunction, contact your car dealer or tire retailer.
- **Run-Flat Tires (ZP marked sizes):** ZP marked sizes are run-flat tires. If you are using these on a vehicle not originally equipped with run-flat tires, a TPMS and compatible wheels are required for proper function and safety. For detailed information or issues related to run-flat tires, please contact your car dealer or tire retailer. Note that run-flat tires may have slightly different tread patterns compared to standard tires.
- **Unusual Noise or Vibration:** If you notice unusual noise or vibration while driving, safely pull over and inspect your tires for any visible damage. If no damage is apparent, or if the issue persists, have your vehicle and tires inspected by a professional.

7. TECHNICAL SPECIFICATIONS

Manufacturer	Michelin
Brand	Michelin
Model Name	702940
Product Model Number	702940
Tire Width	245 millimeters
Construction	Radial
Tread Depth	8.3 millimeters
Certification	Manufacturer's warranty applies
Item Weight	11.8 Kilograms
ASIN	B01CE6N9F0
First Available on Amazon.co.jp	February 29, 2016
Season	Summer
Size	245/35ZR19 93Y XL MO1
Section Width	245 millimeters
Load Capacity	650 kg

8. IMPORTANT SAFETY INFORMATION

Always use automotive tires in compliance with the safety specifications and standards set for them. Failure to do so may result in serious injury or property damage.

- Do not exceed the maximum load capacity or inflation pressure indicated on the tire sidewall.
- Avoid driving on damaged tires. Inspect tires regularly for cuts, bulges, or punctures.

- Ensure tires are properly matched to your vehicle's specifications and driving conditions.
- Always seek professional assistance for tire mounting, balancing, and repair.

9. WARRANTY AND SUPPORT

This Michelin Pilot Super Sport tire is covered by the manufacturer's standard warranty. For specific warranty terms and conditions, please refer to the documentation provided with your purchase or visit the official Michelin website.

For any product support, technical inquiries, or assistance with installation and maintenance, please contact your authorized Michelin dealer or the tire retailer where you purchased the product. They can provide expert advice and service.

For information regarding the arrival time of newly released sizes, please inquire directly with your tire dealer.

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