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Firestone FireHawk A/S V2

Firestone FireHawk A/S V2 UHP All Season Passenger Tire User Manual

Model: FireHawk A/S V2 | Brand: Firestone

INTRODUCTION

This manual provides essential information for the proper use, maintenance, and care of your Firestone FireHawk A/S V2 UHP All Season Passenger Tire. Please read this manual thoroughly before installation and use to ensure optimal performance and safety.

The Firestone FireHawk A/S V2 is a high-performance all-season tire designed to deliver reliable traction and handling in various weather conditions. Its advanced tread design and durable construction contribute to a long service life and consistent performance.

SETUP AND INSTALLATION

Proper installation is crucial for tire performance and safety. It is highly recommended that tire installation be performed by a qualified professional using appropriate equipment.

Pre-Installation Checks

- **Vehicle Compatibility:** Ensure the tire size (245/45R20) and load/speed ratings (103W XL) match your vehicle's specifications as recommended by the vehicle manufacturer.
- **Rim Condition:** Inspect rims for damage, corrosion, or deformation. Only install tires on undamaged, clean rims.
- **Tire Inspection:** Before mounting, visually inspect the tire for any manufacturing defects or shipping damage.

Mounting Procedure

1. Clean the tire bead and rim seat thoroughly.
2. Apply a suitable tire mounting lubricant to the tire beads and rim flanges.
3. Mount the tire onto the rim using a tire mounting machine, ensuring the tire's rotation direction (if indicated) is correct.
4. Inflate the tire slowly to the recommended pressure, ensuring both beads seat properly. Do not exceed 40 PSI (2.75 bar) to seat beads.

5. Once beads are seated, adjust the tire pressure to the vehicle manufacturer's recommended cold inflation pressure, typically found on a placard inside the driver's door jamb or in the owner's manual. The maximum pressure for this tire is 50 PSI.
6. Balance the tire and wheel assembly using a wheel balancing machine to prevent vibrations.



Figure 1: Firestone FireHawk A/S V2 tire mounted on a wheel, showcasing the tread pattern and sidewall markings. This image illustrates the tire's appearance when properly installed.

OPERATING GUIDELINES

Adhering to these operating guidelines will help maximize the performance, safety, and lifespan of your Firestone

FireHawk A/S V2 tires.

Tire Pressure

Maintain correct tire inflation pressure as specified by your vehicle manufacturer. Check tire pressure at least once a month when tires are cold (before driving). Under-inflation can lead to excessive heat buildup, premature wear, and reduced fuel efficiency. Over-inflation can result in a harsher ride, reduced traction, and uneven wear.

Driving Conditions

- **All-Season Performance:** These tires are designed for year-round capabilities, offering good traction in wet, dry, and light snow conditions due to their dense pattern of channels and extra biting edges.
- **Speed Rating:** The 'W' speed rating indicates the tire is designed for speeds up to 168 mph (270 km/h). Always adhere to legal speed limits and adjust driving speed to road and weather conditions.
- **Load Capacity:** The '103 XL' load index signifies a maximum load capacity of 1929 lbs (875 kg) per tire at maximum inflation pressure. Do not exceed your vehicle's Gross Vehicle Weight Rating (GVWR) or Gross Axle Weight Rating (GAWR).



Figure 2: Top-down view of the Firestone FireHawk A/S V2 tire tread. This image highlights the asymmetrical tread pattern and biting edges designed for enhanced all-season traction.

MAINTENANCE

Regular maintenance extends tire life and ensures safe operation.

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. Regular rotation helps promote even tread wear across all four tires, contributing to a longer overall tire life and consistent handling characteristics.



Figure 3: A stack of Firestone FireHawk A/S V2 tires, illustrating the robust construction and readiness for installation. Proper storage and handling are important for tire longevity.

Tread Depth Inspection

Regularly inspect tread depth. The FireHawk A/S V2 has a tread depth of 9/32nds when new. Tires should be replaced when tread depth reaches 2/32nds of an inch (1.6 mm), indicated by the tread wear indicators (small bars molded into the tread grooves). Driving with worn tires significantly reduces traction, especially in wet conditions.

Wheel Alignment and Balancing

Have your vehicle's wheel alignment checked periodically, especially if you notice uneven tire wear or steering issues. Proper alignment prevents premature and irregular tire wear. Re-balance tires if you notice vibrations while driving.

Cleaning and Storage

Clean tires with mild soap and water. Avoid harsh chemicals that can degrade rubber. When storing tires not in use, keep them in a cool, dry place away from direct sunlight, heat sources, and ozone-producing equipment (e.g., electric motors).

TROUBLESHOOTING COMMON ISSUES

Issue	Possible Cause	Solution
Uneven Tread Wear	Improper inflation, misaligned wheels, worn suspension components, lack of rotation.	Check and adjust tire pressure. Have wheel alignment checked. Rotate tires regularly. Inspect suspension.
Vibrations at Speed	Unbalanced wheels, bent rim, tire damage, worn suspension.	Have tires re-balanced. Inspect rims and tires for damage. Consult a professional for suspension check.
Rapid Tread Wear	Aggressive driving, under-inflation, misaligned wheels, incorrect tire for application.	Adjust driving habits. Maintain correct tire pressure. Check alignment. Ensure tire is suitable for vehicle.
Loss of Air Pressure	Puncture, faulty valve stem, damaged rim, bead leak.	Inspect tire for punctures. Check valve stem. Have tire and rim inspected by a professional.

For any issues not resolved by these steps, or for significant tire damage, consult a certified tire professional immediately.

PRODUCT SPECIFICATIONS

Feature	Detail
Brand	Firestone
Model	FireHawk A/S V2
Size	245/45R20
Load/Speed Rating	103W XL (Extra Load)
Seasons	All Season
Section Width	245 Millimeters
Tread Depth (New)	9/32nds
Tread Type	Asymmetrical
Maximum Pressure	50 PSI (Pound per Square Inch)
Ply Rating	4-Ply
Rim Width	20 Inches
Tire Diameter	28.70 Inches
Item Weight	28.7 Pounds
Construction Type	Radial
UTQG	500-A-A

WARRANTY AND SUPPORT

Limited Manufacturer Tread Life Warranty

The Firestone FireHawk A/S V2 tire is backed by an up to 50,000 mile limited manufacturer tread life warranty. This warranty applies to the original purchaser and vehicle, and is subject to specific terms and conditions, including proper tire maintenance and rotation. For full details regarding the warranty coverage, limitations, and claim procedures, please refer to the official Firestone warranty documentation provided with your purchase or visit the official Firestone website.

Customer Support

For technical assistance, warranty claims, or general inquiries, please contact Firestone customer support or visit an authorized Firestone dealer. Contact information can typically be found on the official Firestone website or on your purchase documentation.

Note: This manual provides general guidance. Always refer to your vehicle's owner's manual and consult with a certified tire professional for specific recommendations and services.