

## DUNLOP D401

# Dunlop Harley Davidson D401 Front Motorcycle Tire (100/90-19) User Manual

Model: D401 | Size: 100/90-19

## INTRODUCTION

This manual provides essential information for the proper installation, use, and maintenance of your Dunlop Harley Davidson D401 Front Motorcycle Tire (100/90-19). Adhering to these instructions will help ensure optimal performance, safety, and longevity of your tire. Please read this manual thoroughly before installation and use.

## SAFETY INFORMATION

Motorcycle tires are critical safety components. Incorrect installation, maintenance, or use can lead to serious injury or death. Always consult a qualified motorcycle technician for tire installation and service. Observe all local laws and regulations regarding tire use.

- Tire Pressure:** Maintain correct tire pressure as specified by your motorcycle manufacturer. Check pressure frequently when tires are cold.
- Load Capacity:** Do not exceed the maximum load capacity indicated on the tire sidewall.
- Speed Rating:** Do not exceed the maximum speed rating of the tire.
- Tire Inspection:** Regularly inspect tires for cuts, punctures, bulges, or excessive wear. Replace damaged or excessively worn tires immediately.
- Break-in Period:** New tires require a break-in period of approximately 100 miles (160 km) to allow for proper seating and to scuff off mold release agents. Avoid aggressive acceleration, hard braking, and sharp turns during this period.

## SETUP AND INSTALLATION

Proper installation is crucial for tire performance and safety. It is strongly recommended that tire installation be performed by a certified professional using appropriate tools and techniques.

- Compatibility Check:** Ensure the tire size (100/90-19) and type (front) are compatible with your specific

Harley-Davidson motorcycle model as recommended by the motorcycle manufacturer.

2. **Rim Inspection:** Before mounting, thoroughly inspect the wheel rim for any damage, corrosion, or deformities. Clean the rim thoroughly.
3. **Valve Stem:** Always replace the valve stem when installing a new tire to ensure proper sealing and prevent air loss.
4. **Mounting:** Use proper tire mounting lubricants and equipment. Ensure the tire is mounted with the correct rotational direction, if indicated by an arrow on the sidewall.
5. **Bead Seating:** Inflate the tire slowly to seat the beads. Do not exceed the maximum bead seating pressure specified on the tire sidewall. Once beads are seated, adjust to the recommended operating pressure.
6. **Balancing:** After mounting, the wheel and tire assembly must be dynamically balanced to prevent vibrations and uneven wear.



Image: The Dunlop Harley Davidson D401 Front Tire, 100/90-19, mounted on a chrome motorcycle wheel, showcasing its tread pattern and sidewall markings. This image illustrates the tire's appearance when properly installed.

Once installed, proper operating practices contribute significantly to tire life and rider safety.

- **Tire Pressure:** Always maintain the tire pressure recommended by your motorcycle manufacturer. Under-inflation can lead to excessive heat buildup and tire failure, while over-inflation can reduce traction and ride comfort.
- **Load Limits:** Do not overload your motorcycle. Refer to your motorcycle's owner's manual for maximum load capacity.
- **Speed Limits:** Adhere to the tire's speed rating. Exceeding this rating can cause tire failure.
- **Road Hazards:** Exercise caution on rough roads, potholes, and debris. Impacts can damage tires and wheels.
- **Wet Weather:** Reduce speed and increase following distance in wet conditions. Tire grip is reduced on wet surfaces.

## MAINTENANCE

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Regular maintenance is essential for extending the life of your Dunlop D401 tire and ensuring safe operation.

- **Pressure Checks:** Check tire pressure at least once a week, and always before long rides, using an accurate tire gauge. Ensure tires are cold.
- **Visual Inspection:** Regularly inspect the tire tread and sidewalls for signs of wear, cuts, cracks, bulges, or embedded objects.
- **Tread Depth:** Monitor tread depth. Replace tires when tread wear indicators are visible or when tread depth reaches the minimum legal limit for your region.
- **Cleaning:** Clean tires with mild soap and water. Avoid harsh chemicals or petroleum-based products that can degrade rubber.
- **Storage:** If storing the motorcycle for an extended period, ensure tires are properly inflated and ideally off the ground to prevent flat spots. Store in a cool, dry place away from direct sunlight and ozone-producing equipment.

## TROUBLESHOOTING

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Symptom	Possible Cause	Solution
Rapid or uneven tread wear	Incorrect tire pressure, improper balancing, misaligned wheels, aggressive riding style.	Check and adjust tire pressure. Have wheels balanced and alignment checked by a professional. Adjust riding habits.
Vibrations or wobbling	Unbalanced wheel, damaged rim, loose wheel bearings, tire defect.	Have wheel balanced. Inspect rim and wheel bearings. If issue persists, consult a professional for tire inspection.
Loss of air pressure	Puncture, faulty valve stem, bead leak, damaged rim.	Inspect tire for punctures. Check valve stem. Have tire and rim inspected by a professional for leaks.
Reduced grip	Worn tread, incorrect tire pressure, tire contamination (oil, grease).	Check tread depth and replace if worn. Verify tire pressure. Clean tire if contaminated.

## SPECIFICATIONS

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Feature	Detail
Brand	DUNLOP
Model	D401 Harley Davidson Front Tire
Size	100/90-19
Tread Type	Directional
Rim Width	2.15 Inches
Tire Diameter	41.54 inches
Automotive Fit Type	Vehicle Specific Fit
Load Range	L
Construction Type	Bias
Item Weight	14 pounds
OEM Part Number	55193-10
Manufacturer Part Number	45064058
UPC	848983023421, 848983014429

## WARRANTY INFORMATION

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Dunlop tires are manufactured to high-quality standards. For specific warranty details, including coverage, duration, and claim procedures, please refer to the official Dunlop website or contact Dunlop customer service. Keep your purchase receipt as proof of purchase.

*Note: Warranty coverage typically does not extend to damage caused by improper installation, incorrect inflation, overloading, road hazards, or misuse.*

## SUPPORT AND CONTACT

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For further assistance, technical questions, or to locate an authorized Dunlop dealer, please visit the official Dunlop website or contact their customer support:

- **Dunlop Official Website:** [www.dunlopmotorcycl tires.com](http://www.dunlopmotorcycl tires.com)
- **Customer Service:** Refer to the website for current contact information (phone numbers, email).

Always provide your tire's model number (D401) and size (100/90-19) when seeking support.



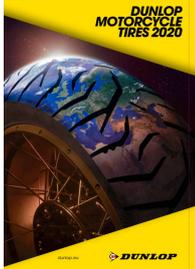
### [Dunlop Motorcycle Tire Application Guide](#)

Comprehensive guide to Dunlop motorcycle tires, detailing applications, specifications, and safety information for a wide range of motorcycle makes and models.



### [Dunlop 2012 Motorcycle, Scooter, and ATV Fitment and Pressure Guide](#)

Comprehensive 2012 Dunlop guide for motorcycle, scooter, and ATV tire fitment and pressure recommendations. Find the perfect tire for your vehicle and riding needs.



### [Dunlop Motorcycle Tires 2020 Catalog](#)

Explore the comprehensive 2020 catalog of Dunlop motorcycle tires, featuring detailed product information, segment definitions, key technologies, and specifications for a wide range of riding styles.



### [Dunlop UV-1FC Uni-Vibe Foot Controller Operating Instructions](#)

Learn how to connect and operate the Dunlop UV-1FC Uni-Vibe Foot Controller with your UV-1 effect pedal. This guide covers setup, function, and tension adjustment for optimal performance.



### [SC95 Slash Cry Baby Classic Wah Owner's Manual](#)

Owner's manual for the Dunlop SC95 Slash Cry Baby Classic Wah pedal, detailing power, setup, and specifications.



### [Dunlop Authentic Hendrix '68 Shrine Series Uni-Vibe Chorus/Vibrato JHMS3 Guitar Pedal](#)

Explore the Dunlop Authentic Hendrix '68 Shrine Series Uni-Vibe Chorus/Vibrato (JHMS3) guitar pedal. This document details its custom artwork, external controls, basic operation, power requirements, and comprehensive technical specifications for both VIBE OFF and VIBE ON modes.