

Goodyear 302091

Goodyear Dunlop D402 Motorcycle Tire User Manual

Model: 302091

1. PRODUCT OVERVIEW

The Dunlop D402 MT90B16 Front Motorcycle Tire, model 302091, is designed for touring motorcycles, specifically as original equipment for Harley-Davidson models. This blackwall tire features a robust construction and tread pattern optimized for stability and longevity on the road. It is engineered to meet the demands of touring, providing reliable performance for extended journeys.



Figure 1.1: Front view of the Dunlop D402 MT90B16 tire mounted on a rim, showcasing its blackwall design and tread pattern.

2. KEY FEATURES

- **OEM Specification:** Designed as original equipment for specific Harley-Davidson touring models, ensuring compatibility and performance.
- **Touring Design:** Optimized for long-distance riding, offering stability and comfort.
- **Blackwall Construction:** Features a classic black sidewall appearance.
- **Durable Tread Compound:** Engineered for extended tread life and consistent grip.
- **Specific Fitment:** MT90B16 front tire size, suitable for 16-inch rims.
- **Made in the U.S.A.:** Manufactured in the United States, ensuring quality standards.



Figure 2.1: Close-up view of the tire sidewall, clearly showing the "DUNLOP D402" branding.



Figure 2.2: Close-up view of the tire sidewall, displaying the "HARLEY DAVIDSON" branding, indicating its OEM application.



Figure 2.3: The Dunlop D402 tire, featuring a "Made in the U.S.A." label, indicating its manufacturing origin.

3. INSTALLATION AND SETUP

Proper installation of motorcycle tires is critical for safety and performance. It is highly recommended that tire installation be performed by a qualified professional using appropriate tools and techniques.

3.1 Pre-Installation Checks

- Verify that the tire size (MT90B16) matches the motorcycle manufacturer's specifications for the front wheel.
- Inspect the tire for any shipping damage or manufacturing defects before mounting.
- Ensure the rim is clean, free of damage, and compatible with tubeless tires if applicable.

3.2 Mounting Instructions (Professional Installation Recommended)

1. Lubricate the tire beads and rim flanges with a suitable tire mounting lubricant.
2. Mount the tire onto the rim, ensuring the rotational arrow (if present) points in the direction of forward rotation.
3. Inflate the tire slowly to seat the beads, ensuring they are fully seated on the rim. Do not exceed the maximum bead seating pressure indicated on the tire sidewall.
4. Once beads are seated, adjust tire pressure to the motorcycle manufacturer's recommended cold inflation pressure.
5. Balance the wheel assembly to ensure smooth operation and prevent vibration.

Important: Always refer to your motorcycle's owner's manual for specific tire pressure recommendations and installation guidelines.

4. OPERATION AND USAGE

Proper tire operation involves maintaining correct inflation pressure and adhering to load and speed ratings.

4.1 Tire Pressure

- Check tire pressure frequently (at least weekly) when tires are cold.
- Always use the motorcycle manufacturer's recommended inflation pressures, not the maximum pressure listed on the tire sidewall.
- Incorrect tire pressure can lead to premature wear, reduced handling, and increased risk of tire failure.

4.2 Load and Speed Ratings

- Do not exceed the maximum load capacity or speed rating indicated on the tire sidewall.
- Overloading or exceeding speed limits can cause tire overheating and failure.

5. MAINTENANCE AND CARE

Regular maintenance extends tire life and ensures safe riding.

- **Regular Inspection:** Periodically inspect tires for cuts, punctures, bulges, cracks, or uneven wear. Remove any embedded foreign objects.
- **Tread Depth:** Check tread depth regularly. Replace tires when tread wear indicators are visible or when tread depth reaches the minimum legal limit.
- **Cleaning:** Clean tires with mild soap and water. Avoid petroleum-based cleaners or tire dressings that can degrade rubber.
- **Storage:** When storing the motorcycle for extended periods, ensure tires are off the ground or rotate them periodically to prevent flat spots. Store in a cool, dry place away from direct sunlight and ozone-producing equipment.



Figure 5.1: Overhead view of the Dunlop D402 tire, highlighting its specific tread pattern designed for touring performance.

6. TROUBLESHOOTING

This section addresses common issues related to motorcycle tires.

6.1 Uneven Tire Wear

- **Cause:** Incorrect tire pressure, improper wheel alignment, worn suspension components, or aggressive riding style.
- **Solution:** Verify and adjust tire pressure, have alignment checked by a professional, inspect suspension, and adjust riding habits.

6.2 Vibration or Wobble

- **Cause:** Unbalanced wheel, bent rim, loose wheel bearings, or tire defect.
- **Solution:** Have the wheel balanced, inspect rim for damage, check wheel bearings, and consult a professional if a tire defect is suspected.

6.3 Loss of Air Pressure

- **Cause:** Puncture, leaky valve stem, damaged rim, or improper bead seating.
- **Solution:** Inspect tire for punctures, check valve stem, examine rim, and ensure proper bead seating. Seek professional repair for punctures.

7. PRODUCT SPECIFICATIONS

Specification	Value
Brand	Goodyear (Dunlop D402)
Model Number	302091
Position	Front
Rim Diameter	16 Inches
Rim Size	16 Inches
Exterior	Black (Blackwall)
Seasons	Year Round
Manufacturer	DUNLOP
First Available Date	August 6, 2007

7.1 Compatibility

This tire is designed as original equipment for various Harley-Davidson touring models. For a comprehensive list of compatible models, please refer to the motorcycle manufacturer’s specifications or consult a qualified tire professional.



Figure 7.1: Partial list of Harley-Davidson and Indian models for which this tire may be compatible or original equipment. Always verify with your motorcycle's manual.

8. WARRANTY INFORMATION

Goodyear (Dunlop) tires are covered by a limited warranty against defects in materials and workmanship. The specific terms and conditions of the warranty may vary. Please retain your proof of purchase. For detailed warranty information, refer to the official Goodyear or Dunlop website, or contact their customer service department.

This warranty typically covers manufacturing defects and materials for a specified period or tread life, whichever comes first. It generally does not cover damage due to improper installation, road hazards, misuse, or inadequate maintenance.

9. SUPPORT AND CONTACT

For technical assistance, product inquiries, or warranty claims, please contact Goodyear or Dunlop customer support through their official channels.

- **Official Website:** Visit the official Goodyear or Dunlop Tires website for the most up-to-date information, FAQs, and contact details.
- **Authorized Dealers:** Consult with an authorized Goodyear or Dunlop tire dealer for professional advice, installation, and service.
- **Customer Service:** Refer to the contact section on the official brand website for phone numbers or email support.

When contacting support, please have your tire's model number (302091), purchase date, and any relevant details about your inquiry ready.



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This manual is for informational purposes only. Always consult a qualified professional for installation and service.

Documents - Goodyear – 302091

no relevant documents