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> BFGoodrich Mud-Terrain T/A KM3 Radial Tire User Manual

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Model: BFGoodrich® Mud Terrain T/A KM3 (Part No. 50627)

1. PRODUCT OVERVIEW

The BFGoodrich Mud-Terrain T/A KM3 is a high-performance radial tire specifically designed for extreme off-road conditions. It is engineered to provide superior traction and durability for UTVs and other off-road vehicles, making it a must-have for enthusiasts tackling challenging terrains. Its robust construction and advanced tread design ensure reliable performance whether you're navigating through deep mud, climbing rocky trails, or traversing loose soil.



Figure 1.1: Front view of the BFGoodrich Mud-Terrain T/A KM3 Radial Tire, showcasing its aggressive tread pattern and robust sidewall.

2. KEY FEATURES

- **Made to Mud:** Features a Terrain-Attack Tread Design with massive tread blocks engineered to deliver incredible grip from any approach angle, allowing you to power through mud and loose soil.
- **Built to Climb:** Incorporates advanced UTV-specific tread compounds that enhance grip on rock and slick surfaces, enabling confident navigation over Earth's toughest terrains.
- **Increased Sidewall Strength:** Designed with robust sidewalls to resist punctures and bruising, providing increased durability in harsh off-road environments.
- **Standard Limited 6 Year Warranty:** Provides peace of mind with a comprehensive warranty.
- **Vehicle Specific Fit Type:** Ensures optimal performance and compatibility with a wide range of vehicles.
- **High Load Capacity:** Capable of handling loads up to 1694.0 pounds, suitable for heavy-duty applications.



Figure 2.1: Close-up view of the Mud-Terrain T/A KM3's aggressive tread and reinforced sidewall, designed for extreme off-road performance.

Video 2.1: Official BFGoodrich Mud-Terrain T/A KM3 promotional video showcasing the tire's aggressive mud traction, increased sidewall strength, and tougher rock traction in various challenging off-road scenarios. This video highlights the tire's design for extreme conditions and its performance capabilities.

3. INSTALLATION GUIDE

Proper installation is crucial for the performance and longevity of your BFGoodrich Mud-Terrain T/A KM3 tires. It is highly recommended that tire installation be performed by a certified professional using appropriate equipment.

3.1. Pre-Installation Checks

- Verify that the tire size (30x10.00R15NHS/8PR Q 124Q 8) matches your vehicle's specifications and rim size.
- Inspect rims for damage, corrosion, or deformities. Only use rims that are in good condition and meet industry standards.
- Ensure all mounting surfaces are clean and free of debris.

3.2. Mounting Procedure (Professional Recommended)

1. Lubricate tire beads and rim flanges with an approved rubber lubricant.
2. Mount the tire onto the rim, ensuring proper bead seating.
3. Inflate the tire slowly and carefully to the recommended seating pressure, ensuring both beads are fully seated. Do not exceed the maximum seating pressure listed on the tire sidewall.
4. Once beads are seated, adjust tire pressure to the vehicle manufacturer's recommended operating pressure (refer to your vehicle's owner's manual or tire placard).
5. Balance the tire and wheel assembly using a dynamic wheel balancer to ensure smooth operation and prevent premature wear.
6. Install the balanced wheel assembly onto the vehicle, tightening lug nuts to the vehicle manufacturer's specified torque settings in a star pattern.

3.3. Post-Installation

- Re-check lug nut torque after the first 50-100 miles of driving.
- Monitor tire pressure regularly, especially before and after off-road excursions.

4. OPERATING GUIDELINES

The BFGoodrich Mud-Terrain T/A KM3 is engineered for versatility across various challenging terrains. Understanding optimal usage for different environments will maximize performance and tire life.

4.1. Off-Road Driving

- **Mud and Loose Soil:** The aggressive Terrain-Attack Tread Design excels in these conditions. Consider slightly lowering tire pressure (airing down) for increased flotation and traction, but always re-inflate to recommended pressure for on-road use.
- **Rock Crawling:** The advanced UTV-specific compounds and robust sidewalls provide excellent grip and resistance to damage. Airing down can significantly improve conformity to rock surfaces, enhancing traction and cushioning.
- **Sand:** For deep sand, airing down is critical to create a larger footprint, allowing the tire to float over the sand rather than digging in.
- **Gravel and Dirt:** These tires provide strong grip and stability on unpaved roads. Maintain appropriate speed for conditions to prevent excessive wear or damage.

4.2. On-Road Driving

- While primarily an off-road tire, the KM3 offers a surprisingly quiet and cushioned ride on paved surfaces compared to many aggressive mud tires.
- Maintain recommended tire pressure for optimal fuel efficiency, handling, and tread life on highways.
- Avoid aggressive cornering or high speeds, as the large tread blocks designed for off-road grip may result in different handling characteristics on pavement.



Figure 4.1: A vehicle equipped with BFGoodrich Mud-Terrain T/A KM3 tires navigating challenging off-road terrain, demonstrating the tire's capability.

5. MAINTENANCE AND CARE

Regular maintenance extends the life and ensures the safety of your BFGoodrich Mud-Terrain T/A KM3 tires.

- **Tire Pressure:** Check tire pressure weekly using a reliable gauge. Always check when tires are cold. Refer to your vehicle's tire placard for recommended pressures. Adjust pressure for specific off-road conditions as needed, but always re-inflate for on-road use.
- **Tire Rotation:** Rotate tires every 5,000 to 7,500 miles, or as recommended by your vehicle manufacturer, to promote even wear and maximize tread life.
- **Visual Inspection:** Regularly inspect tires for signs of damage, such as cuts, punctures, bulges, or uneven wear. Remove any embedded rocks or debris from the tread grooves.
- **Tread Depth:** Monitor tread depth. Replace tires when tread depth reaches the minimum legal limit (typically 2/32nds of an inch in most regions) or when performance in wet or off-road conditions significantly diminishes.
- **Cleaning:** Clean tires with mild soap and water. Avoid harsh chemicals or petroleum-based products that can degrade rubber.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your tires.

Issue	Possible Cause	Solution
Uneven Tread Wear	Improper inflation, misalignment, unbalanced wheels, lack of rotation.	Check and adjust tire pressure. Have vehicle alignment checked. Balance wheels. Implement regular tire rotation schedule.
Vibration or Shimmy	Unbalanced wheels, bent rim, loose lug nuts, worn suspension components.	Have wheels re-balanced. Inspect rims for damage. Check lug nut torque. Consult a mechanic for suspension inspection.

Issue	Possible Cause	Solution
Loss of Traction (Off-Road)	Incorrect tire pressure for terrain, excessive speed, unsuitable terrain.	Adjust tire pressure for specific terrain (air down if safe). Reduce speed. Evaluate if terrain is suitable for tire capabilities.
Puncture/Flat Tire	Road hazard, sharp object.	Inspect for damage. If repairable, have it professionally patched from the inside. If not, replace the tire.

7. TECHNICAL SPECIFICATIONS

Detailed specifications for the BFGoodrich Mud-Terrain T/A KM3 Radial Tire (30x10.00R15NHS/8PR Q 124Q 8).

Specification	Value
Brand	BFGoodrich
Model	BFGoodrich® Mud Terrain T/A KM3
Item Model Number	50627
Size	30x10.00R15NHS/8PR Q 124Q 8
Seasons	Year Round
Section Width	10 Inches
Load Capacity	1694 Pounds
Tread Depth	18 32nds
Tread Type	Symmetrical
Maximum Pressure	44 Pound per Square Inch
Ply Rating	8
Rim Width	8.5 Inches
Tire Diameter	30 Inches
Item Weight	39.7 Pounds
Construction Type	Radial
Automotive Fit Type	Universal Fit

8. WARRANTY INFORMATION

The BFGoodrich Mud-Terrain T/A KM3 Radial Tire comes with a Standard Limited 6 Year Warranty. This warranty covers defects in materials and workmanship for a period of six years from the date of purchase or until the tread wears down to 2/32nds of an inch, whichever comes first. For full details regarding warranty coverage, limitations, and claims procedures, please refer to the official BFGoodrich warranty documentation provided with your purchase or visit the BFGoodrich website.

9. CUSTOMER SUPPORT

For further assistance, technical inquiries, or support regarding your BFGoodrich Mud-Terrain T/A KM3 tires, please contact BFGoodrich customer service or visit their official website.

BFGoodrich Official Website: www.bfgoodrich.com

BFGoodrich Store on Amazon: [Visit the BFGoodrich Store](#)

This manual is intended for informational purposes only. Always follow local laws and regulations regarding tire use and maintenance.

