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> Pirelli MT66-F 80/90H21 TT Motorcycle Tire User Manual

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Model: MT66-F 80/90H21 TT - 0801100

1. PRODUCT OVERVIEW

The Pirelli MT66-F 80/90H21 TT is a street-type motorcycle tire designed for cruiser applications. It features a classic design combined with modern compounds to enhance handling characteristics. This tire is engineered for wet grip, reliable handling, riding comfort, and durability, aiming to provide a smooth ride with stability.

This tire is rated for a load of 48 and a speed rating of H. It is intended for the front position on a 21-inch rim. The tire size is 80/90-21.



Image 1.1: Pirelli MT66-F 80/90H21 TT Motorcycle Tire. This image displays the tread pattern and sidewall of the tire.

2. SAFETY INFORMATION

Important: Motorcycle tires are critical safety components. Incorrect installation, maintenance, or usage can lead to serious injury or death. Always consult a qualified motorcycle tire professional for installation and service.

- **Professional Installation:** Always have tires installed by a certified professional.
- **Tire Pressure:** Maintain correct tire inflation pressure as specified by your motorcycle manufacturer. Check pressure regularly when tires are cold.
- **Load and Speed Ratings:** Do not exceed the tire's maximum load capacity (Load Rating 48) or speed rating (H).
- **Tire Matching:** Ensure front and rear tires are compatible and suitable for your motorcycle model.
- **Inspection:** Regularly inspect tires for cuts, punctures, bulges, or excessive wear.

- **Proposition 65 Warning:** This product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

3. SETUP AND INSTALLATION

Tire installation requires specialized tools and expertise. It is strongly recommended that installation be performed by a professional motorcycle technician.

- **Rim Compatibility:** Ensure the tire size (80/90-21) and rim size (21 inches) are compatible with your motorcycle's wheels.
- **Direction of Rotation:** Observe the rotation arrow on the tire sidewall and mount the tire accordingly.
- **Bead Seating:** Ensure the tire beads are properly seated on the rim.
- **Balancing:** After mounting, the wheel and tire assembly must be dynamically balanced to prevent vibration and uneven wear.
- **New Tire Break-in:** New tires require a break-in period of approximately 100 miles (160 km) to allow the tire surface to scuff in and for the rider to become accustomed to the new tire's characteristics. Avoid sudden acceleration, hard braking, and aggressive cornering during this period.

4. OPERATING GUIDELINES

Proper operation and adherence to guidelines ensure optimal performance and safety of your Pirelli MT66-F tire.

- **Tire Pressure:** Always refer to your motorcycle's owner's manual or the placard on the vehicle for recommended tire pressures. Under-inflation or over-inflation can compromise handling, stability, and tire life.
- **Load Capacity:** Do not exceed the maximum load capacity of the tire (Load Index 48, approximately 397 lbs / 180 kg per tire). Consider the weight of the rider, passenger, and luggage.
- **Speed Rating:** The tire has an H speed rating, indicating a maximum speed of 130 mph (210 km/h) under specified load and inflation conditions. Never exceed legal speed limits or the tire's speed rating.
- **Road Conditions:** Adjust riding style according to road conditions, especially in wet weather. While designed for wet grip, reduced traction is always a factor on wet surfaces.

5. MAINTENANCE

Regular maintenance extends the life of your tire and ensures safe riding.

- **Tire 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 they reach the minimum legal tread depth or when wear indicators become visible.
- **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.

6. TROUBLESHOOTING

This section addresses common issues related to motorcycle tires. For severe problems, consult a professional technician.

- **Rapid or Uneven Wear:**
 - **Cause:** Incorrect tire pressure, improper wheel alignment, unbalanced wheel, worn suspension components, aggressive riding style.
 - **Solution:** Check and adjust tire pressure. Have alignment and balancing checked by a professional. Inspect suspension.
- **Vibration or Wobble:**
 - **Cause:** Unbalanced wheel, bent rim, tire defect, loose wheel bearings, worn suspension.
 - **Solution:** Have the wheel balanced and inspected by a professional. Check wheel bearings and suspension.
- **Loss of Air Pressure:**
 - **Cause:** Puncture, faulty valve stem, bead leak, rim damage.
 - **Solution:** Inspect the tire for punctures. Check valve stem. Seek professional repair or replacement.
- **Poor Handling:**
 - **Cause:** Incorrect tire pressure, worn tires, incompatible tire combination, suspension issues.
 - **Solution:** Verify tire pressures. Inspect tire condition. Consult a professional for diagnosis.

7. SPECIFICATIONS

Feature	Detail
Brand	Pirelli
Model	MT66-F
Tire Size	80/90-21 (48H)
Position	Front
Rim Size	21 Inches
Section Width	80 Millimeters
Tire Aspect Ratio	90.0
Load Index	48 (approximately 397 lbs / 180 kg)
Speed Rating	H (up to 130 mph / 210 km/h)

Load Capacity	1521 Pounds (Note: This value from raw data appears inconsistent with Load Index 48. Always refer to the Load Index for accurate capacity.)
Tread Type	Directional
Maximum Pressure	310 Kilopascal (approximately 45 PSI)
Ply Rating	10-Ply
Seasons	Year Round
Item Dimensions (approx.)	26.1 x 26.6 x 2.4 inches

Note: All data should be verified by a tire professional, the vehicle placard, and/or the vehicle owner's manual.

8. WARRANTY AND SUPPORT

Specific warranty terms and conditions for Pirelli tires are provided by the manufacturer. Please retain your proof of purchase.

- **Warranty Information:** For detailed warranty coverage, please refer to the official Pirelli website or contact your authorized Pirelli dealer.
- **Customer Support:** For technical assistance or inquiries, contact Pirelli customer service or your tire retailer.

The manufacturer's website can typically be found by searching for "Pirelli official website".

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