Topeak Mountain TT Twin Turbo Pump

Topeak Mountain TT Twin Turbo Pump Instruction Manual

Model: Mountain TT Twin Turbo Pump

Brand: Topeak

1. Introduction

Thank you for choosing the Topeak Mountain TT Twin Turbo Pump. This manual provides essential information for the proper setup, operation, and maintenance of your new pump. Designed for mountain, gravel, and fat bikes, this pump features advanced TwinTurbo technology for efficient and rapid tire inflation. Please read this manual thoroughly before use to ensure optimal performance and longevity of your product.

2. Product Features

- **High-Performance Inflation:** The TwinTurbo system compresses air on both push and pull strokes, doubling efficiency for faster tire inflation up to 120 psi / 8.3 bar.
- **Universal Valve Fit:** Compatible with Presta, Schrader, and Dunlop valves, ensuring versatile use across various bicycle setups.
- **Durable Construction:** Built from precision aluminum with a sturdy polymer handle and thumb lock, providing dependable performance in all weather conditions.
- **Compact & Powerful:** Ideal for both high-pressure MTB tires and large-volume fat bike tires, combining strength, efficiency, and portability.
- **Secure Mounting System:** Includes a side-mount bracket with dust cap protection, keeping your pump clean, accessible, and ready on every ride.



Figure 1: Topeak Mountain TT Twin Turbo Pump. This image shows the overall design of the pump, highlighting its compact and robust construction.

3. What's in the Box

- Topeak Mountain TT Twin Turbo Pump
- Side-mount bracket with securing straps

4. Setup

4.1 Mounting the Pump

The Topeak Mountain TT Twin Turbo Pump comes with a side-mount bracket for convenient attachment to your bicycle frame. This bracket typically mounts to the water bottle cage bosses.

1. Identify the water bottle cage bosses on your bike frame.
2. Align the side-mount bracket with the bosses and secure it using the provided screws.
3. Place the pump into the bracket and secure it with the integrated rubber straps. Ensure the pump is held firmly to prevent movement during rides.



Figure 2: The pump securely mounted on a bicycle frame using the side-mount bracket. This demonstrates how the pump can be carried conveniently on your bike.

4.2 Adjusting Valve Compatibility

The pump head is designed to be compatible with Presta, Schrader, and Dunlop valves. To switch between valve types:

1. Unscrew the cap on the pump head.
2. Remove the internal rubber grommet and plastic guide.
3. Flip the rubber grommet and plastic guide to reverse their orientation. The wider end of the rubber grommet should face outwards for Schrader/Dunlop valves, and the narrower end for Presta valves.
4. Reinsert the components and screw the cap back on tightly.



Figure 3: Close-up view of the pump head, illustrating the components for adjusting valve compatibility between Presta and Schrader/Dunlop types.

Your browser does not support the video tag.

Video 1: Mountain TT Twin Turbo Overview. This video demonstrates the pump's features, including how to convert the valve for Presta or Schrader, and how to mount it on a bicycle frame.

5. Operating Instructions

5.1 Inflating a Tire

To inflate your bicycle tire using the Mountain TT Twin Turbo Pump:

1. Ensure the pump head is configured for your valve type (Presta, Schrader, or Dunlop).
2. Remove the valve cap from your tire.
3. Firmly press the pump head onto the tire valve.
4. Flip the thumb lock lever to secure the pump head to the valve.

5. Begin pumping by pushing and pulling the handle. The TwinTurbo technology will inflate the tire on both strokes, providing efficient air delivery.
6. Continue pumping until the desired tire pressure is reached (refer to your tire's sidewall for recommended pressure).
7. Flip the thumb lock lever to release the pump head, then carefully remove it from the valve.
8. Replace the valve cap.

6. Maintenance

Regular maintenance ensures the longevity and optimal performance of your pump:

- **Cleaning:** Wipe down the pump with a damp cloth after use, especially if it has been exposed to dirt or mud. Avoid using harsh chemicals.
- **Lubrication:** Periodically apply a small amount of silicone-based lubricant to the pump shaft to ensure smooth operation.
- **Seals:** Inspect the rubber seals in the pump head and around the piston for any signs of wear or damage. Replace if necessary to maintain an airtight seal.
- **Storage:** Store the pump in a dry, cool place away from direct sunlight and extreme temperatures.

7. Troubleshooting

If you encounter issues with your pump, refer to the following common problems and solutions:

- **Air Leakage from Pump Head:**
  - Ensure the pump head is fully seated and the thumb lock lever is securely closed.
  - Verify that the internal rubber grommet and plastic guide are correctly oriented for your valve type.
  - Check the rubber seals for wear or damage and replace if needed.
- **Difficulty Pumping / Low Pressure:**
  - Confirm the pump head is properly attached to the valve without air escaping.
  - Inspect the pump shaft and piston for any obstructions or damage.
  - Ensure the pump is fully extended and compressed during each stroke to maximize air volume.
- **Pump Not Attaching to Valve:**
  - Double-check that the pump head is configured for the correct valve type.
  - Ensure the valve stem is clean and free of debris.

8. Specifications

- **Maximum Pressure:** 120 psi / 8.3 bar
- **Valve Compatibility:** Presta, Schrader, Dunlop
- **Material:** Aluminum (barrel), Polymer (handle)
- **Weight:** 0.58 Pounds (approx. 263 grams)
- **Dimensions (L x W x H):** 13 x 4 x 2 inches (approx. 33 x 10 x 5 cm)
- **Part Number:** 61103010

9. Warranty & Support

The Topeak Mountain TT Twin Turbo Pump is covered by a **2-Year Manufacturer's Warranty**. This warranty covers defects in materials and workmanship under normal use. For warranty claims or technical support, please contact Topeak customer service or visit the official Topeak website for more information.

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