Topeak Tubi Cartridge G16

Topeak Tubi Cartridge G16 Storage Box Instruction Manual

1. Introduction

The Topeak Tubi Cartridge G16 is a compact and efficient tubeless tire repair kit designed specifically for gravel bikes. This kit is stored in a CO2 cartridge-style pod, offering a convenient solution for on-the-go tire repairs. It can be used independently for tire repairs or integrated with a CO2 inflator (sold separately) for both repair and inflation.

2. Safety Information

- Always handle the 2-in-1 tire reamer/plug insertion tool with care as it contains sharp components.
- Keep all components of the kit out of reach of children.
- Wear appropriate hand protection when performing tire repairs to avoid injury.
- Ensure the tire is completely deflated before attempting any repair.
- If using with a CO2 inflator, follow the inflator's specific safety instructions. CO2 cartridges contain gas under high pressure.

3. Package Contents

Verify that your Topeak Tubi Cartridge G16 Storage Box package contains the following items:

- 1 x Aluminium Storage Cartridge
- 1 x 2-in-1 Tire Reamer / 3.5mm Plug Insertion Tool
- 5 x 3.5mm x 50mm Tire Repair Plugs



This image displays the Topeak Tubi Cartridge G16 Storage Box, a compact black aluminum cylinder designed to store tire repair tools and plugs. Its sleek form factor resembles a CO2 cartridge, making it easy to carry and integrate with various bike mounting systems.

4. Setup

Before your first use, familiarize yourself with the components and prepare the kit for storage or mounting.

1. **Unpack Components:** Carefully remove all items from the packaging.
2. **Store Plugs:** The 5 tire repair plugs can be stored inside the aluminum cartridge for protection and easy access.
3. **Assemble Tool:** The 2-in-1 tool features a reamer on one end and a plug insertion needle on the other. Ensure both ends are securely attached or ready for use.
4. **Mounting (Optional):** The Tubi Cartridge G16 can be mounted to saddle rails or a bike frame using compatible Topeak mounting systems such as HybridMaster Mini, TubiMaster GX DF, NanoMaster DF, or TubiMaster GXT Bolt-on (mounting systems sold separately). Refer to the specific mounting system's instructions for installation.

5. Operating Instructions

Follow these steps to repair a tubeless tire puncture using the Tubi Cartridge G16.

5.1. Tubeless Tire Repair

1. **Locate Puncture:** Identify the source of the air leak in your tubeless tire.
2. **Prepare Reamer:** Remove the 2-in-1 tool from the cartridge. Use the reamer end to clean and prepare the puncture hole. Insert the reamer into the puncture and twist gently to clear debris and enlarge the hole slightly to accommodate the plug.
3. **Load Plug:** Thread one of the 3.5mm x 50mm tire repair plugs through the eye of the plug insertion tool. Ensure the plug is centered on the tool.
4. **Insert Plug:** Firmly push the plug insertion tool with the loaded plug into the prepared puncture hole. Push until approximately two-thirds of the plug is inside the tire, leaving a small portion exposed outside.
5. **Remove Tool:** With a quick, firm motion, pull the insertion tool straight out of the tire. The plug should remain securely in place, sealing the puncture.
6. **Check for Leaks:** Inflate the tire to a low pressure and check for any remaining air leaks. If necessary, trim any excess plug material flush with the tire surface.

5.2. Optional CO2 Inflation

If you are using the Tubi Cartridge G16 in conjunction with a CO2 inflator (e.g., Topeak HybridMaster Mini, TubiMaster GX DF), you can inflate your tire after the repair. Refer to the specific CO2 inflator's instructions for proper usage and inflation procedures.

6. Maintenance

Proper maintenance ensures the longevity and effectiveness of your Tubi Cartridge G16 kit.

- **Clean Tools:** After each use, clean the 2-in-1 reamer/insertion tool to remove any sealant residue or dirt. Use a damp cloth and dry thoroughly.
- **Store Plugs:** Keep unused tire repair plugs stored inside the aluminum cartridge, away from direct sunlight and extreme temperatures, to preserve their adhesive properties.
- **Inspect Components:** Periodically inspect the reamer/insertion tool for any signs of damage or wear. Ensure the aluminum cartridge is free from dents or corrosion.
- **Replace Plugs:** Always carry a sufficient supply of fresh tire repair plugs. Replace used plugs promptly.

7. Troubleshooting

Here are some common issues and their solutions:

- **Plug Not Sealing:**
  - Ensure the puncture hole was adequately reamed and cleaned.
  - Try inserting another plug, ensuring it is pushed firmly and deeply enough into the tire.
  - Check if the tire sealant is fresh and properly distributed within the tire.
- **Difficulty Inserting Plug:**
  - The puncture hole may not be large enough. Ream the hole further with the reamer tool.
  - Ensure the plug is properly threaded through the insertion tool.

- **Tool Stuck in Tire:**
  - Apply a small amount of tire sealant or water around the tool to lubricate it before pulling.
  - Ensure you are pulling the tool straight out, not at an angle.

8. Specifications

Model	Tubi Cartridge G16
Material	Aluminium (Cartridge)
Size	8.8 x 2.2 x 2.2 cm
Weight	39 g
Included Components	2-in-1 tire reamer / 3.5mm plug insertion tool, Aluminium Storage Cartridge, 5 x 3.5mm x 50mm tire repair plugs

9. Warranty and Support

For warranty information, product support, or to purchase replacement parts, please contact Topeak customer service or visit the official Topeak website. Keep your proof of purchase for any warranty claims.

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