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› Blackburn Pro Plugger Bike Tire Repair Tool with CO2 Kit User Manual

## Blackburn Pro Plugger

# Blackburn Pro Plugger Bike Tire Repair Tool with CO2 Kit

User Manual

## 1. INTRODUCTION

Thank you for choosing the Blackburn Pro Plugger Bike Tire Repair Tool with CO2 Kit. This tool is designed for quick and efficient repair of tubeless bicycle tire punctures and rapid inflation using CO2 cartridges. Please read this manual thoroughly before use to ensure proper operation and safety.

## 2. SAFETY INFORMATION

- Always wear appropriate hand protection when handling tire plugs and the plugger tool, as the tip is sharp.
- CO2 cartridges contain gas under high pressure. Handle with care. Do not expose to direct sunlight or temperatures exceeding 120°F (49°C).
- Keep CO2 cartridges and tire plugs out of reach of children.
- Do not attempt to puncture CO2 cartridges by any means other than the intended inflator mechanism.
- Always point the CO2 inflator away from your face and body when discharging.
- Dispose of used CO2 cartridges responsibly according to local regulations.

## 3. PACKAGE CONTENTS

Verify that all items are present in your package:



**Figure 1:** All components of the Blackburn Pro Plugger Bike Tire Repair Tool with CO2 Kit, including the plugger tool, mounting bracket, CO2 cartridge, CO2 inflator head, tire plugs, and various mounting accessories.

- Blackburn Pro Plugger Tool (pre-loaded with 10 tire plugs)
- 25g Threaded CO2 Cartridge
- CO2 Inflator Head
- Universal Frame Mounting Bracket
- Presta Valve Core Tool (integrated)
- Mounting Straps/Zip Ties

## 4. SETUP

### 4.1 Mounting the Tool to Your Bike

The universal frame mounting bracket allows for convenient storage of the Pro Plugger and CO2 cartridge on your bicycle frame.



**Figure 2:** Close-up view of the universal frame mounting bracket and rubber O-rings for securing the tool and CO2 cartridge.

1. Identify a suitable location on your bike frame, typically behind a water bottle cage or on an unused bottle cage mount.
2. Secure the mounting bracket to the frame using the provided straps or zip ties. Ensure it is tight and does not interfere with pedaling or other bike components.
3. Insert the Pro Plugger tool into one side of the bracket and the CO2 cartridge into the other.
4. Use the included rubber O-rings or straps to further secure the tool and cartridge within the bracket, preventing rattling or dislodging during rides.



**Figure 3:** The Blackburn Pro Plugger tool and CO2 cartridge securely mounted to a bicycle frame, positioned discreetly behind a water bottle cage.

## 4.2 Loading Tire Plugs (if needed)

The Pro Plugger comes pre-loaded with 10 tire plugs. To reload or replace plugs:

1. Unscrew the cap from the end of the plugger tool.
2. Carefully insert new tire plugs into the storage chamber.
3. Replace the cap securely.

## 5. OPERATING INSTRUCTIONS

### 5.1 Repairing a Tubeless Tire Puncture

1. **Locate the Puncture:** Spin the wheel slowly and look for sealant bubbling or listen for escaping air. Mark the puncture location if necessary.

2. **Prepare the Plugger:** Remove the Pro Plugger tool from its mount. Ensure a plug is ready at the tip.
3. **Insert the Plug:** Firmly push the plugger tool directly into the puncture hole. The plug should be fully inserted into the tire, with only a small portion visible outside.
4. **Remove the Tool:** With a quick, firm pull, withdraw the plugger tool from the tire. The plug should remain in place, sealing the puncture.
5. **Inspect and Inflate:** Check that the plug is sealing the hole. Inflate the tire using the CO2 inflator (see 5.2) or a pump to the desired pressure. Trim any excess plug material if it interferes with riding.



Figure 4: A user demonstrating the insertion of a tire plug into a punctured bicycle tire using the Blackburn Pro Plugger tool.

## 5.2 Using the CO2 Inflator

The CO2 inflator provides rapid tire inflation after a repair or for general top-ups.

1. **Attach Cartridge:** Screw the threaded 25g CO2 cartridge firmly into the CO2 inflator head until it punctures and seals. Do not overtighten.
2. **Attach to Valve:** Press the inflator head firmly onto your tire's Presta valve. Ensure a secure connection to prevent

gas leakage.

3. **Inflate:** Depending on the inflator head design, either press a button, twist a dial, or simply push down to release CO2 into the tire. Inflate to your desired pressure.
4. **Remove:** Once inflated, quickly remove the inflator head from the valve. The CO2 cartridge will be very cold; handle with care.

### 5.3 Using the Integrated Presta Valve Core Tool

The Pro Plugger tool features an integrated Presta valve core remover, useful for adding sealant or replacing valve cores.

1. Locate the threaded end of the Presta valve core tool on the plugger.
2. Unscrew the valve cap from your Presta valve.
3. Thread the valve core tool onto the valve core and turn counter-clockwise to loosen and remove the core.
4. To reinstall, thread the core back into the valve and tighten with the tool. Do not overtighten.

## 6. MAINTENANCE

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- **Cleaning:** Wipe the Pro Plugger tool and CO2 inflator with a damp cloth after use to remove dirt or sealant residue. Ensure the plug storage area is clean before reloading.
- **Plug Storage:** Keep spare tire plugs in a cool, dry place away from direct sunlight to maintain their integrity.
- **CO2 Cartridges:** Store unused CO2 cartridges in a cool, dry place. Do not store punctured cartridges.
- **Inspection:** Periodically inspect the tool for any damage or wear. Replace if necessary.

## 7. TROUBLESHOOTING

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- **Plug Not Sealing:**
  - Ensure the plug is fully inserted into the puncture.
  - The puncture might be too large for a single plug; try inserting a second plug.
  - Ensure sufficient sealant is present in the tire.
- **CO2 Leaking During Inflation:**
  - Ensure the CO2 cartridge is fully and correctly screwed into the inflator head.
  - Ensure the inflator head is pressed firmly and squarely onto the valve stem.
  - Check the valve stem for damage or a loose valve core.
- **Plugger Tool Difficult to Insert:**
  - Ensure the puncture hole is clear of debris.
  - Apply slight rotational pressure while inserting.

## 8. SPECIFICATIONS

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# PRO PLUGGER CO2™



**Figure 5:** Dimensional overview of the Blackburn Pro Plugger CO2 kit, showing its compact size when assembled.

| Feature      | Detail                |
|--------------|-----------------------|
| Brand        | Blackburn             |
| Model        | Pro Plugger w/CO2 Kit |
| Model Number | 7109348               |

|                        |                                                                                    |
|------------------------|------------------------------------------------------------------------------------|
| Material               | Stainless Steel (tool)                                                             |
| Item Weight            | 75 g                                                                               |
| CO2 Cartridge          | 25g Threaded                                                                       |
| Included Components    | Pro Plugger, CO2 Cartridge, CO2 Inflator, Mounting Bracket, Presta Valve Core Tool |
| Maximum Pressure (CO2) | Up to 120 psi (tire dependent)                                                     |

## 9. WARRANTY INFORMATION

The Blackburn Pro Plugger Bike Tire Repair Tool is subject to a limited lifetime warranty for the lifetime of the original purchaser. This warranty does not apply to damage due to heat, physical damage resulting from abuse, neglect, improper repair, improper fit, improper installation, improper care, accidents, failure to follow directions, alterations, misuse, or use unintended by the manufacturer. Nor does it cover minor cosmetic damages due to normal "wear and tear" of the product. For warranty claims or further details, please refer to the official Blackburn website or contact their customer support.

## 10. SUPPORT

For additional assistance, troubleshooting, or product information, please visit the official Blackburn website or contact their customer service department. You can often find FAQs and instructional videos on their support pages.

**Blackburn Website:** [www.blackburndesign.com](http://www.blackburndesign.com)

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