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› Crankbrothers BC18 Bottle Cage Tool Kit User Manual

Crankbrothers K2316776

Crankbrothers BC18 Bottle Cage Tool Kit User Manual

Model: K2316776 | Brand: Crankbrothers

1. INTRODUCTION

The Crankbrothers BC18 Bottle Cage Tool Kit is an integrated on-bike solution designed to provide essential mechanical support for cyclists. This kit combines a robust bottle cage with a comprehensive set of tools, ensuring quick access for trailside repairs and adjustments. It is engineered for seamless integration onto your bicycle frame, offering convenience and peace of mind during your rides.

The design allows for the simultaneous carrying of a standard 20-24 oz cycling water bottle (not included) alongside the integrated tools. The bottle cage can be mounted for either right- or left-handed access, adapting to individual rider preferences.

2. PACKAGE CONTENTS

The BC18 Bottle Cage Tool Kit includes the following components:

- Bottle Cage with integrated tool storage
- Multi-tool with:
 - Hex bits: 2mm, 2.5mm, 3mm, 4mm, 5mm, 6mm, 8mm
 - Torx tools: T10, T25
 - Flat screwdriver
- Tire plug tool
- 4x Tire plugs
- Tire lever
- Chain tool
- Spoke wrenches: sizes 0, 1, 2
- Valve core tool
- CO2 inflator head

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3. SETUP AND INSTALLATION

The BC18 Bottle Cage Tool Kit is designed for quick and secure installation onto your bike frame's standard bottle cage mounting brackets, typically found on the seat tube or down tube.

1. **Identify Mounting Location:** Locate the two threaded inserts on your bike frame, usually on the seat tube or down tube, where a standard bottle cage would be mounted.
2. **Orient the Bottle Cage:** The bottle cage can be reversed to accommodate either right-handed or left-handed bottle access. Determine your preferred orientation before mounting.
3. **Secure the Bottle Cage:** Align the mounting holes on the BC18 bottle cage with the threaded inserts on your frame. Use appropriate bolts (not included, typically M5) to securely fasten the cage to the frame. Ensure the bolts are tightened sufficiently to prevent movement, but do not overtighten.
4. **Insert Tools:** Place the multi-tool, tire plug tool, tire lever, and CO2 inflator head into their designated slots within the bottle cage assembly. The design ensures a snug and secure fit for all components.
5. **Optional: Add Chain Link and CO2 Cartridge:** If desired, a spare chain link can be stored in the magnetized slot, and a 16/20/25g CO2 cartridge or mini-pump can be secured alongside the main assembly (items sold separately).



Figure 3.1: Side view illustrating the attachment points of the BC18 Bottle Cage Tool Kit to a bicycle frame.



Figure 3.2: The BC18 Bottle Cage Tool Kit fully assembled and mounted on a bicycle, demonstrating its compact integration.

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Video 3.1: An overview of the Crankbrothers S.O.S. On-bike tools BC18 Bottle Cage Tool Kit, demonstrating its components and how they fit together within the system.

4. OPERATING INSTRUCTIONS

The BC18 Tool Kit provides a range of tools for common bicycle maintenance and repair tasks. To use a tool, simply remove it from its designated slot in the bottle cage assembly.

4.1 Multi-tool Usage

The multi-tool features various hex bits, Torx tools, and a flat screwdriver. To access a specific tool, unfold it from the multi-tool body. Ensure the desired tool is fully extended and locked into place before applying force.

- **Hex Bits (2, 2.5, 3, 4, 5, 6, 8mm):** Used for adjusting bolts on stems, seatposts, handlebars, and other components.
- **Torx Tools (T10, T25):** Used for specific Torx head bolts, commonly found on disc brake rotors or certain

component mounts.

- **Flat Screwdriver:** For general purpose flat-head screws.

4.2 Tire Repair Tools

- **Tire Lever:** Used to safely remove and re-install bicycle tires from the rim. Insert the curved end under the tire bead and lever it over the rim.
- **Tire Plug Tool & Plugs:** For repairing tubeless tire punctures. Insert a plug into the tool, push it into the puncture, and then remove the tool, leaving the plug in place.
- **CO2 Inflator Head:** Attach a CO2 cartridge (sold separately) to the head and connect it to your tire's valve stem for rapid inflation. Follow the CO2 cartridge manufacturer's instructions for safe use.

4.3 Chain and Spoke Tools

- **Chain Tool:** Used to remove or install chain pins for chain repair or replacement. Carefully align the chain pin with the tool's pusher and turn the handle to push the pin.
- **Spoke Wrenches (0, 1, 2):** For adjusting spoke tension to true a wheel. Select the correct size for your spoke nipples and turn carefully to tighten or loosen.
- **Valve Core Tool:** For removing or tightening Presta or Schrader valve cores.

5. MAINTENANCE

Proper maintenance will ensure the longevity and optimal performance of your Crankbrothers BC18 Bottle Cage Tool Kit.

- **Cleaning:** After use, especially in wet or dirty conditions, wipe down all tools and the bottle cage with a clean, damp cloth. Dry thoroughly to prevent corrosion.
- **Lubrication:** Periodically apply a light coat of rust-preventative oil to the metal parts of the multi-tool and chain tool, particularly if exposed to moisture.
- **Storage:** Always return tools to their designated slots within the bottle cage to prevent loss and keep them protected. Store the kit in a dry environment when not in use.
- **Inspection:** Regularly inspect all components for signs of wear, damage, or corrosion. Replace any damaged parts immediately to ensure safe and effective operation.

6. TROUBLESHOOTING

Most issues with the BC18 Tool Kit can be resolved by ensuring proper usage and maintenance. If you encounter difficulties:

- **Tools difficult to remove/insert:** Ensure tools are aligned correctly with their slots. Clean any dirt or debris that might be obstructing the fit.
- **Tools feel loose:** Check if the multi-tool's pivot bolts are tight. If not, they may require adjustment by a qualified bicycle mechanic.
- **Corrosion:** If rust appears despite the rust-resistant coating, clean the affected area with a fine abrasive pad and apply a rust-inhibiting lubricant. Ensure tools are always dried after exposure to moisture.

For issues not covered here, please refer to the support section or contact Crankbrothers customer service.

7. SPECIFICATIONS

Model Number	K2316776
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Brand	Crankbrothers
Color	Black
Materials	Nylon, Stainless Steel, Aluminum
Item Dimensions (L x W x H)	2.36 x 1.57 x 1.18 inches (60 x 40 x 30 mm)
Item Weight	247 Grams (8.7 ounces)
Number of Pieces	1 (Kit)
Included Components	Multitool, Tire Plug Tool, Tire Lever, 4 Tire Plugs

8. WARRANTY AND SUPPORT

8.1 Warranty Information

All Crankbrothers S.O.S. tools, including the BC18 Bottle Cage Tool Kit, are backed by a **5-year warranty**. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

8.2 Customer Support

For technical assistance, warranty claims, or general inquiries, please visit the official Crankbrothers website or contact their customer support department. Detailed contact information can typically be found on the Crankbrothers website's support section.

Online Resources: For additional information, product registration, and FAQs, please visit www.crankbrothers.com