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› Crankbrothers Hand Pump Midnight One Size User Manual

Crankbrothers 47034

Crankbrothers Hand Pump Instruction Manual

Model: Sterling Hand Pump

1. INTRODUCTION

The Crankbrothers Sterling Hand Pump is engineered for efficient and reliable tire inflation. Featuring a premium alloy and composite construction, it offers both low weight and high strength. This pump is equipped with an auto-adjusting smart head compatible with both Presta and Schrader valves, and a patented high volume/high pressure air switch for versatile inflation. It is designed for convenient on-bike storage with an included bottle cage bracket mount.

2. SAFETY INFORMATION

- Always ensure the pump head is securely attached to the valve before inflating to prevent accidental detachment and potential injury.
- Do not exceed the maximum recommended tire pressure for your bicycle tires. Refer to your tire's sidewall for pressure limits.
- Keep hands and fingers clear of moving parts during operation.
- Store the pump in a dry, cool place away from direct sunlight and extreme temperatures.
- This product is not a toy. Keep out of reach of children.

3. PRODUCT OVERVIEW

The Crankbrothers Sterling Hand Pump is a compact and robust tool for on-the-go tire maintenance. Its design integrates key features for ease of use and durability.



Figure 3.1: Front view of the Crankbrothers Sterling Hand Pump, showcasing its sleek design and textured grip.



Figure 3.2: Top view of the Crankbrothers Sterling Hand Pump, highlighting the auto-adjusting smart head for valve compatibility.

4. SETUP

The Sterling Hand Pump comes ready for use. For convenient transport, it includes a bottle cage bracket mount.

4.1 Attaching the Bottle Cage Bracket Mount

1. Locate the bottle cage mounting points on your bicycle frame.
2. Align the pump bracket with these points.
3. Use appropriate screws (not included, typically come with bike frame) to secure the bracket firmly to the frame.
4. Slide the pump into the bracket until it clicks securely into place. Ensure it is held firmly and does not rattle during rides.

5. OPERATING INSTRUCTIONS

The Sterling Hand Pump is designed for easy and efficient tire inflation.

5.1 Attaching to Valve

1. Identify your tire's valve type (Presta or Schrader). The pump's smart head automatically adjusts.
2. For Presta valves, unscrew the valve cap and then unscrew the small nut at the top of the valve stem. Press down briefly on the valve stem to release any trapped air.
3. Firmly push the pump head straight onto the valve stem until it is fully seated.
4. Flip the lever on the pump head to the locked position to secure it to the valve.

5.2 Inflation

The Sterling pump features a patented high volume/high pressure air switch for optimized inflation:

- **High Volume Mode:** Use this mode for quick inflation when the tire pressure is under 40 psi. This mode moves more air per stroke.
- **High Pressure Mode:** Rotate the switch to this mode for easier pumping up to 100 psi. This mode requires less

effort per stroke for higher pressures.

1. Select the appropriate mode (High Volume for initial inflation, High Pressure for topping off).
2. Begin pumping by pushing and pulling the pump handle smoothly.
3. Continue pumping until the desired tire pressure is reached.
4. Once inflated, flip the lever on the pump head to the unlocked position.
5. Carefully remove the pump head from the valve.
6. For Presta valves, screw the small nut back down and replace the valve cap.

6. MAINTENANCE

- Regularly wipe down the pump body with a clean, damp cloth to remove dirt and grime.
- Inspect the pump head and seals periodically for wear or damage. Replace if necessary.
- Avoid using harsh chemicals or abrasive cleaners, as these can damage the pump's finish or internal components.
- Lubricate the pump shaft lightly with silicone grease if pumping action becomes stiff.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Air leaks from valve connection	Pump head not fully seated or lever not locked. Worn valve seal.	Ensure pump head is pushed firmly onto valve and lever is fully engaged. Check and replace valve seal if worn.
Difficulty pumping / high resistance	Tire pressure is already high. Pump is in High Volume mode at high pressure. Internal friction.	Switch to High Pressure mode for easier pumping at higher PSI. Lubricate pump shaft if needed.
Pump not inflating tire	Valve core loose (Presta). Pump head not properly attached.	Tighten Presta valve core. Re-attach pump head securely.

8. SPECIFICATIONS

Feature	Detail
Model Name	Hand Pump (Sterling Hand Pump)
Color	Midnight
Size	One Size
Material	Blend (Alloy/Composite)
Item Weight	116 Grams

Feature	Detail
Product Dimensions	8"L x 8"W x 8"H
Power Source	Manual
Maximum Pressure	100 Pound per Square Inch
Operation Mode	Manual
Included Components	Bike Pump

9. WARRANTY AND SUPPORT

The Crankbrothers Sterling Hand Pump is backed by a **5 Year Manufacturer Warranty**, covering defects in materials and workmanship under normal use.

For warranty claims, technical support, or any product-related inquiries, please visit the official Crankbrothers website or contact their customer service department. Retain your proof of purchase for warranty validation.

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