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Birzman Scope Apogee

Birzman Scope Apogee Pump Instruction Manual

1. INTRODUCTION

Thank you for choosing the Birzman Scope Apogee Pump. This manual provides essential information for the safe and efficient use of your new bicycle pump. The Scope Apogee is a lightweight, durable, and efficient pump designed for on-the-go tire inflation, featuring an aluminum construction and a capacity of up to 120 psi (8.3 bar).



Image 1.1: The Birzman Scope Apogee Pump. This image shows the pump's compact design, silver finish, and the flexible hose with its valve connection head.

2. SETUP AND FIRST USE

2.1 Unpacking

Carefully remove the pump from its packaging. Inspect the pump for any visible damage. Ensure all components, including the pump body, flexible hose, and valve head, are present and intact.

2.2 Valve Compatibility

The Birzman Scope Apogee pump is designed to be compatible with both Presta and Schrader valves. The valve head typically auto-adjusts or requires a simple internal component flip. Refer to the markings on the valve head for specific instructions if needed.

- **Presta Valve:** Often found on road bikes and higher-end mountain bikes. It is thinner and has a small nut at the top that needs to be unscrewed before inflation.

- **Schrader Valve:** Common on mountain bikes, hybrid bikes, and car tires. It is wider and has a pin in the center.

3. OPERATING INSTRUCTIONS

3.1 Preparing the Tire Valve

- **For Presta Valves:** Unscrew the small nut at the top of the valve stem counter-clockwise until it is loose. Press down briefly on the valve stem to release a small amount of air, ensuring it is not stuck.
- **For Schrader Valves:** No special preparation is usually needed, but ensure the valve cap is removed.

3.2 Connecting the Pump

1. Extend the flexible hose from the pump body.
2. Firmly push the pump's valve head onto the tire valve. Ensure a tight seal to prevent air leakage. For some valve heads, a lever may need to be flipped to lock it in place.

3.3 Inflating the Tire

1. Hold the pump body firmly with one hand and the handle with the other.
2. Push and pull the handle smoothly and consistently to pump air into the tire.
3. Continue pumping until the desired tire pressure is reached. Refer to your tire's sidewall for recommended pressure (PSI or Bar). The Scope Apogee pump does not feature an integrated pressure gauge, so an external gauge is recommended for precise inflation.

3.4 Disconnecting the Pump

1. Once the desired pressure is achieved, quickly and firmly pull the valve head straight off the tire valve. If your valve head has a lever, flip it to the unlocked position before removing.
2. **For Presta Valves:** Screw the small nut back down clockwise until it is finger-tight to seal the valve.
3. Replace the valve cap (if applicable).
4. Retract the flexible hose back into the pump body for compact storage.

4. MAINTENANCE

- **Cleaning:** Wipe the pump body with a damp cloth after use, especially if it has been exposed to dirt or moisture. Avoid using harsh chemicals.
- **Storage:** Store the pump in a dry, cool place away from direct sunlight and extreme temperatures. Ensure the flexible hose is properly retracted to prevent damage.
- **Seals and O-rings:** Periodically inspect the rubber seals and O-rings within the valve head and pump piston for wear or damage. Worn seals can lead to air leakage and reduced pumping efficiency. Replacement parts may be available from the manufacturer.

5. TROUBLESHOOTING

Problem	Possible Cause	Solution
Air leaks when connecting to valve.	Improper connection, worn valve head seal, or valve stem issue.	Ensure the valve head is pushed firmly and squarely onto the valve. Check the rubber seal inside the valve head for damage. For Presta valves, ensure the nut is unscrewed sufficiently.

Problem	Possible Cause	Solution
Difficulty pumping or no air enters tire.	Valve head not properly engaged, pump piston seal worn, or valve stem stuck.	Re-attach the valve head securely. Inspect the pump's internal piston seal for wear. For Presta valves, ensure the valve stem was briefly depressed to unstick it.
Pump feels loose or makes unusual noises.	Loose components or internal damage.	Cease use and inspect the pump for any loose parts. If damage is suspected, contact customer support.

6. SPECIFICATIONS

Feature	Detail
Model Name	Scope Apogee
Brand	Birzman
Maximum Pressure	120 PSI / 8.3 Bar
Material	Aluminum, Plastic
Operation Mode	Manual
Power Source	Handheld
Item Dimensions (LxWxH)	8.66 x 1.65 x 1.02 inches (22 x 4.2 x 2.6 cm)
Item Weight	Approximately 0.15 Kilograms
Included Components	Pump
Country of Origin	Taiwan

7. WARRANTY AND SUPPORT

7.1 Warranty Information

The Birzman Scope Apogee Pump is covered by the original manufacturer's warranty. Please refer to the warranty documentation included with your purchase or visit the official Birzman website for detailed terms and conditions. Keep your proof of purchase for warranty claims.

7.2 Customer Support

For technical assistance, replacement parts, or any questions regarding your Birzman Scope Apogee Pump, please contact Birzman customer support through their official website or the retailer where the product was purchased.



