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BELL Zephyr 100

Bell Zephyr 100 Bicycle Frame Pump Instruction Manual

Model: Zephyr 100 | Brand: BELL

INTRODUCTION

The Bell Zephyr 100 frame pump is designed to provide a quick and easy solution for inflating bicycle tires or addressing flat tires while on the road or trail. Its compact size and lightweight construction allow for convenient mounting to your bike frame or storage in a backpack. This pump features a pivoting T-handle for a secure grip and a reversible pump head compatible with both Presta and Schrader valves. The included mounting bracket ensures easy storage on your bicycle frame. The Zephyr 100 is capable of inflating bike tires up to 120 PSI and has a barrel volume of 60 cm³.

Key Features:

- Compact and lightweight high-volume frame pump
- Wide barrel design for efficient inflation
- Reversible pump head fits both Presta and Schrader valves
- Folding T-handle for comfortable and secure grip
- Includes mounting bracket for frame attachment

SETUP

1. Mounting the Pump to Your Bike Frame

The Bell Zephyr 100 includes a mounting bracket for convenient attachment to your bicycle frame. This bracket typically attaches to the water bottle cage bosses on your frame.





Pump is pre-set for Schrader valves. With lever in up position, press pump head onto valve at 90° angle. Push lever down to lock before pumping. Pull handle to open position and begin inflation. Pull lever up to release.

El inflador está preajustado para válvulas Schrader. Con la palanca en la posición hacia arriba, presione el cabezal del inflador para insertarlo en la válvula a un ángulo de 90°. Empuje la palanca hacia abajo para trabar antes de inflar. Tire de la manija hasta la posición de apertura y empiece a inflar. Tire de la palanca hacia arriba para soltar.



La pompe est préconçue pour les valves Schrader. Avec le levier en position haute, appuyez la tête de la pompe sur la valve selon un angle de 90°. Poussez le levier vers le bas pour le verrouiller avant de pomper. Tirez le poignée en position ouverte et commencez le gonflage. Tirez le levier vers le haut pour le libérer.



EL INTERIOR ADAPTATEUR À L'INTÉRIEUR

To inflate Presta valve tubes, turn cap counter clockwise to remove. Pull out and reverse the two-piece adaptor so that the smaller hole is facing out. Reattach pump head cap, screwing clockwise. With Presta valve on tube opened and lever in up position, press pump head onto valve at 90° angle. Push lever down to lock before pumping. Pull lever up to release.

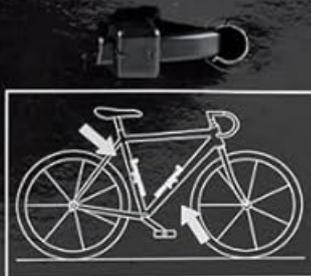
Para inflar cámaras con válvula Presta gire la tapa en sentido antihorario para quitarla. Extraiga e invierta el adaptador de dos piezas, de modo que el orificio más pequeño quede hacia afuera. Vuelva a colocar la tapa del cabezal del inflador y enrósquela en sentido horario. Con la válvula Presta en la cámara abierta y la palanca en la posición superior, presione el cabezal del inflador para insertarlo en la válvula a un ángulo de 90°. Empuje la palanca hacia abajo para trabar antes de inflar. Tire de la palanca hacia arriba para soltar.

Pour gonfler les tubes à valve Presta, tournez le bouchon dans le sens inverse des aiguilles d'une montre pour le retirer. Retirez et inversez l'adaptateur en deux parties de façon à ce que le plus petit trou soit tourné vers l'extérieur. Remettez le bouchon de la tête de pompe en le vissant dans le sens des aiguilles d'une montre. Avec la valve Presta du tube ouverte et le levier en position haute, appuyez la tête de pompe sur la valve à un angle de 90°. Poussez le levier vers le bas pour le verrouiller avant de pomper. Tirez le levier vers le haut pour le libérer.



Hexagon tool required
Outil hexagonal requis
Se requiere herramienta hexagonal

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CAUTION: DO NOT OVER INFLATE! ALWAYS FOLLOW RECOMMENDED AIR PRESSURE AS INDICATED ON TIRE SIDEWALL OR ITEM YOU ARE INFLATING. WARNING: BEFORE EVERY RIDE, MAKE SURE BRACKET AND PUMP ARE SECURE AND DO NOT INTERFERE WITH SAFE OPERATION OF BICYCLE (BRAKING, STEERING, PEDALING, ETC.). PERIODICALLY CHECK AIR PRESSURE TO AVOID DAMAGE.



PRECAUCIÓN: ¡NO INFLE LA RUEDA EN EXCESO! RESPETE SIEMPRE LA PRESIÓN DE AIRE RECOMENDADA QUE SE INDICA EN EL FLANCO DEL NEUMÁTICO O EN EL ARTÍCULO QUE ESTÉ INFLANDO. ADVERTENCIA: ANTES DE CADA PASEO, ASEGÚRESE DE QUE EL SOPORTE Y EL INFLADOR ESTÉN BIEN FIJADOS Y QUE NO INTERFIERAN CON EL FUNCIONAMIENTO SEGURO DE LA BICICLETA (FRENAO, DIRECCIÓN, PEDALEO, ETC.). CONTROLE PERIÓDICAMENTE LA PRESIÓN DE AIRE PARA EVITAR DAÑOS.



ATTENTION : ÉVITEZ LE SURGONFLAGE ! SUIVEZ TOUJOURS LA PRESSION D'AIR RECOMMANDÉE SUR LE FLANC DU PNEU OU SUR L'OBJET QUE VOUS GONFLEZ. AVERTISSEMENT : AVANT DE PARTIR À VÉLO, ASSUREZ-VOUS QUE LA POMPE ET SON SUPPORT SONT BIEN ATTACHÉS ET QU'ILS N'ENTRAVENT PAS LA SÉCURITÉ DU VÉLO LORS DE SON UTILISATION (FREINAGE, DIRECTION, PÉDALAGE, ETC.) VÉRIFIEZ RÉGULIÈREMENT LA PRESSION D'AIR POUR ÉVITER TOUT DOMMAGE.

715889 ZEPHYR 100 FRAME PUMP 3L



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1001 INNOVATION ROAD / RANTOUL, IL 61866 USA
MADE IN TAIWAN

FOR WARRANTY DETAILS: WWW.THEBELLGARAGE.COM

INCLUDES: ONE (1) PUMP, MOUNTING BRACKET
INCLUYE: UN (1) INFLADOR, SOPORTE DE MONTAJE
INCLUT : UNE (1) POMPE, LE SUPPORT DE MONTAGE



Image: Back of product packaging illustrating the mounting bracket and valve adaptation instructions.

1. Identify the water bottle cage bosses on your bike frame.
2. Align the mounting bracket with these bosses.
3. Use the provided screws (or existing water bottle cage screws) to secure the bracket firmly to the frame.
4. Once the bracket is installed, snap the Zephyr 100 pump into the bracket for secure storage.

2. Configuring the Pump Head for Valve Type

The Zephyr 100 pump head is reversible to accommodate both Presta and Schrader valves. Refer to the instructions on the product packaging for visual guidance.

For Schrader Valves:

- Ensure the lever on the pump head is in the **up** position.
- Push the pump head onto the Schrader valve stem until it is fully seated.
- Pull the lever down to lock the pump head onto the valve.

For Presta Valves:

- Unscrew the small nut on the Presta valve stem.
- To adapt the pump head for Presta, unscrew the cap on the pump head.
- Remove the internal adapter and reverse its orientation.
- Reinsert the adapter and screw the cap back onto the pump head.
- Push the pump head onto the Presta valve stem until it is fully seated.
- Pull the lever down to lock the pump head onto the valve.

OPERATING INSTRUCTIONS

1. Preparing for Inflation

1. Remove the pump from its mounting bracket.
2. Unfold the T-handle by pivoting it into the operating position for a comfortable grip.
3. Ensure the pump head is correctly configured for your tire's valve type (Schrader or Presta) as described in the Setup section.
4. If using a Presta valve, unscrew the small nut on the valve stem to open it.

2. Inflating Your Tire

1. Firmly push the pump head onto the tire valve stem.
2. Pull the locking lever down to secure the pump head to the valve. Ensure a tight seal to prevent air leakage.
3. With a firm grip on the T-handle, begin pumping by pushing and pulling the pump shaft smoothly.
4. Continue pumping until the desired tire pressure is reached. The Bell Zephyr 100 can inflate tires up to 120 PSI. **Always check your tire's sidewall for the recommended pressure range. Do not overinflate.**
5. Once the desired pressure is achieved, push the locking lever up to release the pump head from the valve.
6. Carefully remove the pump head from the valve stem.
7. If using a Presta valve, screw the small nut back down to seal the valve.
8. Fold the T-handle back into its storage position and reattach the pump to its frame bracket.



BELL

ZEPHYR™ 100

High Volume Frame Pump
Inflador para cuadro de gran volumen
Pompe de cadre à haut volume



FOLDING
HANDLE



FOLDING
ERGONOMIC HANDLE





Image: The Bell Zephyr 100 Bicycle Frame Pump, showing its compact design.

MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Bell Zephyr 100 pump.

- **Cleaning:** Wipe down the pump exterior with a damp cloth to remove dirt and grime. Avoid using harsh chemicals or abrasive cleaners.
- **Storage:** Store the pump in a dry environment when not in use. If mounted on your bike, ensure it is protected from prolonged exposure to extreme weather conditions.
- **Check Seals:** Periodically inspect the rubber seals within the pump head for any signs of wear or cracking. Worn seals can lead to air leakage and reduced pumping efficiency. Replace if necessary.
- **Lubrication:** If the pumping action feels stiff, a small amount of silicone-based lubricant can be applied to the pump shaft. Do not use petroleum-based lubricants as they can degrade rubber seals.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Pump not inflating tire / Air leaking from valve connection	<ul style="list-style-type: none"> • Pump head not fully seated on valve. • Locking lever not engaged. • Incorrect pump head configuration for valve type. • Worn or damaged rubber seal in pump head. • Presta valve nut not unscrewed (if applicable). 	<ul style="list-style-type: none"> • Push pump head firmly onto valve stem. • Ensure locking lever is fully pulled down. • Verify pump head is correctly adapted for Schrader or Presta valve. • Inspect and replace pump head seals if damaged. • Unscrew the small nut on the Presta valve stem before pumping.
Pump feels stiff or difficult to operate	<ul style="list-style-type: none"> • Lack of lubrication on pump shaft. • Dirt or debris inside the pump barrel. 	<ul style="list-style-type: none"> • Apply a small amount of silicone-based lubricant to the pump shaft. • Disassemble (if possible and instructed by manufacturer) and clean the barrel.

SPECIFICATIONS

Model Name	Bell Zephyr 100 Bicycle Frame Pump
Brand	BELL
Color	Red

Material	Polypropylene
Power Source	Manual
Operation Mode	Manual
Maximum Pressure	120 PSI (Pound per Square Inch)
Air Flow Capacity	60 cm ³ (Cubic Centimeters Per Stroke)
Valve Compatibility	Presta and Schrader (reversible head)
Included Components	Pump, Mounting Bracket
Item Package Dimensions	12.17 x 4.45 x 1.77 inches
Package Weight	0.18 Kilograms

WARRANTY INFORMATION

The Bell Zephyr 100 Bicycle Frame Pump comes with a **One Year Limited Warranty**. This warranty covers manufacturing defects and workmanship under normal use. For specific terms and conditions, please refer to the warranty documentation included with your product or visit the manufacturer's website.

SUPPORT

For further assistance, technical support, or warranty claims regarding your Bell Zephyr 100 Bicycle Frame Pump, please contact Bell Sports customer service. You may also find additional resources and FAQs on the official Bell Sports website.

Official Website: www.thebellgarage.com

When contacting support, please have your product model name (Zephyr 100) and any relevant purchase information ready.