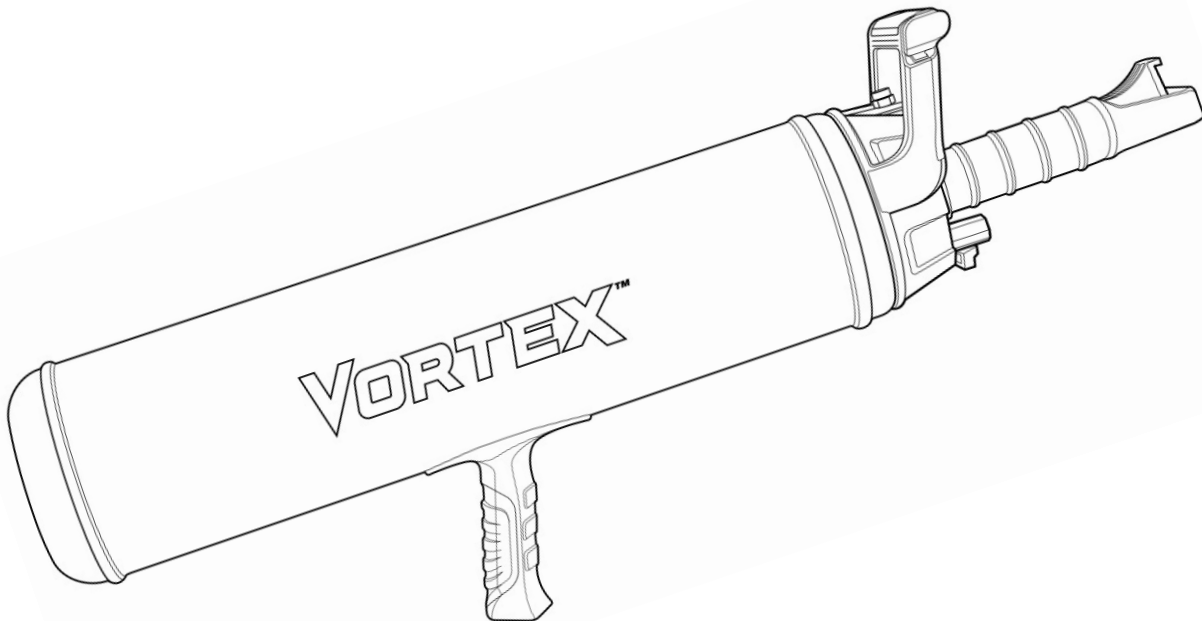


Vortex Portable Bead Seater User Guide

User Guide P/N 5900766 — Revision A1 — July 2026

Models:

- RB6L
- RB10L
- RB12L



DANGER

Read the *entire contents* of this user guide *before* using this product. Failure to follow the instructions and safety precautions in this user guide can result in serious injury or death. Make sure all other operators also read this user guide. Keep this user guide near the product for future reference. ***By proceeding with setup and operation, you agree that you fully understand the contents of this user guide and assume full responsibility for product use.***

User Guide. *Vortex Portable Bead Seater, User Guide, P/N 5900766, Revision A1, released July 2026.*

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Limitations. Every effort has been made to ensure that complete and accurate instructions are included in this user guide. However, product updates, revisions, and/or changes may have occurred since this user guide was published. BendPak reserves the right to change any information in this user guide without incurring any obligation for equipment previously or subsequently sold. All drawings are for reference only; do not scale. BendPak is not responsible for typographical errors in this user guide.

Warranty. The BendPak warranty is a commitment to the quality and value of this product. Contact the nearest BendPak dealer or visit www.bendpak.com/support/warranty for full warranty details.

Safety. The Vortex Portable Bead Seater was designed and manufactured with safety in mind. Installer and operator safety depends on proper training and thoughtful operation. Do not set up, operate, maintain, or repair the product without reading and understanding this user guide and the labels on the unit.

Owner Responsibility. To properly maintain the Vortex Portable Bead Seater and ensure the operator's safety, it is the responsibility of the product owner to read and follow the following:

- Follow all installation, operation, and maintenance instructions.
- Make sure the installation conforms to all applicable local, state, and federal codes, rules, and regulations, such as state and federal OSHA regulations and electrical codes.
- Read and follow all safety instructions. Keep them readily available for installers and operators.
- Make sure all operators are properly trained on the safe operation of the unit and are properly supervised.
- Do not operate the product until it is confirmed that all parts are securely in place and operating correctly.
- Carefully inspect the product on a regular basis and perform all repairs and maintenance as required.
- Service and maintain the unit using only approved replacement parts.
- Keep this user guide with the product and make sure all labels are clean and visible.

BendPak makes no promises, guarantees or assurances that our products meet any state, county, federal or international mandated permits, licenses, codes, standards, certifications, or any other mandates other than what is listed or shown on the BendPak website(s), or any BendPak or Ranger online or published catalog. For any questions, contact BendPak via sales@bendpak.com.

Buyer assumes full responsibility for any state, county, federal or international mandated permits, licenses, codes, standards, certifications, or any other mandates required related to the installation and/or operation of any BendPak product. BendPak will not be responsible for any charges, fines, liens, or other levies imposed on the Buyer related to any special or regional structural, seismic or any other building code and/or codes such as the Uniform Building Code (UBC), International Building Code (IBC), or any other state, county, federal or international mandated permit, license, code, standard, certification, or other mandate, law, rule, regulation or directive by any other agency, government, administrations, or corporations whether state, county, federal, or international mandated.

Only use this product if it can be used safely!

Introduction

This user guide describes the assembly and operation of the Vortex RB6L-RB10L-RB12L Portable Bead Seaters. The Vortex Portable Bead Seater is a specialized pneumatic tool that releases a massive, instantaneous burst of compressed air to force a tubeless tire's bead into the wheel rim. The following models are covered in this User Guide:

- **RB6L:** A 6-liter tire bead seater tool for use on tires up to 17 in. (sedans, motorcycles, ATVs).
- **RB10L:** A 10-liter tire bead seater tool. For use on tires up to 20 in. (SUVs and light pickups).
- **RB12L:** A 12-liter tire bead seater tool. For use on tires up to 24 in. (full-size and heavy-duty pickups).

More information about the full line of BendPak products is available by visiting bendpak.com.

This user guide is mandatory reading for all Vortex Portable Bead Seater users.

 **DANGER** Be very careful when setting up, operating, maintaining, or repairing this equipment; failure to do so could result in property damage, product damage, injury, or (in very rare cases) death. Make sure only authorized personnel operate this equipment. All repairs must be performed by an authorized technician. Make sure to read and follow the instructions on the labels on the unit.

Keep this user guide near the equipment all times. Technical support is available by calling BendPak support **(800) 253-2363**. Follow the prompts to reach support.

Shipping Information

This equipment was carefully checked before shipping. Nevertheless, the shipment should be thoroughly inspected **before** signing to acknowledge that it has been received.

Signing the bill of lading tells the carrier that the items on the invoice were received in good condition. ***Do not sign the bill of lading until after the shipment has been inspected.*** If any of the items listed on the bill of lading are missing or damaged, do not accept the shipment until the carrier makes a notation (on the bill of lading) that lists the missing or damaged items.

If missing or damaged goods are discovered **after** receiving the shipment and the bill of lading has been signed, notify the carrier at once and request that the carrier perform an inspection. If the carrier will not perform an inspection, prepare a signed statement to the effect that the carrier has been notified (on a specific date), and that the carrier has failed to comply with the request.

It is difficult to collect for loss or damage after giving the carrier a signed bill of lading. If this happens, file a claim with the carrier promptly. Support the claim with copies of the bill of lading, freight bill, invoice, and photographs, if available. Our willingness to assist in helping to process the claim does not make us responsible for the collection of claims or replacement of lost or damaged materials.

Liability Information

BendPak Ranger assumes **NO** liability for damages resulting from:

- Use of the equipment for purposes other than those described in this user guide.
- Modifications to the equipment without prior written permission from BendPak.
- Injury or death caused by modifying, disabling, overriding, or removing safety features.
- Damage to the equipment from external influences.
- Incorrect operation of the equipment.

Safety Considerations - Read before Operation

Read this entire user guide carefully before using the Vortex Portable Bead Seater. Do not operate the product until all operating instructions, dangers and warnings are clearly understood. Do not allow anyone else to operate the product until they are also familiar with all operating instructions, dangers and warnings.

 **WARNING California Proposition 65.** This product can expose installers and operators to chemicals, including styrene and vinyl chloride, which are on the list of over 900 chemicals identified by the State of California to cause cancer, birth defects or reproductive harm. Always use this product in accordance with BendPak's instructions. For more information, visit www.p65warnings.ca.gov.

Symbols

Following are the symbols used in this user guide:

-  **DANGER** Calls attention to a hazard that **will** result in death or injury.
-  **WARNING** Calls attention to a hazard or unsafe practice that **could** result in death or injury.
-  **CAUTION** Calls attention to a hazard or unsafe practice that **could** result in personal injury, product damage, or property damage.

General Safety Information

Please note the following:

- **Use the Vortex Portable Bead Seater only for its intended purpose** as described in this user guide. This product is designed exclusively for seating tire beads on pneumatic tires. Any use other than its intended purpose, including modification of the air discharge system or use to propel objects, is strictly prohibited.
- **This product is NOT a toy. Use caution and common sense at all times.**
- Use only factory-approved replacement parts.
- The Vortex Portable Bead Seater should only be operated by authorized and capable personnel. Keep children and untrained personnel away from the product.
- Wear appropriate work clothes, gloves, ear protection and ANSI-approved safety goggles.
- **Do not make any modifications to the product, as this voids the warranty.**
- Make sure all operators read and understand this *user guide*. Keep it near the device at all times.
- Make a visual inspection of the product before each use. Do not use the product if any missing or damaged parts are found. Instead, take it out of service and contact an authorized repair facility, the distributor, or BendPak Support at **(800) 253-2363** follow the prompts to reach support.
- **Do not** store the Vortex Portable Bead Seater with air pressure in the Air Tank. Always evacuate any air within the Air Tank before storing, or when the unit is not in use.

 **DANGER MISUSE HAZARD.** This bead seater is designed exclusively for tire bead seating operations. Never modify or attach accessories that alter the function of the nozzle or air discharge system. Do not insert, load, launch, propel, or discharge any object through the nozzle. Never use this equipment as a weapon or for any unintended purpose. Failure to follow these instructions can result in severe personal injury, death, property damage, and loss of warranty coverage.

Note: Dangers, Warnings, Cautions, and instructions within this user guide cannot cover all possible situations. The operator must always use common sense when using this product.

- ⚠ DANGER** **NEVER** exceed 145 psi (1 MPa) input air pressure, as overfilling may result in death or serious injury.
- ⚠ DANGER** **NEVER** aim the nozzle at yourself or others. Keep all body parts clear during operation. Failure to follow instructions may result in serious injury or death.
- ⚠ DANGER** **Extreme Air Discharge Hazard.** This device releases a high-pressure air blast with explosive force. Operate with extreme caution.
- ⚠ DANGER** **NEVER** tamper with or disable the Pressure Relief Valve.
- ⚠ DANGER** Failure of compromised components can result in sudden discharge, explosion, or projectile hazards.
- ⚠ DANGER** **Ensure that all air is evacuated from the Air Tank when not in use.** Always store empty with the nozzle pointed down.
- ⚠ WARNING** Always wear proper protective equipment: face mask, hearing protection and gloves. Keep face, hands and body clear of the nozzle during operation, as debris, dust, and components may be violently propelled.
- ⚠ WARNING** Ensure that the work area is clear of people, loose objects and debris before triggering the Vortex Portable Bead Seater.
- ⚠ WARNING** Do not operate the Vortex Portable Bead Seater when tired or under the influence of drugs, alcohol or medications.
- ⚠ WARNING** Do not drop or impact. Do not modify or tamper with the device.
- ⚠ WARNING** Do not use near open flames, sparks, or ignition sources.
- ⚠ WARNING** Ensure tire and wheel are properly matched and in good condition before use. Use only on appropriate tire sizes and types.
- ⚠ WARNING** Never make alterations to this tool.
- ⚠ WARNING** Inspect for damage, wear and leaks before every use. Immediately stop using the product if it appears worn, leaking air, or damaged in any way.
- ⚠ WARNING** Never carry by the Air Nozzle
- ⚠ CAUTION** Always clean the work area before using the Vortex Portable Bead Seater. Keep the area clear of clutter and debris.

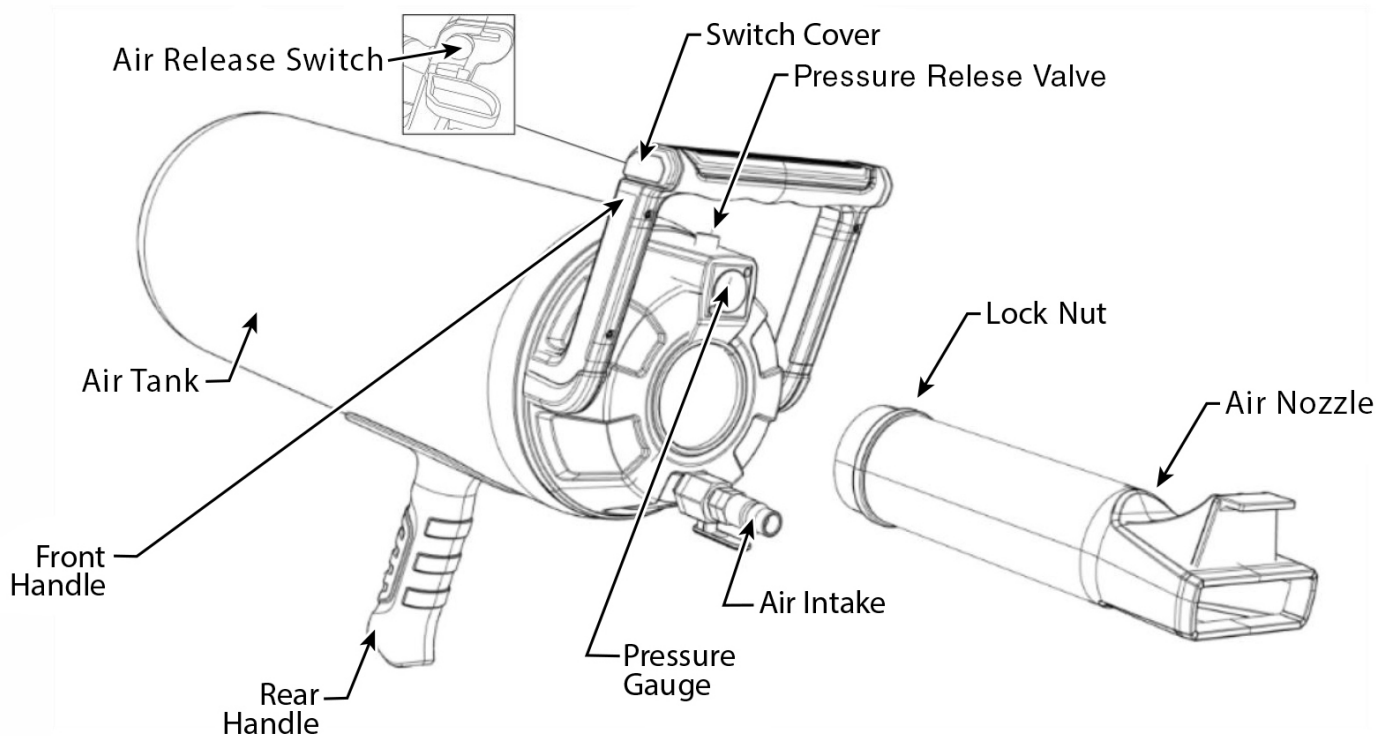


Specifications

Specifications subject to change without notice. Unless otherwise noted, all dimensions rounded to the nearest 1/4 in.(6.35 mm)

Specification	RB6L	RB10L	RB12L
Tank Capacity	1.6 gal (6L)	2.6 gal (10L)	3.17 gal (12L)
Normal Working Pressure	87-116 psi	87-116 psi	87-116 psi
Dimensions	21 x 8.7 x 11 in. (53 x 22 x 28 cm)	26 x 8.7 x 11 in. (66 x 22 x 28 cm)	28.7 x 8.7 x 11 in. (73 x 22 x 28 cm)
Weight	8.4 lbs. (3.8 kg)	9.5 lbs.(4.3 kg)	10.6 lbs. (4.8 kg)
Max Working Pressure	145 PSI (10 bar)		
Air Release Method	Automatic Rapid Air Release		
Outlet	Tapered Exhaust Tip		
Exhaust Valve	1.75 in. (44 mm) High-Flow Exhaust		
Tank Construction	Aluminum Alloy		
Trigger Mechanism	Push-button		

Components



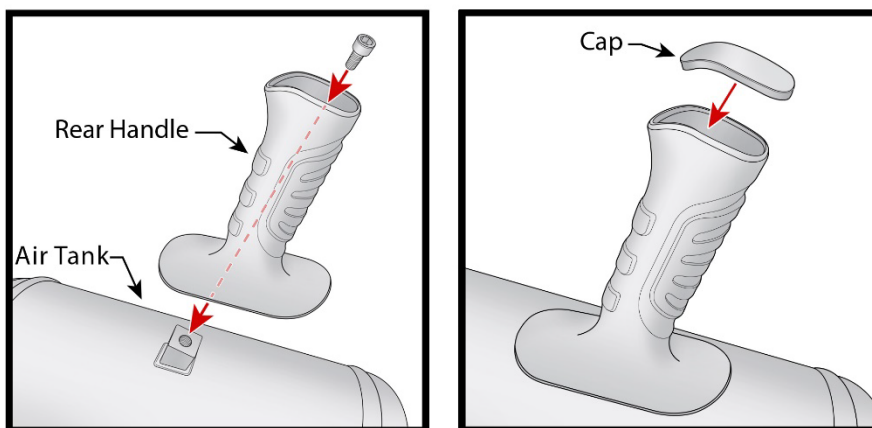
Assembly

⚠ WARNING *Use only the factory-supplied parts delivered with the product.* If parts are used from a different source, the warranty is voided and the safety of everyone who operates this equipment will be at risk of injury. If parts are missing, visit bendpak.com/support or by phone at **(800) 253-2363**, follow the prompts to reach support.

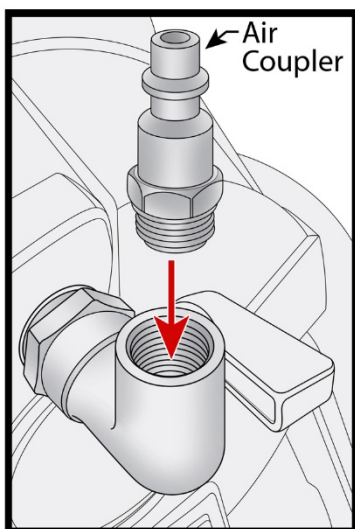
Follow the steps below to assemble the Portable Bead Seater.

To assemble the Vortex Portable Bead Seater:

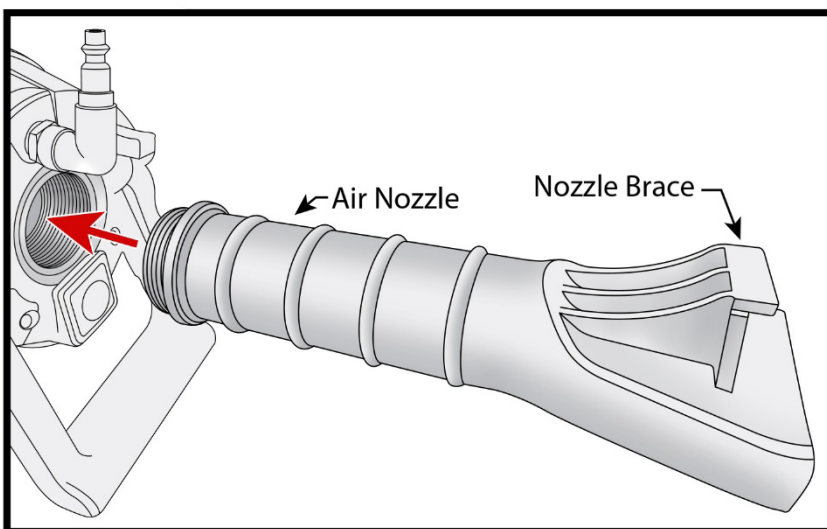
1. Assemble the Rear Handle to the Air Tank using the provided Hex Screw. Once the Rear Handle is secure, press fit the Cap to the bottom as shown below.



2. Install the Air Coupler to the Elbow Fitting on the end of the Air Tank. Tighten securely.



3. Install the Air Nozzle by screwing it into the opening on the end of the Air Tank. Tighten securely with the Nozzle Brace facing upward. See illustration below.



Operation

To seat a tire bead:

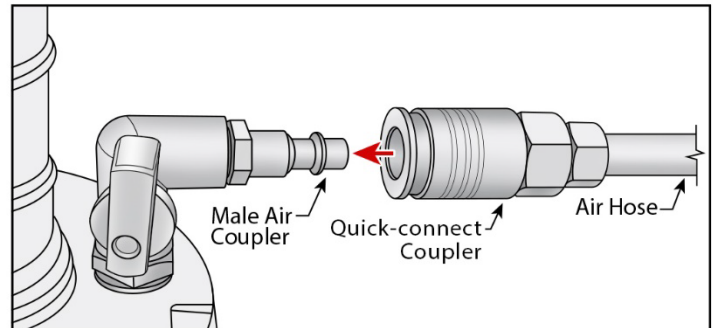
Only use the Vortex Portable Bead Sealer if it can be used safely.

1. Inspect the Vortex Portable Bead Seater as well as the tire and wheel for damage or wear before every use.
2. Make sure the tire beads are lubricated prior to using the Vortex Portable Bead Seater. Failure to lubricate the tire beads may result in seating failure.
3. Always wear proper protective equipment: face shield, hearing protection, and gloves.

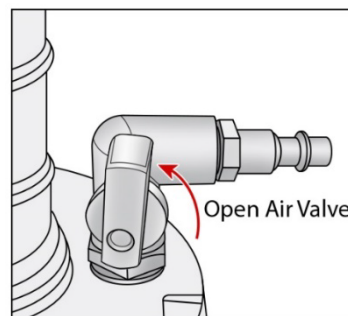


4. Fill the Air Tank with air (145 psi MAX—see page 6 for details).

- Connect an air hose with a Quick-connect Coupler to the Male Air Coupler on the Air Tank.
- Set the incoming air pressure to no more than 116 psi_MAX.



- Open the Air Valve
- Allow the Air Tank to fill until it reaches the desired pressure (indicated on the Pressure Gauge).
- Close the Air Valve
- Disconnect the air hose at the Quick-connect Coupling.

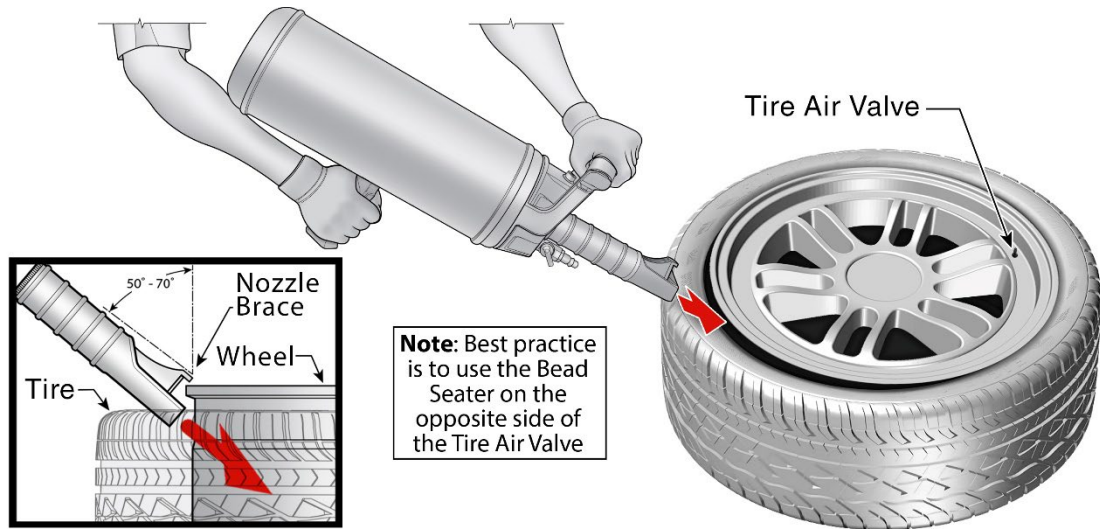




SAFETY BEST PRACTICE

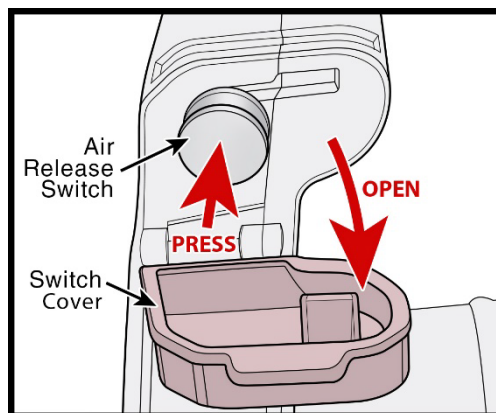
Failure to use a restraining device when inflating a tire/wheel assembly is a **DANGEROUS PRACTICE** that may result in serious injury or death.

5. While gripping both Handles tightly, align the Nozzle (at a 50°-70° angle) into the gap between the tire and the wheel, with the Nozzle Brace pressed against the wheel rim, as shown in the illustration below.



6. Open the Switch Cover.

Safety Cage not shown for clarity



7. Press the Air Release Switch to evacuate all air from the Air Tank and into the tire.
8. Check the tire pressure.
9. If the pressure is below the tire manufacturer's recommended tire pressure, use a tire inflation hose to add air. Do **not** overinflate the tire.

Maintenance

Drain the Tank regularly to prevent corrosion. Fill the Air Tank. Point the Nozzle down. Hold the Air Release Switch until all air (and any water) is fully expelled.

Maintenance Log

Troubleshooting

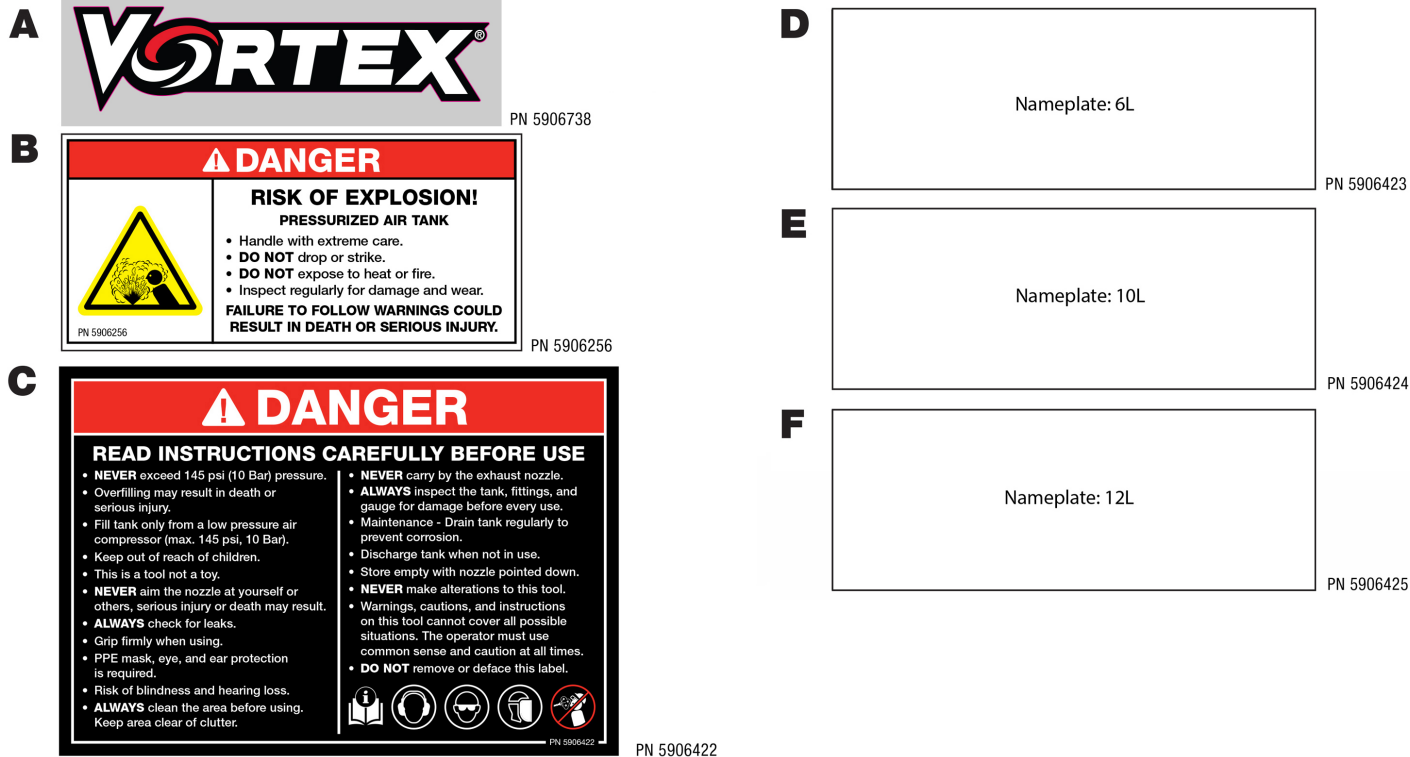
 **WARNING** To prevent injury, only perform maintenance or repair procedures when the **Vortex Portable Bead Seater** tank is completely free of pressure. Evacuate all air before beginning.

 **CAUTION** Repair procedures must be accomplished by qualified personnel who are familiar with this equipment.

Symptom	Possible Cause	Remedy
Tire bead will not seat	• Insufficient pressure in Air Tank • Tire is too big or the bead seater is too small. • Dirty tire and/or wheel rim	Ensure that the Air Tank is filled to the required pressure. Use the appropriate bead seater for the tire being used. <i>Do not increase working air pressure beyond the settings shown on page 6.</i> Clean the tire and wheel rim to remove all debris.
Air Tank will not hold pressure	Valve is not completely closed	Securely close the Air Valve.

If problems with the equipment continue, take the equipment out of service, then contact the dealer, visit bendpak.com/support, email support@bendpak.com or call **(800) 253-2363** and follow the prompts to reach support.

Labels



Ranger[®]

30440 Agoura Road.
Agoura Hills, CA 91301 USA
Toll Free: (800) 253-2363
bendpak.com