



PepperBall®

12V Patrol Vehicle Compressor

3000/4500PSI ADJUSTABLE AIR COMPRESSOR

User Manual





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PepperBall®

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⚠ DANGER OF EXPLOSION! THIS COMPRESSOR CAN FILL UP TO A MAXIMUM OF 4500 PSI (310 BAR). NEVER EXCEED THE MAXIMUM FILL PRESSURE OF YOUR HPA TANK. THE COMPRESSOR INCLUDES AUTO SHUT-OFF AND OVERLOAD PROTECTION, BUT YOU SHOULD ALWAYS PAY ATTENTION DURING OPERATION TO PREVENT OVERLOAD.

⚠ WARNING! DO NOT OVERFILL HPA TANKS OR AIR CYLINDERS. OVERFILL CAN CAUSE SERIOUS INJURY OR DEATH. NEVER SET THE OUTPUT PRESSURE/AUTO SHUT OFF ABOVE 4500 PSI (310 BAR).

⚠ WARNING! DO NOT DISASSEMBLE THE MACHINE WITHOUT PROFESSIONAL GUIDANCE. YOUR DISASSEMBLY MAY LEAD TO DAMAGE TO THE MACHINE AND IT WILL NOT WORK PROPERLY.

WARNINGS & SAFETY

This 12V Patrol Vehicle Compressor is designed by United Tactical Systems (UTS) to be reliable, accurate and durable. When properly handled, the 12V Patrol Vehicle Compressor will give many years of dependable service. Any piece of equipment can be dangerous if not operated properly. Please take the time to read through this manual and become familiar with the 12V Patrol Vehicle Compressor, operation, maintenance, parts and safety precautions before you attempt to use this compressor or fill any air system. This manual is a supplement to the recommended PepperBall® training and should be used as a reference when performing maintenance or re-qualification.

By purchasing this 12V Patrol Vehicle Compressor you and your agency assume total responsibility for its safe use. You must observe the same safety precautions as you would with any piece of equipment to ensure the safety of not only yourself, but everyone around you. Do not remove, defeat, deface, or render inoperable any of the safety devices or warnings on this equipment. If any safety devices or warnings have been removed, defeated, defaced, or rendered inoperable, DO NOT USE THIS EQUIPMENT.

Always perform a routine safety check before each use of this air compressor. Ensure your 12V Patrol Vehicle Compressor is placed in a secure and stable location. This unit can only be powered by 12-volt DC current. Ensure all hoses and cables are secured before turning on unit.

Never apply compressed air to your skin or directly at another person. Even air pressure as low as 15 PSI can cause serious injury. The air produced by this compressor is not breathable. Do not breathe compressed air.

If you are using your own pressure vessel, only use those that are built to national or international standards.

The user assumes all liability from unsafe handling or any action that constitutes a violation of any applicable laws or regulations. UTS shall not be liable for personal injury, loss of property, or loss of life resulting from the use of this 12V Patrol Vehicle Compressor under any circumstances, including any intentional, reckless, negligent, or accidental discharges. By using this 12V Patrol Vehicle Compressor, you release UTS of any and all liability associated with its use.

All information in this manual is subject to change without notice. Please refer to www.PepperBall.com for the most up-to-date information about the use of this product. UTS reserves the right to make changes and improvements to products without incurring any obligation to incorporate such improvements in products previously sold.

IF YOU DO NOT ACCEPT LIABILITY, DO NOT USE THIS PRODUCT.

 **WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.**

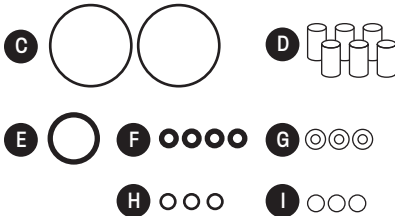
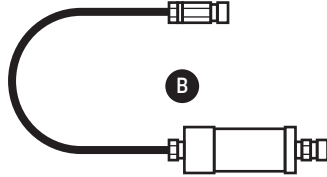
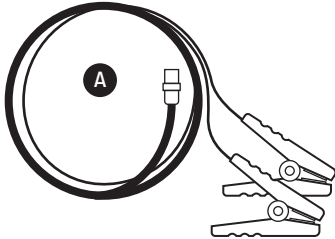
SAFETY IS YOUR RESPONSIBILITY!

The following information contains important warnings related to the proper use of this 12V Patrol Vehicle Compressor. Do not use this product until you have completely read this manual and/or have completed training and are familiar with its safety features, mechanical operation, and handling characteristics.



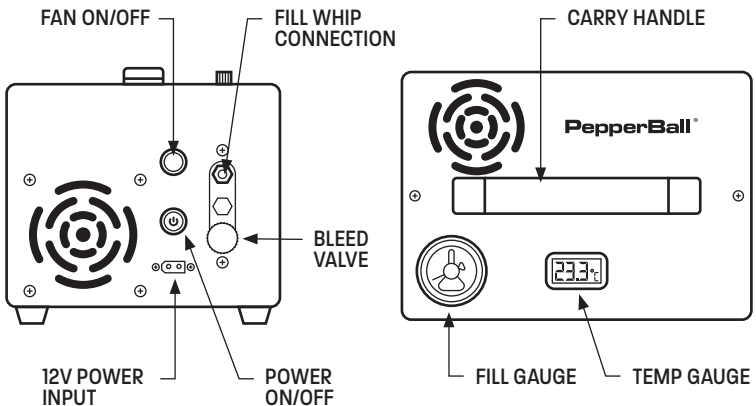
INCLUDED PARTS & OVERVIEW

INCLUDED PARTS



- A. 12V Car Battery Wire
- B. High Pressure Hose with Air Filter
- C. 2X O-Ring
- D. 6X Filters
- E. 1X O-Ring
- F. 4X O-Ring
- G. 3X Filter
- H. 3X O-Ring
- I. 3X Burst Disc

PRODUCT OVERVIEW



AIR BOTTLE FILL TIMES

APPROXIMATE FILL TIMES FROM DIFFERENT HPA TANK STARTING PRESSURES:

Air bottle	0 PSI	1500 PSI
13 cu. in. Aluminum	<6 minutes	<3 minutes
30 cu. in. Aluminum	<12 minutes	<6 minutes
18 cu. in. Carbon Fiber	<10 minutes	<6 minutes
30 cu. in. Carbon Fiber	<15 minutes	<9 minutes



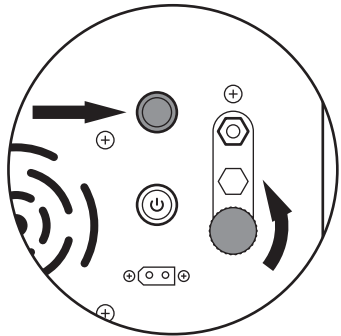
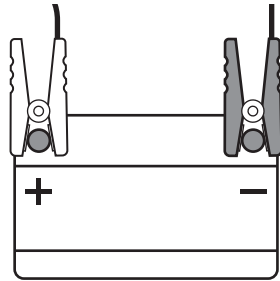
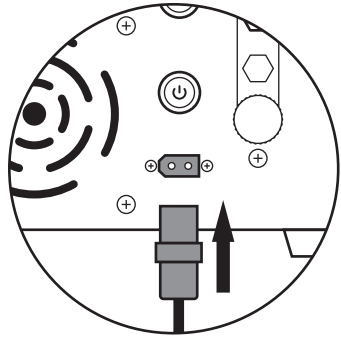
OPERATIONAL INSTRUCTIONS

WARNING: IT IS SUGGESTED TO LEAVE YOUR VEHICLE RUNNING DURING THE USAGE OF THIS COMPRESSOR. IT CAN DRAIN A BATTERY IF USED FOR AN EXTENDED TIME.

GETTING STARTED

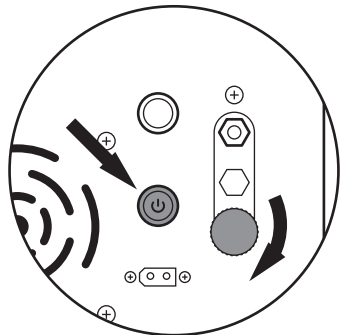
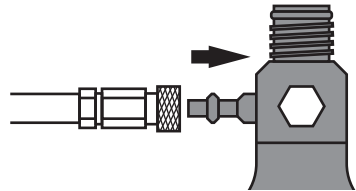
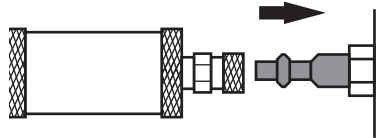
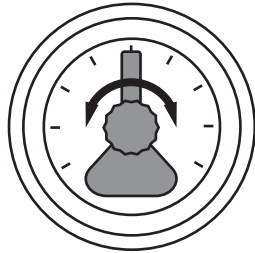
1. Plug DC 12v shaped connector into compressor.
2. Attach Positive (red) clamp to positive (+) pole on battery. Attach Negative (black) clamp to negative (-) pole on battery. Your vehicle should be left running while operating the compressor so that you do not drain your battery.
3. Press fan button to engage fan.
4. Ensure bleed valve knob is open (counterclockwise)

The 12-volt patrol vehicle compressor may also be installed permanently into the vehicle by having it wired into the electrical system. This installation should be completed by a qualified mechanic.



OPERATIONAL INSTRUCTIONS

5. Ensure fill pressure stop is set to desired capacity. 3000 psi for aluminum tanks, 4500 psi for carbon fiber tanks.
6. Attach filter end of fill whip to compressor and opposite end to fill nipple of tank to be filled. Ensure fittings are secure at each end.
7. Press Power button to engage compressor. After 5-10 seconds, close the bleed valve knob (turn clockwise until seated).



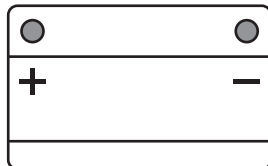
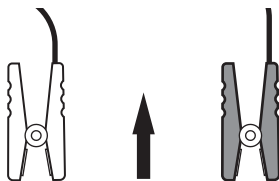
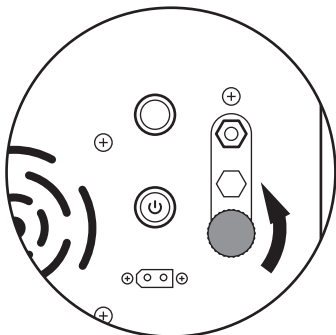
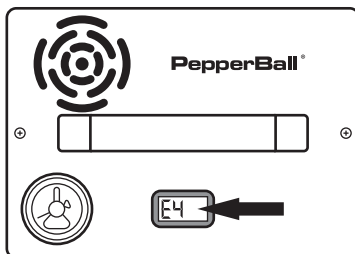


OPERATIONAL INSTRUCTIONS

- HPA tank will fill and system will shut down when pressure set at fill gauge is reached. An "E4" code will flash on the thermostat indicating that the unit has reached the set pressure.
- Open the bleed valve knob (counterclockwise) to release the pressure in the fill whip. This will allow the fill whip to be removed from the tank fill nipple.
- Allow fan to run after filling to allow system to cool down. 1-2 minutes is sufficient.
- Disconnect battery clamps from battery. Compressor will power down. Power cable and fill whip can be disconnected and unit can be stored until next usage.

NOTE: If necessary to fill another HPA tank, the power button must be pressed once to reset the compressor. The fan will continue to run during this time. Depress the Power button a second time to re-engage the system and begin filling tank.

PLEASE NOTE: System can bleed air if left for extended periods of time. Fill whip should be degassed and tank removed shortly after fill is complete.



TROUBLESHOOTING

The compressor will not turn on.

- Make sure both positive and negative attachments are securely fastened to the vehicle battery.

I used my compressor, and now my vehicle won't start.

- It is suggested to keep your vehicle running while utilizing the compressor to prevent draining your vehicle battery.

The system is leaking while filling the tank.

- Make sure the bleed screw is seated fully.

The unit has stopped, and the display reads "E2."

- This indicates the system has shut down due to an over-temperature condition. To resolve, keep the fan running and allow the unit to cool down before resuming operation. Typically, 5 minutes with just the fan running will give the system enough time to cool down appropriately.

The unit has stopped, and the display reads "E3."

- This indicates a low input voltage condition. It is recommended to keep your vehicle running while operating the compressor to prevent battery drain and ensure adequate input voltage.

The unit has stopped, and the display reads "E4."

- This is normal. E4 is an indication that the system has completed filling to the set pressure.

I filled a tank and want to fill another. What do I do?

- Press the power button once to reset the compressor. After ensuring the fill whip is connected securely at both ends, press the power button again to re-engage the system and start the filling process.

Which end of the fill whip do I attach to the tank?

- It is suggested to attach the filter end of the fill whip to the compressor. This will help capture any potential moisture from being delivered to the tank, and in the unlikely event that the fill whip would become disconnected from the tank during filling, it prevents the extra weight of the filter body from becoming a hazard.

Pressure achieved in the bottle is lower than the target pressure.

- The differential pressure across the bottle valve and hose, combined with the effects of cooling, may cause a small pressure loss. This will differ from one vessel to another. Adjust the target pressure on the compressor to compensate.



WARRANTY & DISCLAIMER

WARRANTY, DISCLAIMER OF WARRANTY AND LIMITATION OF REMEDIES

United Tactical Systems, LLC (UTS) warrants, solely to the end user, law enforcement agencies, private security firms, or private or public corrections agencies, that the product is delivered free from defects in materials and workmanship for a period of one (1) year from the original date of purchase.

Within the one-year warranty period, UTS' liability and the buyer's sole and exclusive remedy hereunder for all claims shall be limited to a refund or credit to buyer of the purchase price, or replacement of this product, at UTS's option, provided that the non-conforming product is (1) returned during the warranty period and (2) properly packaged and shipped to the UTS designated facility in accordance with the UTS Return Merchandise Authorization (RMA) Policy.

THE REMEDY SET FORTH ABOVE SHALL BE THE SOLE AND EXCLUSIVE REMEDY FOR BREACH OF THE FOREGOING WARRANTY.

Products which have been improperly handled, stored or shipped, or which have been subject to abuse, misuse, alteration and or neglect are not covered by the warranty. Aftermarket products and the use of non-authorized projectiles are strictly prohibited by UTS and any indication of their installation or use shall void all warranties. Unauthorized modifications voids the warranty. **DO NOT ATTEMPT TO FILL HPA TANK LARGER THAN 3 LITERS (180 CU in) or risk voiding warranty.**

DISCLAIMER OF WARRANTY: Except for the express limited warranty set forth above, UTS makes no warranties or representations of any kind, whether express or implied, with respect to the product, including any (a) warranty of merchantability; or (b) warranty of fitness for a particular purpose; or (c) warranty against infringement of intellectual property rights of a third-party, whether express or implied by law, course of dealing, course of performance, usage of trade or otherwise. There are no warranties which extend beyond the description of the face hereof. Buyer shall make no warranty or representation regarding the products that is inconsistent with the warranty set forth above. UTS shall not be liable for any injury, loss, or damage, direct or consequential, arising out of the use or the inability to use this product. Warranty does not cover damage caused by abuse, misuse, loss, improper handling, alterations, accident, neglect, or disassembly. Before use, the user shall determine the suitability of the product and be fully trained for its intended use, and user assumes all risks and liability whatsoever in connection therein. In no event shall UTS be liable or obligated to buyer or to any third party in any manner for any (a) special, non-compensatory, consequential, indirect, incidental, statutory, or punitive damages of any kind, including, without limitation, lost profits and/or lost revenue, regardless of the form of action, whether in contract, tort, negligence, strict product liability, or otherwise, even if informed of or aware of the possibility of any such damages in advance, (b) in an amount greater than the amounts paid to UTS by buyer for the products, or (c) damage or injury caused by the products, unless due to the gross negligence or willful misconduct of UTS. The limitations set forth above shall be deemed to apply to the maximum extent permitted by applicable law and notwithstanding the failure of the essential purpose of any limited remedies. The parties acknowledge and agree that they have fully considered the foregoing allocation of risk and find it reasonable, and that the foregoing limitations are an essential basis of the bargain between the parties.

RETURN POLICY

CUSTOMER SERVICE, REPAIR POLICY AND RETURN POLICY

For any Customer Service related issues that cannot be answered by the FAQ in this manual, please contact PepperBall at:

PEPPERBALL CUSTOMER SERVICE
service@pepperball.com | 888-874-3491.

WARRANTY AND SERVICE INFO

All returns must be authorized by PepperBall. Contact PepperBall at service@PepperBall.com or call PepperBall Customer Service at 888-874-3491.

When returning product:

CAUTION: ALWAYS REMOVE FLUID BEFORE SHIPPING THIS COMPRESSOR.

- Make sure the RA Number is clearly marked on the outside of the shipping package.
- Include a brief statement regarding the requested repair.
- Include your name, return address and a telephone number where you can be reached during normal business hours inside the shipping package.
- Out-of-warranty returns require a pre-payment of parts, labor, and shipping charges prior to return shipment by UTS.
- All in warranty products will be repaired or exchanged at the discretion of PepperBall and will be shipped back to the Customer via ground shipping at no-charge.
- You may request expedited shipping at your expense with charges paid prior to return shipment.



THIS IS NOT A TOY.

ONLY ALLOW USE BY RESPONSIBLE PERSONS.

READ MANUAL BEFORE USE.

Additional safety information available online.

PepperBall® is a division of United Tactical
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