



TIRE HARDWARE

! WARNING

MAXIMUM PRESSURE 165 PSI. RECOMMENDED OPERATING PRESSURE 85-165 PSI. *OVERFILLING MAY RESULT IN DEATH OR SERIOUS INJURY* FILL THIS TANK ONLY FROM A SERVICE STATION OR SIMILAR LOW PRESSURE, -165-PSI AIR COMPRESSOR *REPLACE FILLER VALVES, AIR HOSE, GAUGE WITH LIKE FITTING. DEFLATE TANK BEFORE REMOVING FITTING. DISCHARGE TANK WHEN NOT IN USE. EAR PROTECTION RECOMMENDED. *WEAR SAFETY GLASSES* THIS PRODUCT CONTAINS CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM. WASH HANDS THOROUGHLY AFTER HANDLING.

DO NOT REMOVE OR DEFACE THIS LABEL

! AVERTISSEMENT

PRESSION MAXIMUM 165 LB/PO2. PRESSION DE FONCTIONNEMENT RECOMMANDÉE 85-165 LB/PO2. *LE TROP-PLEIN PEUT CAUSER DES BLESSURES SÉRIEUSES OU MÊME ENTRAÎNER LA MORT* REMPLISSEZ CE RÉSERVOIR À PARTIR D'UNE STATION SERVICE OU D'UN COMPRESSEUR D'AIR 165 LB/PO2 À BASSE PRESSION UNIQUEMENT *REMPLACEZ LES SOUPAPES DE REMPLISSAGE ET LE TUYAU D'AIR AVEC DES RACCORDS DE CALIBRES SEMBLABLES. DÉGONFLEZ LE RÉSERVOIR AVANT D'ENLEVER LE RACCORD. ÉVACUEZ LE RÉSERVOIR LORSQU'IL N'EST PAS UTILISÉ. IL EST RECOMMANDÉ DE PORTER UNE PROTECTION AUDITIVE. *PORTEZ DES LUNETTES DE SÉCURITÉ* CE PRODUIT CONTIENT DES PRODUITS CHIMIQUES RECONNUS PAR L'ÉTAT DE LA CALIFORNIE COMME CAUSANT LE CANCER, DES ANOMALIES CONGÉNITALES OU D'AUTRES EFFETS NUISIBLES SUR LA REPRODUCTION. SE LAVER MINUTIEUSEMENT LES MAINS APRÈS AVOIR UTILISÉ LE PRODUIT. NE RETIREZ PAS OU N'ALTÉREZ PAS CETTE ÉTIQUETTE.

! ADVERTENCIA

MÁXIMA PRESIÓN 165 PSI. PRESIÓN DE OPERACIÓN RECOMENDADA 85-165 PSI. *EL SOBRE-RELLENADO PUEDE OCASIONAR LA MUERTE O LESIONES SERIAS * LLENE ESTE TANQUE SÓLO EN UNA GASOLINERA O ESTACIÓN DE SERVICIO SIMILAR BAJA PRESIÓN, -165-PSI COMPRIMIDOR DE AIRE *REPONGA LAS VÁLVULAS DE LLENADO, MANGUERA DE AIRE, MEDIDOR CON ACCESORIO SIMILAR. DESINFLA EL TANQUE ANTES DE EXTRAER EL ACCESORIO DESCARGUE EL TANQUE CUANDO NO ESTÁ EN USO. SE RECOMIENDA PROTECCIÓN DE OÍDOS. *LLEVE PUESTO GOGLES DE SEGURIDAD * ESTE PRODUCTO CONTIENE SUSTANCIAS QUÍMICAS CONSIDERADAS POR EL ESTADO DE CALIFORNIA COMO CAUSANTES DE CÁNCER, DE MALFORMACIONES CONGÉNITAS U OTROS DAÑOS EN EL SISTEMA REPRODUCTIVO. LÁVESE BIEN LAS MANOS DESPUÉS DE MANIPULAR EL PRODUCTO. NO EXTRAIGA NI PINTARRAJEE ESTA ETIQUETA.



Bead Seating Tool
Outil De Montage De Talon De Pneu
Aparato Para Asentar Talones Ae Llantas

90-403



*THIS INSTRUCTION MANUAL CONTAINS
IMPORTANT SAFETY INFORMATION.*

*READ CAREFULLY AND UNDERSTAND
ALL INFORMATION BEFORE OPERATING
THIS TOOL!*

*SAVE THIS MANUAL FOR
FUTURE REFERENCE.*

*INSTRUCTIONS EN FRANÇAIS À PARTIR
DE LA PAGE 13*

*CE GUIDE D'UTILISATION RENFERME
D'IMPORTANTES CONSIGNES DE
SÉCURITÉ.*

*LISEZ-LE ATTENTIVEMENT ET
ASSUREZ-VOUS D'AVOIR BIEN COMPRIS
TOUTES LES DIRECTIVES AVANT
D'UTILISER CET OUTIL!*

*CONSERVER CE GUIDE POUR
CONSULTATION ULTÉRIEURE.*

*LAS INSTRUCCIONES EN ESPAÑOL
COMIENZAN EN LA PÁGINA # 8.*

*ESTE MANUAL DE INSTRUCCIONES
CONTIENE IMPORTANTES
INFORMACIONES DE SEGURIDAD*

*¡LEA CUIDADOSAMENTE Y ASEGÚRESE
DE COMPRENDER TODAS ESTAS
INFORMACIONES, ANTES DE PROCEDER
CON EL FUNCIONAMIENTO DE ESTA
HERRAMIENTA!*

*CONSERVE ESTE MANUAL PARA TENER
UNA REFERENCIA EVENTUAL.*

OPERATION

DESCRIPTION

The NAPA Tire Hardware® Bead Seating Tool uses compressed air to properly seat the bead on Auto, ATV, and Truck Tires. Please read the following instructions below before proceeding with tool operation.

BEFORE OPERATION

Check that you have received your NAPA Tire Hardware® Bead Seating Tool in good condition with no signs of damage. Please familiarize yourself with the components of this product (see component drawing on the right). Note: The bead seating tool should arrive fully assembled except for the threaded barrel which must be firmly threaded onto the release valve assembly before use. Read the following instructions and safety information before using this product.

FILLING THE BEAD SEATING TOOL WITH AIR

The bead seating tool can be filled with air from any general commercial compressed air source. Please refer to the tank pressure information table (on page 5) for more information on tire type and suggested tank pressure before proceeding.

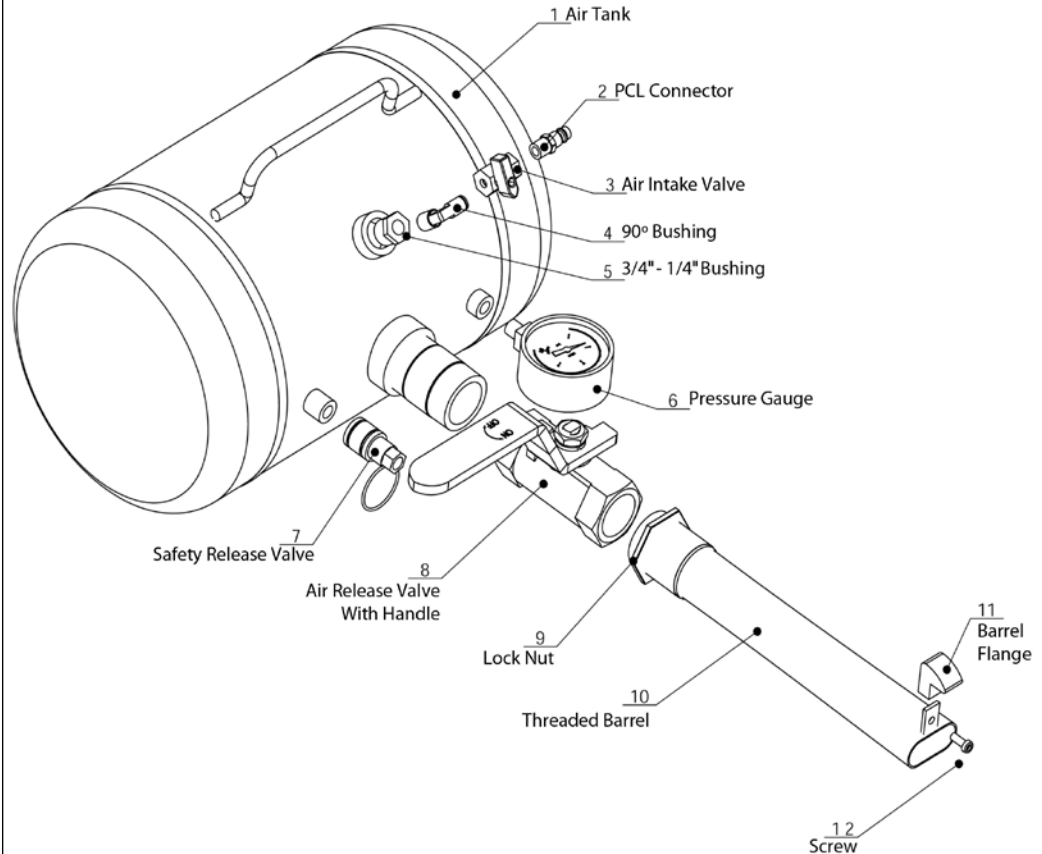
1. Make sure the air release valve is closed and attach the air supply line to the PCL connector on the bead seating tool.

2. Open the air intake valve to fill the bead seating tank to the desired air pressure.

3. When the pressure gauge indicates that the suggested tank pressure has been reached, close the air intake valve.

4. Disconnect the air supply line from the PCL connector.

BEAD SEATER COMPONENT DRAWING



OPERATION continued

USING THE BEAD SEATER: HORIZONTAL POSITION FOR TIRE/WHEEL:

WARNING:

Always wear OSHA and ANSI approved safety gloves and eye protection when using the bead seating tool. Make sure the area is clear of bystanders or hazardous materials before operating.

1. Position the wheel and tire flat on a tire stand so that the lower side wall is slightly off the floor.
2. Be sure to seat the lower tire bead on the bottom flange of the wheel.
3. Before attempting to seat the bead make sure barrel flange (11) is on top (on the same side as the air release handle (8) - shown above). Rotate barrel to this position if necessary before proceeding.
4. Firmly hold the bead seater by the handle and position barrel at an approximate 45° downward angle and place the barrel flange (11) on the upper edge of the wheel rim opposite the tire valve into the opening between the tire and rim. See drawing below.
5. Take the other hand and quickly turn the air release valve to open, releasing air into the tire.

6. Once you have successfully seated the tire, connect an air supply line to the tire valve to complete tire inflation to correct pressure.

USING THE BEAD SEATER: VERTICAL TIRE/WHEEL:

NOTE: USE EXTREME CAUTION

Always wear OSHA and ANSI approved safety gloves and eye protection when using the bead seating tool. Make sure the area is clear of bystanders or hazardous materials before operating.

CAUTION: This method should only be used when there is a large gap between the wheel rim and tire bead or if the tire is too heavy.

WARNING:

If the tire and wheel are not properly supported, they may fall forward when inflating causing harm to the bead seater operator. **PLEASE USE EXTREME CAUTION!**

1. Position the tire and wheel so that it is tilted slightly back and secure it with a tire wedge. Make sure that the tire and wheel are supported away from the wall to be sure once inflated the tire and wheel **DO NOT FALL FORWARD CAUSING INJURY.**

2. The back bead of the tire (furthest from the operator) should be seated against the wheel rim trapping out any air. The front or wide flange of the wheel should be facing the operator with the tire valve stem positioned at the bottom of the tire.

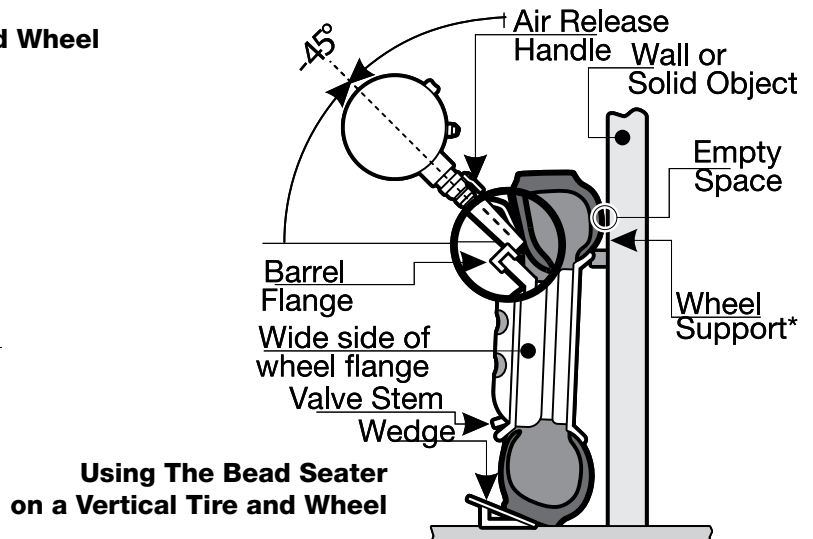
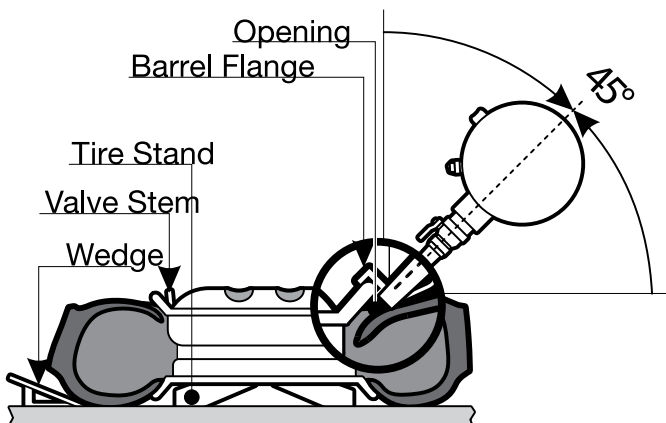
3. Rotate the barrel so the barrel flange (11) is underneath (on the opposite side of the air release handle).

4. Firmly hold the bead seater by the handle and position barrel at an approximate 45° downward angle and place the barrel flange (11) on the edge of the wheel rim near the top of the wheel, opposite the tire valve, into the opening between the tire and rim. See drawing below.

5. Take the other hand and quickly turn the air release valve to open, releasing air into the tire.

6. Once you have successfully seated the tire, connect an air supply line to the tire valve to complete tire inflation to correct pressure.

Using The Bead Seater on a Horizontal Tire and Wheel



PLEASE REVIEW ALL WARNING INSTRUCTIONS PRIOR TO OPERATION. SAVE THIS MANUAL FOR FUTURE REFERENCE.

OPERATION continued

OPERATING THE AIR RELEASE HANDLE

Always turn the air release valve handle quickly and fully in one fluent motion during seating operation.

LUBRICATE

Lubricating all tire beads properly before using the bead seating tool is important. Failing to lubricate beads may result in poor seating.

BEAD SEATING ANGLE

Always hold the bead seating tool at an angle so that the barrel points directly into the gap between the tire and rim, about 45° from vertical or horizontal depending on tire wheel position. This is important to ensure proper seating so that air does not hit the outside of the tire pushing the tire away OR the inside of the rim disallowing air to enter the tire.

BEAD SEATING TOOL APPLICATION

The most effective position to apply the bead seating tool is opposite the tire valve, and where the gap is largest. This results in both sides of the tire receiving an air supply, and ensures that the maximum amount of air enters the tire, creating the maximum lift. If a wedge has been properly used, the largest gap should be opposite the valve.

STORAGE

Always store the bead seater in a cool, dry place, hanging by the handle with the air release valve open to ensure any built-up moisture drains from the tank; this also protects the barrel and attachments from damage.

NEVER STORE OR TRANSPORT A CHARGED BEAD SEATER. ALWAYS CHARGE BEFORE USE AND DISCHARGE AFTER USE!

WARNING:

Be cautious of compressed air hazards, and keep away from flammable materials and vapors.

CONSTRUCTION

The barrel is threaded on to the air intake valve to allow for rotation. Before operating, the barrel must be orientated and tightened in accordance with the manual. Pressure gauge accuracy is +/- 10%.

AIR SUPPLY/ CHARGING

The NAPA Tire Hardware® Bead Seater has been tested and ASME approve to ensure quality. The pressure release valve has been tested and cannot exceed 165 psi (11 bar). Ensure that the bead seating tool is only charged immediately before use. The bead seating tool must be charged from a clean, oil-free, dry air supply, and should only be charged from a low pressure airline system (up to 165 psi/11 bar). Never fill with anything other than air at ambient temperature.

HEARING PROTECTION

The barrel is threaded on to the air intake valve to allow for rotation. Check when operating the bead seating tool the barrel is orientated in accordance with the manual and the barrel has been tightened. Note that the pressure gauge accuracy is +/- 10%.

NOISE SPECIFICATIONS

(Assuming the bead seating tool is used, on average, 6 to 10 times per day): Average Equivalent Noise Level is approx. (L/AEq) < 70 dB.
Peak C Weighted Instantaneous Sound Pressure = 135 dB = 112.46
(Measurements were taken discharging the bead seating tool into free air. The noise level is reduced when discharged at a tire and rim.)

EYE PROTECTION

ALWAYS wear approved OSHA and ANSI Z87.1-2003 approved safety goggles when operating this tool. Be considerate of bystanders when using this tool, and warn them accordingly.

TIRES - EXPLOSION RISK

Before using the bead seating tool on a tire or inflating any tire:

- ALWAYS inspect the tire for damage.
- ALWAYS ensure that any locking ring is secured in place.
- ALWAYS use a safety cage for inflating large tires or tires at high pressures.
- DO NOT over inflate the tire.
- DO NOT inflate damaged tires.

OTHER USES

Do not use the bead seater for any other purpose than what is was designed for. In particular:

- DO NOT store or transport a charged tank.
- DO NOT use it for dusting down equipment or people.
- DO NOT discharge the bead seating tool towards anyone.
- DO NOT clean a tire with a flammable solvent before using.
- DO NOT subject the tank to any stress or impact that might weaken it.

MAINTENANCE

Check the bead seating tool regularly for damage or signs of wear, and ensure that the tank is inspected inside and out on a yearly basis.

NEVER TIGHTEN OR LOOSEN FITTINGS WHILE CYLINDER IS CHARGED!

Items to check for:

- Make sure there are no cracks in the tank or fittings.
- The barrel is not damaged or bent and there are no obstructions to the barrel.
- NEVER tighten or loosen fittings while the cylinder is charged.

DRAINING

Drain the bead seating tool regularly. To do this, hang the bead seater up with the barrel positioned downward and open the air release valve.

ACCESSORY KIT:

The bead seating tool has associated

accessories which can make it more convenient to use. A bead seating tool accessory kit includes one each of the following:

TIRE STAND (ACCESSORY NOT INCLUDED)

A tire stand designed to hold the wheel and tire in the best position for applying the bead seating tool is also available.

TIRE WEDGE (ACCESSORY NOT INCLUDED)

The tire wedge is used to support the tire to maximize bead contact with the rim. Place the wedge under the side of the tire near to the valve. This ensures that air entering through the valve goes into the tire, and does not escape straight away.

WEDGE SAFETY

A wedge is designed to raise the rim off the floor and ensure proper bead

seating. It helps direct the air supply line and prevents excess air escape. Position the wedge under the tire close to the valve stem. If possible, position the tire to cover the valve.

LOW PRESSURE AIR LINE (ACCESSORY NOT INCLUDED)

This is a ball-valve operated airline which enables the fitter to operate the airline connected to the tire valve stem easily while handling the bead seating tool. Improves the safety of the product as the operator is in full control of the air supply.

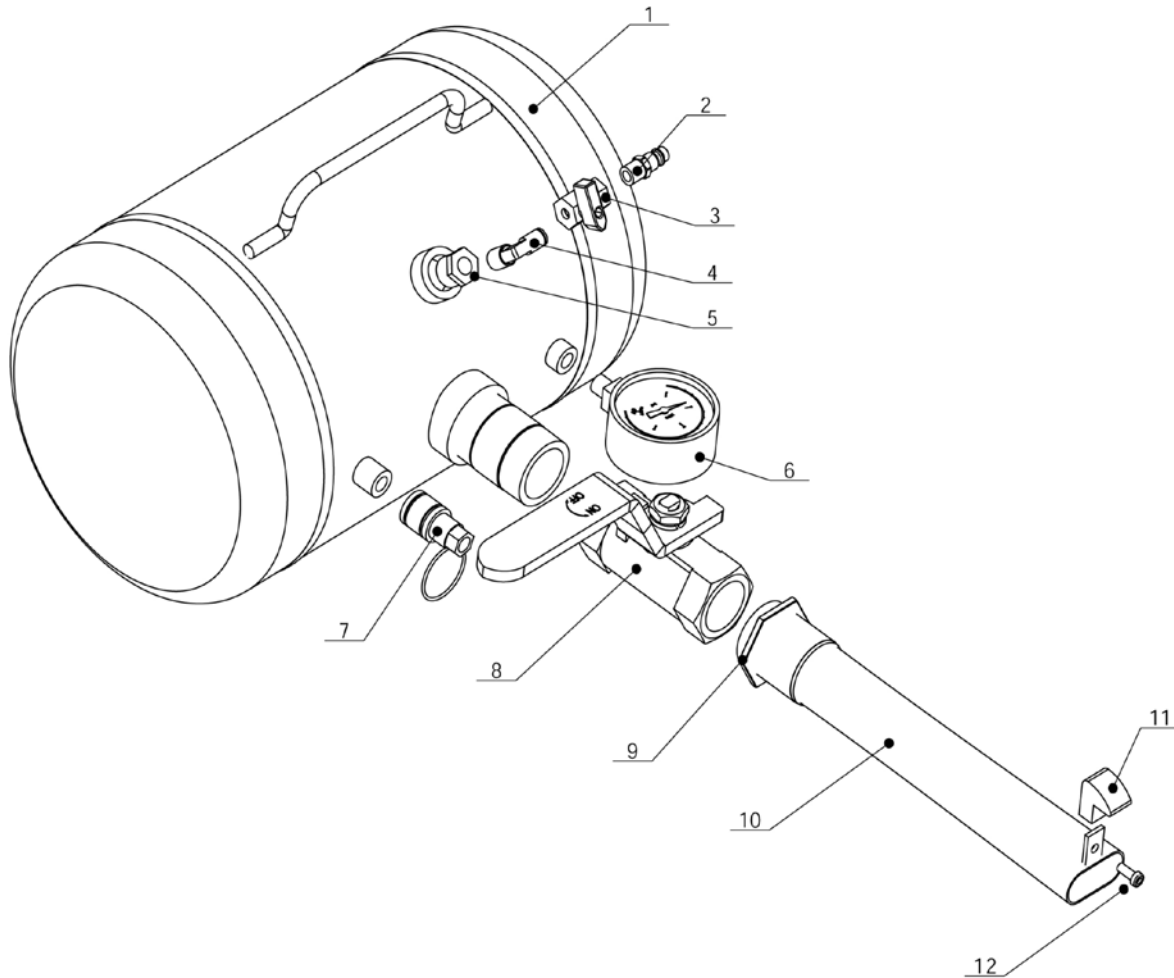
AIR LINE SAFETY

An air line is designed to deliver maximum air volume and control by allowing the user to be hands free (from air line) during bead seating operation. Always use an appropriate air line for the type of tire you are inflating.

TANK PRESSURE TABLE Use the Tank Pressure Information Table below as a guide for recommended starting pressures; individual circumstances may require higher or lower pressures. Increase pressure if the bead seating tool does not lift the tire bead far enough. Decrease pressure if the tire bead appears to seat at first and then falls off again.

VEHICLE TYPE	TIRE TYPE EXAMPLES	SUGGESTED TANK PRESSURE	TIPS
ATV	16-650-8 22-11-8 25-12-9 24-9-11	40 psi (2.7 bar)	Fit on stand, with stand in highest position. Can be fitted with the valve at the bottom.
Lawn Tractor	16-650-8 23-1050-12 26-12-12	40 - 50 psi (2.7-3.4 bar)	Use the stand in the highest position
Car	13" Rims 14" Rims	50 - 60 psi (3.4-4.1 bar)	If difficult, do not place on the stand -lean the rim against it. Ensure that valve is covered. Lubricate well.
4 X 4	15" Rims 16" Rims	60 - 80 psi (4.1-5.4 bar)	Fit in vertical position. Lubricate well. Ensure that the valve is covered by the tire
Truck	11-22-5 18-22-5	100 (6.8 bar) 120 (8.2 bar)	Can be fitted vertically - i.e. still on the truck. Rotate the bead seating tool Spout to the correct position. If using stand, use in the lowest position.
Tractor	Up to 28" Over 28"	100 psi (6.8 bar) 120 psi (8.2 bar)	Fit horizontally, position the bottom bead on the rim, use the tire wedge.
Large Tractor	Terra Tires 48-31-20 66-43-25	120 psi (8.2 bar)	Fit vertically. Roll tire until the back bead is in position.

PLEASE REVIEW ALL WARNING INSTRUCTIONS PRIOR TO OPERATION. SAVE THIS MANUAL FOR FUTURE REFERENCE.



PARTS LIST

Ref. No.	Part No.	Description	QTY.
1.		Air Tank	1pc
2.	RS9040302	PCL Connector	1pc
3.	RS9040303	Air Intake Valve	1pc
4.	RS9040304	90° Bushing	1pc
5.	RS9040305	3/4"-1/4" bushing	1pc
6.	RS9040306	Pressure Gauge	1pc
7.	RS9040307	Safety Release Valve	1pc
8.	RS9040308	Air Release Valve With Handle	1pc
9.	RS9040309	Lock Nut	1pc
10.	RS9040310	Threaded Barrel	1pc
11.	RS9040311	Barrel Flange	1pc
12.	RS9040312	Screw	1pc
13.	RS90403LK	Product Label Kit (not shown)	1pc

Only Reference No.'s identified by Part No. are available separately.

WARRANTY

BALKAMP CUSTOMER SATISFACTION POLICY

At Balkamp, we believe that the customer should be satisfied with the performance, quality and workmanship of whatever product they buy. With a few exceptions, we believe that the consumer has the right to use any product purchased for a reasonable amount of time before determining whether a product performs satisfactory and is of good quality. If the customer reasonably decides that the product does not meet this test, they may return the product to their local NAPA AUTO PARTS store. Balkamp encourages the NAPA AUTO PARTS store to do whatever is necessary to correct the customer's dissatisfaction. Whether a full cash refund or credit against the purchase of other merchandise is used, is solely up to the discretion of the serving NAPA AUTO PARTS store.

Balkamp's Customer Satisfaction Policy covers the cost of the defective product only and does not cover the cost of installation. Balkamp reserves the right to refuse credit in the event that any damage to the product resulted from collision, improper installation, or other customer abuses. This policy extends only to the original purchaser of the product and is nontransferable. The Balkamp Policy is in lieu of all other warranties, expressed or implied, with the exception of consumer warranties as provided with the packaged product. In warranty cases, those wishing to handle the warranty procedure directly with the manufacturer are welcome to do so. Credit will not be issued on warranty items as specified for repair or return.