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# **Texas Blaster**

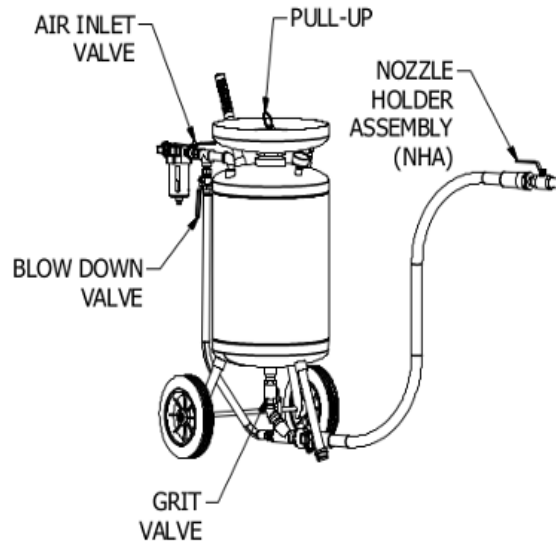
**Est 1963**

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## Assembly & Operating Instructions

# Texas Blaster Assembly & Operating Instructions

Please read instructions before operation



## Tools Needed

1. Pipe dope or thread tape
2. 12" – 14" pipe wrench
3. 12" adjustable wrench
4.  $\frac{9}{16}$ " socket
5. Hammer

## Instructions

1. Remove tank and inside box.
2. Locate and organize for Lower Unit Installation: Lower Assembly with Grit Valve and blow down hose attached, axle cap, axle, support leg with end cap, (2) 2" flat washers, (2) struts (**both are found inside the cardboard tube**), (2) wheels.
3. Locate and organize for Upper Unit Installation: Upper Assembly, handle with bike grip, water filter (optional accessory), 1/2" water filter nipple (optional accessory)
4. Locate and organize for Blast Hose Installation:  $\frac{3}{4}$ " blast hose, Nozzle Holder Assembly, nozzle(s).

## Lower Unit Installation

### Lower Assembly Installation

1. Flip the tank onto its funnel.
2. Pipe dope or tape the threads of the Lower Assembly.
3. Using a 12"-14" pipe wrench, tighten the Lower Assembly into center 3/4" hole.
4. Proper alignment of the Lower Assembly is between the center hole for the third leg support and the far-right strut hole on the bottom of the tank (see above photo). Visually, from the front of the tank, the Lower Assembly is aligned directly under the right edge of the Texas Blaster sticker. See inset on exploded view.

### Strut Installation

CAREFUL – struts are very sharp and can be dangerous. Be aware of the struts' sharp points when building out the axle and wheels.

1. Remove the **(2) struts from the cardboard tube.**
2. Place the struts into the holes closest to the tank seam.
3. Use axle shafts to tighten the struts into position by slipping the shaft through the strut hole and twisting into position.
4. Align the strut holes to face each other. This requires that the cut angle is faced outward and the holes are aligned allowing the axle shaft to pass straight between the struts.
5. Tighten to secure and align the axle. Do not over tighten.

### Axle Installation

One end of the axle is already capped with an axle cap fitting.

1. Pass the axle through one wheel.
2. Pass the axle with wheel through a 2" x 1/2" flat washer.
3. Pass the axle, wheel, and washer through the hole in the strut feeding the axle shaft out the second strut.
4. Place the 2<sup>nd</sup> washer on the shaft next to the strut.
5. Place the 2<sup>nd</sup> wheel on the shaft next to the washer.
6. Set the axle cap.

### Axle Cap Installation

1. Turn the tank on its side so that the other capped wheel is against the floors' solid surface.
2. Place the axle cap on the axle shaft.
3. Place a 9/16" socket over the cap.
4. Firmly set the axle cap with use of a hammer.

### Leg Support Installation

1. Install the support leg and tighten using a 12" adjustable wrench.

## Upper Unit Installation

### Upper Assembly Installation

1. Set tank upright on its wheels
2. Pipe dope or tape the threads on the ½" x 3-1/2" close nipple of the Upper Assembly.
3. Using a 12"-14" pipe wrench, tighten the Upper Assembly into 1/2" galvanized street elbow.
4. Push free end of Blow Down Hose onto brass push lock fitting. This is a difficult step. Warming the hose and dipping into soapy water will aid in this process. No additional clamps are necessary.
5. Proper alignment of the Upper Assembly faces directly to the back of the tank (see above photo and inset).
6. Install optional Water Filter using ½" close nipple to the Upper Assembly.
7. Align the Water Filter using the directional arrow of flow on the filter. The arrow represents in which direction the air is moving. This means the arrow should face towards the blast tank.
8. Be sure to install the Water Filter downwards as to contain moisture properly.
9. Attach your air compressor line to the Water Filter.

### Bike Handle Installation

1. Install the handle with bike grip and tighten using a 12" adjustable wrench.

## Blast Hose Installation

1. Attach the ¾" Q1A blast hose quick connect to the bottom of the tank at the Lower Assembly.
2. Attach the Nozzle Holder Assembly to the blast hose.
3. Screw the nozzle of choice into the assembly.

## Operating Instructions

### Easy but Important

1. Regulate air at your air compressor between 80-110 PSI depending on blast surface.
2. Close ALL valves directly attached to the tank. The Nozzle Holder Assembly valve should stay FULLY open during blasting process.
3. Fill blast tank with media of choice.
4. Apply lifting pressure to the Pull-Up Ring to the top of the tank. For best results, center the eye bolt in the funnel opening.
5. Open Air Inlet Valve to pressurize the tank.
6. Open Blow Down Valve. This allows air to move through the blast hose.
7. SLOWLY, SLOWLY, SLOWLY open the Grit Valve a slight amount. Media flowing into the hose must be 1/10<sup>th</sup> the size of the nozzle opening. NEVER fully open the Grit Valve. If Grit Valve is opened too much or too quickly, the blast hose overfills with media and the nozzle will clog.
8. If clogging occurs, close the Grit Valve until a smooth air flow returns. Repeat Step 7.
9. REMEMBER: the Grit Valve is ALWAYS the last valve opened and the first valve closed.

## Additional Blasting Notes

1. The Nozzle Holder Assembly is included with a valve. This valve is NOT used on industrial blasters. It can be used as an additional immediate shut off valve. DO NOT use the valve to reduce the flow of media. This valve is designed to be fully opened or closed. Any partially opened/closed valve will result in erosion. IE: a hole will be blow in the side of the valve. This valve is for intermittent use only and continuous use will result in valve erosion.
2. Any dampness MAY require the Blow-Down Valve to be closed slightly. This allows additional pressure to the tank to remove damp media. However, the normal Blow-Down Valve position is FULLY opened when the media is dry.
3. Be sure to check the water filter if moisture is heavy. The more moisture in the air, the more moisture the water filter will collect. The water filter has a release valve at the bottom. This can be used to empty the filter during blasting if needed. Also, additional water filters can be installed.

## Safe Operating Instructions

1. All components are designed to operate between 50 PSI – 125 PSI. If your air compressor delivers more than 125 PSI, a pressure regulator should be installed.
2. Operating the blaster above 125 PSI is not economical as the media breaks down at high pressure, will not cut properly, and can damage welded seams resulting in premature wear of hoses, fittings, and valves.
3. Always wear safety gear for protection.
4. Keep away from children.
5. Never point the blast nozzle at persons.
6. Protect nearby objects. Use tapes, tarps, or coverings to protect non-blast surfaces.
7. Fire Safety – Sand hitting metal can cause a spark. Never work near oily rags, gas tanks, or flammable liquids.

REMEMBER SAFETY FIRST

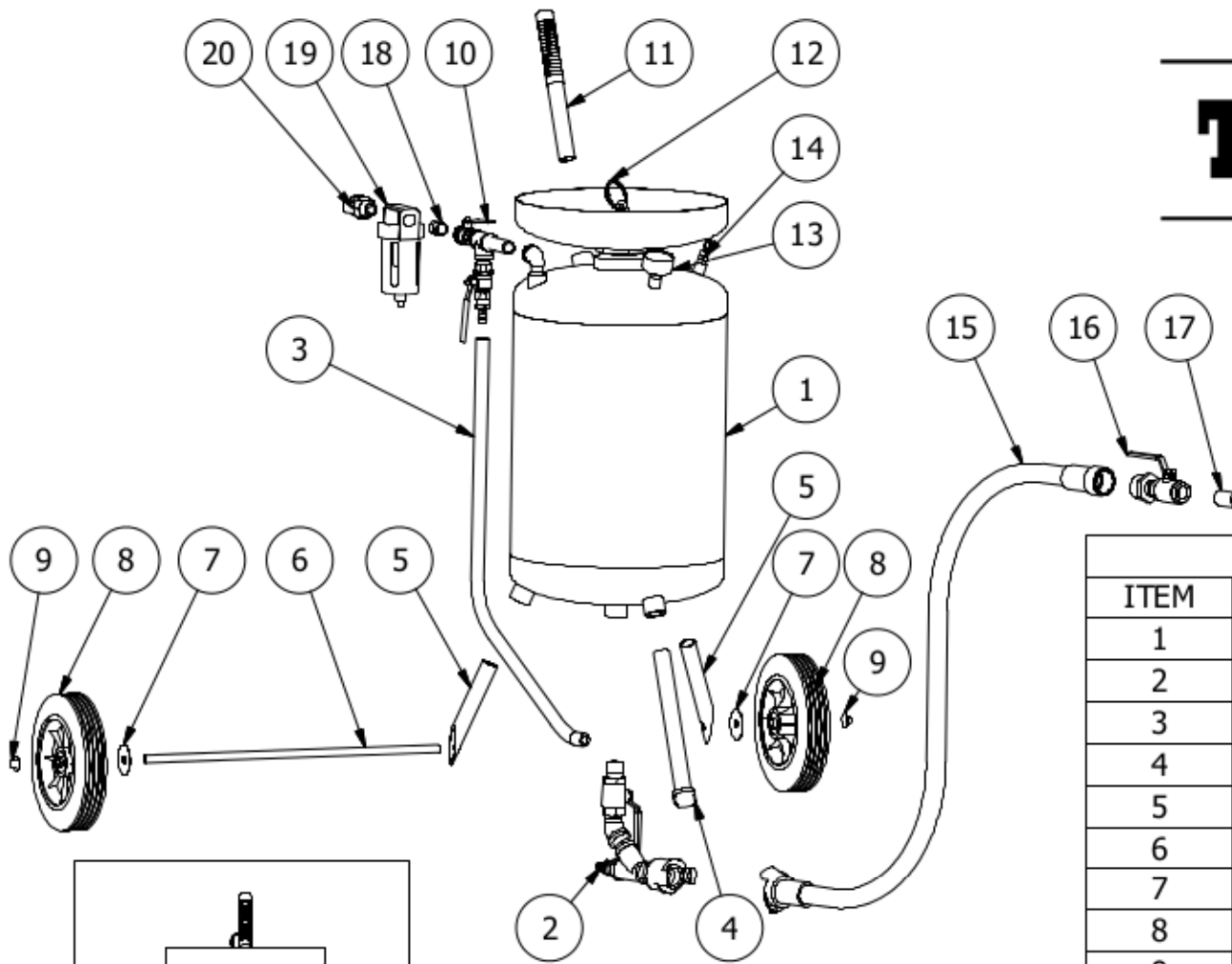
Texas Blaster

[www.texasblaster.com](http://www.texasblaster.com)

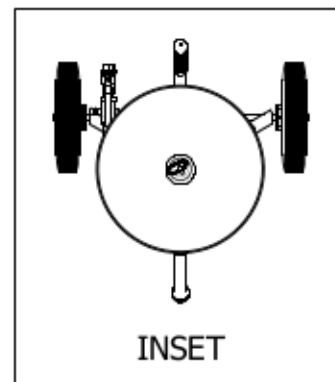
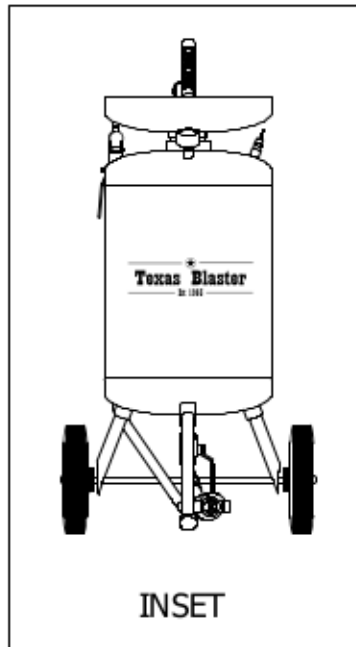
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Est 1963



**EXPLODED VIEW**



PARTS LIST		
ITEM	QTY	DESCRIPTION
1	1	TANK ASSEMBLY
2	1	LOWER ASSEMBLY
3	1	BLOW DOWN HOSE
4	1	LEG
5	2	STRUT
6	1	AXLE
7	2	WASHER 1/2 X 2
8	2	WHEEL
9	2	AXLE CAP
10	1	UPPER ASSEMBLY
11	1	HANDLE
12	1	PULL UP
13	1	GAUGE
14	1	POP-OFF 125psi
15	1	BLAST HOSE (LENGTH VARIES)
16	1	NOZZLE HOLDER ASSEMBLY (NHA)
17	1	NOZZLE
18	1	NIPPLE 1/2IN CLOSE (OPTIONAL)
19	1	WATER SEPERATOR (OPTIONAL)
20	1	CROWS FOOT (OPTIONAL)