



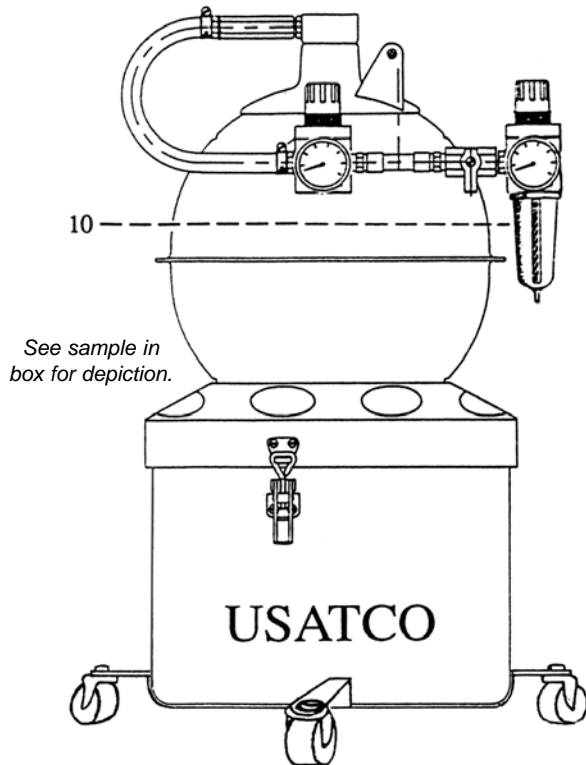
Operation & Care of USATCO Spot Blaster 48-RJ32R



Toll Free Nationwide & Canada: **800-645-8180**

USATCO\U.S. AIR TOOL COMPANY, INC. www.USATCO.com NEW YORK • CALIFORNIA

The USATCO Spot Blaster



SPARE BAGS AVAILABLE

38-217Pack of Five (5)

BLAST MEDIA AVAILABLE IN 50 LB. BAGS

48-9010430/40 Plastic Media

48-90105100/200 Micron Glass Beads

48-90106120/220 Grit Aluminum Oxide

48-9010880/120 Grit Aluminum Oxide

Please contact us if you have any questions regarding the operation of this product.

An effective weapon against rust and corrosion!

This extremely useful device can be used in almost every industry and government service. Aviation, automotive repair and restoration, engine overhaul (jet, reciprocating, automotive & marine), oil fields, refineries, etc..

Introduction

Every trace of rust or corrosion must be removed. No amount of filler or paint can prevent any corrosion or rust that is left from returning.

With the USATCO Spot Blaster you can quickly and easily remove all the rust or corrosion without dust and blasting abrasive being spread around the workshop and into worked area. Blasting gets down deep to the root of the rust or corrosion. The Spot Blaster is an essential complement to the sander.

The USATCO Spot Blaster is supplied with different suction nozzles, which give a tight seal against all the corners and edges on the worked area. By choosing the right nozzle you avoid dust from blasting.

Suggestion: *Small paint chips are covered with transparent tape and blasted using the smallest suction nozzle. After blasting the area is easily brush spotted.*

Installation

On one end of the ball valve there is a 1/4" connection for the filter pressure regulator and gauge. The inner diameter of the compressed air hose and connectors must be at least 10mm (3/8"), and the hose should be as short as possible in order to reduce pressure losses.

Air pressure of 90-150 psi (0,6-1,0 MPa) is required. If the blasting effect is insufficient, the pressure should be checked at the connection while blasting.

During continuous blasting the pistol requires 27 cfm (750 l/min). During normal blasting with breaks, average air consumption falls to 12 cfm (350 l/min).

Fill the holder half full with media. Particle size should be 0,01-0,03" (0,2-0,7mm). **Never use quartz sand!** We suggest using glass or plastic beads (ask us for information regarding the various types and sizes available).

Before using, fasten grounding cable to minimize static electricity. This is especially important in a spark free environment. (see page 5)

Instructions for Use

Always use protective goggles and gloves. The abrasive can injure unprotected skin. Also, be sure to fasten grounding cable at section being blasted.

Select the suction nozzle which best suits the surface to be blasted. Press the pistol and nozzle at a right angle to the surface, so that the nozzle covers the spot. Blast away at the spot and then move the pistol to the next location. Blasting while moving the pistol can result in abrasive shooting out and in greater wear on the suction nozzles. Never blast over a hole. This can damage material behind. It will also fill the space with blasting medium.

Regularly check and clean the strainer (8) and if necessary change the filter bag (9), as well as draining the compressed air moisture trap and filter (10).

Notice: The Spot Blaster has an injector and valve system, patent applied for. When compressed air is connected, a gentle jet of air keeps the injector free from dust. Disconnect air when blasting is finished.

Trouble Shooting

If the blasting is insufficient, check the following:

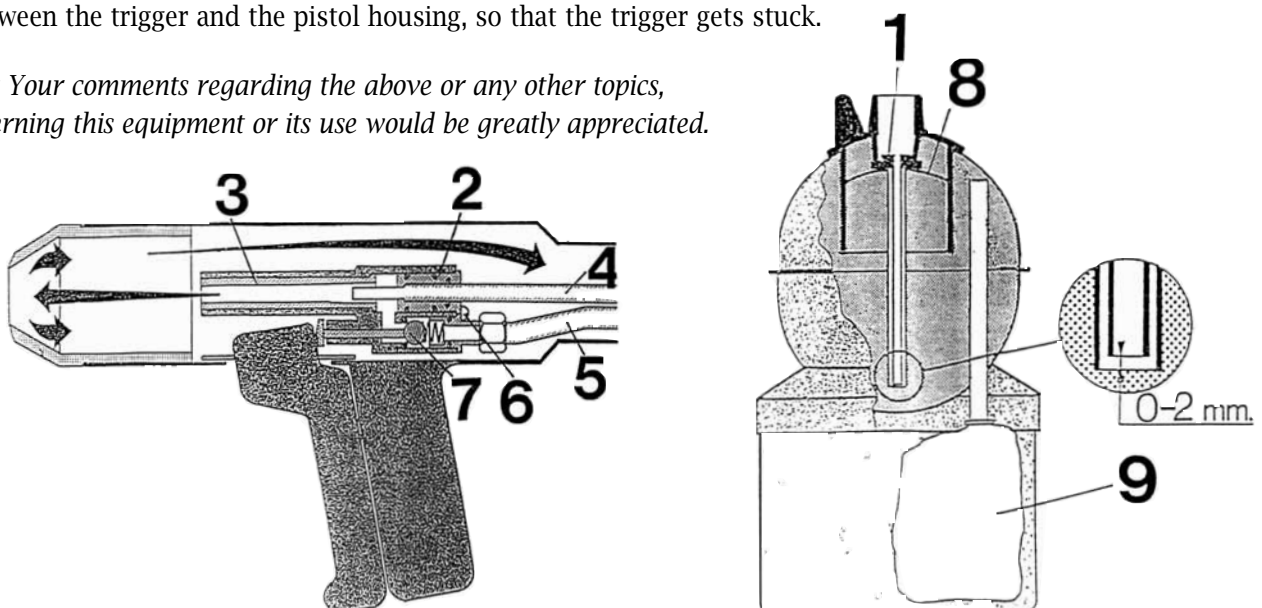
- That there is enough blasting medium, and that its not worn out.
- That the V-Ring (1) forms a seal against the connector. Press the connector down while turning.
- That the air filter and moisture trap are clean.
- That air pressure at the connector is sufficient, even when blasting.
- That the air injector nozzle (2) and the blaster medium nozzle (3) are not worn out and that there is no dust between these nozzles.

The blasting pistol must be taken apart for this check. Remove the suction nozzle and undo the four screws on the sides of the pistol and the trigger. Grasp the blasting nozzle with pliers and pull out. Grasp the blasting hose (4) and the air hose (5). Undo the two screws (6). Pull out the upper injector nozzle (2) and shake out any dirt. Inspect the nozzle for wear. If the hose (5) connector is pulled out, the valve (7) can be checked. Take care not to drop the cone of the valve, spring or pressure pin.

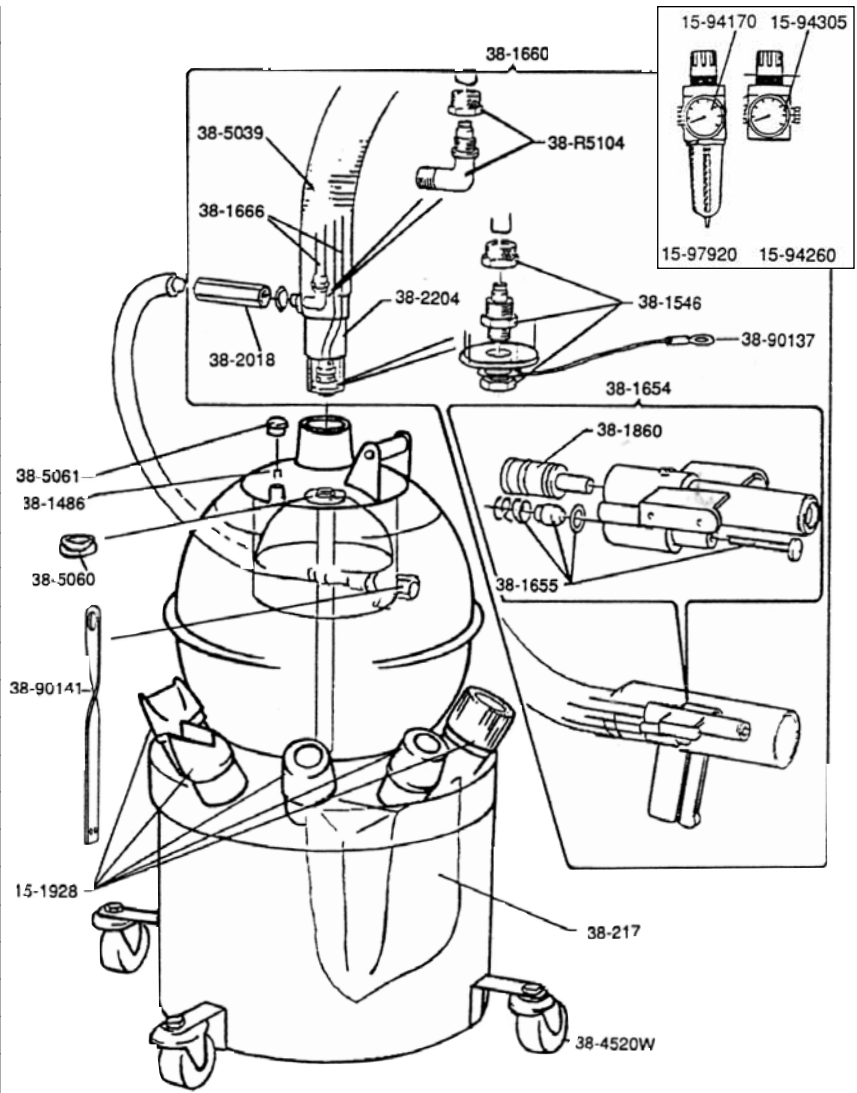
If there is not enough suction, check the following:

- That the strainer (8) isn't clogged. Unscrew, turn upside down and shake out.
- That the filter bag isn't full.
- If the suction is too weak, blasting abrasive can be pressed into the space between the trigger and the pistol housing, so that the trigger gets stuck.

Note: Your comments regarding the above or any other topics, concerning this equipment or its use would be greatly appreciated.

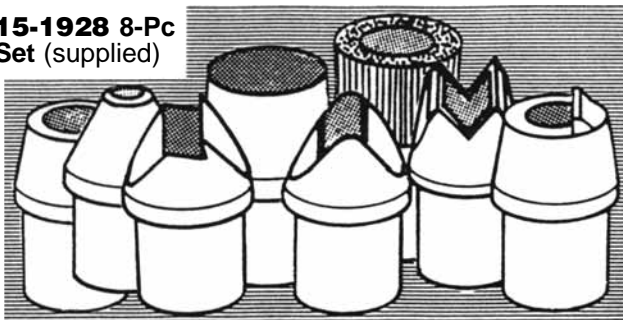


Part No.	Description
38-5060	V-Ring
38-1486	Container Top
38-5061	Container Nut
15-1928	Nozzle Set (8 pcs.)
38-4520W	4 Wheel Assembly
38-217	Replacement Bags (5)
38-1655	Pistol Valve Set
38-1860	Injector
38-1654	Nozzle Assembly
38-1546	Hose Coupling
38-90137	Internal Ground Strap
38-2204	Hose Coupling
38-2018	Filter
38-1666	Inner Hose Assembly
38-5039	Suction Hose
38-R5104	Coupling
38-1660	Pistol Assembly
15-1653	Flex Brush Set (3 pcs.)
15-97920	Filter Regulator
15-94260	Regulator
15-94170	Gauge
15-94305	Gauge
38-90141	Bracket
38-90138	External Ground Strap
38-90139	Regulator Spacer Ring
38-90140	5/32 Blind Pop Rivet (2)
15-7999	3/8-1/4 Reducer
15-8204	1/4-1/4 Fitting

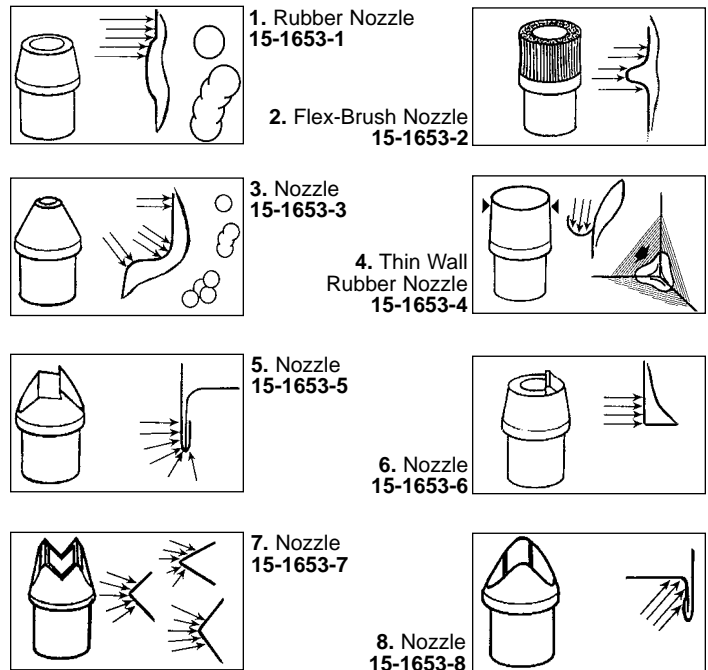
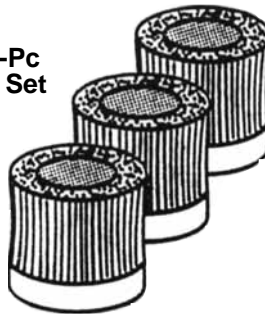


Replacement Nozzles

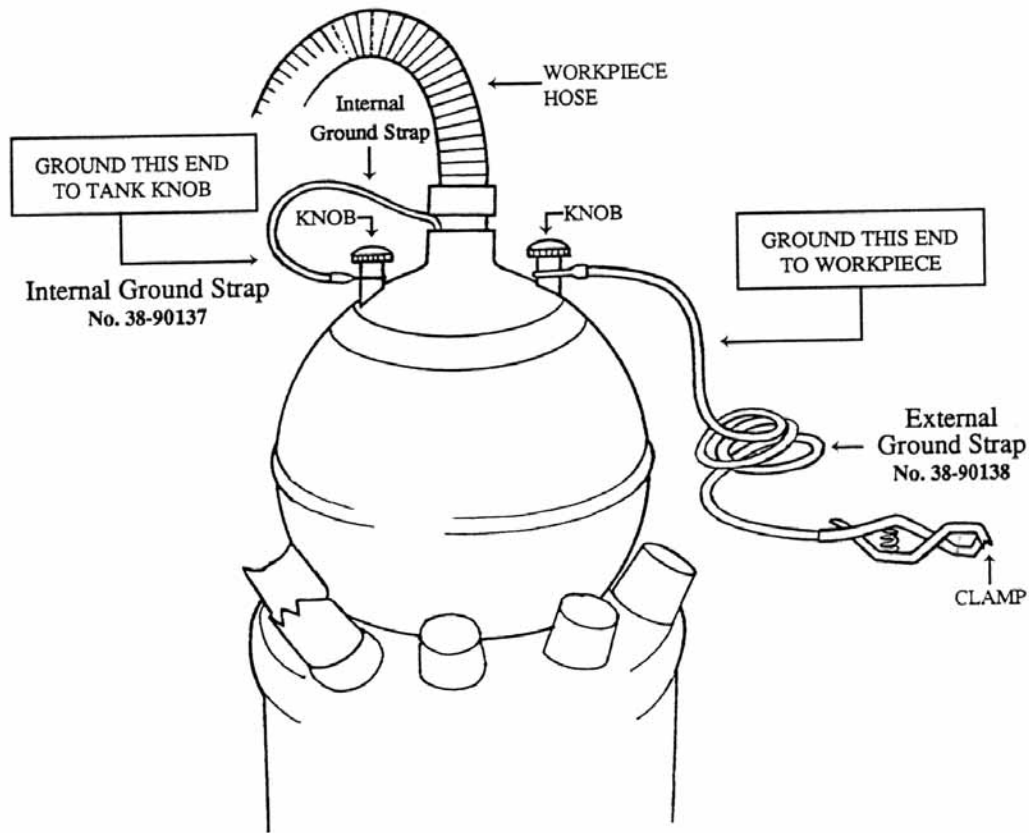
15-1928 8-Pc Set (supplied)



15-1653 3-Pc Flex Brush Set



Caution!



The USATCO Spot Blaster must be grounded to workpiece in order to prevent buildup of static electricity and possible danger when working in the vicinity of flammable liquids or combustible material.

Both ground straps must be attached to knobs as illustrated above.



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