

# **Grizzly** **Industrial, Inc.**®

## **MODEL T23092 HIGH-PRESSURE SPRAY GUN OWNER'S MANUAL**

*(For models manufactured since 01/22)*



COPYRIGHT © APRIL, 2011 BY GRIZZLY INDUSTRIAL, INC., REVISED FEBRUARY, 2022 (MN)

**WARNING: NO PORTION OF THIS MANUAL MAY BE REPRODUCED IN ANY SHAPE  
OR FORM WITHOUT THE WRITTEN APPROVAL OF GRIZZLY INDUSTRIAL, INC.**

#TS14062 PRINTED IN CHINA

V2.02.22

**\*\*\*Keep for Future Reference\*\*\***



## **WARNING!**

This manual provides critical safety instructions on the proper setup, operation, maintenance, and service of this machine/tool. Save this document, refer to it often, and use it to instruct other operators.

Failure to read, understand and follow the instructions in this manual may result in fire or serious personal injury—including amputation, electrocution, or death.

The owner of this machine/tool is solely responsible for its safe use. This responsibility includes but is not limited to proper installation in a safe environment, personnel training and usage authorization, proper inspection and maintenance, manual availability and comprehension, application of safety devices, cutting/sanding/grinding tool integrity, and the usage of personal protective equipment.

The manufacturer will not be held liable for injury or property damage from negligence, improper training, machine modifications or misuse.



## **WARNING!**

Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

- Lead from lead-based paints.
- Crystalline silica from bricks, cement and other masonry products.
- Arsenic and chromium from chemically-treated lumber.

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals: Work in a well ventilated area, and work with approved safety equipment, such as those dust masks that are specially designed to filter out microscopic particles.

# SECTION 1: SAFETY

## **WARNING**

### **For Your Own Safety Read Instruction Manual Before Operating This Equipment**

The purpose of safety symbols is to attract your attention to possible hazardous conditions. This manual uses a series of symbols and signal words which are intended to convey the level of importance of the safety messages. The progression of symbols is described below. Remember that safety messages by themselves do not eliminate danger and are not a substitute for proper accident prevention measures.

 **DANGER** Indicates an imminent hazardous situation which, if not avoided, **WILL** result in death or serious injury.

 **WARNING** Indicates a potentially hazardous situation which, if not avoided, **COULD** result in death or serious injury.

 **CAUTION** Indicates a potentially hazardous situation which, if not avoided, **MAY** result in minor or moderate injury. It may also be used to alert against unsafe practices.

**NOTICE** This symbol is used to alert the user to useful information about proper operation of the equipment.

## **WARNING**

### **Safety Instructions for Spray Guns**

**OWNER'S MANUAL.** This gun may cause personal injury if used incorrectly. This manual contains proper safety and operating instructions that must be followed to reduce this risk.

**EYE PROTECTION.** Material sprayed into eyes may cause serious injury or blindness. Always wear safety goggles ANSI approved for spraying (sealing type) to reduce your risk from this hazard.

**HAZARDOUS PARTICLES.** Airborne particles and fumes are toxic and can cause brain damage or death. To reduce your risk, only use the spray gun in a well ventilated area with adequate supply of fresh air.

**WEARING A RESPIRATOR.** Airborne material from spraying can be very hazardous to lungs. Always wear a NIOSH-approved respirator for spraying and fumes of your material type; or use a supplied air respirator system that delivers fresh air from an outside location via hoses.

**HEARING PROTECTION.** Pressurized spray guns or hoses may burst unexpectedly if damaged or poorly maintained, causing serious injury. Fix air leaks immediately and follow all recommended maintenance. Never operate this spray gun with loose or disassembled components. Never modify the spray gun.

## **WARNING**

**USE CORRECT AIR PRESSURE.** Exceeding the maximum PSI rating of this spray gun may cause unpredictable operation or bursting.

**DISCONNECT AIR PRESSURE.** Before servicing, changing accessories, or moving to another location. Never leave this spray gun unattended when connected to air.

**AVOID IGNITION SOURCES.** Spraying around ignition sources may cause fire or an explosion. Do not spray around any ignition sources or potential ignition sources. Be aware of appliances that have pilot lights or machinery that creates sparks during operation. Do not smoke in the spraying area or when spraying.

**BE AWARE OF HOSE LOCATION.** Hoses can easily become a tripping hazard when laid across the floor in a disorganized fashion.

**AVOID UNINTENTIONAL OPERATION.** Always disconnect air when not in use, and do not carry tool with hand on trigger.

**KEEP CHILDREN AWAY.** Prevent children from injury by keeping them away from this spray gun. Disconnect and lock the spray gun away when not in use.

**AVOID USE WHEN TIRED OR ON DRUGS OR ALCOHOL.** Avoid using this spray gun if you are overly tired or intoxicated. Using this spray gun during these times may increase the risk of injury or fire.

**UNTRAINED & UNSUPERVISED USE.** Untrained operators are not aware of the safe use of this spray gun and may injure themselves or cause fire. All untrained operators must be directly supervised at all times if using this spray gun.

**READ MATERIAL LABELS and MATERIAL SAFETY DATA SHEETS (MSDS).** Read and know all the instructions on the packaging label and the MSDS before opening the package. This information could save your life.

**PROTECTIVE CLOTHING.** Protect exposed skin from overspray by wearing a protective suit or other approved garment.

**INAPPROPRIATE USE.** DO NOT point or shoot spray gun directly at yourself or another person or animals. Do not attempt to use the spray gun for any other use than it was intended.

**STORAGE.** Thoroughly clean and dry spray gun before storage. Store in an approved cabinet.

**FIRE EXTINGUISHERS.** Always have a fully charged multi-class or class B fire extinguisher in the immediate area.

**SOLVENTS.** Always store solvents and shop towels soaked in solvent in approved containers.

**LOCAL LAWS.** Consult local authorities regarding exhaust and waste disposal requirements.

## **CAUTION**

**No list of safety guidelines can be complete. Every shop environment is different. Always consider safety first, as it applies to your individual working conditions. Use this and other machinery with caution and respect. Failure to do so could result in serious personal injury, damage to equipment or poor work results.**

# SECTION 2: INTRODUCTION

---

---

## Foreword

---

---

We are proud to offer this manual with your new spray gun! We've made every effort to be exact with the instructions, specifications, drawings, and photographs we used when writing this manual. However, sometimes we still make an occasional mistake.

Also, owing to our policy of continuous improvement, your spray gun may not exactly match the manual. If you find this to be the case, and the difference between the manual and spray gun leaves you in doubt, check our website for the latest manual update or call technical support for help.

For your convenience, we post all available manuals and manual updates for free on our website at [www.grizzly.com](http://www.grizzly.com). Any updates to your model of machine will be reflected in these documents as soon as they are complete.

## Contact Info

---

---

We stand behind our tools. If you have any service questions, parts requests or general questions about the tool, please call or write us at the location listed below.

Grizzly Technical Support  
1815 W. Battlefield  
Springfield, MO 65807  
Phone: (570) 546-9663  
E-Mail: [techsupport@grizzly.com](mailto:techsupport@grizzly.com)

We want your feedback on this manual. If you can take the time, please email or write to us at the address below and tell us how we did:

Grizzly Industrial, Inc.  
C/O Technical Documentation Manager  
P.O. Box 2069  
Bellingham, WA 98227-2069  
Email: [manuals@grizzly.com](mailto:manuals@grizzly.com)

## Specifications

---

---

Type of Feed .....	Siphon
Viscosity Range.....	Medium to High
Waterborne Material Compatible.....	No
Nozzle Size .....	2mm
Maximum Pattern Width .....	9 in.
Air Inlet Size .....	1/4" NPT
Fluid Cup Capacity .....	1 Liter
Average Air Consumption .....	6 - 8.8 CFM
Operating Air Pressure.....	44 - 58 PSI
Cup Construction.....	Aluminum
Gun Body Construction .....	Painted Metal

# Identification

Become familiar with the names and locations of the controls and features shown below to better understand the instructions in this manual.

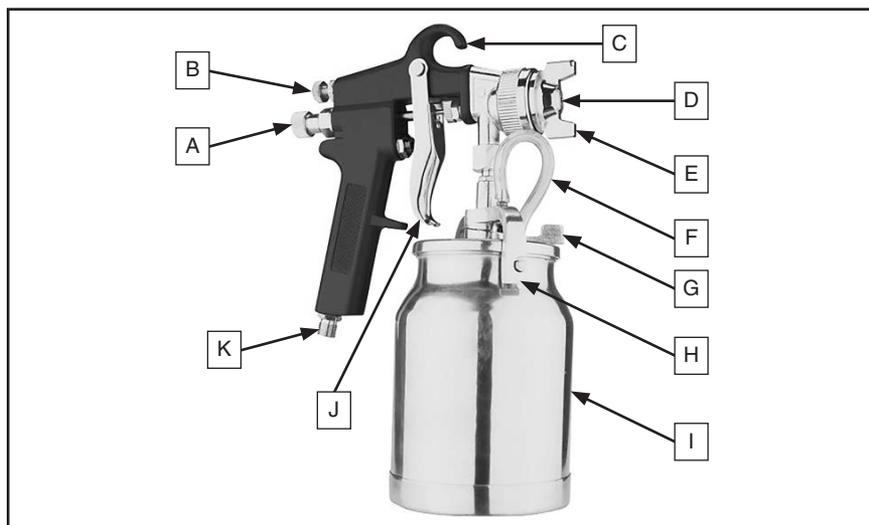


Figure 1. Model T23092 identification and controls.



- A. Fluid Control:** Controls volume of material that travels through fluid nozzle and past atomizer cap.
- B. Pattern Control:** Adjusts spray output between round pattern and wide fan.
- C. Storage Hook:** Allows spray gun to be temporarily stored in a vertical position to avoid material spills.
- D. Atomizing Cap:** Atomizes material as it is sprayed from nozzle. Adjusts for horizontal or vertical spray patterns.
- E. Fluid Nozzle:** Sprays material past atomizer cap.
- F. Vacuum Relief Hose:** Allows air to flow into fluid cup as needed to prevent vacuum buildup.
- G. Fluid Cup Lock Lever:** Releases/engages pressure between cup hooks and pins.
- H. Cup Hook & Pin:** Secures lid assembly to cup when pressure is applied by lock lever.
- I. Fluid Cup:** Holds material to be sprayed.
- J. Two-Stage Trigger:** Stage one releases compressed air for blowing off workpiece. Stage two sprays material. Lightly squeeze trigger for stage one; squeeze trigger all the way to spray material.
- K. Air Inlet:** ¼" NPT connection for compressed air hose.

# SECTION 3: SETUP

---

---

## Unpacking

---

---

This tool was carefully packaged for safe transport. When unpacking, separate all enclosed items from packaging materials and inspect them for shipping damage.

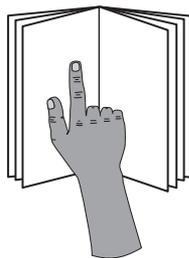
***If items are damaged, please call us immediately at (570) 546-9663.***

**IMPORTANT:** Save all packaging materials until you are completely satisfied with the tool and have resolved any issues between Grizzly or the shipping agent. *You MUST have the original packaging to file a freight claim. It is also extremely helpful if you need to return the tool later.*

### CAUTION

Like all tools there is potential danger when operating this tool. Accidents are frequently caused by lack of familiarity or failure to pay attention. Use this tool with respect and caution to decrease the risk of operator injury. If normal safety precautions are overlooked or ignored, serious personal injury may occur.

### WARNING



**This tool presents serious injury hazards to untrained users. Read through this entire manual to become familiar with the controls and operations before starting the tool!**

## Inventory

The following is a list of items shipped with your tool. Before beginning setup, lay these items out and inventory them.

If any non-proprietary parts are missing (e.g. a nut or a washer), we will gladly replace them; or for the sake of expediency, replacements can be obtained at your local hardware store.

### **NOTICE**

**If you cannot find an item on this list, carefully check around/inside the tool and packaging materials. Often, these items get lost in packaging materials while unpacking or they are pre-installed at the factory.**

Box 1 (Figure 2)	Qty
A. Fluid Cup.....	1
B. Spray Gun Body .....	1
C. Multi-Wrench (not shown).....	1

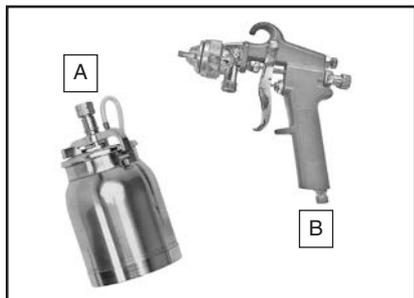


Figure 2. Inventory.

## Assembly

Prior to assembly and use of the spray gun, it is essential that all parts be thoroughly cleaned and dried. Please refer to **Cleaning on Page 12** for more detailed instructions.

Make sure all connections are tight enough to prevent air leaks but not so tight as to damage the tool.

Attach the gun body to the fluid cup assembly, as shown in **Figure 3**. Make sure the connection is tight to prevent leaks.

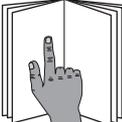


Figure 3. Example of attaching spray gun body to fluid cup.

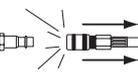
### **NOTICE**

**For the best results, use a hose that will be dedicated for spray use only. Do not use a hose that has been used with an in-line oiler or other possible contaminant. Always install an air pressure regulator between the air hose and the gun.**

# SECTION 4: OPERATIONS

	<p><b>⚠ WARNING</b> To reduce your risk of serious injury, read this entire manual <b>BEFORE</b> using machine.</p>
---	---

<p><b>⚠ WARNING</b> To reduce risk of eye injury from paint spray or lung damage from breathing dust, always wear safety goggles and a NIOSH-approved respirator when operating this tool.</p>	
	

<p><b>⚠ WARNING</b></p>	
	<p><b>INJURY HAZARD!</b> Disconnect tool from air to prevent unexpected operation during service.</p>
	<p><b>INJURY HAZARD!</b> Never exceed max PSI rating for tool.</p>
	<p><b>EXPLOSION HAZARD!</b> Do not spray flammable fluids near open flame or ignition source.</p>
	<p><b>TOXIC FUME HAZARD!</b> Always use an approved spray booth or well-ventilated area when spraying to avoid breathing toxic vapors.</p>

## Spraying

The Model T23092 high-pressure spray gun is designed to spray a wide variety of materials, such as lacquers, stains, primers, multi-component paints, clear coats, acrylics, epoxies, etc. It is ideal for auto body and woodworking projects. This spray gun is not designed to be used with waterborne materials.

### To operate spray gun:

1. DISCONNECT SPRAY GUN FROM AIR!
2. Read and follow material manufacturer's instructions for spraying, mixing, safety, disposal, and any other instruction on the label or Material Safety Data Sheet (MSDS).
3. Move cup lock lever against vacuum hose connection to release pressure between cup hooks and pin—this will disengage cup lid from cup.

## NOTICE

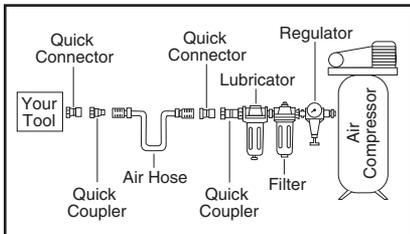
If you are not experienced with this type of tool, **WE STRONGLY RECOMMEND** that you seek additional training outside of this manual. Read books/magazines or get formal training before beginning any projects. Regardless of the content in this section, Grizzly Industrial will not be held liable for accidents caused by lack of training.

4. Fill fluid cup with desired material, then place it on a flat, stable surface.
5. Move lock lever against vacuum relief hose connection, then place cup lid and gun body assembly on cup
6. Engage cup pins with hooks, then rotate lock lever clockwise until lid is firmly secured.

## **CAUTION**

**To ensure the fluid cup does not leak or spill material during the spraying operation, always make sure the cup is securely sealed to the lid with both pins fully engaged with the hooks.**

7. Set inlet air pressure (air coming into spray gun) to lowest operating air pressure recommended in **Specifications** on **Page 3** or to material manufacturer's recommendations.
8. Connect spray gun to compressed air source. To improve tool lifespan and avoid contaminating material with water from air supply lines, use a filter/lubricator/regulator setup, as shown in **Figure 4**.

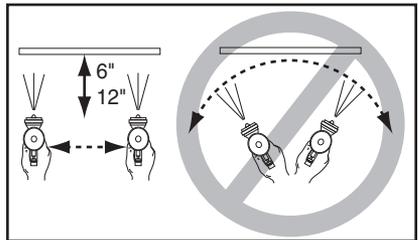


**Figure 4.** Installed filter/lubricator/regulator.

9. Adjust atomizing cap to vertical or horizontal (see **Atomizing Cap Adjustment** on **Page 9**).

**Note:** *Trial and error are necessary to achieve the results you want, as well as a fair amount of practice. Test your material flow and spray pattern on a piece of cardboard or some scrap of material similar to your project.*

10. Adjust fluid control knob to start with a low volume of material, and keep atomization as low as possible. Use a combination of fluid control, inlet air pressure, air flow control, and stroke speed to achieve desired results. Spray so material wets out nicely without running or sagging.
11. Use pattern control knob to adjust spray fan to desired pattern.
12. Keep gun tip perpendicular, parallel and 6"–12" from workpiece at all times when spraying (see **Figure 5**.) Do not allow your wrist to bend. This will cause gun to arc across surface and distribute material unevenly, possibly creating sags and dry spots.

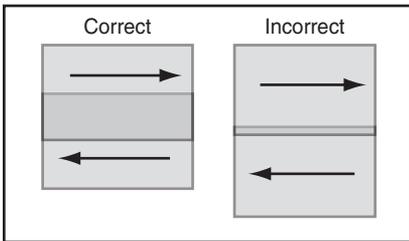


**Figure 5.** Spraying technique.

## **NOTICE**

**Tipping the spray gun may cause material to spill out of the cup. Always hold the spray gun parallel to the ground to avoid potential spills and feed problems.**

13. Begin spraying 2"–3" in front of workpiece and continue motion for a few inches past workpiece until ready for return stroke.
14. Maintain an even speed when spraying, and overlap each stroke by 50%. This will ensure even coverage, as shown on left in **Figure 6**. Overlapping less than 50%, as shown on right in **Figure 6**, may lead to missed spots or streaky results.

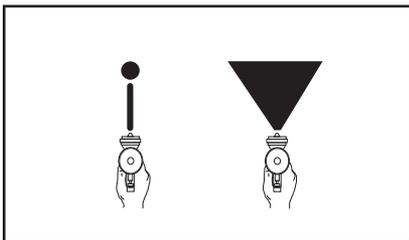


**Figure 6.** Overlapping technique.

15. Spray stroke should have even consistency and parallel edges. If it does not, refer to **Troubleshooting** on **Page 14**.

## Pattern Control

The pattern control knob on the rear of the gun body controls the spray output, from a round pattern to a wide fan, as illustrated in **Figure 7**.



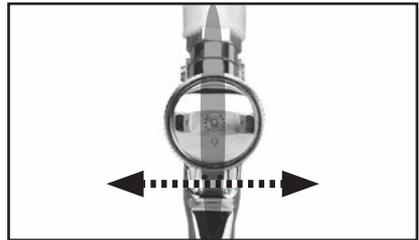
**Figure 7.** Range of spray patterns.

## Atomizing Cap Adjustment

To ensure good spraying results, the atomizing cap must be correctly oriented for the direction of the stroke pattern—either horizontal or vertical.

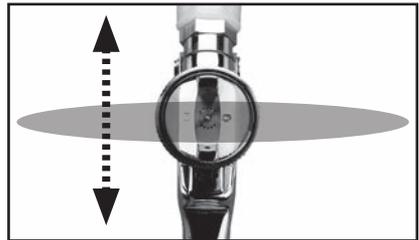
Spraying in the wrong direction may lead to material buildup on the atomizing cap horn. Many performance problems are caused by clogged atomizing holes. In this case, clean the spray gun (see **Cleaning** on **Page 12**).

If the stroke pattern is side to side, the horns of the atomizing cap must be arranged horizontally, as shown in **Figure 8**.



**Figure 8.** Atomizing cap set up for side-to-side stroke pattern (front view).

Conversely, if the stroke pattern is up and down, the atomizing cap horns should be vertical, as shown in **Figure 9**.



**Figure 9.** Atomizing cap set up for up-and-down stroke pattern (front view).

# SECTION 5: ACCESSORIES

## **⚠ WARNING**

Installing unapproved accessories may cause tool to malfunction, resulting in serious personal injury or tool damage. To reduce this risk, only install accessories recommended for this tool by Grizzly.

## **NOTICE**

Refer to our website or latest catalog for additional recommended accessories.

### **G6261—Campbell Hausfeld™ Water Filter**

Remove damaging water vapor before it reaches your spray gun. This highly effective, 5-micron filter features a see-through bowl and easy in-line connections. 21 SCFM flow capacity @ 90 PSI. 1/4" NPT.



**Figure 10.** G6261 Campbell Hausfeld™ Water Filter.

### **H7274—Campbell Hausfeld™ Compact Pressure Regulator**

Mini Series. Provides regulated output pressure of 0–125 PSI for proper tool operation. Locking pressure knob prevents accidental adjustments. Includes 0–60 PSI pressure gauge. 15 SCFM flow capacity @ 90 PSI. 1/4" NPT.



**Figure 11.** H7274 Campbell Hausfeld™ Pressure Regulator.

### **H2499—Small Half-Mask Respirator**

### **H3631—Medium Half-Mask Respirator**

### **H3632—Large Half-Mask Respirator**

### **H3635—Cartridge Filter Pair P100**

If you work around dust everyday, a half-mask respirator can be a lifesaver. Also compatible with safety glasses!



**Figure 12.** Half-mask respirator with disposable cartridge filters.

**order online at [www.grizzly.com](http://www.grizzly.com) or call 1-800-523-4777**

**T32339—GrizzlyPRO 20-Gallon, 2HP, Portable Air Compressor**

The T32339 features a tank pressure gauge, output pressure gauge, a quick connect, and overload protection. It comes with oversized no-flat wheels for increased mobility. The 2 HP motor operates with a maximum pressure of 135 PSI. The compressor delivers 6.0 CFM at 90 PSI and 7.2 CFM at 40 PSI. The motor is prewired for 110V, but it can be converted to 220V.



**Figure 13.** T32339 GrizzlyPRO Air Compressor.

**G8110—1/4" NPT x 50' PVC Air Hose**

This PVC air hose is designed to be oil, kink, abrasion, ozone, and weather resistant. Rated for 200 PSI. 1/4" NPT. Made in the USA.



**Figure 14.** G8110 PVC Air Hose.

**T20887—Campbell Hausfeld™ Air Accessory Kit, 25-Pc.**

Includes blowgun, safety nozzle, (2) tapered inflation nozzles, (2) inflation needles, PTFE thread sealant tape, rubber blowgun tip, female tire chuck, dual foot air chuck, pencil tire gauge, coupler, (6) plugs 1/4" NPT (M), (2) male couplings, (2) female couplings, and (2) plugs 1/4" NPT (F).



**Figure 15.** T20887 Campbell Hausfeld™ Air Accessory Kit.

**order online at [www.grizzly.com](http://www.grizzly.com) or call 1-800-523-4777**

# SECTION 6: MAINTENANCE

## **⚠ WARNING**



To reduce the risk of injuries from compressed air explosion, always disconnect the air line before performing maintenance or service.

## Cleaning

Properly cleaning the spray gun helps to ensure good spraying results and long gun life. Always thoroughly clean the spray gun after each use.

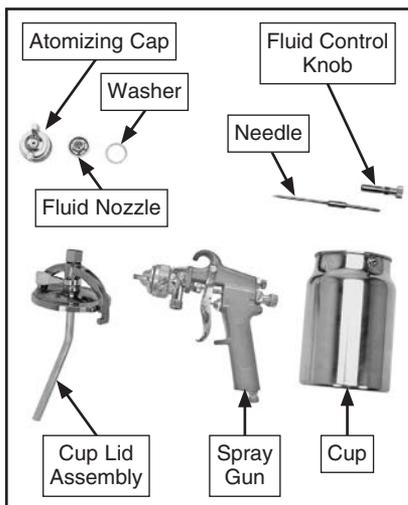
### To clean spray gun:

1. Spray a small amount of cleaning solvent through gun.

**Note:** Check with local laws regarding this practice. If you are spraying on a regular basis, spraying solvents into the air may be illegal. A cabinet-style spray gun cleaner may be required.

2. DISCONNECT SPRAY GUN FROM AIR!

3. Remove cup and cup lid, then disassemble spray gun by unscrewing fluid control knob and removing spring and needle (see **Figure 16**).
4. Unscrew atomizing cap with your fingers, then remove fluid nozzle with a wrench. The fully disassembled gun should look like **Figure 16**.



**Figure 16.** Spray gun disassembled for cleaning.

## **⚠ WARNING**

**EXPLOSION HAZARD!** Chlorinated Solvents like 1,1,1-Trichloroethane and Methylene Chloride (methyl chloride) can chemically react with aluminum and may explode. Many parts in spray guns are made of aluminum. Read solvent label carefully before using solvent.

- Rinse these parts thoroughly in solvent, then dry with compressed air or let air dry.

## NOTICE

**DO NOT** soak spray gun body in solvent. Prolonged exposure to solvent will rapidly deteriorate spray gun washers and seals.

**Note:** If small holes in atomizing cap become blocked, soak cap in clean solvent. If blockage still exists, clear blockage with a small needle, taking great care to not enlarge or damage the hole. Damage to hole will create a disrupted spray pattern.

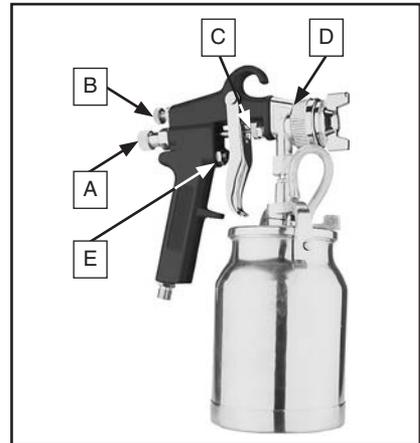
- Use an old tooth brush and solvent to clean inner orifice and other hard-to-reach areas on outside of gun body.
- Wipe gun body dry with a lint-free shop towel.

## Lubrication

Lubricate the following areas shown in **Figure 17** with a non-silicone spray gun lubricant after each cleaning.

- Fluid Control Knob
- Pattern Control
- Air Valve Packing
- Atomizing Cap Threads
- Trigger Pin

Allow the lubricant to coat the threads and run into the gun body to lubricate all the moving parts and seals.



**Figure 17.** Lubrication locations.

# SECTION 7: SERVICE

## Troubleshooting

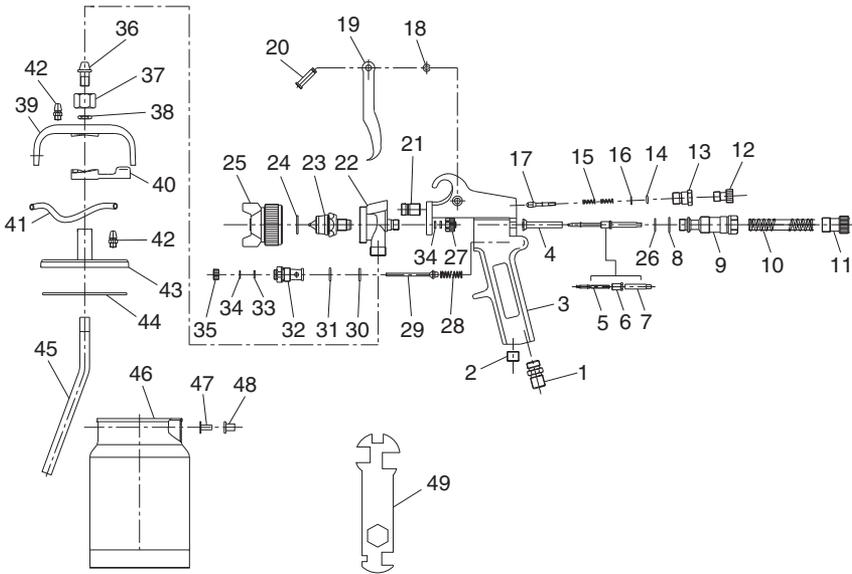
Symptom	Possible Cause	Solution
Fluttering or spitting spray. 	<ol style="list-style-type: none"> <li>1. Dry or worn fluid nozzle seat permits air to seep into fluid passage.</li> <li>2. Material level too low.</li> <li>3. Fluid nozzle obstructed.</li> <li>4. Dry needle packing.</li> </ol>	<ol style="list-style-type: none"> <li>1. Tighten fluid tip or replace seat with new one.</li> <li>2. Add material.</li> <li>3. Clean.</li> <li>4. Lubricate needle.</li> </ol>
Uneven top or bottom pattern. 	<ol style="list-style-type: none"> <li>1. Atomizing cap holes are obstructed.</li> <li>2. Buildup on top or bottom of fluid nozzle.</li> <li>3. Buildup on atomizing cap or on needle seat.</li> </ol>	<ol style="list-style-type: none"> <li>1. Clear holes.</li> <li>2. Clean.</li> <li>3. Clean.</li> </ol>
Right or left arc pattern. 	<ol style="list-style-type: none"> <li>1. Left or right side horn holes are plugged.</li> <li>2. Build-up on left or right side of fluid tip.</li> <li>3. Build-up of material inside atomizing cap.</li> </ol>	<ol style="list-style-type: none"> <li>1. Clear holes.</li> <li>2. Clean.</li> <li>3. Clean.</li> </ol>
Heavy deposit of material in center. 	<ol style="list-style-type: none"> <li>1. The material flow exceeds the atomizing cap capacity.</li> <li>2. Inlet air pressure is too low.</li> <li>3. Material is too thick.</li> </ol>	<ol style="list-style-type: none"> <li>1. Lower fluid flow.</li> <li>2. Increase inlet air pressure.</li> <li>3. Thin material.</li> </ol>
Narrow center pattern. 	<ol style="list-style-type: none"> <li>1. Fluid control turned in too far.</li> <li>2. Inlet air pressure too high.</li> <li>3. Fluid pressure is too low.</li> <li>4. Material is too thin.</li> </ol>	<ol style="list-style-type: none"> <li>1. Lower fluid flow.</li> <li>2. Reduce inlet air pressure.</li> <li>3. Increase fluid pressure.</li> <li>4. Adjust material.</li> </ol>
Gun leaks from fluid nozzle.	<ol style="list-style-type: none"> <li>1. Debris will not let needle seat with fluid nozzle.</li> </ol>	<ol style="list-style-type: none"> <li>1. Clean or replace both.</li> </ol>

<b>Symptom</b>	<b>Possible Cause</b>	<b>Solution</b>
No spray output.	<ol style="list-style-type: none"> <li>1. No pressure at gun.</li> <li>2. Fluid passages dirty.</li> <li>3. Fluid control closed.</li> <li>4. Out of paint.</li> <li>5. Material too thick.</li> </ol>	<ol style="list-style-type: none"> <li>1. Check air supply.</li> <li>2. Clean gun, remove any obstructions.</li> <li>3. Open.</li> <li>4. Refill.</li> <li>5. Thin to manufacturer's recommendations.</li> </ol>
Excessive over-spray.	<ol style="list-style-type: none"> <li>1. Fluid pressure too high.</li> <li>2. Gun is too far from surface.</li> <li>3. Spraying too fast.</li> </ol>	<ol style="list-style-type: none"> <li>1. Reduce fluid pressure.</li> <li>2. Keep gun at recommended distance.</li> <li>3. Slow down and maintain consistent, even, parallel stroke.</li> </ol>
Unable to control spray fan.	<ol style="list-style-type: none"> <li>1. Pattern adjustment screw is not seating properly.</li> <li>2. Atomizing cap is loose.</li> </ol>	<ol style="list-style-type: none"> <li>1. Clean or replace.</li> <li>2. Tighten atomizing cap.</li> </ol>
Runs and sags.	<ol style="list-style-type: none"> <li>1. Damaged seal.</li> <li>2. Too much fluid output.</li> <li>3. Keeping gun in one place too long.</li> </ol>	<ol style="list-style-type: none"> <li>1. Replace damaged seal(s).</li> <li>2. Use fluid control to reduce flow.</li> <li>3. Keep gun moving at a steady pace.</li> </ol>
Material leaks from cup.	<ol style="list-style-type: none"> <li>1. Cap not secure.</li> <li>2. Cup not tight on gun body.</li> <li>3. Leaking from cap vent hole.</li> </ol>	<ol style="list-style-type: none"> <li>1. Tighten.</li> <li>2. Tighten.</li> <li>3. Hold gun upright; do not tilt.</li> </ol>
Material leaks from gun.	<ol style="list-style-type: none"> <li>1. Fluid tip loose.</li> <li>2. Dry or damaged seals.</li> <li>3. Excessive pressure.</li> </ol>	<ol style="list-style-type: none"> <li>1. Tighten.</li> <li>2. Replace seals.</li> <li>3. Reduce pressure.</li> </ol>
Thick, dimpled finish: orange peel appearance.	<ol style="list-style-type: none"> <li>1. Holding gun too close to surface.</li> <li>2. Inlet air pressure too low.</li> <li>3. Material not properly mixed.</li> <li>4. Surface is dirty or oily.</li> </ol>	<ol style="list-style-type: none"> <li>1. Spray at recommended distance.</li> <li>2. Check inlet air pressure.</li> <li>3. Follow manufacturer's instructions.</li> <li>4. More surface prep is required.</li> </ol>
Dry spray.	<ol style="list-style-type: none"> <li>1. Inlet air pressure too high.</li> <li>2. Gun too far from surface.</li> <li>3. Gun stroke too fast.</li> </ol>	<ol style="list-style-type: none"> <li>1. Lower inlet air pressure.</li> <li>2. Keep gun at recommended distance.</li> <li>3. Slow down and maintain even, parallel stroke.</li> </ol>
Contaminated paint: fish eye appearance.	<ol style="list-style-type: none"> <li>1. Water or oil in the air line.</li> </ol>	<ol style="list-style-type: none"> <li>1. Install an in-line air filter; replace air line.</li> </ol>

Review the troubleshooting and procedures in this section if a problem develops with your tool. If you need replacement parts or additional help with a procedure, call our Technical Support.

# SECTION 8: PARTS

## Main



REF PART #	DESCRIPTION
1	PT23092001 AIR INLET CONNECTOR 1/4" NPT
2	PT23092002 INLET SCREW
3	PT23092003 GUN BODY
4	PT23092004 NEEDLE HOUSING
5	PT23092005 FLUID ADJUSTMENT NEEDLE
6	PT23092006 NEEDLE SLEEVE
7	PT23092007 SPRING CORE
8	PT23092008 FLAT WASHER 12.5 X 15.7 X 1 PL
9	PT23092009 SPRING HOUSING
10	PT23092010 NEEDLE COMPRESSION SPRING
11	PT23092011 FLUID CONTROL KNOB
12	PT23092012 PATTERN CONTROL KNOB
13	PT23092013 PATTERN NEEDLE SEAT
14	PT23092014 O-RING 2.5 X 2.1
15	PT23092015 PATTERN SPRING
16	PT23092016 FLAT WASHER 3.2 X 6 X 0.5
17	PT23092017 PATTERN NEEDLE
18	PT23092018 EXT RETAINING RING 4MM
19	PT23092019 TRIGGER
20	PT23092020 TRIGGER PIN
21	PT23092021 CONNECTOR SCREW
22	PT23092022 HEAD
23	PT23092023 NOZZLE
24	PT23092024 FLAT WASHER 29 X 36.8 X 5.5 PL
25	PT23092025 ATOMIZING CAP

REF PART #	DESCRIPTION
26	PT23092026 O-RING 8.5 X 1.2
27	PT23092027 DIRECTION SCREW
28	PT23092028 COMPRESSION SPRING 0.8 X 7.3 X 30.2
29	PT23092029 TRIGGER STEM
30	PT23092030 STEM WASHER
31	PT23092031 O-RING 9 X 1.8
32	PT23092032 STEM SEAT
33	PT23092033 FLAT WASHER 2.8 X 8 X 1 FIBER
34	PT23092034 O-RING 2 X 1.5
35	PT23092035 STEM SEAT NUT
36	PT23092036 FLUID INLET NOZZLE
37	PT23092037 INLET HEX NUT
38	PT23092038 INLET THIN NUT
39	PT23092039 LOCK ARM
40	PT23092040 LOCK LEVER
41	PT23092041 FLUID HOSE
42	PT23092042 HOSE CONNECTOR
43	PT23092043 CUP LID
44	PT23092044 LID GASKET
45	PT23092045 SYPHON TUBE
46	PT23092046 FLUID CUP
47	PT23092047 CUP SCREW
48	PT23092048 CUP PIN
49	PT23092049 MULTI-WRENCH

**Parts breakdown provided for reference only. Not all parts shown are available for purchase.**



# WARRANTY & RETURNS

---

---

Grizzly Industrial, Inc. warrants every product it sells for a period of **1 year** to the original purchaser from the date of purchase. This warranty does not apply to defects due directly or indirectly to misuse, abuse, negligence, accidents, repairs or alterations or lack of maintenance. This is Grizzly's sole written warranty and any and all warranties that may be implied by law, including any merchantability or fitness, for any particular purpose, are hereby limited to the duration of this written warranty. We do not warrant or represent that the merchandise complies with the provisions of any law or acts unless the manufacturer so warrants. In no event shall Grizzly's liability under this warranty exceed the purchase price paid for the product and any legal actions brought against Grizzly shall be tried in the State of Washington, County of Whatcom.

We shall in no event be liable for death, injuries to persons or property or for incidental, contingent, special, or consequential damages arising from the use of our products.

The manufacturers reserve the right to change specifications at any time because they constantly strive to achieve better quality equipment. We make every effort to ensure that our products meet high quality and durability standards and we hope you never need to use this warranty.

In the event you need to use this warranty, contact us by mail or phone and give us all the details. We will then issue you a "Return Number," which must be clearly posted on the outside as well as the inside of the carton. We will not accept any item back without this number. Proof of purchase must accompany the merchandise.

Please feel free to write or call us if you have any questions about the machine or the manual.

Thank you again for your business and continued support. We hope to serve you again soon.

To take advantage of this warranty, you must register it at <https://www.grizzly.com/forms/warranty>, or you can scan the QR code below to be automatically directed to our warranty registration page. Enter all applicable information for the product.



**grizzly.com**<sup>®</sup>  
**TOOL WEBSITE**

Buy Direct and Save with Grizzly<sup>®</sup> – Trusted, Proven and a Great Value!  
~Since 1983~

*Visit Our Website Today For  
Current Specials!*

**ORDER  
24 HOURS A DAY!  
1-800-523-4777**

