



SPRAY GUN

MODELS H3253, H3254, H3255

INSTRUCTION MANUAL



H3253



H3254



H3255

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#PC8209 PRINTED IN CHINA

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 imminently 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 Pneumatic Tools

- 1. KEEP ALL SAFETY DEVICES IN PLACE** and in working order.
- 2. REMOVE ADJUSTING KEYS AND WRENCHES.** Form habit of checking to see that keys and adjusting wrenches are removed from tool before operation.
- 3. KEEP WORK AREA CLEAN.** Cluttered areas and benches invite accidents.
- 4. DO NOT USE IN DANGEROUS ENVIRONMENT.** Do not use pneumatic tools in damp or wet locations, or where any flammable or noxious fumes may exist. Keep work area well lighted.
- 5. KEEP CHILDREN AND VISITORS AWAY.** All children and visitors should be kept at a safe distance from work area.
- 6. MAKE WORKSHOP CHILD PROOF** by locking your shop and shutting off air valves.
- 7. DO NOT FORCE TOOL.** It will do the job better and safer at the rate for which it was designed.
- 8. USE THE RIGHT TOOL.** Do not force tool or attachment to do a job for which it was not designed.
- 9. DO NOT USE UNDER THE INFLUENCE OF DRUGS OR ALCOHOL.**

WARNING

Safety Instructions For Pneumatic Tools

10. **USE PROPER AIR HOSE** for the tool. Make sure your air hose is in good condition and is long enough to reach your work without stretching.
11. **WEAR PROPER APPAREL.** Do not wear loose clothing, gloves, neckties, rings, bracelets, or other jewelry which may get caught in moving parts. Non-slip footwear is recommended. Wear a protective hair covering to contain long hair.
12. **ALWAYS USE SAFETY GLASSES.** Also use a face or dust mask if cutting operation is dusty. Everyday eyeglasses only have impact resistant lenses, they are NOT safety glasses.
13. **WEAR APPROVED HEARING PROTECTION.** Air escaping from pneumatic tools can exceed safe exposure limits and may cause hearing damage with prolonged exposure.
14. **SECURE WORK.** Use clamps or a vise to hold work when practical. It is safer than using your hand and frees both hands to operate tool.
15. **MAINTAIN TOOLS WITH CARE.** Keep tools lubricated and clean for best and safest performance. Follow instructions for lubricating and changing accessories.
16. **REDUCE THE RISK OF UNINTENTIONAL STARTING.** Do not carry tool with hand on trigger and always disconnect from air when not in use.
17. **DISCONNECT TOOLS** before servicing and changing accessories.
18. **DO NOT OVERREACH.** Keep proper footing/balance at all times.
19. **USE THE RECOMMENDED ACCESSORIES.** Consult owner's manual for recommended accessories. The use of improper accessories may cause risk of injury.
20. **CHECK FOR DAMAGED PARTS BEFORE USING.** Check for binding and alignment of parts, broken parts, part mounting, loose bolts, and any other conditions that may affect machine operation. Repair or replace damaged parts.
21. **NEVER LEAVE UNATTENDED TOOL CONNECTED TO AIR.** Disconnect the air hose and do not leave tool until it is relieved of any built up pressure.
22. **NEVER ALLOW UNTRAINED USERS TO USE THIS TOOL WHILE UNSUPERVISED.**
23. **IF YOU ARE UNSURE OF THE INTENDED OPERATION, STOP USING TOOL.** Seek formal training or research books or magazines that specialize in pneumatic tools.
24. **BE AWARE OF HOSE LOCATION WHEN USING PNEUMATIC TOOLS.** Hoses can easily become a tripping hazard when laid across the floor or spread out in a disorganized fashion.

SECTION 2: INTRODUCTION

Foreword

We are proud to offer the Grizzly Model H3253, H3254, H3255 Spray Gun. These models are part of a growing Grizzly family of fine tools. When used according to the guidelines set forth in this manual, you can expect years of trouble-free, enjoyable operation, and proof of Grizzly's commitment to customer satisfaction.

It is our pleasure to provide this manual with the Model H3253, H3254, H3255. It was written to encourage safety considerations and guide you through general operating procedures and maintenance.

The specifications, details, and photographs in this manual represent the Model H3253, H3254, H3255 as supplied when the manual was prepared. However, owing to Grizzly's policy of continuous improvement, changes may be made at any time with no obligation on the part of Grizzly.

Contact Information

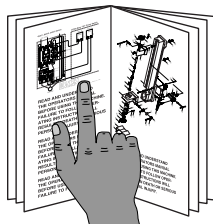
If you have any comments regarding this manual, please write to us at the following address:

Grizzly Industrial, Inc.
C/O Technical Documentation
P.O. Box 2069
Bellingham, WA 98227-2069

Most importantly, we stand behind our tools. If you have any service questions or parts requests, please call or write us at the location listed below.

Grizzly Industrial, Inc.
1203 Lycoming Mall Circle
Muncy, PA 17756
Phone: (570) 546-9663
Fax: (800) 438-5901
E-Mail: techsupport@grizzly.com
Web Site: <http://www.grizzly.com>

WARNING



Read the manual before operation. Become familiar with this tool, its safety instructions, and its operation before beginning any work. Serious personal injury may result if safety or operational information is not understood or followed.

**SIPHON FEED SPRAY GUN MODEL
H3253, H3254, H3255**

MODEL	H3253	H3254	H3255
CUP SIZE	1 liter	750ml	1 liter
TYPE OF FEED	Siphon	Siphon	Siphon
FLUID TIP	1.8MM	1.3mm	1.8mm
AIR CONSUMPTION	4-7 CFM	3.2 CFM	7-9 CFM
INLET AIR PRESSURE	3.5-4.2 BAR 50-60 PSI	1.5-3.5 BAR 21-50 PSI	4.5-6 BAR 65-87 PSI
FLUID PRESSURE	Greater Than 10 PSI	Greater Than 10 PSI	Greater Than 10 PSI
CUP MATERIAL	Aluminum	Aluminum	Aluminum
MAX. PATTERN WIDTH	250mm	150mm	300mm
BODY MATERIAL	Painted Metal	Painted Metal	Painted Metal
MATERIAL USAGE	Medium Solids, i.e.. Enamels & Lacquers	Medium to High Solids, i.e.. Primers	Medium Solids, i.e.. Enamels & Lacquers
WATERBORNE MATERIAL COMPATIBLE	NO	NO	NO

SECTION 3: SET UP

Inventory

Your spray gun left our warehouse in a carefully packed box. If you discover the spray gun is damaged after you have signed for delivery, *please immediately call Customer Service at (570) 546-9663 for advice.*

Save the containers and all packing materials for possible inspection by the carrier or its agent. *Otherwise, filing a freight claim can be difficult.*

After you have unpacked the carton you should find the following:

Model H3253 Inventory (Figure 1)

- A. Large Spray Gun 1
- B. Cup 1
- C. Service Wrench..... 1
- D. Cleaning Brush 1
- E. Barbed Hose Fitting 1/4" NPT 1

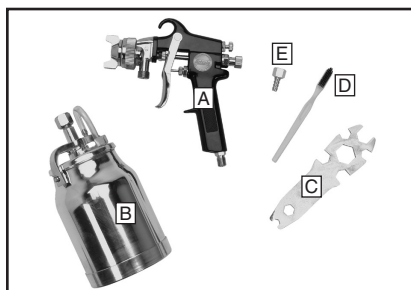


Figure 1. Model H3253 inventory.

Model H3254 Inventory (Figure 2)

- A. Large Spray Gun 1
- B. Cup 1
- C. Service Wrench..... 1
- D. Cleaning Brush 1
- E. Filter 1
- F. Tips 2
- G. Barbed Hose Fitting 1/4" NPT 1

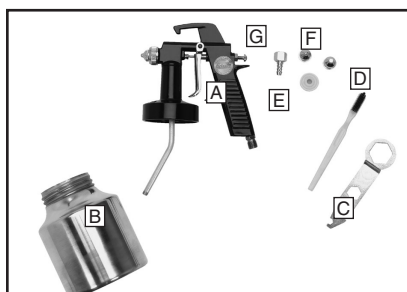


Figure 2. Model H3254 inventory.

Model H3255 Inventory (Figure 3)

- A. Large Spray Gun 1
- B. Cup 1
- C. Service Wrench..... 1
- D. Cleaning Brush 1
- E. Barbed Hose Fitting 1/4" NPT 1

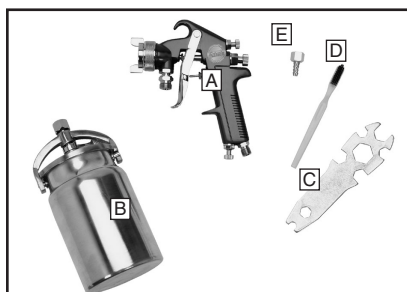


Figure 3. Model H3255 inventory.

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** in the **MAINTENANCE** section on **Page 13** for more detailed instructions.

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

1. Screw the filter on the bottom of the feed tube as shown in **Figure 4** (Model H3254 only).



Figure 4. Installing H3254 filter.

2. Remove/install cup by loosening/tightening the cup lock and engaging/disengaging the hooks to the cup pins (see **Figure 5**). For the Model H3254, the cup is simply screwed on.



Figure 5. Installing cup.

3. Attach the air hose to the spray gun using the barbed hose fitting provided (Models H3253, H3254, H3255) or with a 1/4" NPS quick connect fitting (not included).
4. Attach the spray gun to a filtered, regulated air source. See the **Tool Data Sheet** on **Page 5** for your spray gun air requirements.

Note: 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.

If you need additional help with this assembly, call our Technical Support at: (570) 546-9663.

Controls

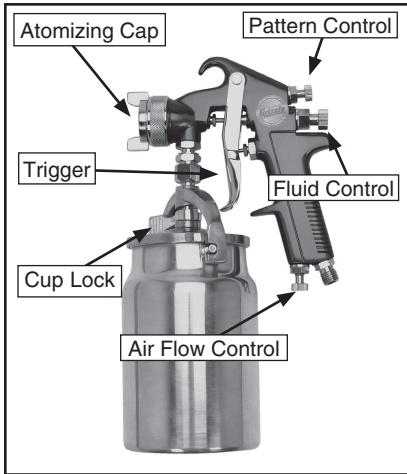


Figure 6. Controls.

1. **Fluid Control:** Controls the volume of material that travels through the fluid tip.
2. **Pattern Control:** Adjusts the spray pattern from a round pattern to a wide fan. Not available on H3254.
3. **Air Flow Control:** Controls the fluid pressure inside the spray gun (H3255 only).
4. **Atomizing Cap:** Controls the spray pattern from vertical to horizontal.
5. **Trigger:** Two stage trigger. Stage one only releases compressed air for blowing off the work piece. Stage two sprays material.

SECTION 4: OPERATIONS

DANGER



EXPLOSION HAZARD! DO NOT smoke or have any source of flame or spark near spraying. Vapors will explode if ignited.

WARNING



RESPIRATORY HAZARD! Always use a NIOSH approved respirator when using spray equipment. Failure to protect your lungs can lead to respiratory illness and nervous system damage.

WARNING



TOXIC FUMES! Always use an approved spray booth or well ventilated area when spraying. **NEVER** spray in a confined space where toxic fumes and flammable vapors can accumulate to deadly levels.

Spraying

The Model H3253, H3254, H3255 siphon feed spray gun set 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. The spray guns are not designed to be used with waterborne materials.

To use your spray gun:

1. Read and follow the material manufacturer's instructions for spraying, mixing, safety, disposal, and any other instruction on the label or Material Safety Data Sheet (MSDS).
2. Ensure the cup is securely tightened and all other fittings are secure to avoid air leaks or material spills.
3. Set the inlet air pressure (the air coming to the spray gun) to the lowest pressure recommended in **Tool Data Sheet** on **Page 5** or to the material manufacturer's recommendations.
4. Adjust the atomizing cap to vertical or horizontal. See **Atomizing Cap and Fan Adjustments** on **Page 11** for further explanation.
5. Fill the cup with material.
6. Trial and error are necessary to achieve the results you want along with 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.

7. Adjust the fluid control knob to start with a low volume of material and keep the atomization as low as possible. You will need to use a combination of fluid control, inlet air pressure, air flow control and stroke speed to achieve the results you want. Spray so the material wets out nicely without running or sagging.
8. Use the pattern control knob to adjust the spray fan to your desired pattern.
9. Keep the gun tip perpendicular, parallel and 6-12" from the work at all times when spraying, as shown in **Figure 7**. Do not allow your wrist to bend. This will cause the gun to arc across the surface and distribute the material unevenly, possibly creating sags and dry spots.

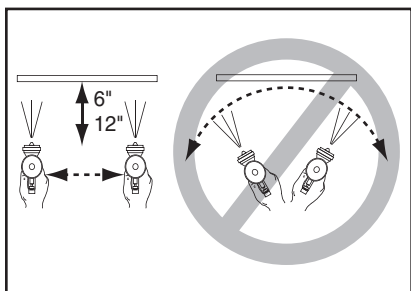


Figure 7. Spray technique.

NOTICE

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

10. Begin spraying 2-3 inches before the work and continue to the end of the work. Continue the motion for a few inches past the work until you are ready for the return stroke.
11. Maintain an even speed when spraying.
12. Overlap each stroke by 50%. This will ensure even coverage as shown in **Figure 8**. Overlapping less than 50%, as shown in the figure to the right, may lead to missed spots or streaky results.

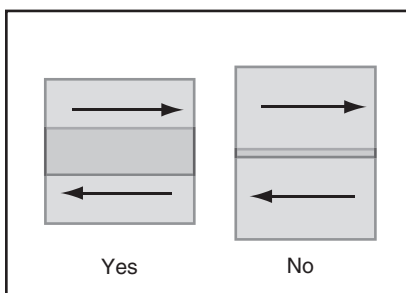


Figure 8. Overlap technique.

13. The spray stroke should have even consistency and parallel edges. If it doesn't, please refer to **Troubleshooting** on **Page 15**.

⚠ CAUTION

CONTAMINATION HAZARD! Dispose of paint waste in a responsible manner! Follow manufacturer's recommendations and local laws regarding disposal.

Atomizing Cap and Fan Adjustments

The atomizing cap needs to be adjusted for horizontal or vertical spraying patterns. Spraying in the wrong direction may lead to material build up on the atomizing cap horn. Many performance problems are caused by clogged atomizing holes on the atomizing cap horns (see **Cleaning** on **Page 13**).

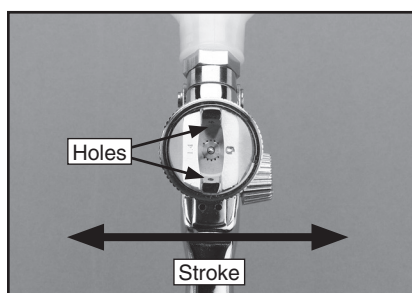


Figure 9. Set up for horizontal stroke direction with vertical fan pattern.

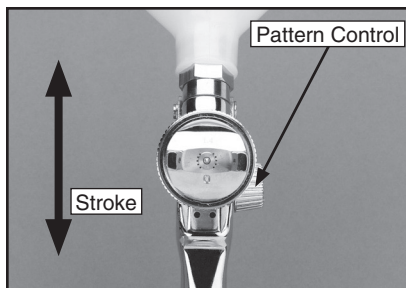


Figure 10. Set up for vertical spray stroke with horizontal fan pattern.

Rotating the pattern adjustment control in **Figure 10** will give you a range between the two patterns in **Figure 11**.

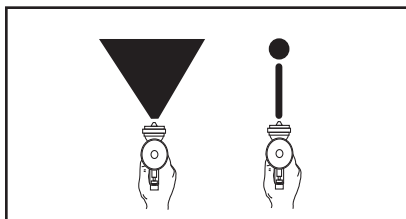


Figure 11. Fan adjustment.

Model H3254 fan is controlled by the nozzle used. Three nozzles are included—round, fan, and angled. Select the shape that best suits your application.

SECTION 5: ACCESSORIES

G6261—Campbell Hausfeld™ Water Filter

Remove damaging water vapor before it reaches your pneumatic tools. This highly effective, five micron filter features a see-through bowl and easy in-line connections. 150 PSI maximum air pressure. ¼" NPT.



Figure 12. G6261 Campbell Hausfeld™ water filter.

G8114—¾" x 25 Ft. Air Hose

G8115—¾" x 50 Ft. Air Hose

G8116—¾" x 100 Ft. Air Hose

Multi-purpose red rubber air hose is flexible and abrasion resistant. Rated for 200 PSI, this air hose has a bursting strength of 800 PSI and ¼" NPT ends.



Figure 13. Red rubber air hose.

H7274—Campbell Hausfeld™ Pressure Regulator

Mini Series. Provides regulated output pressure of 0 to 125 PSI for proper tool operation. Locking pressure knob prevents accidental adjustments. 15 SCFM flow capacity @ 90 PSI. ¼" NPT.



Figure 14. H7274 Campbell Hausfeld™ pressure regulator.

H3174—Air Blow Gun with 2 Tips

This air blow gun includes a safety tip and rubber tip for all normal air cleaning jobs. ¼" NPT .



Figure 15. H3174 Air Blow Gun with 2 Tips.

Call 1-800-523-4777 To Order

SECTION 6: MAINTENANCE

Cleaning

Proper cleaning is the best way to ensure trouble free performance from your spray gun. If your gun is not thoroughly cleaned, damage and poor spraying will result. Problems caused by improper cleaning will not be covered by the warranty. Clean the spray gun immediately after each use.

To clean your spray gun:

1. Spray a small amount of solvent through the spray 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 the gun from the compressed air!**
3. Remove the cup and cup lid.
4. Disassemble the gun by unscrewing the fluid control knob, then remove the spring and needle.

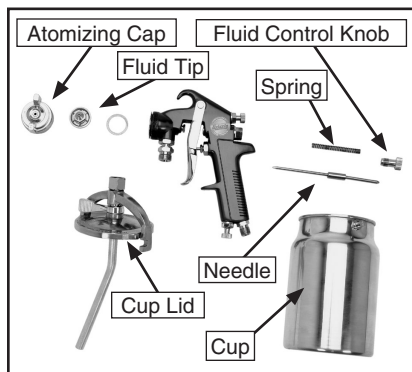


Figure 16. Disassembly for cleaning.

5. Unscrew the atomizing cap with your fingers and the fluid tip with the service wrench. The fully disassembled gun should look like **Figure 16**.
6. Rinse these parts thoroughly in solvent, then dry with compressed air or let air dry.

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

7. Use the cleaning brush with solvent to clean the inner orifice and other hard to reach areas on the outside of the spray gun body.
8. Wipe the gun body with a lint free shop towel to dry.

!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.

NOTICE

DO NOT soak the spray gun body in solvent. Prolonged exposure to solvent will rapidly deteriorate the spray gun washers and seals. Ignoring this notice will void your warranty.

Lubrication

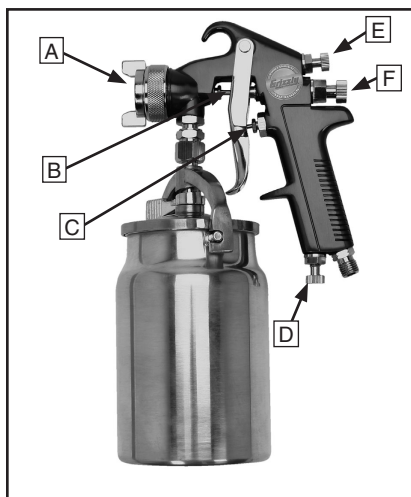


Figure 17. General lubrication points.

Lubricate the following areas with a non-silicon spray gun lubricant after cleaning.

- A. Atomizing Cap Threads
- B. Air Valve Packing
- C. Trigger Pin
- D. Air Flow Control Valve
- E. Pattern Control
- F. Fluid Control Knob

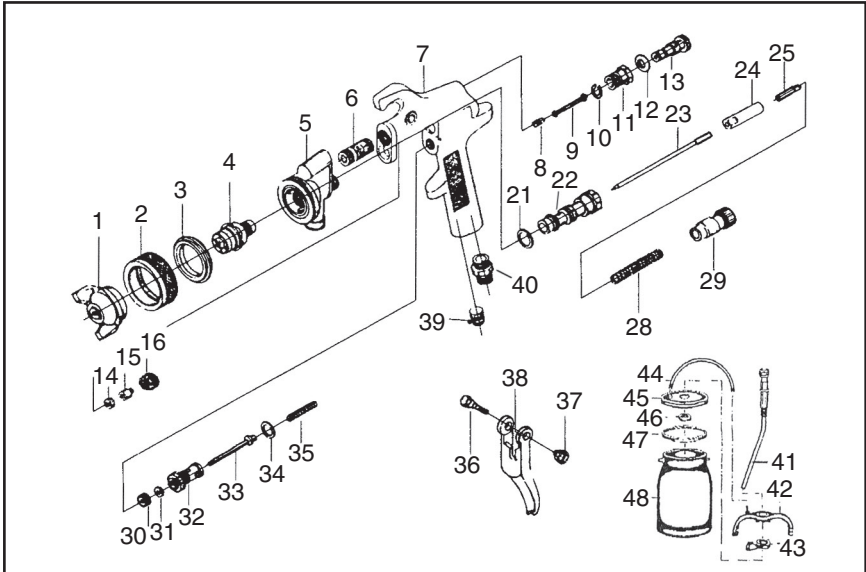
Allow the lubricant to coat threads, and run into gun body to lubricate all moving parts and seals.

Troubleshooting

Symptom	Possible Cause	Solution
Fluttering or spitting spray. 	1. Dry or worn fluid tip seat permits air to seep into fluid passage. 2. Material level too low. 3. Fluid tip or filter obstructed. 4. Dry needle packing.	1. Tighten fluid tip or replace seat with new one. 2. Add material. 3. Clean. 4. Lubricate needle.
Uneven top or bottom pattern. 	1. Atomizing cap holes are obstructed. 2. Build-up on top or bottom of fluid tip. 3. Build-up on atomizing cap is on needle seat.	1. Clear holes. 2. Clean. 3. Clean.
Right or left arc pattern. 	1. Left or right side horn holes are plugged. 2. Build-up on left or right side of fluid tip. 3. Build-up of material inside atomizing cap.	1. Clear holes. 2. Clean. 3. Clean.
Heavy deposit of material in center. 	1. The material flow exceeds the atomizing cap capacity. 2. Inlet air pressure is too low. 3. Material is too thick.	1. Lower fluid flow. 2. Increase inlet air pressure. 3. Thin material.
Narrow center pattern. 	1. Volume control turned in too far. 2. Inlet air pressure too high. 3. Fluid pressure is too low. 4. Material is too thin.	1. Increase volume. 2. Reduce inlet air pressure. 3. Increase fluid pressure. 4. Adjust material.
No spray output.	1. No pressure at gun. 2. Fluid passages dirty. 3. Fluid control closed. 4. Out of paint. 5. Material too thick.	1. Check air supply. 2. Clean gun, remove any obstructions. 3. Open. 4. Refill. 5. Thin to manufacturer's recommendations.

Symptom	Possible Cause	Solution
Excessive over-spray.	1. Fluid pressure too high. 2. Gun is too far from surface. 3. Spraying too fast.	1. Reduce fluid pressure. 2. Keep gun at recommended distance. 3. Slow down and maintain consistent, even parallel stroke.
Unable to control spray fan.	1. Pattern adjustment screw is not seating properly. 2. Atomizing cap is loose.	1. Clean or replace. 2. Tighten atomizing cap.
Runs and sags.	1. Damaged seal.	1. Replace damaged seals.
Material leaks from cup.	1. Cap not secure. 2. Cup not tight on gun body. 3. Leaking from cap vent hole.	1. Tighten. 2. Tighten. 3. Hold gun upright, do not tilt.
Material leaks from gun.	1. Fluid tip loose. 2. Dry or damaged seals. 3. Excessive pressure.	1. Tighten. 2. Replace seals. 3. Reduce pressure.
Thick dimpled finish: orange peel appearance.	1. Holding gun too close to surface. 2. Inlet air pressure too low. 3. Material not properly mixed. 4. Surface is dirty or oily.	1. Spray at recommended distance. 2. Check inlet air pressure. 3. Follow manufacturer's instructions. 4. More surface prep is required.
Dry Spray.	1. Inlet air pressure too high. 2. Gun too far from surface. 3. Gun stroke too fast.	1. Lower inlet air pressure. 2. Keep gun at recommended distance. 3. Slow down and maintain consistent even parallel stroke.
Gun leaks from fluid tip.	1. Debris will not let the needle seat with the fluid tip.	1. Clean or replace both.
Contaminated paint: fish eye appearance.	1. Water or oil in the air line.	1. Install an in-line air filter. 2. Replace air line.

Parts Breakdown H3253



REF PART # DESCRIPTION

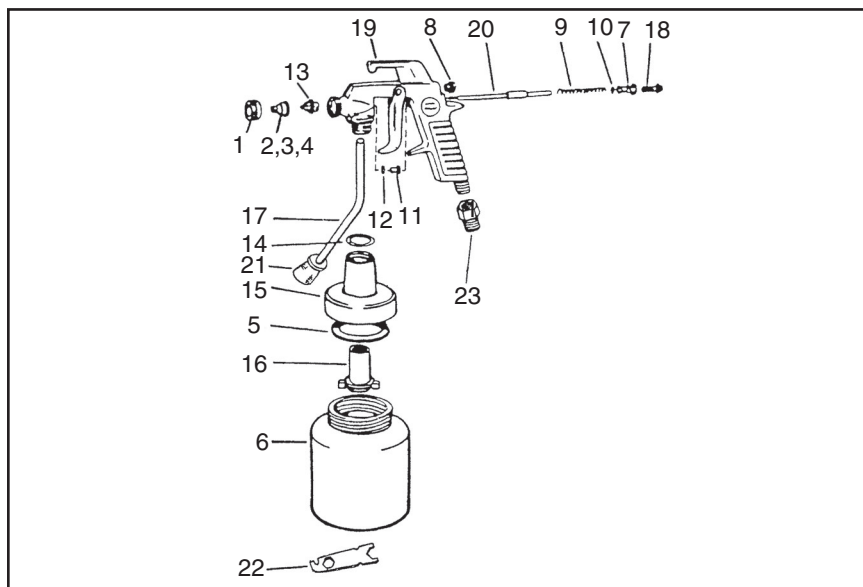
1	PH3253001	AIR NOZZLE
2	PH3253002	BRASS RING
3	PH3253003	ZINC RING
4	PH3253004	FLUID NOZZLE
5	PH3253005	HEAD
6	PH3253006	SCREW
7	PH3253007	BODY
8	PH3253008	STEM
9	PH3253009	STEM
10	PH3253010	SNAP RING
11	PH3253011	HOUSING
12	PH3253012	O-RING
13	PH3253013	SCREW
14	PH3253014	WASHER
15	PH3253015	PACKING
16	PH3253016	NUT
21	PH3253021	GASKET
22	PH3253022	HOUSING
23	PH3253023	LOCKNUT
24	PH3253024	LOCKNUT
25	PH3253025	LOCKNUT
28	PH3253028	COMPRESSION SPRING
29	PH3253029	BODY

REF PART # DESCRIPTION

30	PH3253030	NUT
31	PH3253031	PACKING
32	PH3253032	BODY
33	PH3253033	VALVE
34	PH3253034	GASKET
35	PH3253035	COMPRESSION SPRING
36	PH3253036	TRIGGER SCREW
37	PH3253037	TRIGGER STUD
38	PH3253038	TRIGGER
39	PH3253039	SCREW
40	PH3253040	CONNECTION
41	PH3253041	FEED TUBE ASSEMBLY
42	PH3253042	YOKE ASSEMBLY
43	PH3253043	CAP LOCK
44	PH3253044	DRIP TUBE
45	PH3253045	CUP LID ASSEMBLY
46	PH3253046	NUT
47	PH3253047	CUP GASKET
48	PH3253048	CUP
49*	PH3253049	SERVICE WRENCH
50*	PH3253050	CLEANING BRUSH
51*	PH3253051	HOSE FITTING 1/4" NPT

*Not shown in parts breakdown

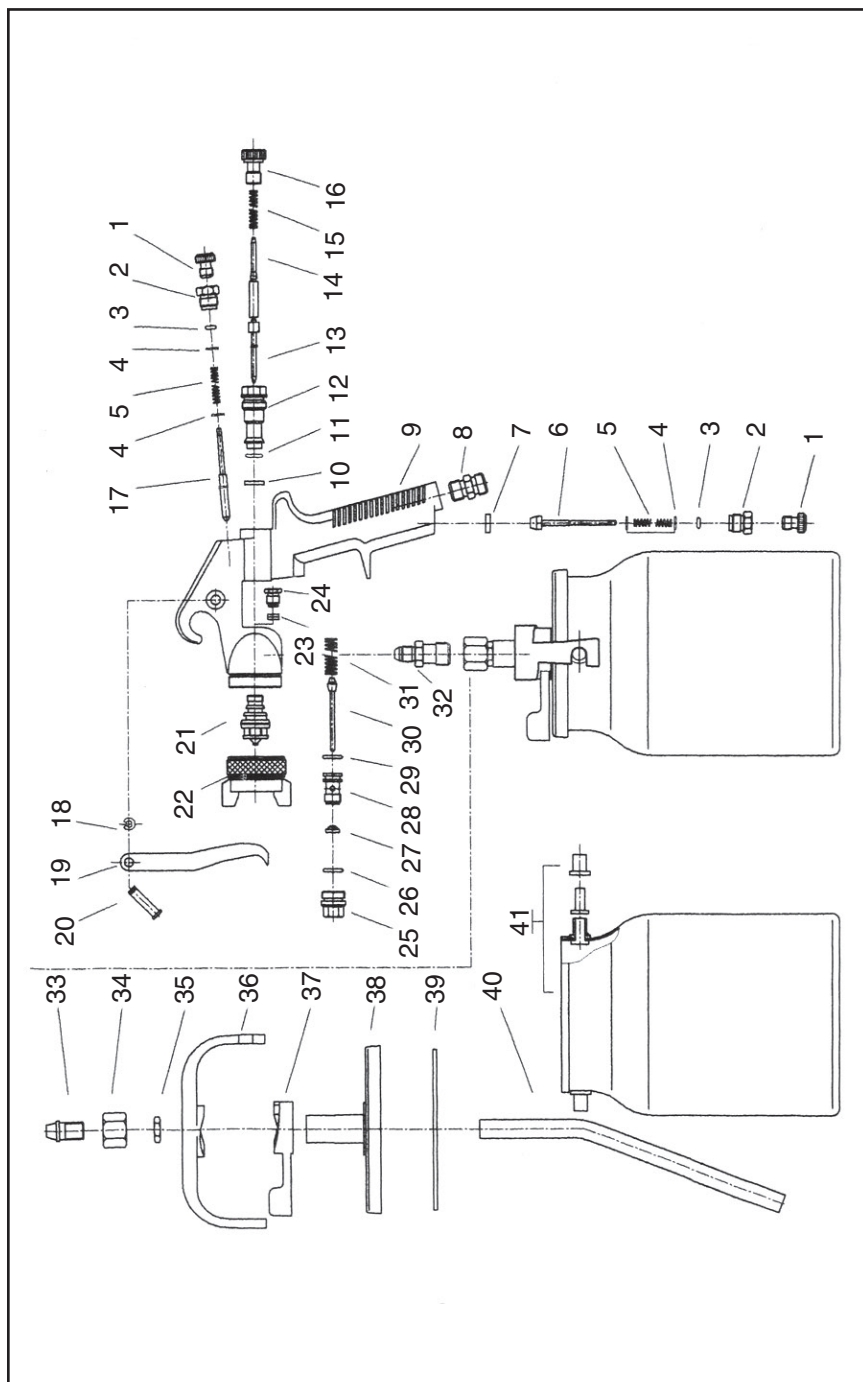
Parts Breakdown H3254



REF	PART #	DESCRIPTION	REF	PART #	DESCRIPTION
1	PH3254001	RING NUT	13	PH3254013	LIQUID NOZZLE
2	PH3254002	FAN NOZZLE	14	PH3254014	O-RING
3	PH3254003	ROUND NOZZLE	15	PH3254015	CUP COVER
4	PH3254004	ANGLE NOZZLE	16	PH3254016	CUP COVER NUT
5	PH3254005	CUP COVER GASKET	17	PH3254017	FEED TUBE
6	PH3254006	CUP	18	PH3254018	TRIGGER ADJ. SCREW
7	PH3254007	AIR BYPASS VALVE	19	PH3254019	GUN FRAME & TRIGGER ASSY.
8	PH3254008	PLUG	20	PH3254020	NEEDLE PIN ASSY.
9	PH3254009	NEEDLE PIN SPRING	21	PH3254021	PAINT STRAINER
10	PH3254010	FRICTION WASHER	22	PH3254022	SERVICE WRENCH
11	PH3254011	PACKING SCREW	23	PH3254023	HOSE FITTING
12	PH3254012	PACKING	24*	PH3254024	CLEANING BRUSH

*Not shown in parts breakdown

Parts Breakdown H3255



Parts List H3255

REF	PART #	DESCRIPTION	REF	PART #	DESCRIPTION
1	PH3255001	ADJUSTMENT SCREW	23	PH3255023	TENSILE WASHER
2	PH3255002	ADJUSTMENT KNOB	24	PH3255024	DIRECTIONAL SCREW
3	PH3255003	O-RING	25	PH3255025	SWITCH KNOB
4	PH3255004	FLAT WASHER	26	PH3255026	O-RING
5	PH3255005	AIR VALVE SPRING	27	PH3255027	SEALING WASHER
6	PH3255006	AIR INLET VALVE	28	PH3255028	SWITCH SEAT
7	PH3255007	RECTANGLE WASHER	29	PH3255029	O-RING
8	PH3255008	AIR INLE JOINT	30	PH3255030	AIR VALVE
9	PH3255009	GUN BODY	31	PH3255031	COMPRESSION SPRING
10	PH3255010	HOUSING WASHER	32	PH3255032	PAINT INLET JOINT
11	PH3255011	O-RING	33	PH3255033	PAINT INLET PLUG
12	PH3255012	NEEDLE HOUSING	34	PH3255034	NUT
13	PH3255013	FLUID ADJ. NEEDLE	35	PH3255035	NUT
14	PH3255014	SPRING CORE	36	PH3255036	POTHOOK
15	PH3255015	FLUID NEEDLE SPRING	37	PH3255037	SWITCH HANGER
16	PH3255016	FLUID ADJ SCREW	38	PH3255038	CONTAINER COVER
17	PH3255017	PATERN NEEDLE	39	PH3255039	WASHER
18	PH3255018	SNAP RETAINER	40	PH3255040	PAINT INLET PIPE
19	PH3255019	TRIGGER	41	PH3255041	CONTAINER
20	PH3255020	TRIGGER PIN	42*	PH3255042	SERVICE WRENCH
21	PH3255021	FLUID NOZZLE	43*	PH3255043	CLEANING BRUSH
22	PH3255022	AIR CAP	44*	PH3255044	BARBED AIR FITTING

*Not shown in parts breakdown

WARRANTY AND 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.

To take advantage of this warranty, contact us by mail or phone and give us all the details. We will then issue you a "Return Authorization 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.

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.

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

Grizzly Industrial, Inc.
1203 Lycoming Mall Circle
Muncy, PA 17756
Phone: (570) 546-9663
Fax: (800) 438-5901

E-Mail:
techsupport@grizzly.com

Web Site: <http://www.grizzly.com>

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



WARRANTY CARD

Name _____

Street _____

City _____ State _____ Zip _____

Phone # _____ Email _____ Invoice # _____

Model # _____ Order # _____ Serial # _____

*The following information is given on a voluntary basis. It will be used for marketing purposes to help us develop better products and services. **All information is strictly confidential.***

1. How did you learn about us?

____ Advertisement ____ Friend ____ Catalog
____ Card Deck ____ Website Other: _____

2. Which of the following magazines do you subscribe to?

____ Cabinet Maker	____ Popular Mechanics	____ Today's Homeowner
____ Family Handyman	____ Popular Science	____ Wood
____ Hand Loader	____ Popular Woodworking	____ Wooden Boat
____ Handy	____ Practical Homeowner	____ Woodshop News
____ Home Shop Machinist	____ Precision Shooter	____ Woodsmith
____ Journal of Light Cont.	____ Projects in Metal	____ Woodwork
____ Live Steam	____ RC Modeler	____ Woodworker West
____ Model Airplane News	____ Rifle	____ Woodworker's Journal
____ Modeltec	____ Shop Notes	____ Other:
____ Old House Journal	____ Shotgun News	

3. What is your annual household income?

____ \$20,000-\$29,000 ____ \$30,000-\$39,000 ____ \$40,000-\$49,000
____ \$50,000-\$59,000 ____ \$60,000-\$69,000 ____ \$70,000+

4. What is your age group?

____ 20-29 ____ 30-39 ____ 40-49
____ 50-59 ____ 60-69 ____ 70+

5. How long have you been a woodworker/metalworker?

____ 0-2 Years ____ 2-8 Years ____ 8-20 Years ____ 20+ Years

6. How many of your machines or tools are Grizzly?

____ 0-2 ____ 3-5 ____ 6-9 ____ 10+

7. Do you think your machine represents a good value? ____ Yes ____ No

8. Would you recommend Grizzly Industrial to a friend? ____ Yes ____ No

9. Would you allow us to use your name as a reference for our customers in your area?

Note: *We never use names more than 3 times.* ____ Yes ____ No

10. Comments: _____

Send a Grizzly Catalog to a friend:

Name

Street

CityStateZip

FOLD ALONG DOTTED LINE



Place Stamp Here



GRIZZLY INDUSTRIAL, INC.
P.O. BOX 2069
BELLINGHAM, WA 98227-2069



TAPE ALONG EDGES--PLEASE DO NOT STAPLE