

# Owner's Manual & Safety Instructions

**Save This Manual** Keep this manual for the safety warnings and precautions, assembly, operating, inspection, maintenance and cleaning procedures. Write the product's serial number in the back of the manual near the assembly diagram (or month and year of purchase if product has no number). Keep this manual and the receipt in a safe and dry place for future reference.

REV 16h



62915

## Airless Paint Sprayer



**RETURNS NOT ACCEPTED  
& WARRANTY VOID**

**if Sprayer is not properly cleaned  
immediately after every use.**

**Clean Sprayer immediately  
to prevent permanent damage.**

See "Cleaning" and "Long Term Storage" on pages 16-18.

Visit our website at: <http://www.harborfreight.com>  
Email our technical support at: [productsupport@harborfreight.com](mailto:productsupport@harborfreight.com)

When unpacking, make sure that the product is intact and undamaged. If any parts are missing or broken, please call 1-888-866-5797 as soon as possible.

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No portion of this manual or any artwork contained herein may be reproduced in any shape or form without the express written consent of Harbor Freight Tools. Diagrams within this manual may not be drawn proportionally. Due to continuing improvements, actual product may differ slightly from the product described herein. Tools required for assembly and service may not be included.

### **⚠ WARNING**

**Read this material before using this product.  
Failure to do so can result in serious injury.  
SAVE THIS MANUAL.**






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### WARNING SYMBOLS AND DEFINITIONS

	This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.
	Indicates a hazardous situation which, if not avoided, will result in death or serious injury.
	Indicates a hazardous situation which, if not avoided, could result in death or serious injury.
	Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.
	Addresses practices not related to personal injury.

## Symbol Definitions

Symbol	Property or Statement	Symbol	Property or Statement
	Pounds per square inch of pressure		WARNING marking concerning Risk of Respiratory Injury. Wear NIOSH-approved respirator.
	Cubic Feet per Minute flow		WARNING marking concerning Risk of Explosion.
	Cubic Feet per Minute flow at standard conditions		WARNING marking concerning Risk of Injection Injury. Do not direct spray at hands or body. Have injection injury treated immediately.
	National pipe thread, tapered		WARNING marking concerning Risk of Fire. Do not use solvents improperly.
	National pipe thread, straight		
	WARNING marking concerning Risk of Eye Injury. Wear ANSI-approved eye protection.		

## IMPORTANT SAFETY INSTRUCTIONS



**WARNING! Read all instructions. Failure to follow all instructions listed below may result in fire, serious injury and/or DEATH.**

The warnings and precautions discussed in this manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

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## Work Area

1. **Keep the work area clean and well lighted.**  
Cluttered benches and dark areas increase the risks of electric shock, fire, and injury to persons.
2. **Operate only in a well-ventilated area.**  
Paint thinners and solvents may be harmful if inhaled.
3. **Do not operate the sprayer in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.**  
The sprayer is able to create sparks resulting in the ignition of the dust or fumes.
4. **Keep bystanders, children, and visitors away while operating the tool.** Distractions are able to result in the loss of control of the tool.

## Electrical Safety

1. **Sprayer plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with grounded sprayers.**  
Unmodified plugs and matching outlets will reduce risk of electric shock.
2. **Avoid body contact with grounded surfaces such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is grounded.
3. **Do not expose sprayers to rain or wet conditions.** Water entering a sprayer will increase the risk of electric shock.
4. **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the sprayer. Keep cord away from heat, oil, sharp edges or moving parts.** Damaged or entangled cords increase the risk of electric shock.
5. **When operating a sprayer outdoors, use an extension cord suitable for outdoor use.**  
Use of a cord suitable for outdoor use reduces the risk of electric shock.
6. **If operating a sprayer in a damp location is unavoidable, use a Ground Fault Circuit Interrupter (GFCI) protected supply.**  
Use of a GFCI reduces the risk of electric shock.

## Personal Safety

1. **Stay alert. Watch what you are doing and use common sense when operating the tool. Do not use the tool while tired or under the influence of drugs, alcohol, or medication.**  
A moment of inattention while operating the tool increases the risk of injury to persons.
2. **Dress properly. Do not wear loose clothing or jewelry. Contain long hair. Keep hair, clothing, and gloves away from moving parts.**  
Loose clothes, jewelry, or long hair increases the risk of injury to persons as a result of being caught in moving parts.
3. **Avoid unintentional starting. Be sure the trigger is off before connecting to the power supply.** Do not carry the sprayer with your finger on the trigger or connect the sprayer to the power supply with the trigger on.
4. **Do not overreach. Keep proper footing and balance at all times.**  
Proper footing and balance enables better control of the tool in unexpected situations.
5.  **Use safety equipment.**  
Wear protective paint spraying gloves and a NIOSH-approved respirator during use. Non-skid safety shoes and a hard hat must be used for the applicable conditions.
6.  **Always wear eye protection.**  
Wear ANSI-approved safety goggles.

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## Tool Use and Care

1. **Do not force the tool. Use the correct tool for the application.** The correct tool will do the job better and safer at the rate for which it was designed.
2. **Do not use the sprayer if the switch does not turn it on and off.** Any sprayer that cannot be controlled with the switch is dangerous and must be repaired.
3. **Disconnect the tool from the power source before making any adjustments, changing accessories, or storing the tool.** Such preventive safety measures reduce the risk of starting the tool unintentionally.
4. **Store the tool when it is idle out of reach of children and other untrained persons.** A tool is dangerous in the hands of untrained users.
5. **Check for misalignment or binding of moving parts, breakage of parts, and any other condition that affects the tool's operation.** If damaged, have the tool serviced before using. Many accidents are caused by poorly maintained tools. There is a risk of bursting if the tool is damaged.
6. **Use only accessories that are identified by the manufacturer for the specific tool model.** Use of an accessory not intended for use with the specific tool model, increases the risk of injury to persons.

## Service

1. **Tool service must be performed only by qualified repair personnel.**
2. **When servicing a tool, use only identical replacement parts. Use only authorized parts.**
3. **Use only lubricants supplied with the tool or specified by the manufacturer.**


## Specific Safety Instructions

1.  **INJECTION HAZARD!**  
**Although this paint gun is airless, it still puts out paint at a very high pressure.** Through improper use, paint can be injected through a person's skin, leading to serious injury, possibly amputation. If paint is accidentally injected into someone's skin, contact a doctor immediately. Do not treat an injection injury as a simple cut. Injection can lead to amputation and requires immediate surgical treatment.
2. **Do not direct spray at people or animals. Do not place your hand in front of Spray Gun's nozzle or attempt to deflect paint spray with your hand during use.** Gloves and clothing don't offer adequate protection from toxic paints, sealers, water-proofers, or stains.
3. **Do not spray flammable materials in vicinity of open flame or near ignition sources.** Motors, electrical equipment, and controls can cause electrical arcs that will ignite a flammable gas or vapor. Do not store flammable liquids or gases in vicinity of this unit.
4. **Do not come into contact with a fluid stream created by a leak in the paint hose.**
5. **Do not leave Paint Sprayer pressurized while unattended.**
6. **Do not clean Spray Gun tip while it is still connected to paint hose.**
7. **Keep the trigger and the electrical cord plug clean and paint-free.**
8. **Do not run Paint Sprayer while empty.** Damage to the unit may occur.
9. **Do not use Paint Sprayer to spray asbestos, metallic paints, glazes, red lead, cement, ground chalk, abrasive grainy paints containing lime, or bleach.** These will damage the spray gun and void the warranty.
10. Read all of the information concerning coating products and cleaning solvents. Do NOT use bleach, low-flash naphthalene, acetone, alcohol or toluene when cleaning Paint Sprayer equipment. **Do not use chlorinated solvents (e.g. 1,1,1-trichloroethane and dichloromethane, also known as**

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**methylene chloride) to clean spray guns.**  
**Many spray guns contain aluminum,**  
**which reacts strongly to chlorinated solvents.**  
Contact the solvent or coating manufacturer as needed regarding potential chemical reactions.

11. Do NOT use solvents with flash points less than 70° F (21° C) to clean equipment. These may cause an explosion. Examples of acceptable cleaning solvents are water, mineral spirits and lacquer thinner. Note that some of these solvents may be inappropriate for certain kinds of paint; follow the paint supplier's recommendations. Contact Harbor Freight Tools to request a Material Safety Data Sheet (MSDS).
12. Industrial applications must follow OSHA requirements.
13. Spraying hazardous materials may result in serious injury or death. Do not spray pesticide, acid, corrosive material, fertilizer, or toxic chemicals.
14. Paints and solvents may be harmful or fatal if swallowed or inhaled. Avoid prolonged skin contact with solvents or paints as they will irritate skin. After any contact, immediately wash off exposed area with hot, soapy water.
15. Keep paint hose away from sharp objects. Bursting hoses may cause injury. Examine hoses regularly and replace if damaged.
16. When flushing Paint Sprayer system, use lowest possible pressure setting.
17. All hoses and spray gun accessories used with Paint Sprayer must be pressure rated at or above 3000 PSI.
18. The Paint Sprayer must be plugged into an outlet that is grounded in accordance with all local codes and ordinances.
19. Use caution while spraying on windy days.
20. Do not use Paint Sprayer without the Spray Gun's nozzle guard in place.
21. Paint Sprayer's housing may become hot during use. Do not touch housing until it has completely cooled.
22. Remove Spray Tip or turn to cleaning position BEFORE cleaning or flushing Paint Sprayer system.
23. Do not use pliers to tighten or loosen high pressure connections.
24.  **Sparks from improper grounding can ignite fumes!**  
Follow all local regulations regarding the use of fluid supply containers and solvent pails used with flushing the Paint Sprayer. Use only conductive metal pails placed on a grounded (concrete) surface. Do not place pails on nonconductive surfaces (such as cardboard or paper). Ground all metal pails by clamping one end of a ground wire to the pail and the other end to a grounded structure (such as a nearby pipe). Maintain grounding, even when flushing or relieving pressure from Paint Sprayer into metal pail. The force of the spray can knock a metal pail over, so hold down the metal pail and keep the metal part of the spray gun set against the grounded metal pail when pressing the spray gun trigger.
25. Maintain labels and nameplates on the sprayer. These carry important safety information. If unreadable or missing, contact Harbor Freight Tools for a replacement.
26. People with pacemakers should consult their physician(s) before use. Electromagnetic fields in close proximity to heart pacemaker could cause pacemaker interference or pacemaker failure.
27. **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 and birth defects or other reproductive harm. Some examples of these chemicals are:
  - Lead from lead-based paints
  - Crystalline silica from bricks and cement or other masonry products
  - Arsenic and chromium from chemically treated lumberYour 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. (California Health & Safety Code § 25249.5, *et seq.*)
28. **WARNING:** The brass components of this product contain lead, a chemical known to the State of California to cause cancer and birth defects or other reproductive harm. (California Health & Safety Code § 25249.5, *et seq.*)

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29. **WARNING:** The cord of this product contains lead and/or di (2-ethylhexyl) phthalate (DEHP), chemicals known to the State of California to cause cancer, and birth defects or other reproductive harm. Wash hands after handling. (California Health & Safety Code § 25249.5, *et seq.*)

30. **WARNING:** This product contains di (2-ethylhexyl) phthalate (DEHP), a chemical known to the State of California to cause cancer and birth defects or other reproductive harm. (California Health & Safety Code § 25249.5, *et seq.*)



**SAVE THESE INSTRUCTIONS.**

## Grounding

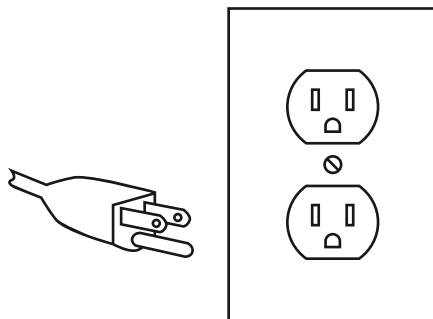
### **⚠ WARNING**



**TO PREVENT ELECTRIC SHOCK AND DEATH FROM INCORRECT GROUNDING WIRE CONNECTION:**

Check with a qualified electrician if you are in doubt as to whether the outlet is properly grounded. Do not modify the power cord plug provided with the tool. Never remove the grounding prong from the plug. Do not use the tool if the power cord or plug is damaged. If damaged, have it repaired by a service facility before use. If the plug will not fit the outlet, have a proper outlet installed by a qualified electrician.

## Grounded Tools: Tools with Three Prong Plugs



**3-Prong Plug and Outlet**

1. Sprayers marked with "Grounding Required" have a three wire cord and three prong grounding plug. The plug must be connected to a properly grounded outlet. If the sprayer should electrically malfunction or break down, grounding provides a low resistance path to carry electricity away from the user, reducing the risk of electric shock. **(See 3-Prong Plug and Outlet.)**

2. The grounding prong in the plug is connected through the green wire inside the cord to the grounding system in the sprayer. The green wire in the cord must be the only wire connected to the sprayer's grounding system and must never be attached to an electrically "live" terminal. **(See 3-Prong Plug and Outlet.)**

3. The sprayer must be plugged into an appropriate outlet, properly installed and grounded in accordance with all codes and ordinances. The plug and outlet should look like those in the preceding illustration. **(See 3-Prong Plug and Outlet.)**

## Extension Cords

1. **Grounded** sprayers require a three wire extension cord. **Double Insulated** sprayers can use either a two or three wire extension cord.

2. As the distance from the supply outlet increases, you must use a heavier gauge extension cord. Using extension cords with inadequately sized wire causes a serious drop in voltage, resulting in loss of power and possible sprayer damage. **(See Table A.)**

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3. The smaller the gauge number of the wire, the greater the capacity of the cord. For example, a 14 gauge cord can carry a higher current than a 16 gauge cord. **(See Table A.)**
4. When using more than one extension cord to make up the total length, make sure each cord contains at least the minimum wire size required. **(See Table A.)**
5. If you are using one extension cord for more than one sprayer, add the nameplate amperes and use the sum to determine the required minimum cord size. **(See Table A.)**
6. If you are using an extension cord outdoors, make sure it is marked with the suffix "W-A" ("W" in Canada) to indicate it is acceptable for outdoor use.
7. Make sure the extension cord is properly wired and in good electrical condition. Always replace a damaged extension cord or have it repaired by a qualified electrician before using it.

8. Protect the extension cords from sharp objects, excessive heat, and damp or wet areas.




**RECOMMENDED MINIMUM WIRE GAUGE  
FOR EXTENSION CORDS\* (120/240 VOLT)**


NAMEPLATE AMPERES (at full load)	EXTENSION CORD LENGTH				
	25'	50'	75'	100'	150'
0 – 2.0	18	18	18	18	16
2.1 – 3.4	18	18	18	16	14
3.5 – 5.0	18	18	16	14	12
5.1 – 7.0	18	16	14	12	12
7.1 – 12.0	18	14	12	10	-
12.1 – 16.0	14	12	10	-	-
16.1 – 20.0	12	10	-	-	-

**TABLE A**

\* Based on limiting the line voltage drop to five volts at 150% of the rated amperes.

## Symbology

	Double Insulated
	Canadian Standards Association
	Underwriters Laboratories, Inc.

<b>V</b>	Volts
	Alternating Current
<b>A</b>	Amperes

## Specifications

Electrical Input	120VAC / 60Hz / 7A
Maximum Working Pressure	3000 PSI

Outlet	1/4"–NPS M
Paint Hose	25' Long

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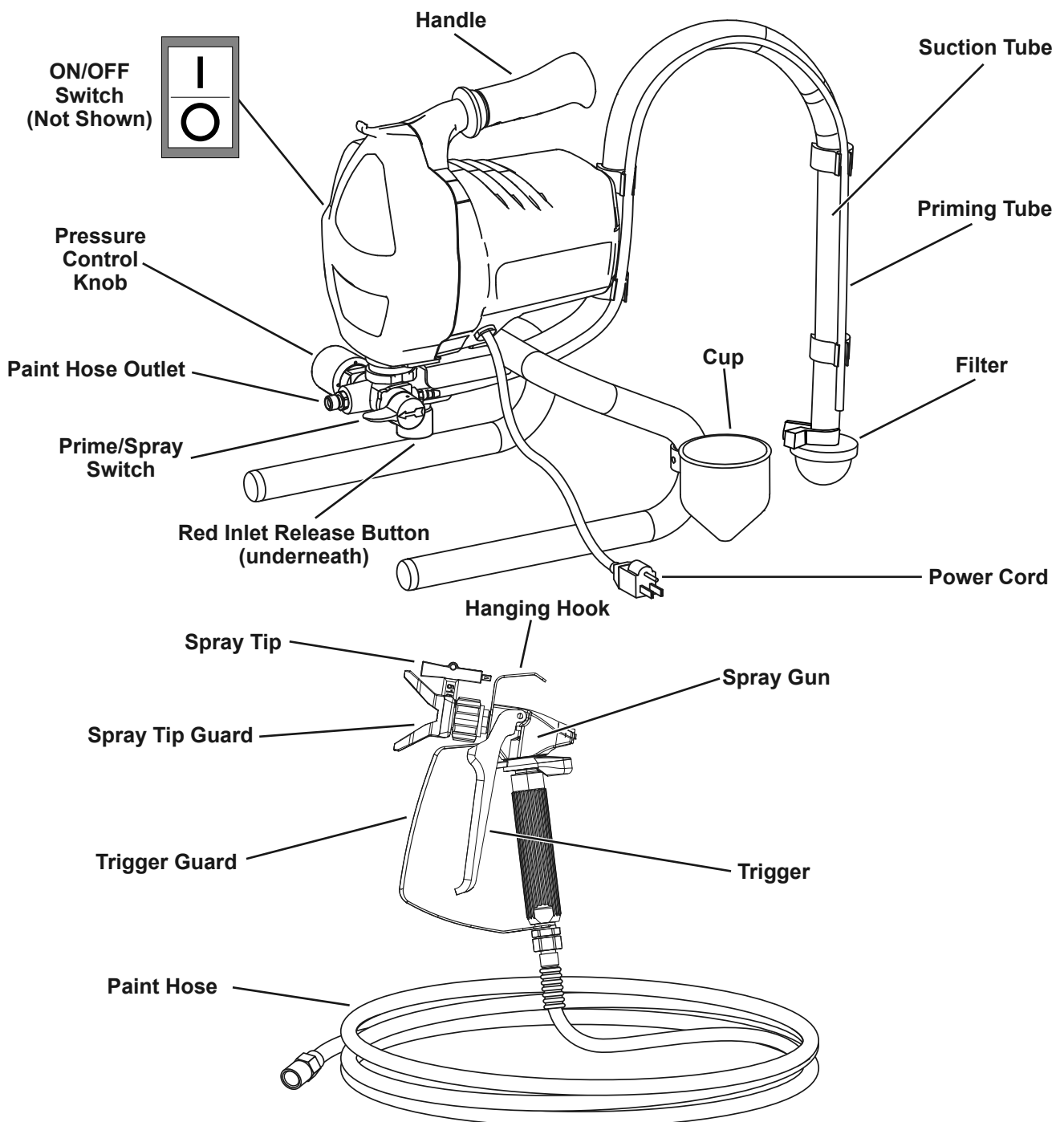
## Setup—Before Use



Read the **ENTIRE IMPORTANT SAFETY INFORMATION** section at the beginning of this manual including all text under subheadings therein before set up or use of this product.

**Note:** For additional information regarding the parts listed in the following pages, refer to the Assembly Diagram near the end of this manual.

## Components and Controls



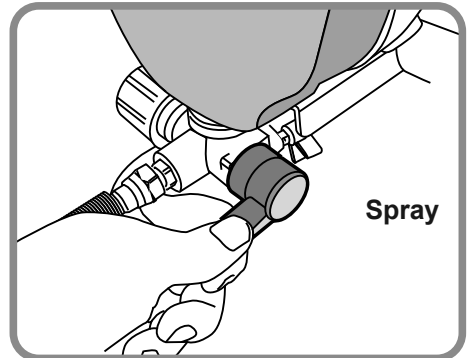
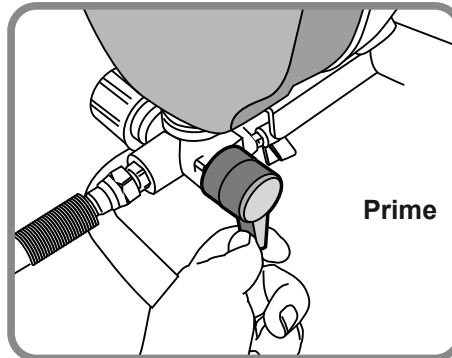


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### Prime/Spray Switch

This switch toggles the unit between priming mode and spraying mode.

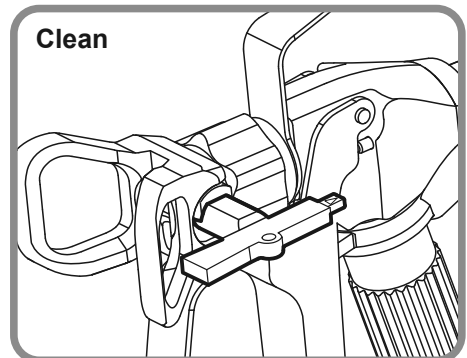
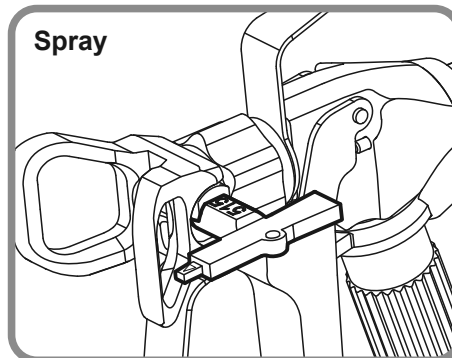


### Nozzle

The nozzle is reversible and removable to make cleaning and unclogging easier.

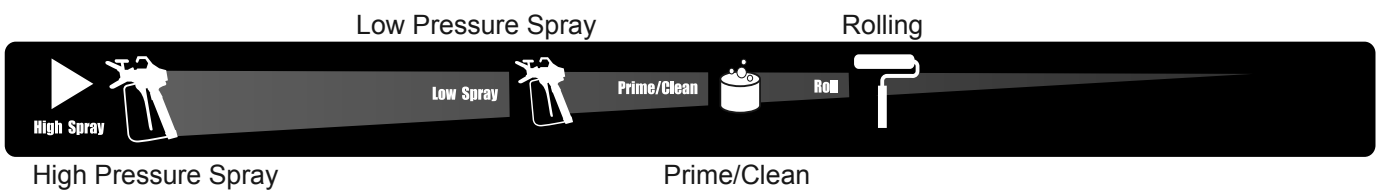
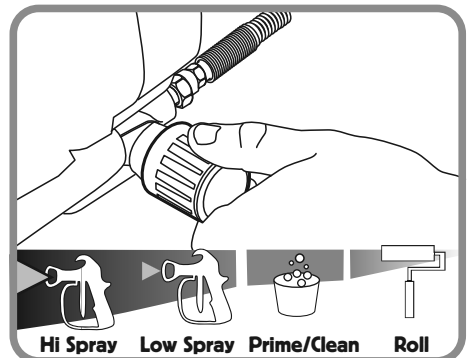
Turn to Spray position to use the spray gun.

Turn to Clean position to clean the nozzle.



### Pressure Control Knob

The Pressure Control Knob can be adjusted for High Pressure Spraying, Low Pressure Spraying, Priming/Cleaning, or Rolling. Align the Pressure Control Knob with indicator on the Sprayer Housing to set the function.



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SAFETY

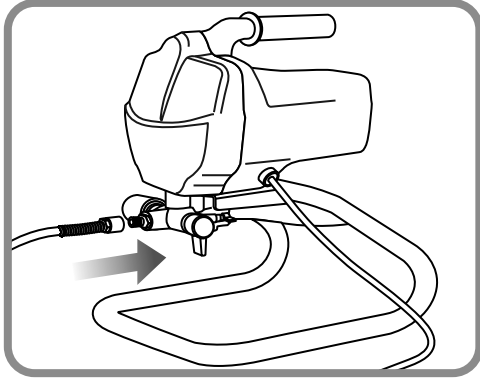
SETUP

OPERATION

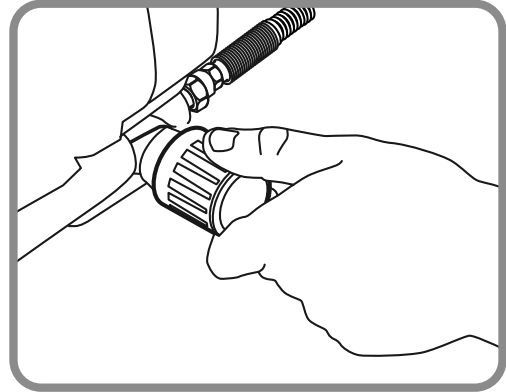
MAINTENANCE

## Set Up

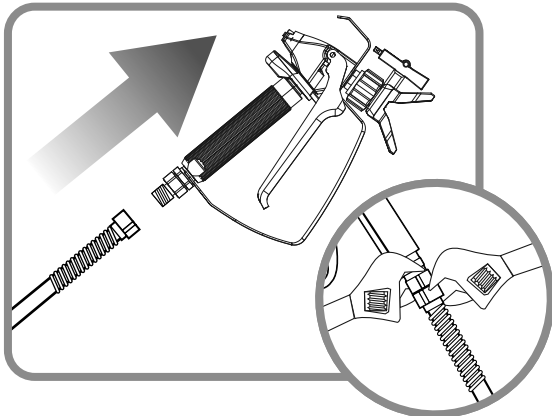
**Note:** Remove or cover objects that you want to protect from overspray (paint mist).



1. Attach Paint Hose to Paint Hose Outlet and tighten with wrench.



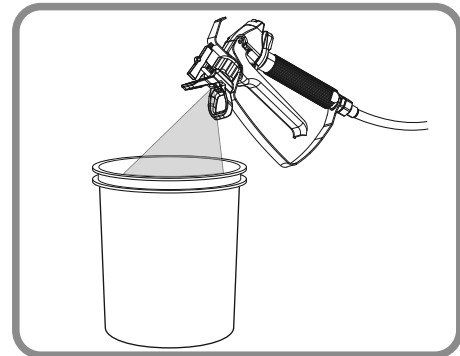
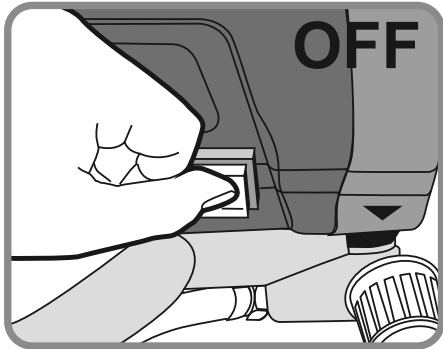
3. Turn Pressure Control Knob to Low Pressure Spray setting.



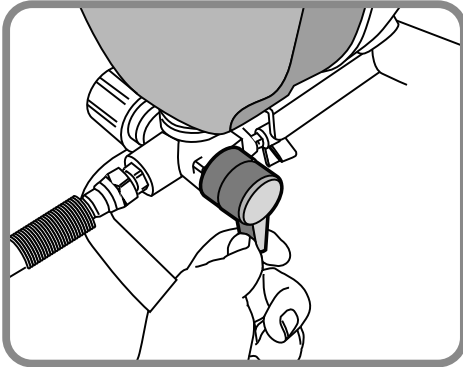
2. Attach Paint Hose to Paint Gun and tighten with two wrenches.

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## To Relieve Sprayer Pressure

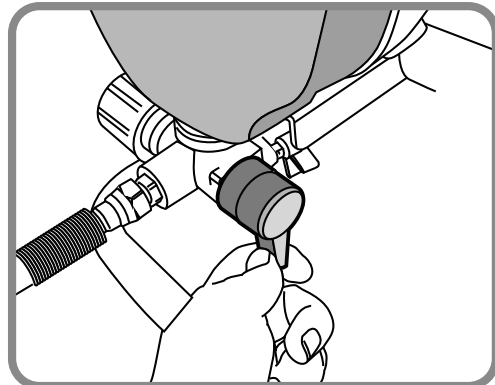


1. Turn Power Switch OFF and unplug unit from outlet.
3. Point gun into paint pail and activate Sprayer Trigger to relieve any remaining pressure.



2. Switch Prime/Spray switch to Prime mode to safely release most pressure.

**Note:** Always set to Prime mode between uses.



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## Operating Instructions



Read the **ENTIRE IMPORTANT SAFETY INFORMATION** section at the beginning of this manual including all text under subheadings therein before set up or use of this product.

Inspect tool before use, looking for damaged, loose, and missing parts.  
If any problems are found, do not use tool until repaired.

## Priming Spray Gun

This procedure is used for first time operation and also to flush storage fluids out of the Sprayer.

### **For Oil-based Paint:**

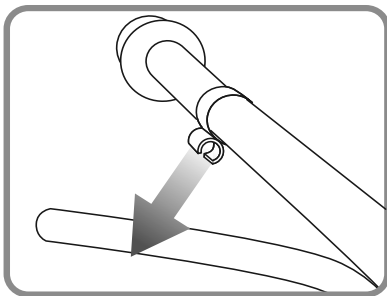
Flush with mineral spirits followed by warm, clean water.

### **For Water-based (Latex) Paint:**

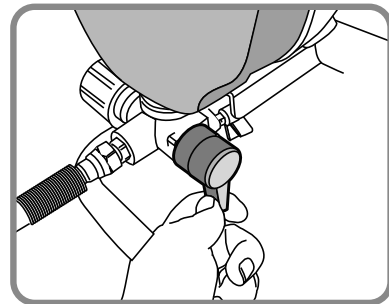
Flush with warm, clean water.

### **WARNING: TO PREVENT FIRE:**

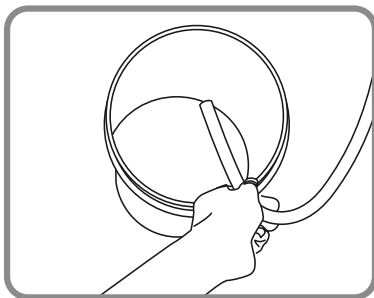
When using mineral spirits, ground gun by holding it against a metal container while flushing.



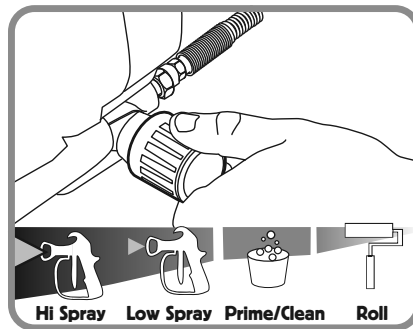
1. Separate smaller Priming Tube from Suction Tube.



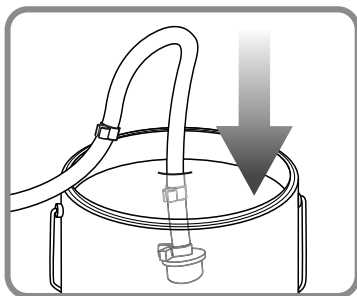
4. Turn Prime/Spray switch to Prime mode.



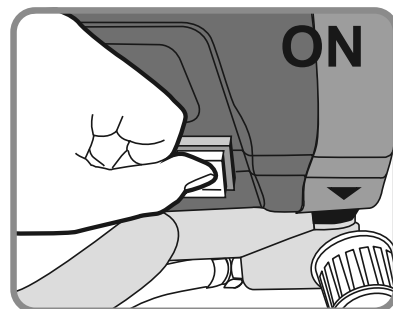
2. Place Priming Tube in waste bucket.



5. Adjust Pressure Control Knob to Prime/Clean setting.



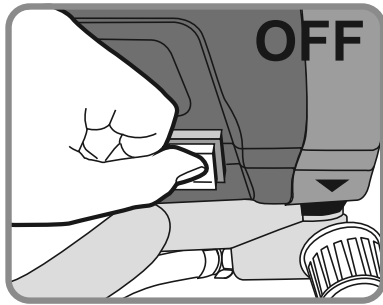
3. Submerge Suction Tube in water or flushing solvent.



6. Plug in Sprayer and turn power ON.

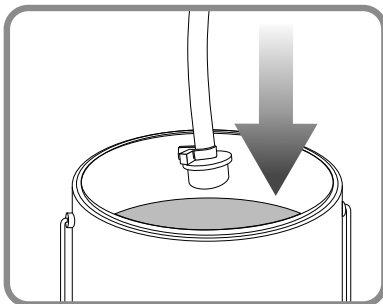
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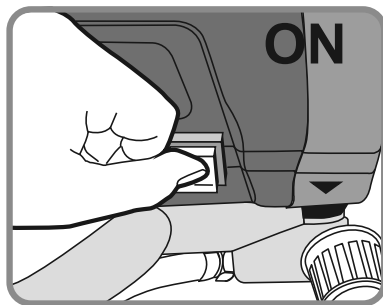


7. Sprayer will start pumping and water or flushing solvent as well as air bubbles will be purged from system. Let fluids discharge from Priming Tube into waste bucket for 30 to 60 seconds, then switch Power to OFF.

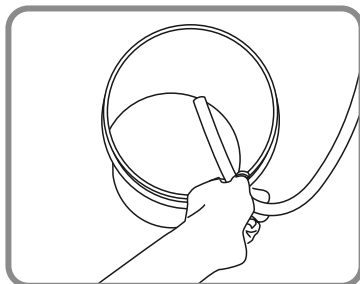
**IMPORTANT:** If solvent will not flow through hoses, try pressing the red inlet release button underneath the pump to loosen the inlet check ball.



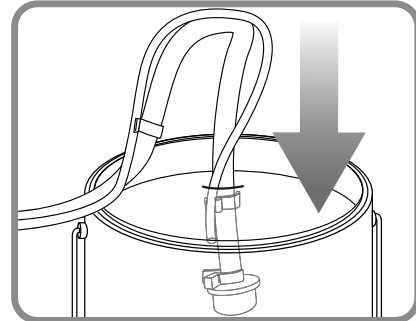
8. Remove Suction Tube from water or flushing solvent and submerge in paint pail.



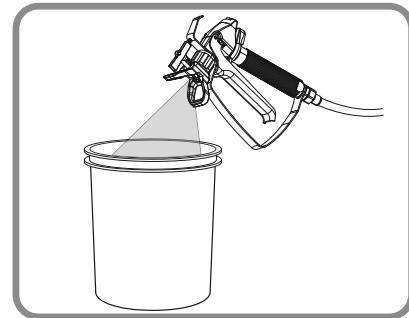
9. Switch power ON.



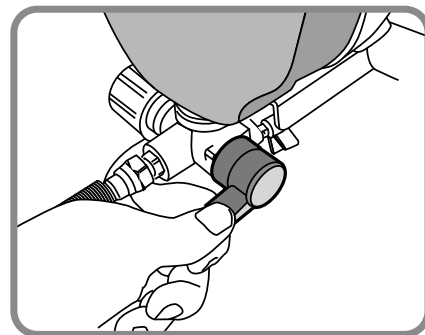
10. Paint should work itself from Suction Tube to Sprayer to Priming Tube until paint discharges from Priming Tube.



11. Switch power OFF. Remove the Priming Tube from the waste bucket and clip to Suction Tube and submerge in paint pail.



12. Switch power ON. Point gun into waste bucket and pull trigger.



13. Turn Spray/Prime Switch to Spray mode and continue to spray into waste bucket.

14. Stop spraying. If the motor stops, the pump and tubes are primed. If it does not stop, repeat priming steps.

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## Painting

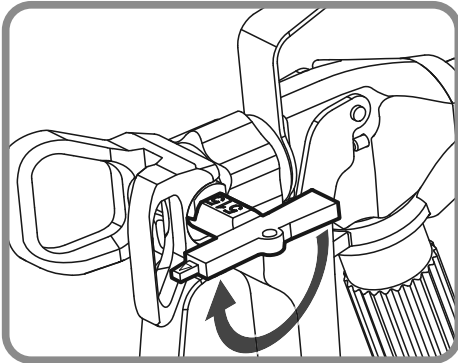


### INJECTION HAZARD!

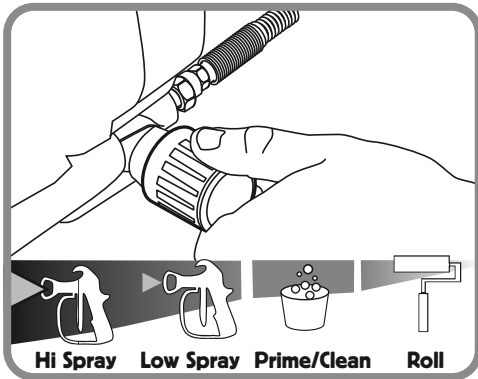
Although this paint gun is airless, it still puts out paint at a very high pressure. Through improper use, paint can be injected through a person's skin, leading to serious injury, possibly amputation. If paint is accidentally injected into someone's skin, contact a doctor immediately. Do not treat an injection injury as a simple cut. Injection can lead to amputation and requires immediate surgical treatment.

Before painting, ensure the Sprayer has been primed (see Priming and Startup steps) and verify that Nozzle Tip is aligned properly. Practice painting techniques on a scrap workpiece before painting your workpiece.

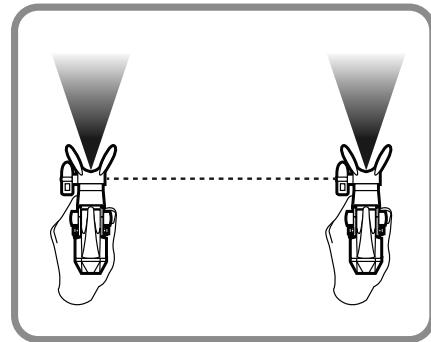
**Note:** Remove or cover objects that you want to protect from overspray and paint mist.



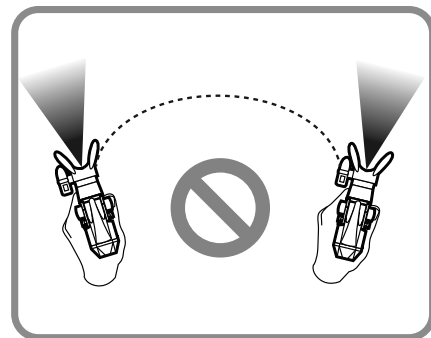
1. Once primed, adjust nozzle to Spray setting.



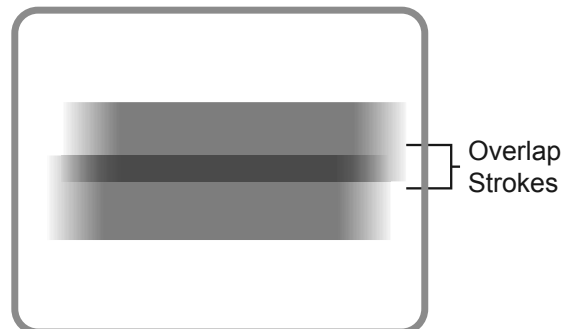
2. Start spraying at the lowest setting on the Pressure Control Knob and increase pressure as needed by turning clockwise to create a good spray pattern.



3. Keep gun straight and move arm across at a steady rate while staying one foot from the surface.



4. Do not fan the gun or paint will be uneven.



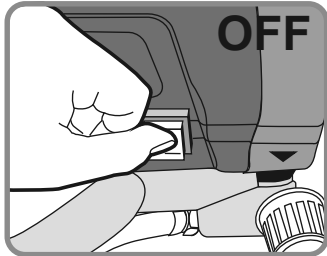
5. Overlap strokes by half. Always aim stroke at bottom edge of last stroke.

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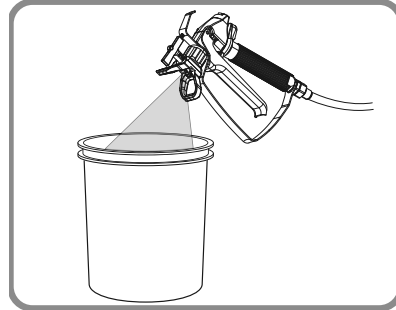
**Clean Sprayer immediately to prevent permanent damage.**

## Clearing Spray Tip

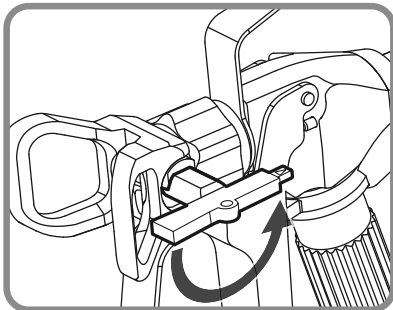
Occasionally, the Spray Gun Tip will become clogged with paint. Follow these instructions to clear Spray Gun Tip.



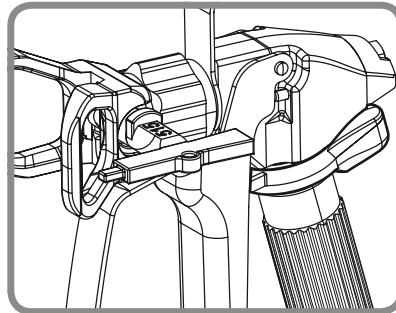
1. Switch power OFF.



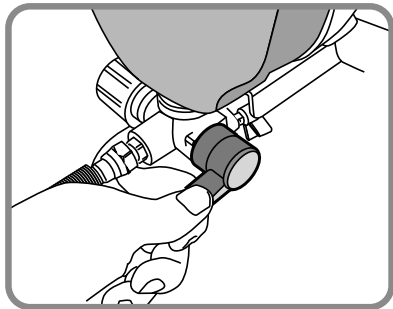
5. Spray into waste bucket until clog clears.



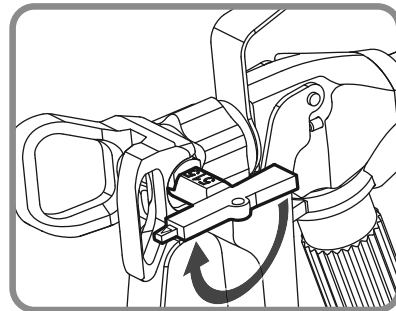
2. Adjust nozzle to Clean setting.



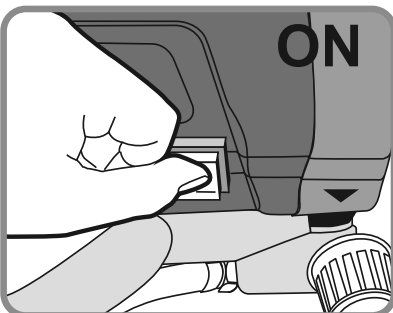
6. Release Trigger.



3. Turn Spray/Prime Switch to Spray mode.



7. Adjust nozzle to Spray setting.



4. Turn power ON.

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## User-Maintenance Instructions



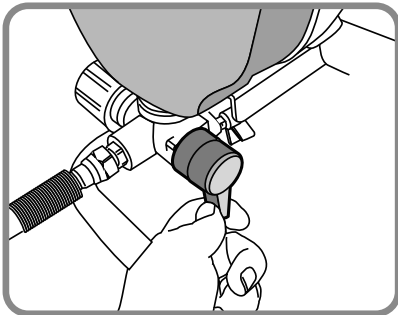
Procedures not specifically explained in this manual must be performed only by a qualified technician.

### **WARNING**

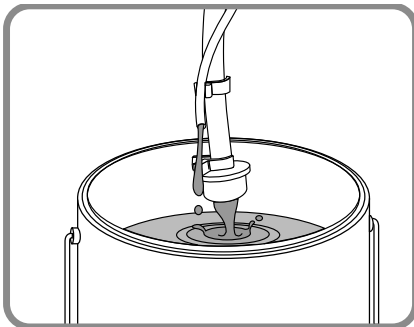
**TO PREVENT SERIOUS INJURY FROM ACCIDENTAL OPERATION:**  
Unplug the Sprayer from its electrical outlet before performing any inspection, maintenance, or cleaning procedures.

**TO PREVENT SERIOUS INJURY FROM TOOL FAILURE:** Do not use damaged equipment.  
If abnormal noise, vibration, or leaking air occurs, have the problem corrected before further use.

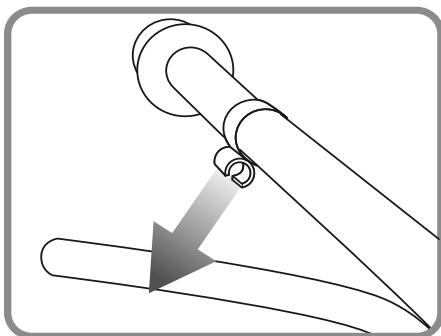
## Cleaning



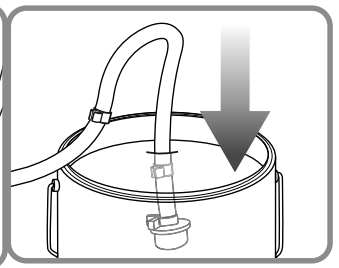
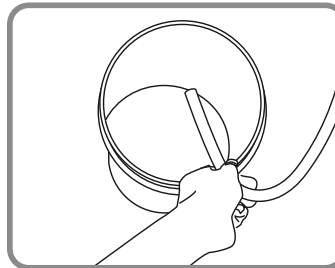
1. Turn power OFF and turn Prime/Spray switch to Prime mode to relieve pressure.



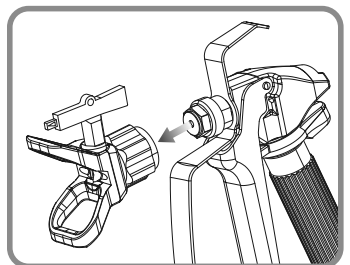
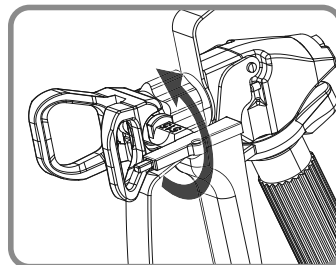
2. Drain paint from Tubes.



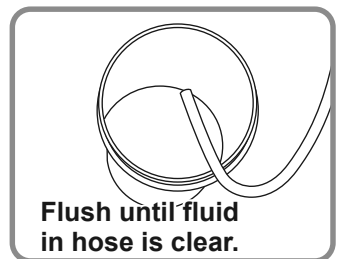
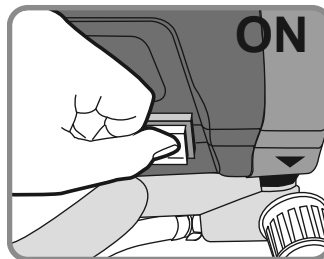
3. Separate tubes.



4. Place Priming Tube in empty waste bucket and submerge Suction Tube in water or flushing fluid.



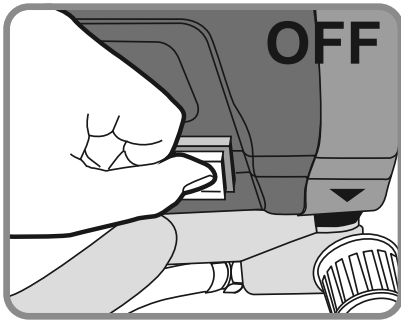
5. Unthread Spray Tip and remove.



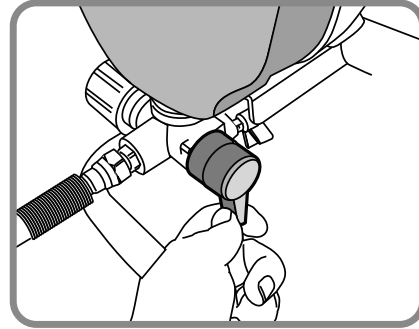
6. Plug in Sprayer and turn power ON.  
Sprayer will start pumping and water or flushing solvent as well as air bubbles will be purged from system.  
Let fluids discharge from Priming Tube into waste bucket until fluid is clear.



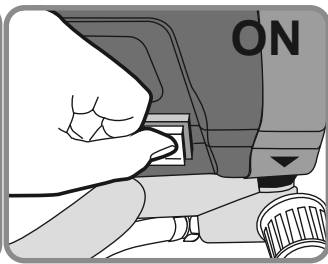
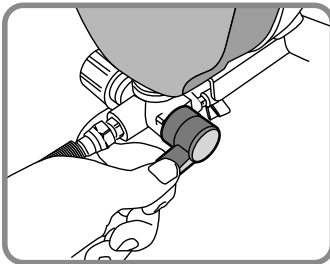
**RETURNS NOT ACCEPTED & WARRANTY VOID**  
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**Clean Sprayer immediately to prevent permanent damage.**



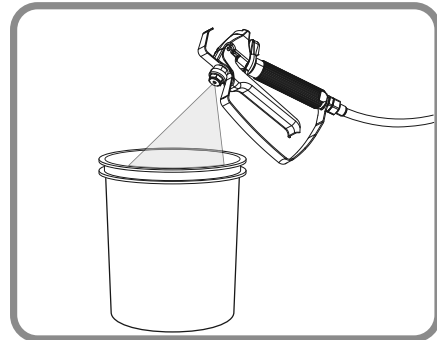
7. After fluid in Priming Tube is clear, switch Power to OFF.



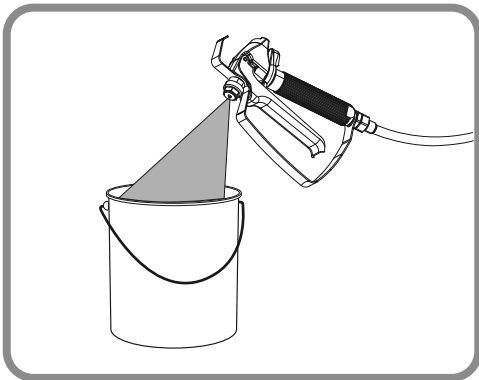
11. Turn to Prime mode.



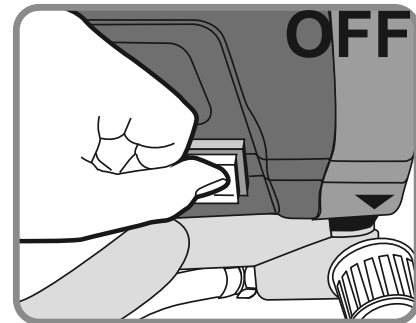
8. Turn to Spray mode and switch power to ON.



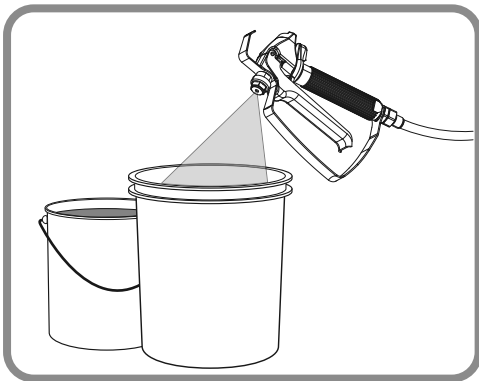
12. Continue to flush until clear.



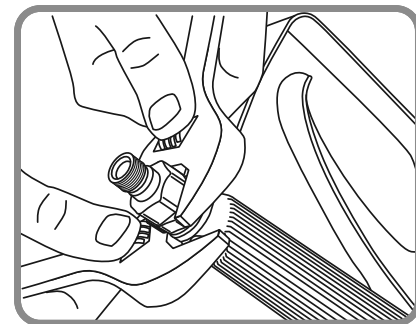
9. Spray paint into paint pail.



13. Release trigger, turn power OFF and turn Prime/ Spray switch to Prime mode to relieve pressure.



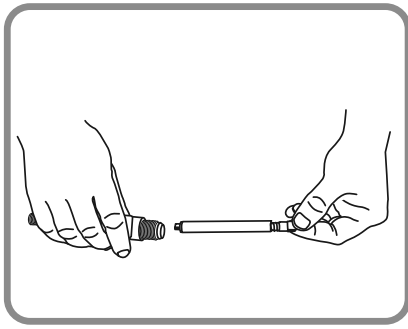
10. Change to waste bucket as paint thins.



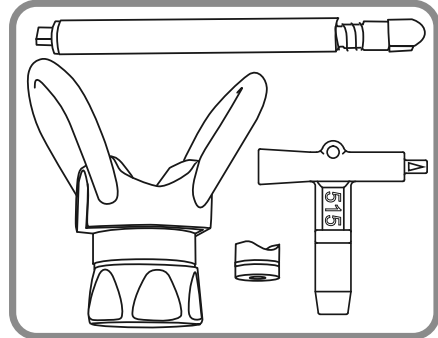
14. Unscrew nut from housing, it is **behind** the swivel connector.

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15. Remove filter.



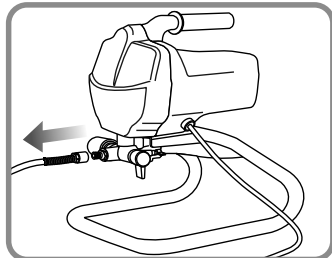
16. Clean all parts in warm, soapy water or flushing fluid with a bristled brush.

## Long-Term Storage

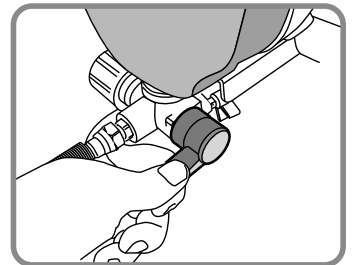
When cleaning for long term storage (more than 48 hours), it is very important that the Paint Sprayer is not stored with any water or water-based material left in the Pump, Hose, Tubes, or Spray Gun. This will corrode the product.

**IMPORTANT:** Clean the Sprayer before storage. Refer to Cleaning on page 16–17.

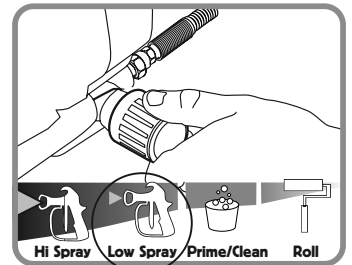
1. Remove paint hose if not already removed.



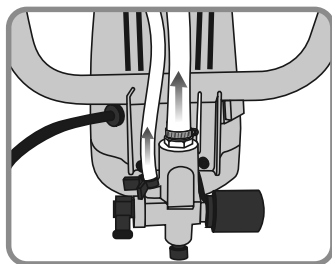
4. Turn Prime/Spray switch to Spray.



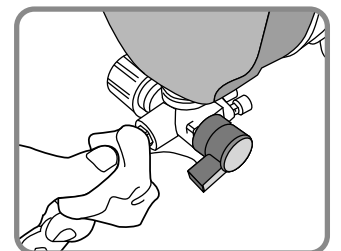
5. Turn Pressure Control Knob to Low/Spray.



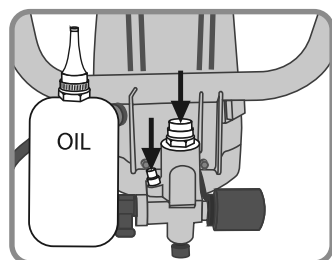
2. Turn the unit over and loosen the Clamps from both Tubes, then disconnect Tubes from the Pump Body.



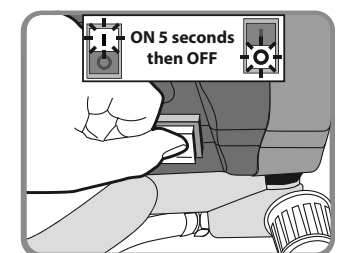
6. Hold a rag over the paint hose outlet.



3. Add one ounce of light household oil or a pump storage product into each inlet.



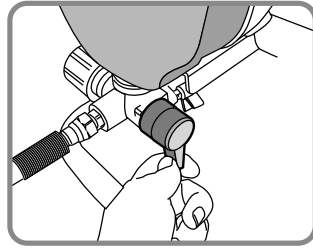
7. Switch Power to ON for five seconds, then turn the power OFF.



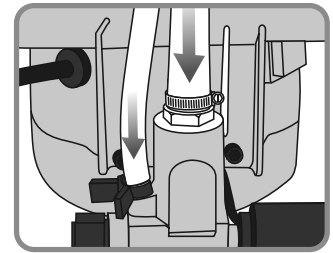
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8. Turn Prime/Spray switch to Prime, this will keep storage fluids in sprayer.



9. Replace the Tubes and secure with the Clamps.



10. Wipe the sprayer with a clean cloth. Store in a clean dry location out of reach of children.

## Troubleshooting

Problem	Possible Causes	Likely Solutions
Pump will not prime.	Insufficient cleaning left input valve clogged.	Press the red inlet release button underneath the pump to loosen the inlet check ball.
Decreased output.	Obstructed trigger.	Clean around trigger to ensure movement.
Inconsistent paint flow, blobs and splatters.	1. Clogged Spray Tip or damaged/clogged Fluid Filter. 2. Contaminated paint.	1. Clean, adjust or replace Spray Tip or Fluid Filter. 2. Remove paint and filter it.
Paint surface is bumpy or has orange peel texture.	1. Paint is applied too thick. 2. Incorrect paint volume. 3. Paint gun too far from paint surface during spraying.	1. Paint must be thinned properly before spraying. 2. Adjust Fluid Control Knob. 3. Hold spray gun closer to surface during spraying.
Paint sags or runs.	1. Excess thinning of paint. 2. Paint applied too thick. 3. Paint gun too close to work surface. 4. Uneven or hesitant motion of spray gun. 5. Excess overlapping of each spray stroke.	1. Recheck paint viscosity. Add unmixed paint to thicken mixture. 2. Apply thinner coats, allowing paint to get tacky between coats. 3. Move spray gun further back from paint surface when applying paint. 4. Keep spray gun moving during painting. Hesitations can cause sags or runs. 5. Overlap each stroke to keep the coverage even, but be aware that you are adding coat thickness by overlapping.
Blotchy surface (blushing) or uneven color.	1. Paint dries too slowly. 2. Uneven paint application. 3. Work material absorbs paint unevenly.	1. Use less thinner or add a drier. 2. Start each stroke off the work material and overlap each stroke consistently. 3. Use a conditioner or sealer coat before applying the finish coat.
Spots on surface with light center (fish eyes).	1. Paint mixture too thin. 2. Improper primer or incompatible surface. 3. Surface contamination.	1. Add undiluted paint to thicken mixture. 2. Check manufacturer's recommendations for primer or compatible surfaces. 3. Clean surface thoroughly with thinner before applying paint.
Spots on surface with dark center (contamination).	1. Dust or dirt on surface. 2. Insufficiently sanded. 3. Raised grain.	1. Clean surface with compressed air or tack cloth before painting. 2. Sand wood to a sufficiently fine grit before painting. 3. Wipe wood surface with thinner to raise grain, then sand with fine grit to knock off "hairs".

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## Disposal Instructions

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Improper disposal of paint is against the law and a health and environmental hazard.  
Dispose of paint through local recycling facility.

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## PLEASE READ THE FOLLOWING CAREFULLY

THE MANUFACTURER AND/OR DISTRIBUTOR HAS PROVIDED THE PARTS LIST AND ASSEMBLY DIAGRAM IN THIS MANUAL AS A REFERENCE TOOL ONLY. NEITHER THE MANUFACTURER OR DISTRIBUTOR MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND TO THE BUYER THAT HE OR SHE IS QUALIFIED TO MAKE ANY REPAIRS TO THE PRODUCT, OR THAT HE OR SHE IS QUALIFIED TO REPLACE ANY PARTS OF THE PRODUCT. IN FACT, THE MANUFACTURER AND/OR DISTRIBUTOR EXPRESSLY STATES THAT ALL REPAIRS AND PARTS REPLACEMENTS SHOULD BE UNDERTAKEN BY CERTIFIED AND LICENSED TECHNICIANS, AND NOT BY THE BUYER. THE BUYER ASSUMES ALL RISK AND LIABILITY ARISING OUT OF HIS OR HER REPAIRS TO THE ORIGINAL PRODUCT OR REPLACEMENT PARTS THERETO, OR ARISING OUT OF HIS OR HER INSTALLATION OF REPLACEMENT PARTS THERETO.

**Record Product's Serial Number Here:** \_\_\_\_\_

**Note:** If product has no serial number, record month and year of purchase instead.

**Note:** Some parts are listed and shown for illustration purposes only, and are not available individually as replacement parts.



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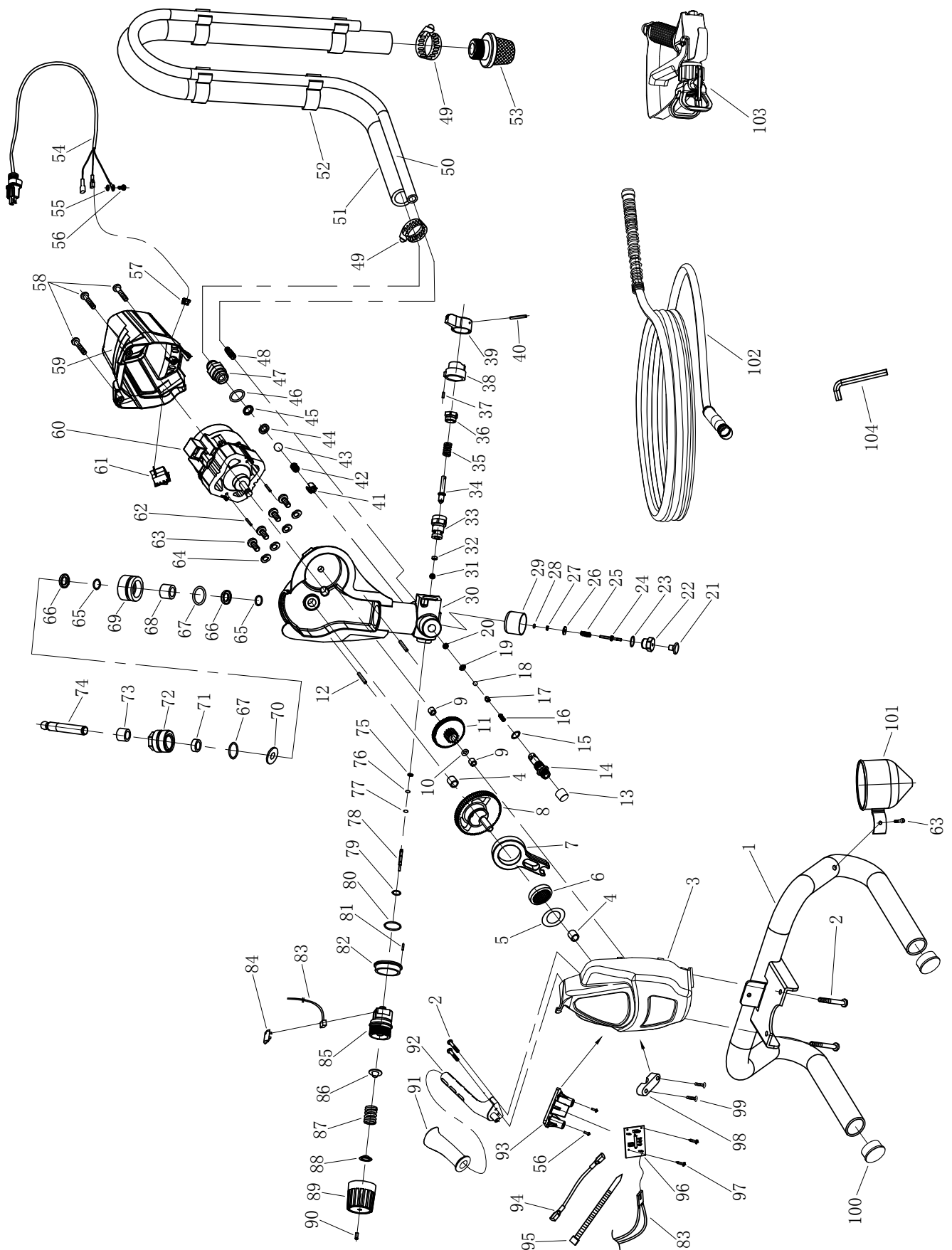
## Parts List and Diagram

### Parts List

Part	Description	Qty	Part	Description	Qty
1	Base Frame	1	53	Filter	1
2	Socket Bolt	4	54	Power Cord	1
3	Housing Cover	1	55	Washer	1
4	Brass Sleeve	2	56	Screw	3
5	Gasket	1	57	Power Cord Retainer	1
6	Bearing	1	58	Socket Bolt	3
7	Connecting Rod	1	59	Motor Housing	1
8	Large Gear	1	60	Motor Assembly	1
9	Copper Sleeve	2	61	Power Switch	1
10	Small Gear Washer	1	62	Pin (3x12)	2
11	Small Gear	1	63	Bolt	5
12	Pin (5x12)	2	64	Washer	4
13	Dust Cover	1	65	O-Ring (12.5x2.65)	2
14	Paint Outlet	1	66	Shield Ring	2
15	O-Ring (10x1.8)	1	67	O-Ring (22.5x1.8)	2
16	Output Spring	1	68	Brass Sleeve	1
17	Output Spring Seat	1	69	Plunger Sleeve	1
18	Steel Ball (6.4)	1	70	Pressure Plate	1
19	Output Valve Seat	1	71	Felt Washer	1
20	Output Valve Seat Gasket	1	72	Connector	1
21	Inlet Release Button	1	73	Brass Guide Bushing	1
22	Lock Nut	1	74	Piston	1
23	O-Ring (12x1.8)	1	75	Lock Sleeve	1
24	Bar	1	76	Seal	1
25	Spring	1	77	Seal	1
26	Copper Gasket	1	78	Pressure Control Pin	1
27	Shield Ring	1	79	O-Ring (8x1.8)	1
28	O-Ring (2.4x1.8)	1	80	O-Ring (27x2.65)	1
29	Sleeve	1	81	Bolt	2
30	Pump Body	1	82	Pressure Seal Cover	1
31	Gasket	1	83	Micro Switch	1
32	Insert Block	1	84	Micro Switch Cover	1
33	Pressure Relief Valve	1	85	Pressure Control Switch	1
34	Pressure Relief Rod	1	86	Pressure Adjusting Spring Seat	1
35	Pressure Relief Spring	1	87	Pressure Adjusting Spring	1
36	Pressure Relief Spring Seat	1	88	Spring Pusher	1
37	Pin (3x12)	1	89	Pressure Control Knob	1
38	Control Valve Seat	1	90	Pressure Control Knob Bolt	1
39	Prime/Spray Valve	1	91	Handle Grip	1
40	Pin (2.5x25)	1	92	Handle	1
41	Feed Valve Spring Seat	1	93	PCB Support	1
42	Feed Valve Spring	1	94	Wire Connector	1
43	Steel Ball (12.7)	1	95	Cable Tie	1
44	Feed Valve Seat	1	96	PCB Assembly	1
45	Washer	1	97	Screw	2
46	O-Ring (17x1.8)	1	98	Power Cord Clamp	1
47	Paint Input Adapter	1	99	Screw	2
48	Priming Tube Connector	1	100	Base Frame End Cap	2
49	Clamp	2	101	Cup	1
50	Priming Tube	1	102	Paint Hose	1
51	Suction Tube	1	103	Spray Gun	1
52	Clip	4	104	Hex Key	1

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## Assembly Diagram



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## Limited 90 Day Warranty

Harbor Freight Tools Co. makes every effort to assure that its products meet high quality and durability standards, and warrants to the original purchaser that this product is free from defects in materials and workmanship for the period of 90 days from the date of purchase. This warranty does not apply to damage due directly or indirectly, to misuse, abuse, negligence or accidents, repairs or alterations outside our facilities, criminal activity, improper installation, normal wear and tear, or to lack of maintenance. 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 product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation of exclusion may not apply to you. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY AND FITNESS.

To take advantage of this warranty, the product or part must be returned to us with transportation charges prepaid. Proof of purchase date and an explanation of the complaint must accompany the merchandise. If our inspection verifies the defect, we will either repair or replace the product at our election or we may elect to refund the purchase price if we cannot readily and quickly provide you with a replacement. We will return repaired products at our expense, but if we determine there is no defect, or that the defect resulted from causes not within the scope of our warranty, then you must bear the cost of returning the product.

This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

