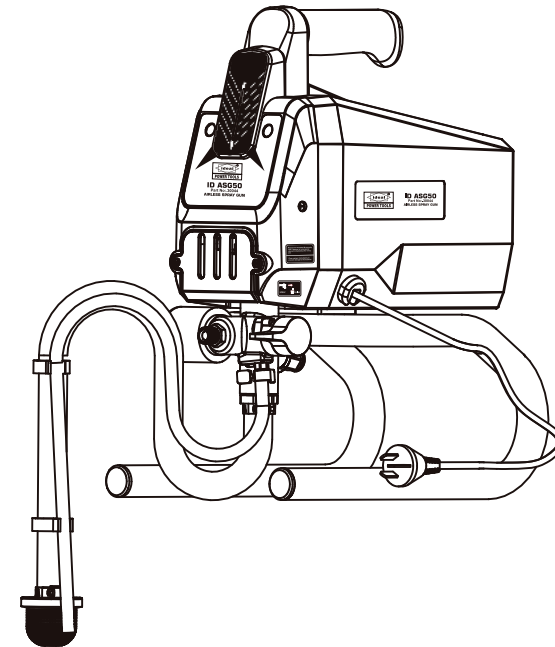


ID ASG50

Part No.:30044





AIRLESS SPRAY GUN



- ⚠ Clean sprayer immediately after use to prevent permanent damage.
- Warranty is void if sprayer is not properly cleaned immediately after each use.
- 👤 Read this material before using this product as serious injury may result.

Save this manual for safety warnings and precautions, assembly, operation, inspection, maintenance, and cleaning procedures.
Write the serial number of the product (or month and year of purchase if the product does not have a serial number) on the back of the manual near the assembly drawing.
Store this manual and receipt in a safe and dry place for future reference.

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.
 DANGER	Indicates a hazardous situation which, if not avoided, will result in death or serious injury.
 WARNING	Indicates a hazardous situation which, if not avoided, could result in death or serious injury.
 CAUTION	Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.
NOTICE CAUTION	Addresses practices not related to personal injury.

IMPORTANT SAFETY INSTRUCTIONS

1. **SAVE THESE INSTRUCTIONS** – To reduce the risks of fire or explosion, electrical shock, and the injury to persons, read and understand all instructions included in this manual. Be familiar with the controls and the proper usage of the equipment.
2. **WARNING** – To reduce the risk of fire or explosion:
 - a. Do not spray flammable or combustible materials near an open flame or sources of ignition such as cigarettes, motors, and electrical equipment.
 - b. For units intended for use with only water-based or mineral spirit-type materials with a minimum flash point of 38°C (100°F) – Do not spray or clean with liquids having a flash point less than 38°C (100°F).
 - c. Paint or solvent flowing through the equipment is able to result in static electricity. Static electricity creates a risk of fire or explosion in the presence of paint or solvent fumes. All parts of the spray system, including the pump, hose assembly, spray gun, and objects in and around the spray area shall be properly grounded to protect against static discharge and sparks. Use only conductive or grounded high-pressure airless paint sprayer hoses specified by the manufacturer.
 - d. Verify that all containers and collection systems are grounded to prevent static discharge.
 - e. Connect to a grounded outlet and use grounded extension cords. Do not use a 3 to 2 adapter.
 - f. Do not use a paint or a solvent containing halogenated hydrocarbons. See operating instructions for examples of these types of materials.
 - g. Keep spray area well ventilated. Keep a good supply of fresh air moving through the area. Keep pump assembly in a well ventilated area. Do not spray pump assembly.
 - h. Do not smoke in the spray area.
 - i. Do not operate light switches, engines, or similar spark producing products in the spray area.
 - j. Keep area clean and free of paint or solvent containers, rags, and other flammable materials.
 - k. Know the contents of the paints and solvents being sprayed. Read all Material Safety Data Sheets (MSDS) and container labels provided with the paints and solvents. Follow the paint and solvent manufacturer's safety instructions.
 - l. Fire extinguisher equipment shall be present and working.
3. **WARNING** – To reduce the risk of skin injection:
 - a. Do not aim the gun at, or spray any person or animal.
 - b. Keep hands and other body parts away from the discharge. For example, do not try to stop leaks with any part of the body.
 - c. Always use the nozzle tip guard. Do not spray without nozzle tip guard in place.
 - d. Only use a nozzle tip specified by the manufacturer.
 - e. Use caution when cleaning and changing nozzle tips. In the case where the nozzle tip clogs while spraying, follow the manufacturer's instructions for turning off the unit and relieving the pressure before removing the nozzle tip to clean.

- f. Do not leave the unit energized or under pressure while unattended. When the unit is not in use, turn off the unit and relieve the pressure in accordance with the manufacturer's instructions.
 - g. High-pressure spray is able to inject toxins into the body and cause serious bodily injury. In the event that injection occurs, seek medical attention immediately.
 - h. Check hoses and parts for signs of damage. Replace any damaged hoses or parts.
 - i. This system is capable of producing 3000 psi. Only use replacement parts or accessories that are specified by the manufacturer and that are rated a minimum of 3000 psi.
 - j. Always engage the trigger lock when not spraying. Verify the trigger lock is functioning properly.
 - k. Verify that all connections are secure before operating the unit.
 - l. Know how to stop the unit and bleed pressure quickly. Be thoroughly familiar with the controls.
4. **WARNING** – To reduce the risk of injury:
 - a. Always wear appropriate gloves, eye protection, and a respirator or mask when painting.
 - b. Do not operate or spray near children. Keep children away from equipment at all times.
 - c. Do not overreach or stand on an unstable support. Keep effective footing and balance at all times.
 - d. Stay alert and watch what you are doing.
 - e. Do not operate the unit when fatigued or under the influence of drugs or alcohol.
 - f. Do not kink or over-bend the hose.
 - g. Do not expose the hose to temperatures or to pressures in excess of those specified by the manufacturer.
 - h. Do not use the hose as a strength member to pull or lift the equipment.

IMPORTANT SAFETY INSTRUCTIONS

1. **Keep the work area clean and well lit.**
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.

IMPORTANT SAFETY INSTRUCTIONS

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.
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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.

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.**



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.

IMPORTANT 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, 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.
11. **Do not use bleach or halogenated hydrocarbon solvents (DCM, 1,1,1-trichloroethane, methyl bromine, carbon tetrachloride, and ethyl iodide).** Long term exposure to many chlorinated hydrocarbons through inhalation can result in liver and kidney toxicity. Exposure of unprotected skin to the solvents used can cause defatting of the skin resulting in dermatitis. Methylene chloride and vinyl chloride have also been shown to be human carcinogens. Some of these solvents are flammable. Welding operations near these materials can create phosgene, a highly toxic gas.
12. **Many spray guns contain aluminum, which reacts strongly to chlorinated solvents.** Contact the solvent or coating manufacturer as needed regarding potential chemical reactions.
13. **Industrial applications must follow OSHA requirements.**
14. **Spraying hazardous materials may result in serious injury or death.** Do not spray pesticide, acid, corrosive material, fertilizer, or toxic chemicals.
15. **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.
16. **Keep paint hose away from sharp objects.** Bursting hoses may cause injury. Examine hoses regularly and replace if damaged.
17. **When flushing Paint Sprayer system, use lowest possible pressure setting.**
18. **All hoses and spray gun accessories used with Paint Sprayer must be pressure rated at or above 3000 PSI.**
19. **The Paint Sprayer must be plugged into an outlet that is grounded in accordance with all local codes and ordinances.**
20. **Use caution while spraying on windy days.**
21. **Do not use Paint Sprayer without the Spray Gun's nozzle guard in place.**
22. **Paint Sprayer's housing may become hot during use.** Do not touch housing until it has completely cooled.
23. **Remove Spray Tip or turn to cleaning position BEFORE cleaning or flushing Paint Sprayer system.**
24. **Do not use pliers to tighten or loosen high pressure connections.**
25. **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.
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.





SAVE THESE INSTRUCTIONS.

GROUNDING

⚠️ WARNING

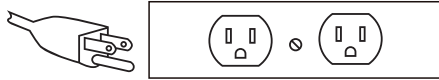
TO PREVENT ELECTRIC SHOCK AND DEATH FROM INCORRECT GROUNDING WIRE CONNECTION: Check with a qualified electrician if you are in doubt as to whether the outlet is properly grounded. Do not modify the power cord plug provided with the tool.

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" plug. The plug must be connected to a properly 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. **Groundeds** prayers require a three wire extension cord. **Double Insulateds** prayers 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.)**
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	18
2.1 – 3.4	18	18	18	16	16
3.5 – 5.0	18	18	16	14	14
5.1 – 7.0	18	16	14	12	12
7.1 – 12.0	18	14	12	10	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

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

2.EQUIPMENT INTRODUCTION AND MAIN DATA

The whole machine using PLC micro-computer chip control system, convenient operating, excellent performance, stable quality, small size, easy to carry. Low noise, perfect atomization, effective spraying, smooth coating, automatic continuous working that improve efficiency 6-10 times, saving paint more than 30%. It is widely used, and be an essential tool for improving the coating surface quality and work efficiency.

Applied paint: oil-based paint, water-based paint, latex paint, colorant, under-coating paint, two-component paint, composition, repair glue.

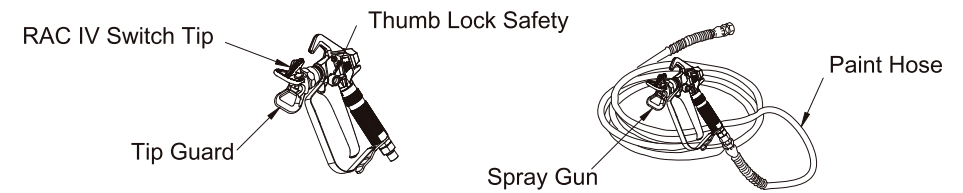
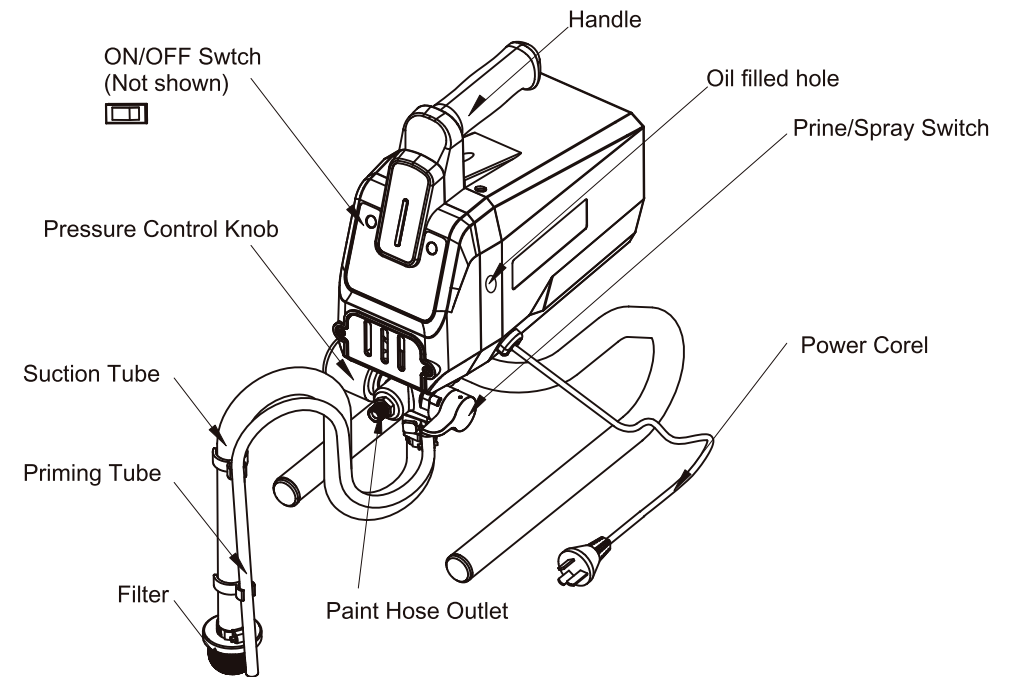
Application: this machine is applicable to do spraying for wall, building, metal and industrial flooring, It is particularly suitable for the surface coating program of modern arch in the wall decor, office building, hotels, ships, bridges and any other large buildings.

MAIN DATA:

Model No:	ID ASG50
Net Weight:	6.5kg
Voltage:	230-120V~
Frequency:	50/60Hz
Rated Power:	650W
Nozzle:	517
Working Pressure:	2500psi
Max Fluid Delivery:	1.4L/min

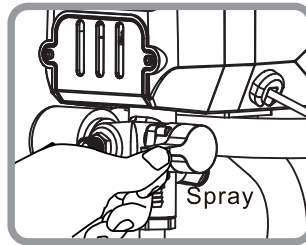
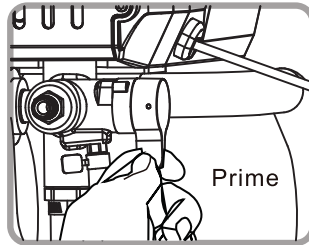
3.Before You begin

Familiarize yourself with the paint sprayer and its functions



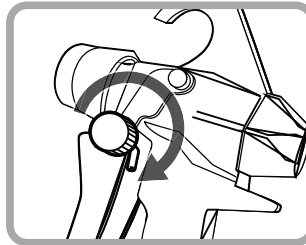
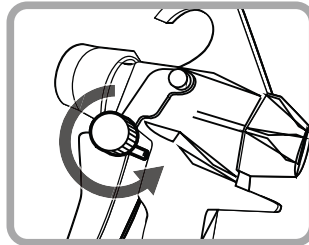
Prime/Spray Switch

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



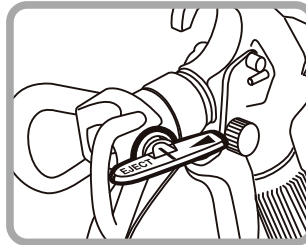
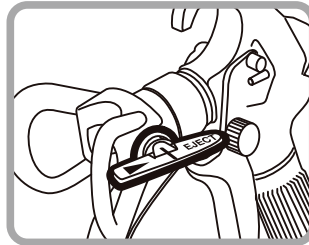
Trigger Lock

When engaged, this mechanism prevents the trigger from being pulled accidentally such as if the gun is dropped.
Lock whenever not in use.



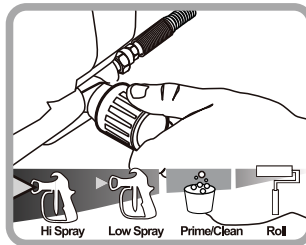
Nozzle

The nozzle is reversible and removable to make cleaning and unclogging easier.
Turn to Spray (→) position to use the spray gun.
Turn to Clean (Eject) 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.



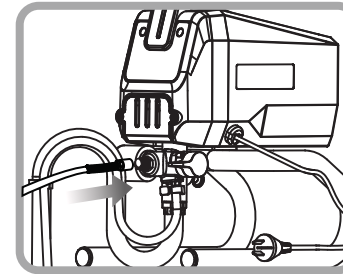
High Pressure Spray

Prime/Clean

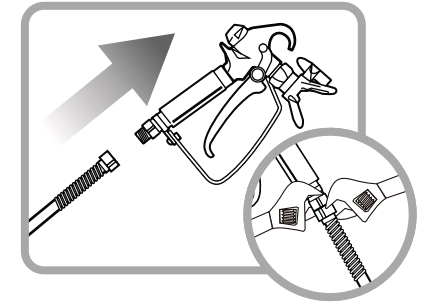
4.SETUP

SETUP

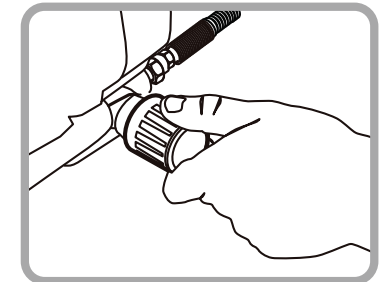
NOTE Remove or cover objects that you want to protect from overspray (paint mist).



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

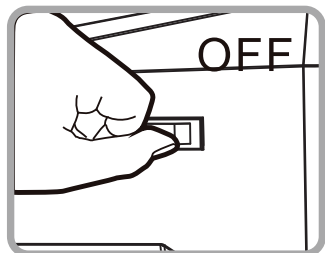


2. Attach Paint Hose to Paint Gun and tighten with two wrenches.

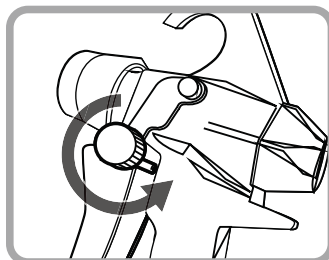


3. Turn Pressure Control Knob to Low Pressure Spray setting.

5.To Relieve Sprayer Pressure

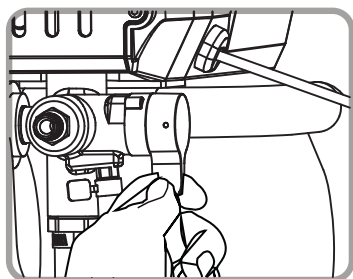


1. Turn Power Switch off and unplug unit from outlet.

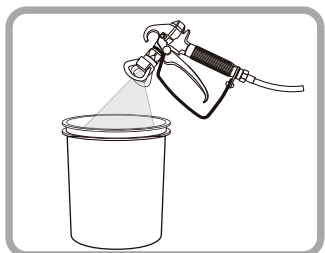


4. Turn Trigger Lock Knob to Locking position.

NOTE Always set to Prime mode between uses.



2. Switch Prime/Spray switch to Prime mode.



3. Point gun into paint pail and activate Sprayer Trigger to relieve pressure.

6. Priming Spray Gun

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

Priming Water-Based vs. Oil-Based Paints

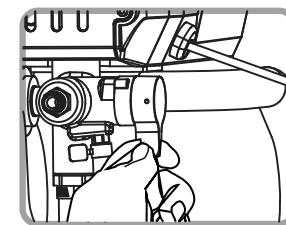
Flush with mineral spirits followed by warm clean water

WARNING ! TO PREVENT FIRE:

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

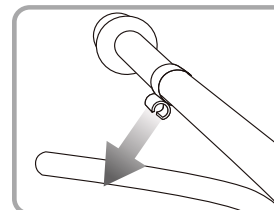
Water-based (Latex) Paint :

Flush with warm clean water.

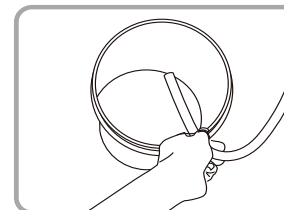


4. Turn Prime/Spray switch to Prime mode.

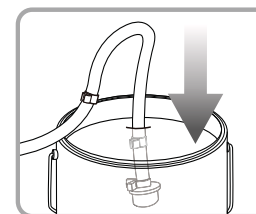
Priming and Startup Steps



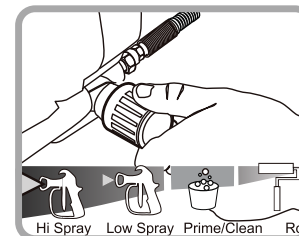
1. Separate smaller Priming Tube from Suction Tube.



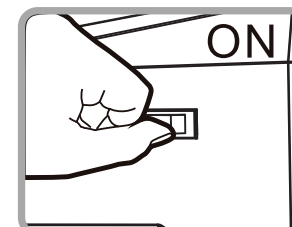
2. Place Priming Tube in waste bucket.



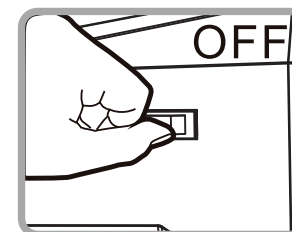
3. Submerge Suction Tube in water or flushing solvent.



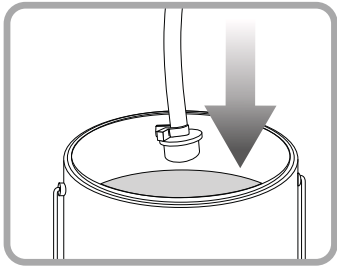
5. Adjust Pressure Control Knob to Prime/Clean setting.



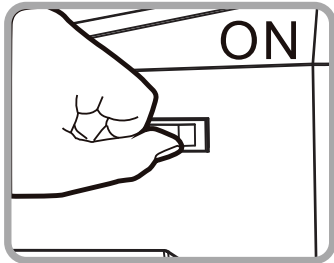
6. Plug in Sprayer and turn on power.



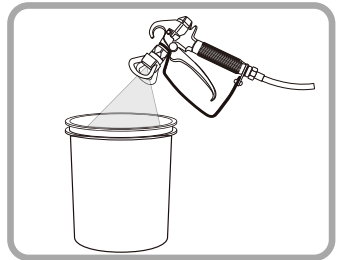
7. Sprayer will start pumping and water or flushing solvent as well as air bubbles will be purged from system. Let fluids discharge from Priming Tube into waste bucket for 30 to 60 seconds then switch Power to Off.



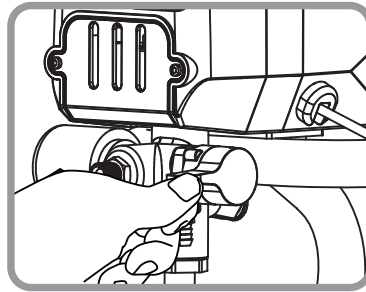
8. Remove Suction Tube from water or flushing solvent and submerge in paint pail



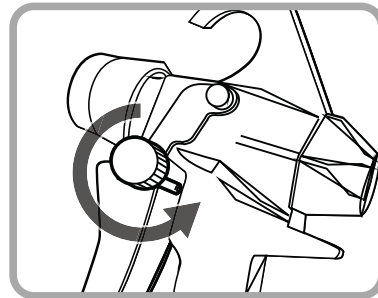
9. Switch Power to On.



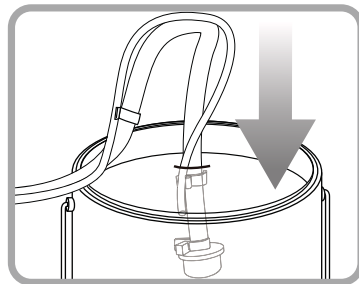
10. Paint should work itself from Suction Tube to Sprayer to Priming Tube until paint discharges from Return Tube. Point gun into waste bucket and pull trigger.



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



12. Stop spraying and activate trigger lock.



13. Remove the Priming Tube from the waste bucket and clip to Suction Tube and submerge in paint pail.

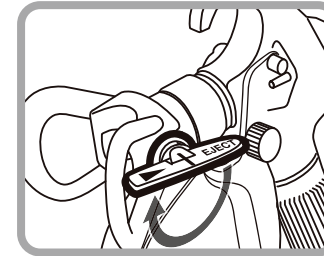
14. If the motor stops, the pump and tubes are primed. If it does not stop, repeat priming steps.

15. Start Painting.

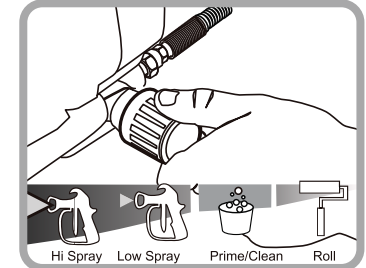
7. Painting

Before painting, ensure the Sprayer has been primed (see Priming and Startup steps) and verify that Nozzle Tip is aligned properly.

Note: Remove or cover objects that you want to protect from overspray and paint mis



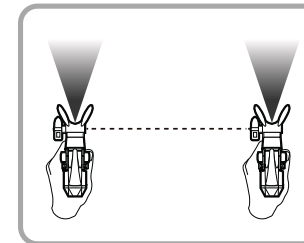
1. Once primed, adjust nozzle to Spray setting.



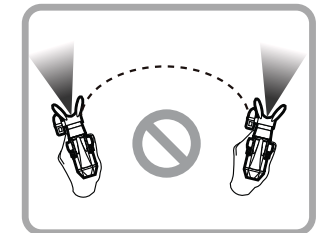
2. Start spraying at the lowest setting on the Pressure Control Knob and increase pressure as needed by turning clockwise to create a good spray pattern.

8. Painting Techniques

Before painting, ensure the Sprayer has been primed (see Priming and Startup steps) and verify that Nozzle Tip is aligned properly. Keep the gun approximately 1 foot from the surface.



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



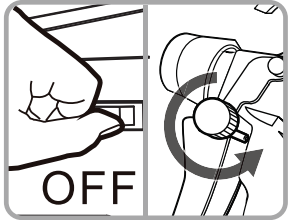
2. Do not fan the gun or paint will be uneven.



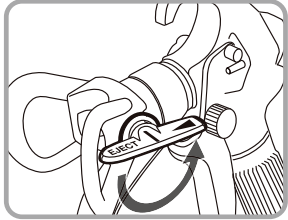
3. Overlap strokes by half, always aim stroke at bottom edge of last stroke.

8. Clearing Spray Tip

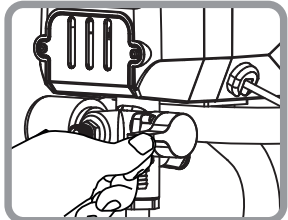
Occasionally, the Spray Gun Tip will become clogged with paint. Follow these instructions to clear Spray Gun Tip.



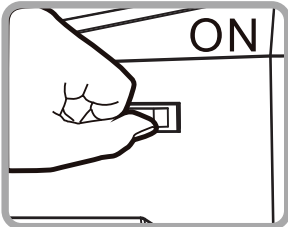
1. Switch power off and set Trigger Lock.



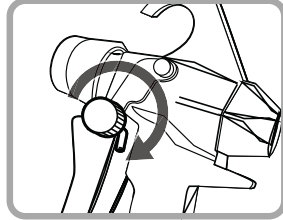
2. Adjust nozzle to clean setting.



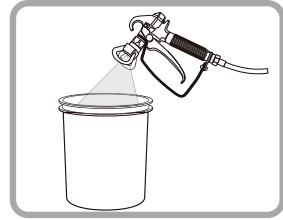
3. Turn Spray/Prime Switch to Spray mode



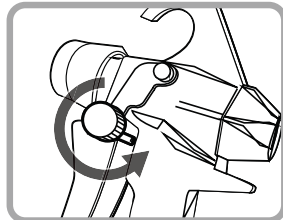
4. Turn power on.



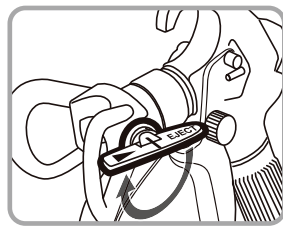
5. Unlock Trigger.



6. Spray into waste bucket until clog clears.

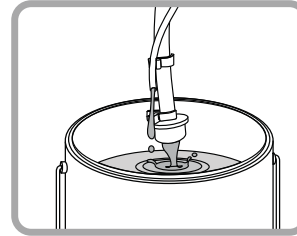


7. Release Trigger and engage Trigger Lock.

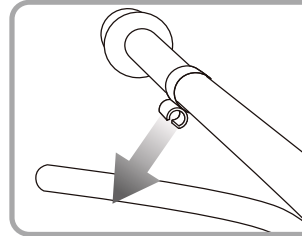


8. Adjust nozzle to Spray mode.

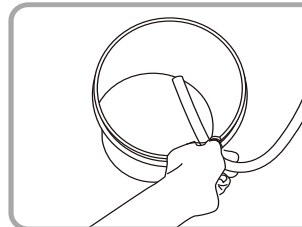
10. Cleaning



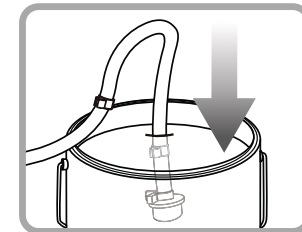
1. Relieve pressure and drain paint from Tubes.



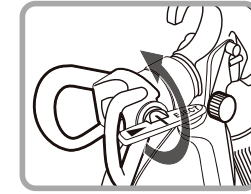
2. Separate tubes.



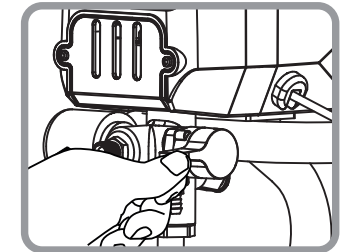
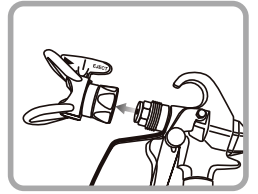
3. Place Priming Tube in empty waste bucket.



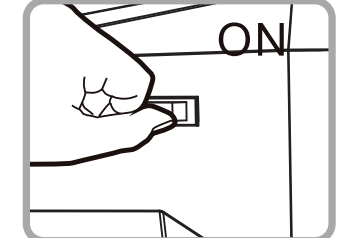
4. Submerge Suction Tube in water or flushing fluid.



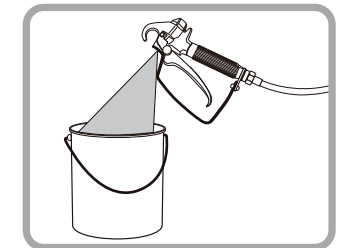
5. Unthread Spray Tip and remove.



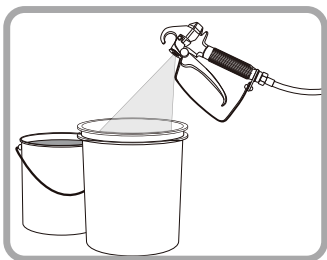
6. Turn to Spray mode.



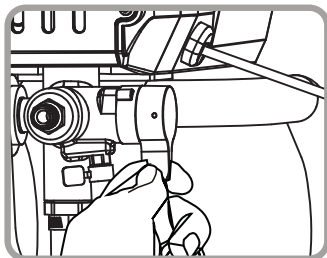
7. Switch power to on



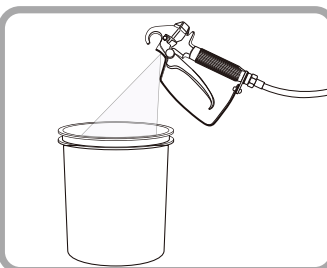
8. Spray paint into paint pail.



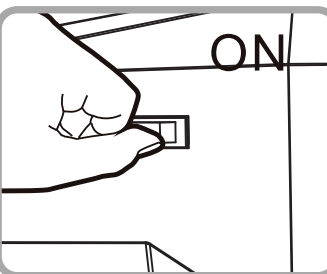
9. Change to waste bucket as paint thins.



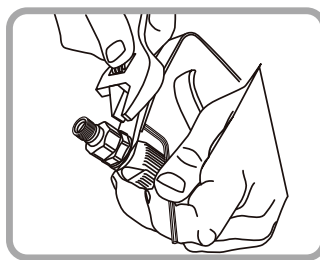
10. Turn to Prime mode.



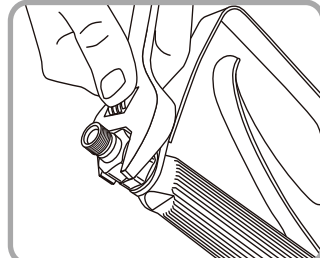
11. Continue to flush until clear



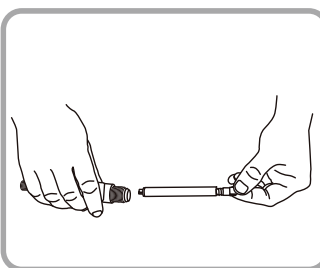
12. Release trigger, turn power off , and relieve pressure.



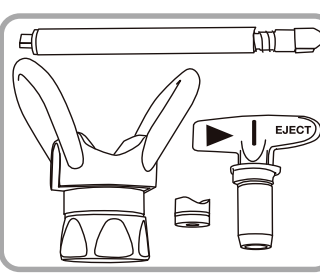
13. Remove trigger guard from housing.



14. Unscrew nut.

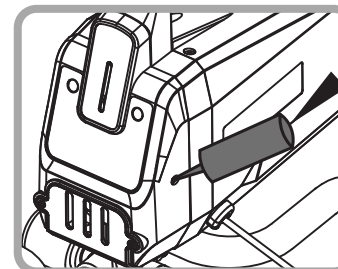


15. Remove filter.



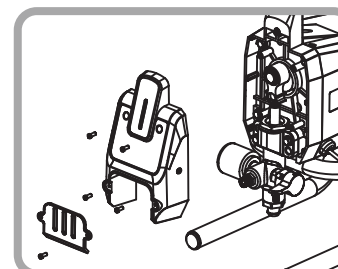
16. Clean all parts in warm, soapy water or flushing fluid with a bristled brush.

11. Daily maintenance

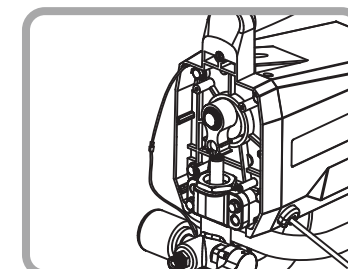


1. Before each use, please add the oil through the oil hole.

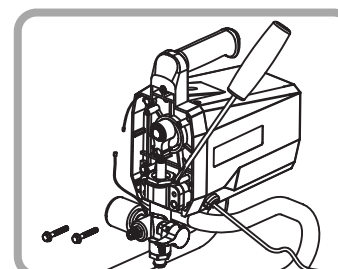
12. Quickly remove pump



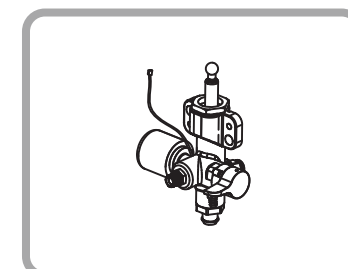
1. Remove the baffle and then remove the front cover.



2. Unplug the voltage regulator quick contact.

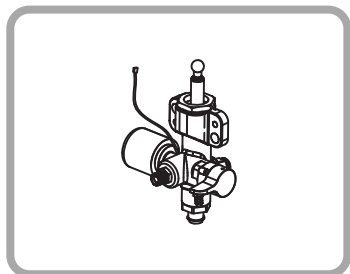


3. After removing the screws from the pump body, use a flat-head screwdriver to pry out the pump body assembly.

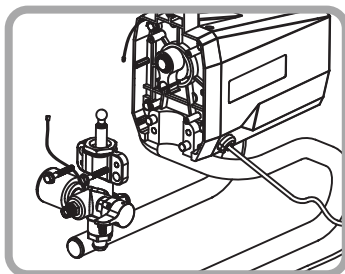


4. Complete the quick removal of pump body components.

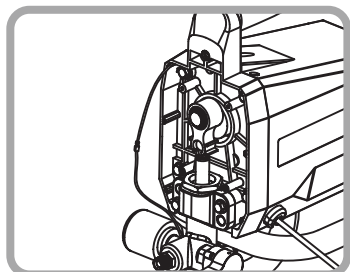
13. Install the pump



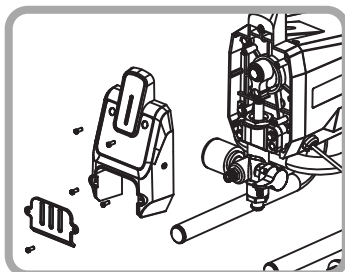
1. Adjust the plunger rod to the position



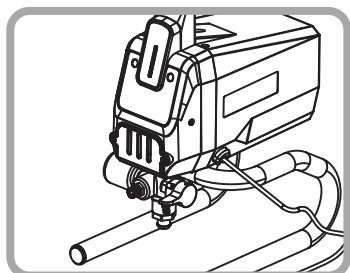
2. Align the front cover dowel with the pump body and install the screws.



3. Attach the voltage regulator quick contact.



4. Install the front cover and then install the baffle plate.



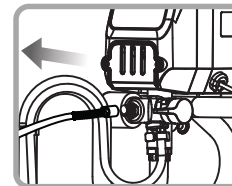
5. Complete machine installation.

14. Long Term Storage

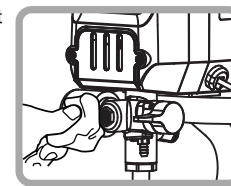
When cleaning for long term storage (more than 48 hours). It is very important that the Paint Sprayer is not stored with any water or water-based material left in the Pump, Hose, Tubes, or Spray Gun. This will corrode the product.

IMPORTANT: Clean the Sprayer before storage.

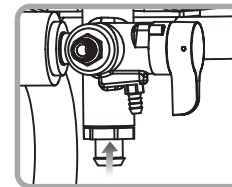
1. Remove paint hose if not already removed.



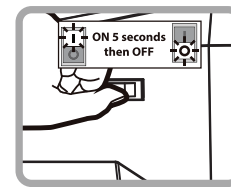
6. Hold a rag over the paint hose outlet.



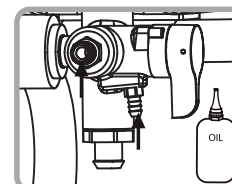
2. Turn the unit over and loosen the Clamps from both Tubes, then disconnect Tubes from the Pump Body



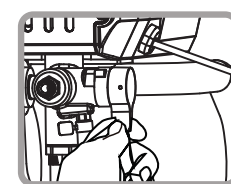
7. Switch Power to ON for five seconds, then turn the power OFF.



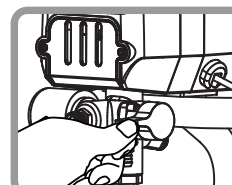
3. Add one ounce of light household oil or a pump storage product into each inlet.



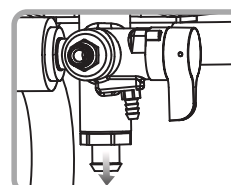
8. Turn Prime/Spray switch to Prime, this will keep storage fluids in sprayer.



4. Turn Prime/Spray switch to Spray.



9. Replace the Tubes and secure with the Clamps.



5. Turn Pressure Control Knob to Low/Spray



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

15. Disposal Instructions



Improper disposal of paint is against the law and a health and environmental hazard.
Dispose of paint through local recycling facility. Visit www.earth911.com to find a facility near you.

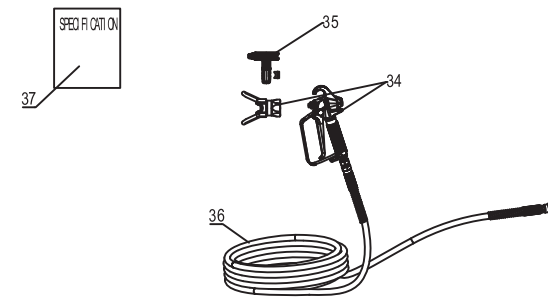
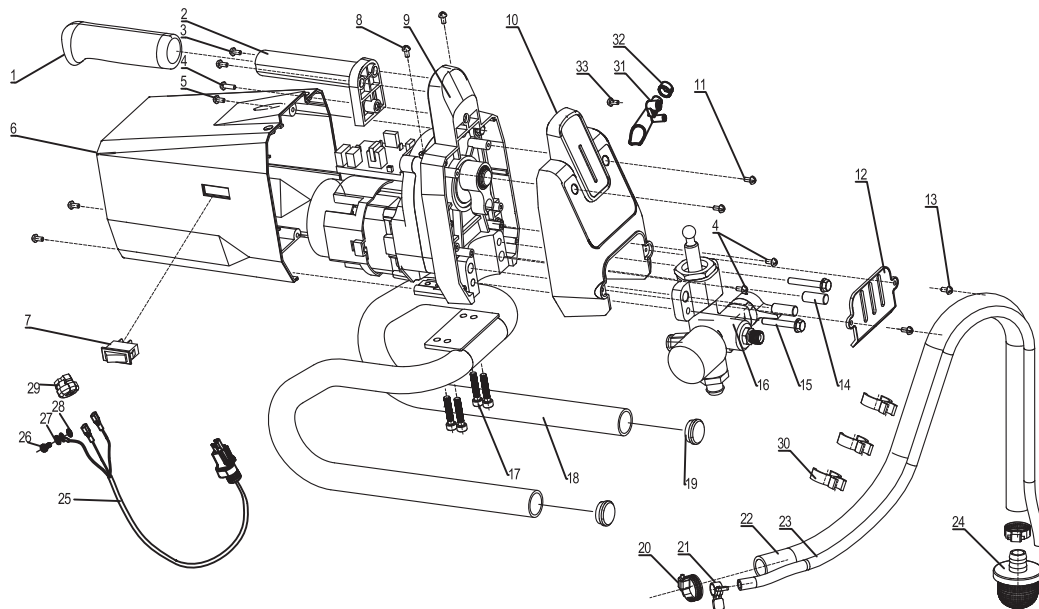
Troubleshooting

Problem	Possible Causes	Likely Solutions
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".

16.Explosive view

3.EXPLOSIVE DIAGRAMS AND PARTS LISTS

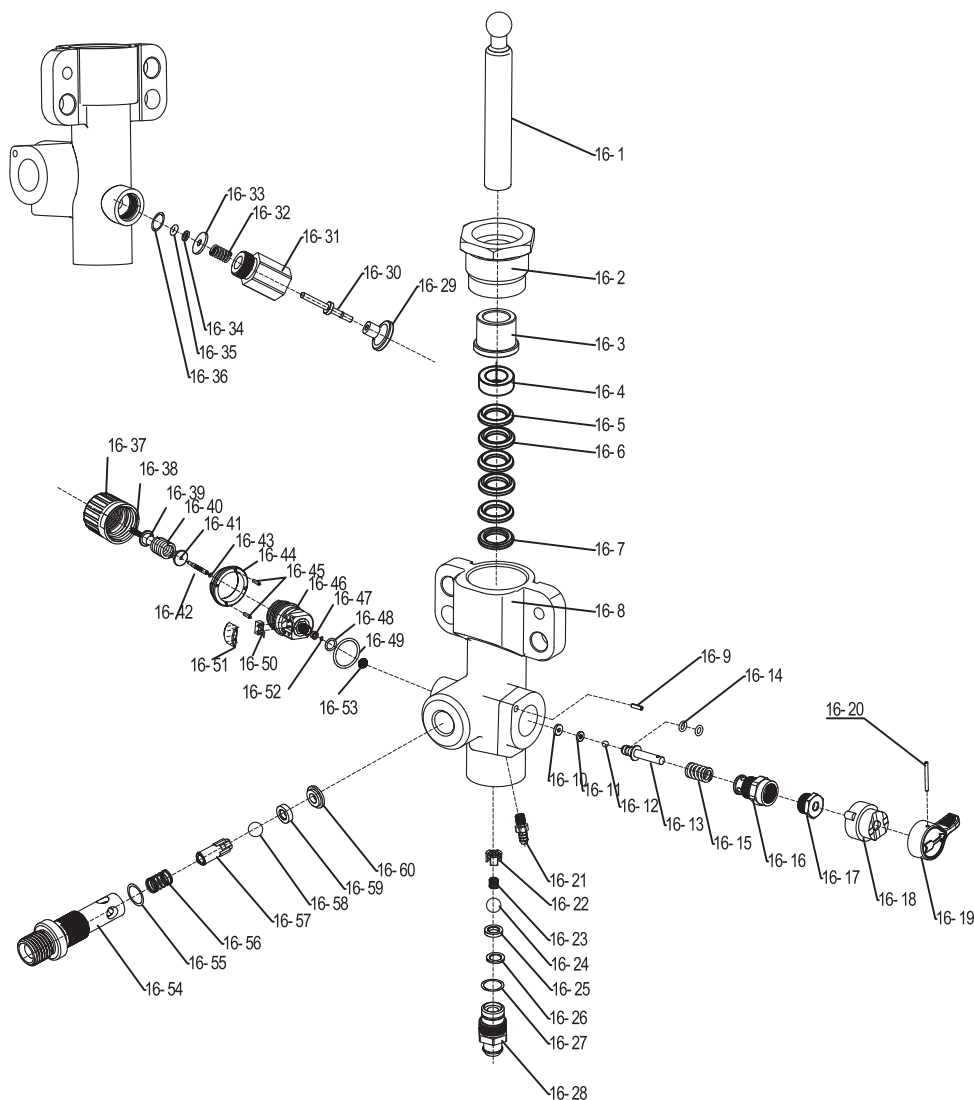
(1).Complete machine



Parts List-Sprayer

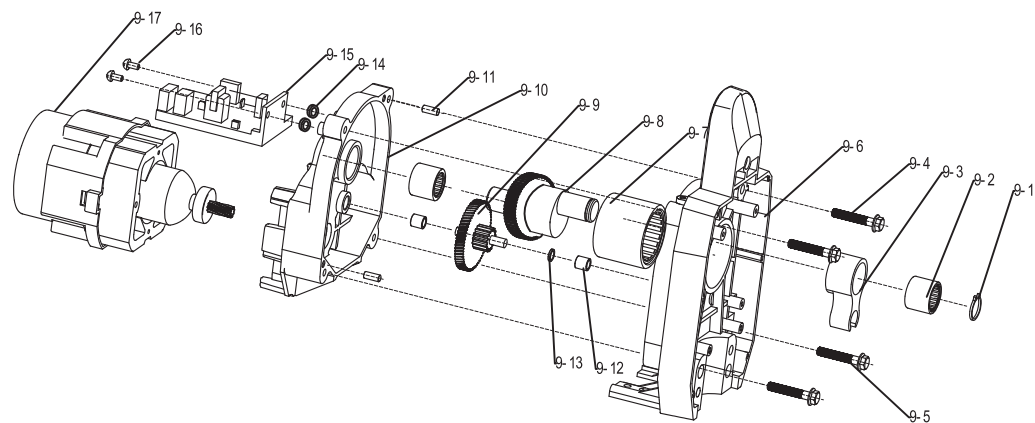
NO.	DESCRIPTION	QTY	NO.	DESCRIPTION	QTY
1	Handle Grip	1	20	Clamp 16-25	2
2	Handle	1	21	Clamp 10.5	1
3	Screw(M4X12)	2	22	Suction Tube	1
4	Screw(M4X20)	3	23	Priming Tube	1
5	Screw(M4X12)	3	24	Filtrate Seat Assembly	1
6	Housing	1	25	Power Cord	1
7	Power Switch	1	26	Screw(M4X10)	1
8	Screw(M4X8)	2	27	Flat Washer 4	1
9	Shaft Ring	1	28	Lock Washer	1
10	Hosing Cover	1	29	The Wire Fixing Seat	1
11	Screw(M4X12)	2	30	Clip	3
12	Baffle	1	31	Oil filling support	1
13	Self-Tapping Screw ST3.5x12	2	32	Screw(M4X20)	1
14	Cylinder Pin(φ8*25)	2	33	Screw(M4X20)	1
15	Outer Hexagon Flange Screw M8*1-35	2	34	Spray Gun	1
16	Plunger Rod	1	35	Nozzle 517	1
17	Outer Hexagon Flange Screw M6X10	4	36	Paint Hose	1
18	Base Frame	2	37	Specification	1
19	Cap	2			

(2).Power control assembly



NO.	DESCRIPTION	QTY	NO.	DESCRIPTION	QTY
16-1	Plunger Rod	1	16-31	Bushing	1
16-2	Seal Ring Lock Nut	1	16-32	Spring	1
16-3	Guide Sleeve	1	16-33	Seal washer	1
16-4	Piston Seal Support Ring I	1	16-34	Pole Sealing Ring	1
16-5	Piston High Pressure Seal Ring	3	16-35	O-RING 2.6X1.8	1
16-6	Piston Low Pressure Seal Ring	2	16-36	O-RING 10X1.8	1
16-7	Piston Seal Support Ring II	1	16-37	Pressure Knob	1
16-8	Pump Body	1	16-38	Pressure Control Bolt	1
16-9	Cylinder Pin(φ3*10)	1	16-39	Spring Pusher A	1
16-10	Seal Washer (1)	1	16-40	Pressure Adjusting Spring	1
16-11	Seal Washer (2)	1	16-41	Spring pusher B	1
16-12	Steel Ball SΦ5	1	16-42	Pressure Control Pin	1
16-13	Pressure Relief pole	1	16-43	O-RING 2X1.2	2
16-14	O-RING 5.0x1.8	2	16-44	Lock Nut	1
16-15	Pressure Relief Spring	1	16-45	Hex Bolt	2
16-16	Pressure Relief Valve	1	16-46	Pressure Adjusting Valve	1
16-17	Spring Seat	1	16-47	Sealing Ring	1
16-18	Valve Seat	1	16-48	O-RING 8.8X1.8	1
16-19	Valve Handle	1	16-49	O-RING 26.5X2.65	1
16-20	Cylinder Pin(2.5*10)	1	16-50	Micro Switch	1
16-21	Paint Output Adaptor	1	16-51	Micro Switch Cover	1
16-22	Paint Output Seat	1	16-52	O-RING 2X1.5	1
16-23	Paint Output Spring	1	16-53	Conical Retaining Ring	1
16-24	Steel Ball φ12.7	1	16-54	Paint Outlet	1
16-25	Paint Input Seat	1	16-55	O-RING 10X1.8	1
16-26	Suction Valve Ball Washer	1	16-56	Output Spring	1
16-27	O-RING 17x1.8	1	16-57	Mandrel	1
16-28	Paint Input Adaptor	1	16-58	Steel Ball(φ6.35)	1
16-29	Hangspike	1	16-59	Ballat Valve Seat	1
16-30	Pole	1	16-60	Press Valve Seat Gasket	1

(3).Displacement Pump



NO.	DESCRIPTION	QTY	NO.	DESCRIPTION	QTY
9-1	Shaft Ring	1	9-13	Gear Washer	1
9-2	Rolling Bearing BHA1112Z	2	9-14	Plastic Gasket	1
9-3	Output Pole	1	9-15	Pcb Assembly	1
9-4	Outer Hexagon Flange Screw M6X 35	2	9-16	Screw(m4x10)	2
9-5	Outer Hexagon Flange Screw M6X 35	2	9-17	Motor Assembly	1
9-6	Gearbox Front Cover	1			
9-7	Rolling Bearing BA2414Z	1			
9-8	Eccentric Assembly	1			
9-9	Tower Gear Assembly	1			
9-10	Gearbox Rear Cover	1			
9-11	Cylinder Pin(φ4*10)	2			
9-12	Gear Bushing 6.35	2			