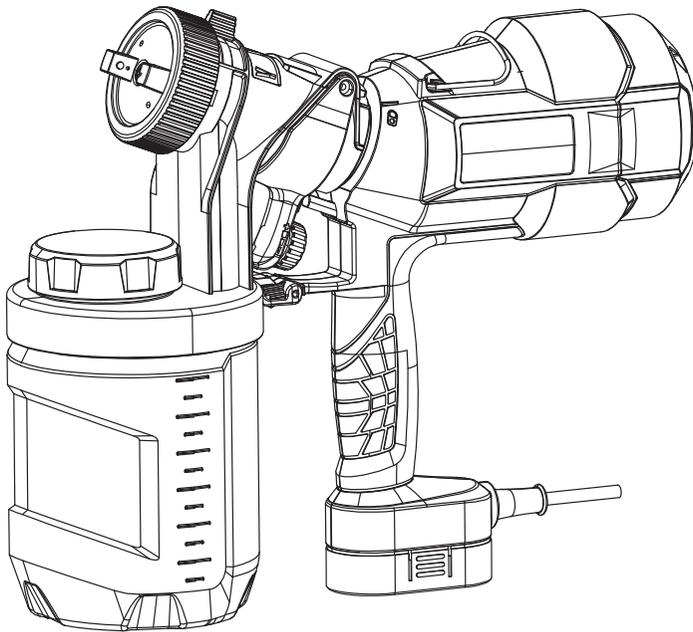


# PLD3151S

**Electric Spray Gun**

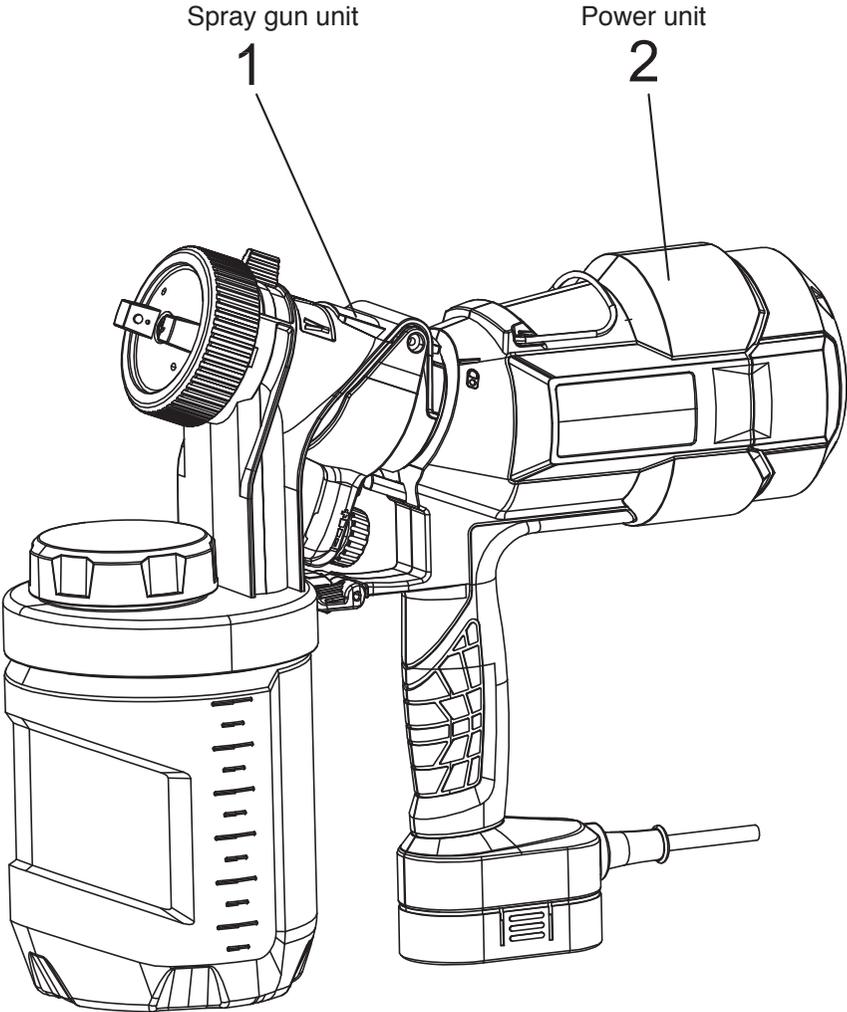


**English**

## **Assembling & Use & Maintenance Manual**

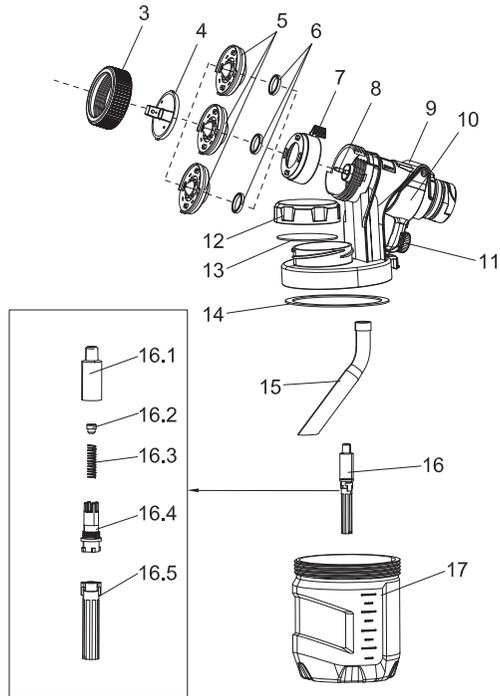
**WARNING: READ INSTRUCTIONS MANUAL BEFORE USING PRODUCT.**

FIG. A



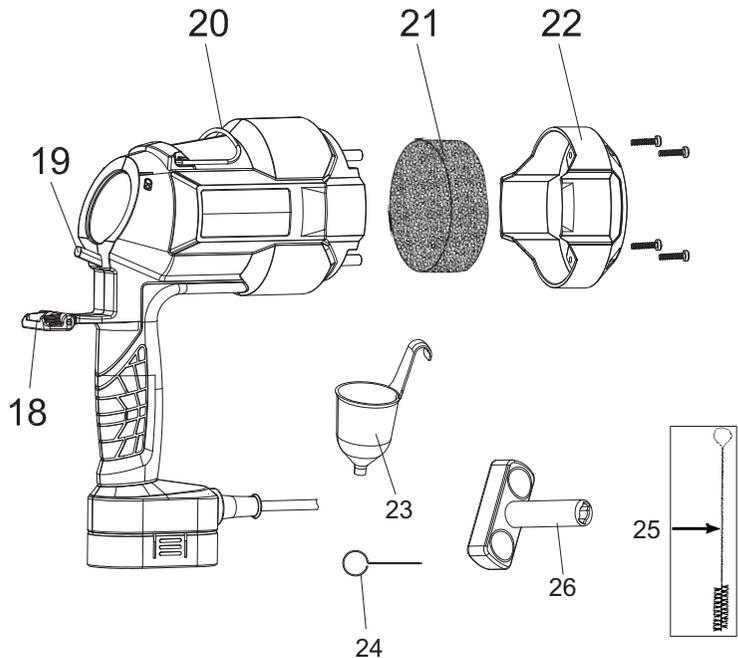
**FIG. A1**

- 3. Tip collar
- 4. Air cap
- 5. Nozzle ( $\Phi 1.5\text{mm}/\Phi 3.5\text{mm}$ )
- 6. Y-type seal ring
- 7. Spray width lever
- 8. Spray tip
- 9. Spray unit housing
- 10. Trigger
- 11. Flow control knob
- 12. Quick refill lid
- 13. Sealing liner
- 14. O-ring
- 15. Pickup tube
- 16. Check valve assembly
  - 16.1 Check valve sleeve 1
  - 16.2 Check valve
  - 16.3 Spring
  - 16.4 Check valve sleeve 2
  - 16.5 Valve extension
- 17. Canister



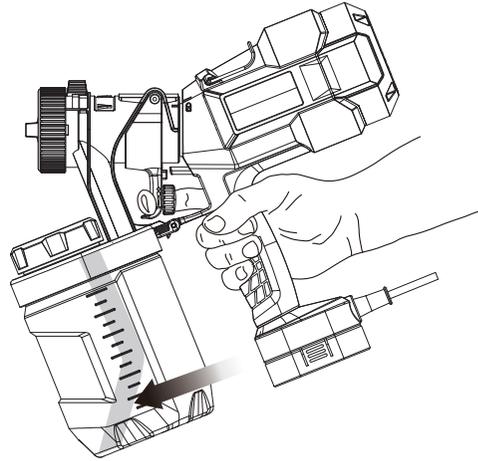
**FIG. A2**

- 18. Quick release lock
- 19. Switch trigger lever
- 20. Hanging hook
- 21. Filter
- 22. Filter cover
- 23. Viscosity cup
- 24. Cleaning needle
- 25. Cleaning brush
- 26. Spray tip key



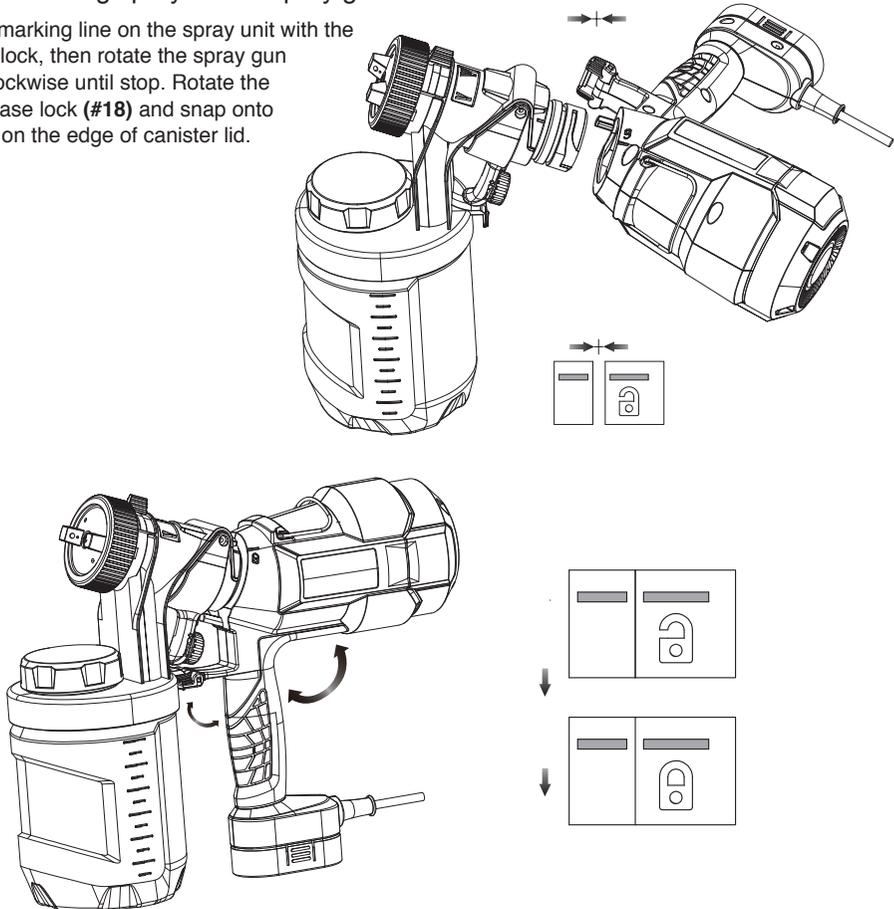
### FIG. B Aligning the pickup tube.

The pickup tube (#15) needs to be aligned in the direction toward the front of the canister. This will ensure you spray as much material as possible before you need to refill. Make sure the pickup tube is assembled tight in place.



### FIG. C Attaching spray unit to spray gun handle.

Align the marking line on the spray unit with the icon of unlock, then rotate the spray gun handle clockwise until stop. Rotate the quick release lock (#18) and snap onto the hook on the edge of canister lid.



**FIG. D**



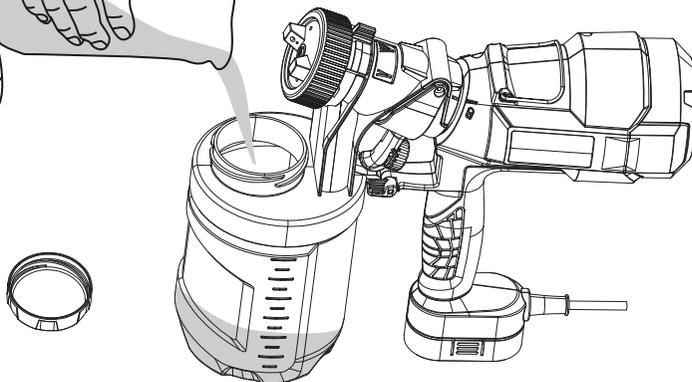
**FIG. D1**



**FIG. E** Filling the canister.

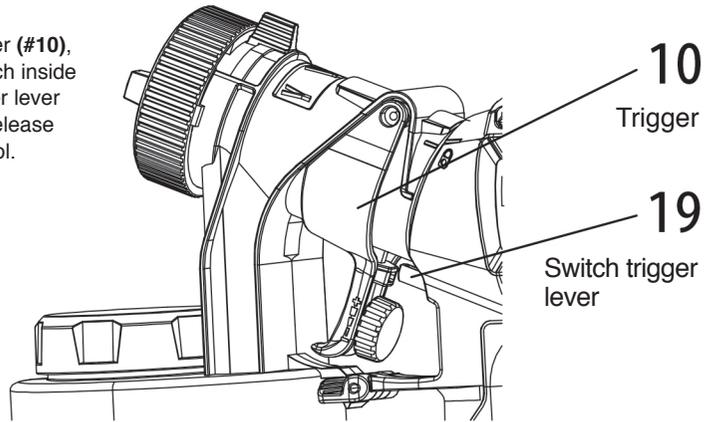


1. Check to make sure that the canister is completely screwed onto the sprayer.
2. Unscrew the quick refill lid (#12)
3. Stand the sprayer firmly on a smooth and horizontal surface.
4. Pour the properly thinned and strained material to be sprayed into the canister.
5. Clean any residual liquid from the threads or sides of the canister and sprayer.
6. Starting the threads evenly, screw the lid completely onto the top fill canister. Check the lid to make sure it is threaded on squarely and completely before picking up the sprayer.

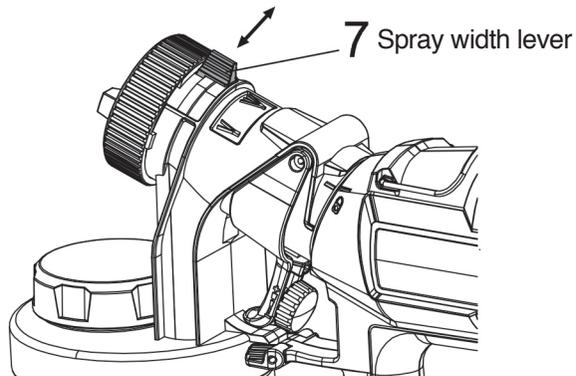
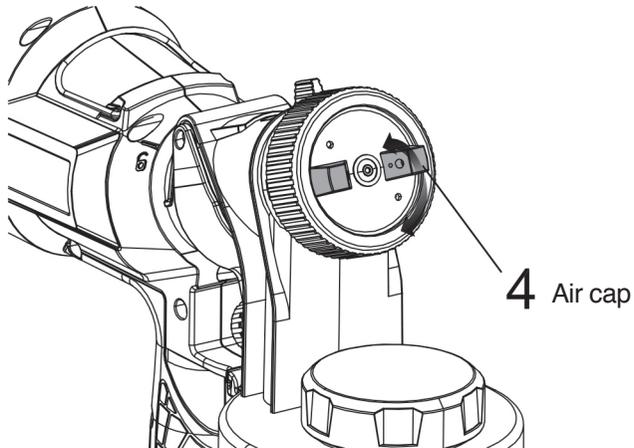


**FIG. F** On / Off Switch

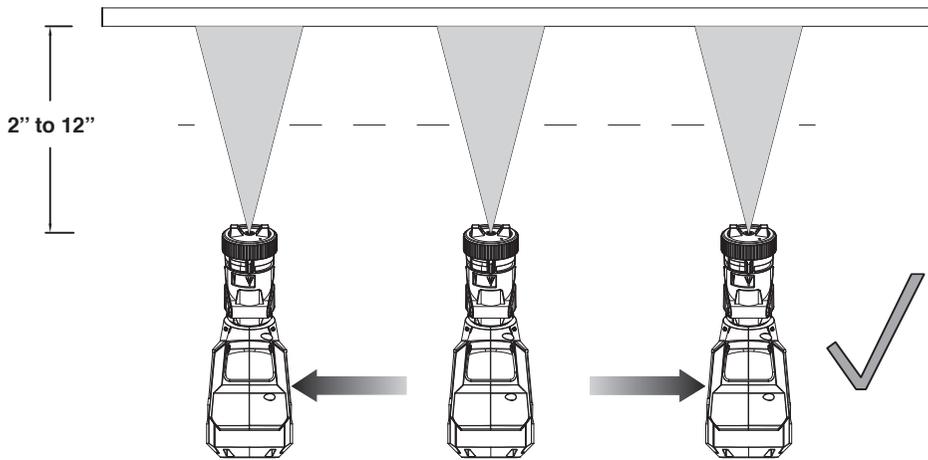
Squeeze to press the trigger (#10), trigger will actuate the switch inside the tool by the switch trigger lever (#19) to turn on the tool. Release the trigger to turn off the tool.



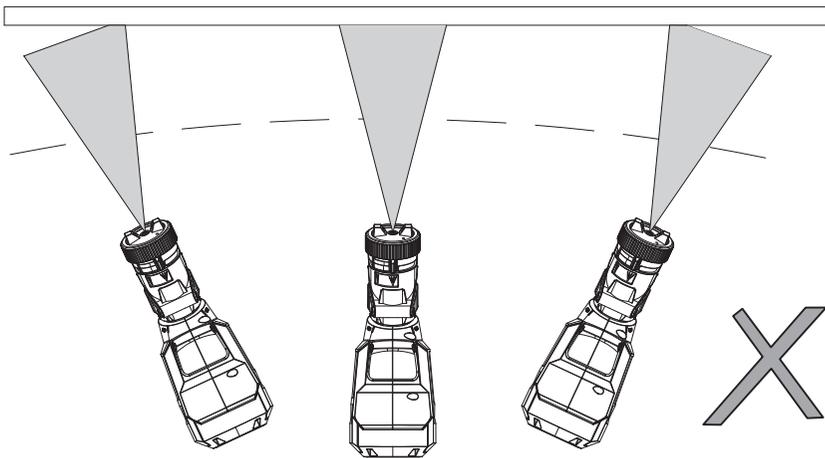
**FIG.G** Smart nozzle selection



**FIG. H** Always spray from a minimum of 2" to a maximum of 12".

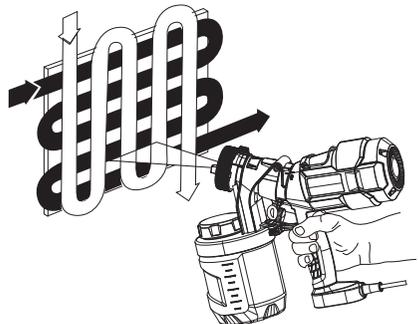


**FIG. I** Avoid moving your wrist.



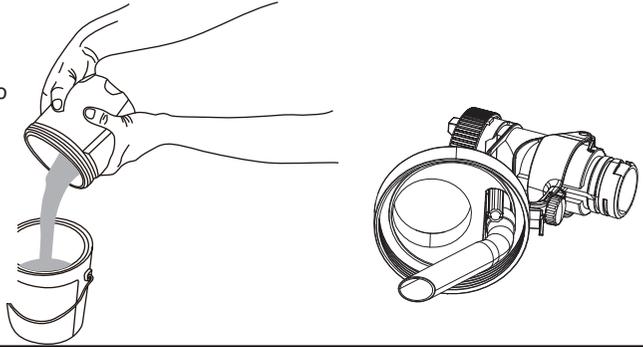
**FIG. J**

A commonly used method for spraying a large surface is the "crisscross" pattern. This is done by spraying in horizontal strips and then crossing over these strips with vertical strips.



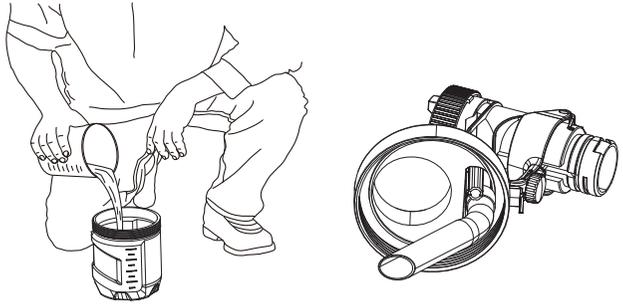
**FIG. K**

Unscrew the canister from the sprayer and pour any remaining liquid back into the original container.



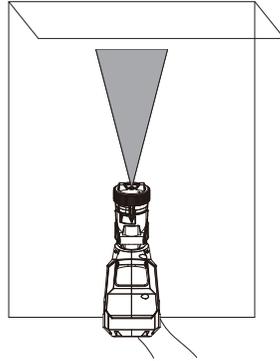
**FIG. M**

Pour a small amount of the appropriate cleaning solution into the canister.

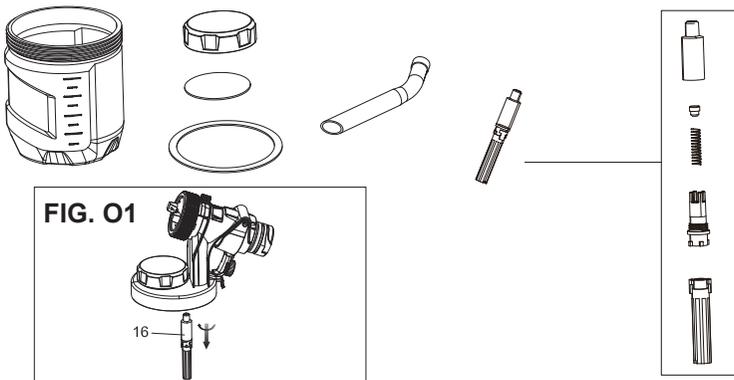


**FIG. N**

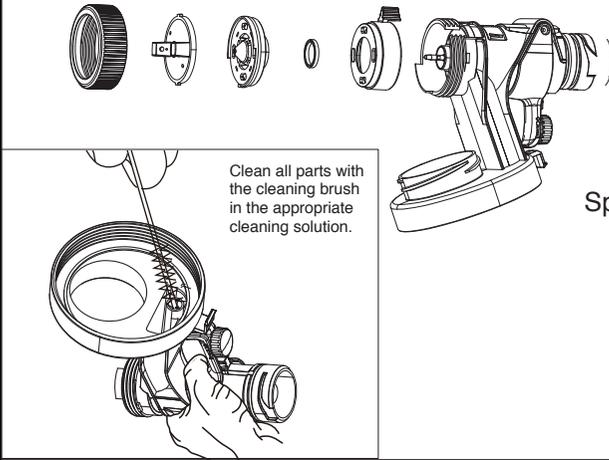
Spray the cleaning solution through the sprayer onto scrap material for 2 to 3 seconds.



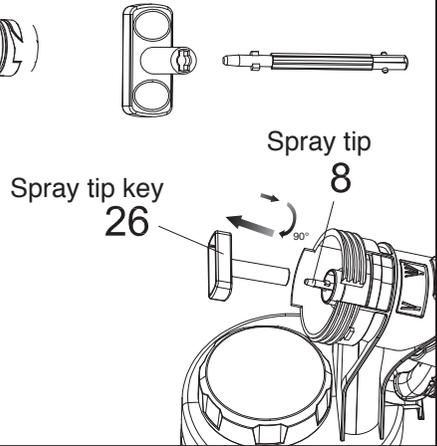
**FIG. O**



**FIG. P**

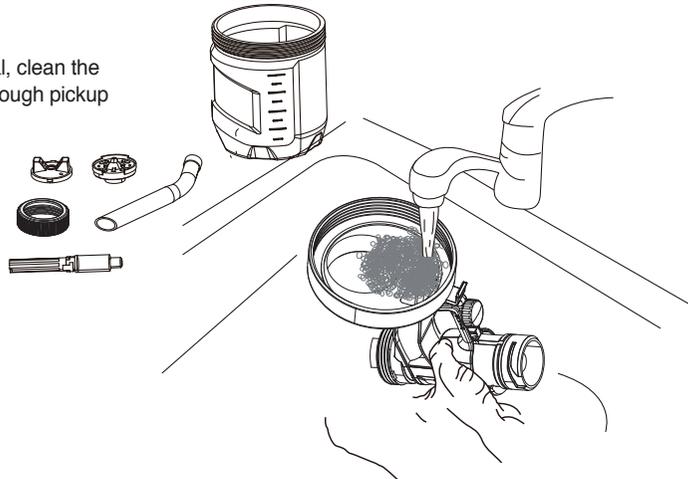


**FIG. P1**



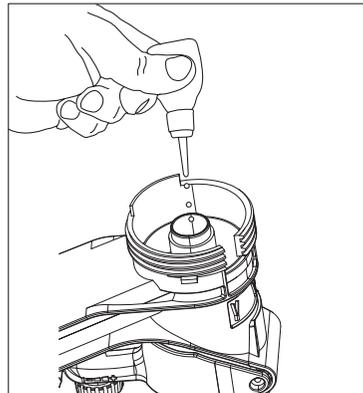
**FIG. Q**

1. If using water based material, clean the sprayer by running water through pickup tube inlet.
2. If using oil based materials, clean pickup tube inlet with appropriate cleaning solution.



**FIG. R**

1. Place a drop of household oil into the inside of the sprayer from the hole for assembling the spray tip.



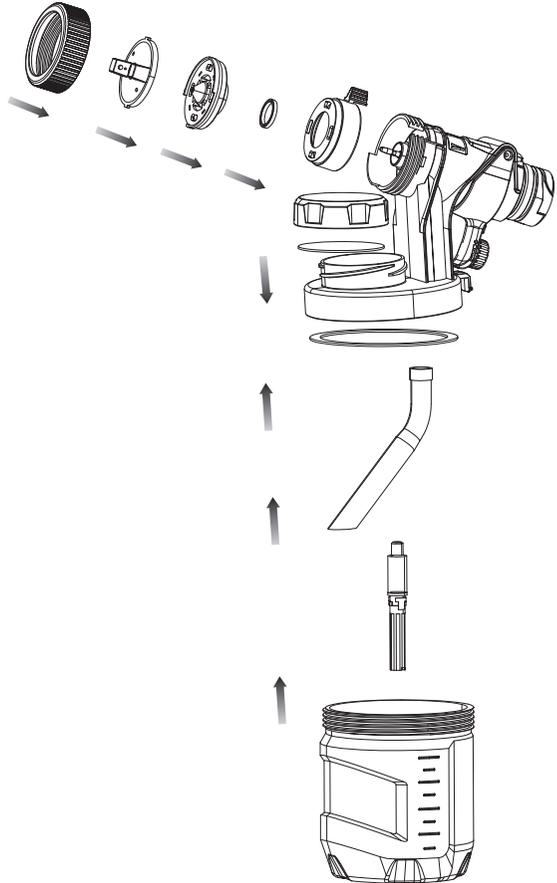
**FIG. S**

Reassemble sprayer Note: Spray nozzle can only be assembled in one direction that the notch of the nozzle (#5) must align with the skirt on spray unit housing (#9).

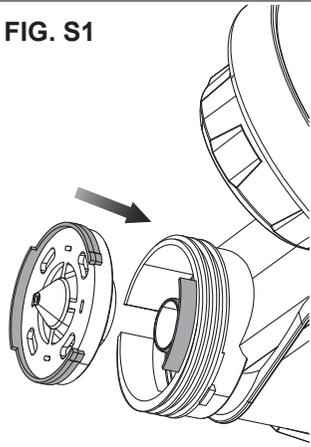
Refer to FIG. S1 for proper assembly.

Note: The spray tip must be assembled in the sprayer with the bumps on the spray tip in vertical direction Note: Assemble the pickup tube (#15) and check valve (#16) by firmly pushing them onto the inlet on the sprayer.

Put all the accessories back into space.



**FIG. S1**

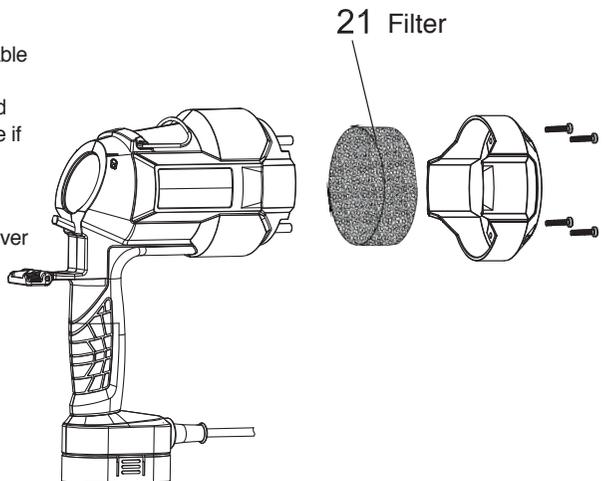


**FIG. T**

The power unit contains A washable / reusable filter (#21). Check the filter before and after each use. If dirty, wash with warm water and allow to air dry before re-installing or replace if necessary.

To check the filter

Unscrew the screws on back of the filter cover (#22) and remove the filter cover (#22).



**TECHNICAL DATA**

Current:	3.0A
Flow Rate:	900ml/min
Max. Viscosity:	100DIN-s (runout time: 100 seconds)
Nozzle Size:	Φ1.5mm Φ3.5mm
Container Capacity	1200ml

**SAFETY GUIDELINES / DEFINITIONS**

It is important for you to read and understand this manual. The information it contains relates to protecting **YOUR SAFETY and PREVENTING PROBLEMS**. The symbols below are used to help you recognize this information.

 **DANGER!** Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

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

 **CAUTION!** Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

 **NOTICE!** Used without the safety alert symbol indicates a potentially hazardous situation which, if not avoided, may result in property damage.

The following are explanations of important safety hazard pictorials in this manual.



Read and understand the instruction manual.



Fire hazard.



Explosion hazard.



Respiratory hazard.



Electric shock hazard.

**IMPORTANT SAFETY INSTRUCTIONS**

**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.

**THIS PRODUCT IS INTENDED FOR HOUSEHOLD USE ONLY.**



**WARNING! FIRE OR EXPLOSION**

**HAZARD.** Solvent and spray material fumes can explode or ignite. Severe injury or property damage can occur. To avoid these risks, take the following preventions:

- > Exhaust and fresh air introduction must be provided to keep the air within the spray area.
- > Avoid all ignition sources such as static electricity sparks, open flames, pilot lights, hot objects, lit tobacco products, and sparks from connecting and disconnecting power cords or working light switches.
- > Fire extinguisher equipment shall be present and working.
- > Keep area clean and free of paint or solvent
- > Follow the material and solvent manufacturer's safety precautions and warnings.
- > Do not spray flammable or combustible materials near an open flame or sources of ignition such as lit tobacco products, motors, and electrical equipment.

- > Know the contents of the spray materials and their cleaning solvents. Read all Material Safety Data Sheets (MSDS) and container labels provided with the spray materials and solvents.
- > Follow the spray material and solvent manufacturer's safety instructions. than 60°C (140°F). Flashpoint is the temperature (see coating supplies).



**WARNING! EXPLOSION HAZARD**

**DUE TO INCOMPATIBLE MATERIALS.** Severe injury or property damage can occur. To avoid these risks, take the following preventions:

- > Do not use bleach.
- > Do not use halogenated hydrocarbon solvents such as methylene chloride and 1,1,1 - trichloroethane. They are not compatible with aluminum and may cause an explosion. If you are unsure of a material's compatibility with aluminum, contact your coating supplier.



**WARNING! HAZARDOUS VAPORS.**

Spray materials, solvents, and other materials can be harmful if inhaled or come in contact with the body. Vapors can cause severe nausea, fainting, or poisoning. To avoid these risks, take the following preventions:

- > Use a respirator or mask if vapors can be inhaled. Read all instructions supplied with the mask to be sure it will provide the necessary protection.
- > Wear protective eyewear.
- > Wear protective clothing as required by coating manufacturer.



**WARNING! ELECTRIC SHOCK HAZARD. MAY CAUSE SEVERE INJURY.**

To avoid these risks, take the following preventions:

- > Keep electrical cord plug and sprayer trigger free from spray material and other liquids. Never hold cord at plug connections to support cord. Failure to observe may result in an electrical shock.
- > Never immerse electrical parts in water or any other liquid. Wipe the exterior of the sprayer with a damp cloth for cleaning. Always make sure the sprayer is unplugged before taking it apart for cleaning.
- > Do not expose unit to rain or wet conditions.
- > Do not abuse the cord. Never use the cord to carry the unit or pull the plug from an outlet. Keep cord away from heat, oil, sharp edges or moving parts. Replace damaged cords immediately.

**GENERAL SAFETY WARNINGS**



**WARNING! GENERAL.** To Reduce the risk of severe injury or property damage. To avoid these risks, take the following preventions:

- > Do not aim the gun at, or spray any person, including self, or animal.
- > Do not spray outdoors on windy days.
- > Wear protective clothing to keep spray material off skin and hair.
- > Hose may become hot and cause skin burn.
- > Follow all appropriate local, state, and national operation.
- > Always use appropriate gloves, eye protection and a respirator or mask when spraying, thinning, mixing, pouring, or cleaning.
- > Do not operate or spray near children. Keep children away from equipment at all times. Keep sprayer out of the reach of children.
- > Do not overreach or stand on an unstable support. Keep effective footing and balance at all times.

- > Stay alert and watch what you are doing.
- > Do not operate the unit when fatigued or under the influence of drugs or alcohol.
- > Read all instructions and safety precautions for equipment and spray material before operating any equipment.
- > Hearing protection is recommended for extended use.

### ELECTRICAL SAFETY



This tool is double insulated; therefore no earth wire is required. Always check that the power supply corresponds to the voltage on the rating plate.

- > If the supply cord is damaged, it must be replaced by the manufacturer or an authorised Service Centre in order to avoid a hazard.
- > When using the tool outdoors, only use extension cables intended for outdoor use. A suitable rated extension cable of up to 30 meters can be used without loss of power.
- > Electric safety can be further improved by using a high sensitivity.

### EXTENSION CORD

Use only a 3-blade grounding plug and a 3-slot receptacle that will accept the plug on the product. Make sure your extension cord is in good condition. When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating. If an extension cord is to be used after the cord type designation. For example, a designation of SJTW-A would indicate that the cord would be appropriate for outdoor use. For proper size cords see chart.

#### GUIDE FOR EXTENSION CORD USAGE:

Type of cable	Up to 5 metres	From 5 to metres 10 metres
Parallel	2x 1.0mm <sup>2</sup>	2x 1.5mm <sup>2</sup>



**WARNING!** Some spray materials contain chemicals known to cause cancer, birth defects or other reproductive harm. To reduce your exposure wear appropriate safety equipment such as face masks, gloves, and other appropriate protective equipment. Please review and follow the safety precautions on the paint container.

### FEATURES (FIG. A, FIG. A1, FIG. A2)

1. Spray gun unit
2. Power unit
3. Tip collar
4. Air cap
5. Nozzle (Φ1.5mm/Φ3.5mm)
6. Y-type seal ring
7. Spray width lever
8. Spray tip
9. Spray unit housing
10. Trigger
11. Flow control knob
12. Quick refill lid
13. Sealing liner
14. O-ring
15. Pickup tube
16. Check valve assembly
  - 16.1 Check valve sleeve 1
  - 16.2 Check valve
  - 16.3 Spring
  - 16.4 Check valve sleeve 2
  - 16.5 Valve extension
17. Canister
18. Quick release lock
19. Switch trigger lever
20. Hanging hook
21. Filter
22. Filter cover
23. Viscosity cup
24. Cleaning needle
25. Cleaning brush
26. Spray tip key

## SET / UP

 **WARNING!** Be sure to use appropriate protective gear and unplug unit.

 **WARNING!** Make sure area is well ventilated.

Aligning the pickup tube (**FIG. B**) The pickup tube (**#15**) needs to be aligned in the direction toward the front of the canister (**FIG. B**). This will ensure you spray as much material as possible. Make sure the pickup tube is assembled tight in place.

#### Attaching spray unit to spray gun handle (**FIG. C**)

Align the marking line on the spray unit with the icon of unlock, then rotate the spray gun handle clockwise until stop. Rotate the quick release lock (**#18**) and snap onto the hook on the edge of canister lid.

Liquid material preparation (**FIG. D AND D1**) Tip: Make sure the type of material you use can be cleaned with either mineral spirits or paint thinner (for oil-based paints) or a warm water and soap solution (for water soluble paints like latex).

Use drop cloths during pouring, mixing, and viscosity testing of materials to be sprayed to protect your floors and anything else in the spraying area that you wish to remain untouched.



The liquid being sprayed may need to be thinned (diluted) before starting. When thinning, use the proper liquid thinner recommended on the container by the material manufacturer.

 **WARNING!** Do not use materials with a flashpoint higher than 60°C (140°F).

A viscosity test cup is provided to determine the "runout time" of the material being used.

- > Before measuring for the proper viscosity, stir the material thoroughly.
- > Dip the viscosity cup into the material being.
- > With the cup held over the material container, measure the amount of time it takes for the being a constant stream out of the bottom of the cup (70 seconds or less) (**FIG. D**). This is the "runout time". Refer to the thinning table for information on the thinning required for different materials.
- > If material needs thinning, add the appropriate liquid, thinning material recommended by the manufacturer (**FIG. D1**).
- > It is possible to spray latex paint with this unit, however, the required thinning may exceed material manufacturer's recommendation. Thin latex paint so that it runs through viscosity cup within 70 seconds. The operator should consider the type of application and final location of the project when spraying a material that requires more than 70 seconds to run through the viscosity cup. Unscrew the quick refill lid (**#12**).

**OPERATION**

**THINNING TABLE**

SPRAY MATERIAL	RUNOUT TIME
Clear and semi-transparent stains and sealers Oil based primers, varnishes and polyurethane.	No thinning required (Less than 70 seconds runout)
Solid color water based stains Water based or latex paints.	May require thinning (More than 70 seconds runout)
<b>Note: Not recommended for textured paint.</b>	

**PREPARATION TIPS**

- > Always stir and strain the material thoroughly before use.
- > With any spraying job you should always ensure that you have properly prepared the are free from dust, dirt, rust and grease. Lightly pressure wash decks or exterior surfaces and ensure that they are dry before spraying.
- > Even though HVLP sprayers have very little overspray, it is recommended that you mask all edges and other areas and use drop cloths to protect your floors and anything else in the spraying area that you wish to remain untouched.
- > Skin that forms on the top of paint can clog the sprayer. Remove skin before mixing. Strain with to remove any impurities that could clog system.
- > Before starting have gloves, paper towels, rags etc. available for unexpected spills.

**FILLING THE CANISTER (FIG. E)**

- > Check to make sure that the canister is completely screwed onto the sprayer.
- > Unscrew the quick refill lid (#12)
- > Stand the sprayer firmly on an smooth and horizontal surface.
- > Pour the properly thinned and strained material to be sprayed into the canister (FIG. E).
- > Clean any residual liquid from the threads or sides of the canister and sprayer.
- > Starting the threads evenly, screw the lid completely onto the top fill canister. Check the lid to make sure it is threaded on squarely and completely before picking up the sprayer.

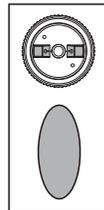
**ON / OFF SWITCH (FIG. F),**

Squeeze to press the trigger (#10), trigger will actuate the switch inside the tool by the switch trigger lever (#19) to turn on the tool. Release the trigger to turn off the tool.

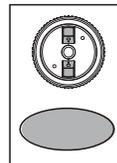
**NOZZLE SELECTION (FIG. G)**

There are three spray patterns to choose from:

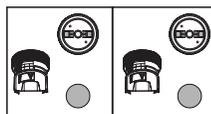
- **Vertical Flat Jet**
- **Horizontal Flat Jet**
- **Circular Jet**



To select **Vertical Flat Jet**, turn the air cap (#4) to horizontal direction by turning tip collar (#3) clockwise until stop.



To select **Horizontal Flat Jet**, turn the air cap (#4) to vertical direction by turning tip collar (#3) anti-clockwise until stop.



To select **Circular Jet**, turn the Width Lever (#7) to the icon of Minimum.

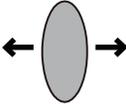
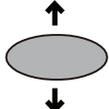
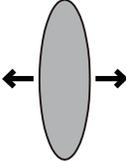
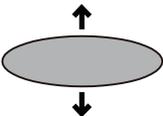
Note: Spray nozzle can only be assembled in one direction that the notch of the nozzle (#5) must align with the skirt on spray unit the housing (#9).

Refer to FIG. S1 for proper assembly.

**⚠ WARNING! RISK OF INJURY.** Never point the Spray sprayer at any part of the body. Never pull trigger while adjusting the spray setting.

**ADJUSTING WIDTH OF SPRAY PATTERN**

By turning the Spray Width Lever (#7) between the Minimum marking and Maximum marking the width of the spray patterns can be adjusted accordingly.

Application	Spray with (#7) lever	Air cap (#4)	Spray Jet pattern
Initial coatings, corners, edges, and hard to reach locations			 Small circular jet
Small-medium size surface			 Vertical narrow jet for horizontal coating direction
			 Horizontal narrow jet for vertical coating direction
Large size surface top coating			 Vertical wide jet for horizontal coating direction
			 Horizontal wide jet for vertical coating direction

**FLOW CONTROL KNOB (FIG. A1)**

The flow control knob (#11) regulates the amount of liquid that can be sprayed. Turning the flow knob clockwise increases the flow of liquid. Turning the knob counter anti-clockwise decreases the flow of liquid.

**Tip:** Always test the spray pattern on scrap cardboard or similar material first. Begin with flow control knob on the highest flow setting. If less flow is desired, dial the flow control knob anti-clockwise to decrease the flow of liquid. Heavier, thicker materials should be sprayed with the flow control knob on high flow setting. Thinner materials should be sprayed with the flow control knob on low flow setting.

**DEVELOPING THE PROPER SPRAYING TECHNIQUE**

- > Practice spraying on a piece of scrap material such as cardboard to test your spray pattern and become familiar with the flow control feature of the sprayer.
- > Ensure surface to be sprayed is free of dust, dirt, and grease.
- > Ensure spray area is clean and free of dust that could be blown onto newly sprayed surfaces.
- > Cover any areas not intended to be sprayed.
- > Always spray from a minimum of 2 in to a maximum of 12 in (FIG. H).
- > A commonly used method for spraying a large surface is the “crisscross” pattern. This is done by spraying in horizontal strips and then crossing over these strips with vertical strips (FIG. J).
- > To get an even spray distribution, always keep your arm at the same distance (FIG. H) from the surface you are spraying and avoid moving your wrist (FIG. I).
- > Maintain smooth and consistent speed which will help avoid inconsistencies. Begin spraying after the pass has begun and release trigger before stopping the pass.
- > Avoid spraying too heavily in any one area. Several lighter coats are better than one heavy coat which can lead to running and dripping. Remember that the flow control knob regulates the amount of liquid that can be sprayed. Turning the flow knob clockwise increases the flow of liquid. Turning the knob counterclockwise decreases the flow of liquid. If runs or drips do occur, have a dry paint brush on hand to smooth them out.

- > Turn the power unit off and unplug the cord when not spraying for any length of time.

**CLEANING**

 **WARNING!** Be sure to use appropriate protective gear.

- > Do not use materials with a flashpoint higher than 60°C (140°F) . Flashpoint is the temperature that a fluid can produce enough vapors to ignite (see coating supplier).
- > Make sure clean up area is well ventilated and free of flammable vapors.
- > Always spray outdoors when spraying cleaning solution through sprayer.
- > Do not submerge power unit.
- > Use drop cloths during pouring, mixing, and viscosity testing of materials to be sprayed to protect your floors and anything else in the spraying area that you wish to remain untouched.

**TO BEGIN CLEANING:**

- > Turn the power unit off, unplug the cord and disconnect air hose from sprayer.
- > Unscrew the canister from the sprayer and pour any remaining liquid back into the original container (FIG. K).
- > Pour a small amount of the appropriate cleaning solution into the canister (FIG. M) - Warm soapy water for water based materials - Manufacturers recommended cleaning solution for oil based materials.
- > Screw on the canister back to the sprayer securely and vigorously shake the sprayer.
- > Unscrew the canister and properly dispose of cleaning solution.
- > Refill the canister with a small amount of new cleaning solution. Screw on the canister back the sprayer. Reattach the spray gun unit to the power unit, plug in the cord and turn on the power unit.
- > Spray the cleaning solution through the sprayer onto scrap material for 2 to 3 seconds (FIG. N).
- > Turn the power unit off, and unplug the cord.
- > Unscrew the canister from the sprayer.

- > Remove the o-ring (#14), pickup tube (#15), check valve (#16), and quick refill lid (#12) from the sprayer. Clean the parts with the cleaning brush in the appropriate cleaning solution (FIG. O). Note: When removing the check valve, twist the check valve clockwise and then pull it out. (FIG O1).
- > Unscrew the tip collar (#3) and remove all the parts of the spray nozzle (#3,#4,#5,#6,#7.#8) from the sprayer. Remove the spray tip (#8) from the sprayer (FIG. P1). Clean all parts with the cleaning brush in the appropriate cleaning solution (FIG. P, FIG.P1). Be sure to clean around check valve with brush (FIG. P INSERT).
- > If using water based material, clean the sprayer by running water through pickup tube inlet as shown in FIG. Q. If using oil based materials, clean pickup tube inlet with the appropriate cleaning solution. Repeat until sprayer is completely clean.
- > Dry all parts thoroughly.
- > Place a drop of household oil into the inside of the sprayer from the hole for assembling the spray tip (FIG. R).
- > Reassemble sprayer (FIG. S).

Note: Spray nozzle can only be assembled in one direction that the notch of the nozzle (#5) must align with the skirt on spray unit housing (#9). Refer to FIG. S for proper assembly.

Note: The spray tip must be assembled in the sprayer with the bumps on the spray tip in vertical direction Note: Assemble the pickup tube (#15) and check valve (#16) by firmly pushing them onto the inlet on the sprayer.

- > Put all the accessories back into space.

## MAINTENANCE

Use only mild soap and damp cloth to clean the power unit. Never let any liquid get inside the power unit; never immerse any part of the power unit into a liquid.

 **IMPORTANT!** To assure product **SAFETY** and **RELIABILITY**, repairs, maintenance and adjustment (other than those listed in this manual) should be performed by authorized service centers or other qualified service personnel, always using identical replacement parts. The power unit contains A washable / reusable filter (#21). Check the filter before and after each use. If dirty, wash with warm water and allow to air dry before re-installing or replace if necessary (FIG. T).

- > To check the filter, Unscrew the screws on back of the filter cover (#22) and remove the filter cover (#22).

Remove the filter as shown in FIG. T and inspect. Reassemble the filter and filter cover.

 **IMPORTANT!** Never operate the power unit without the filter in place. Debris could be sucked in and interfere with the function of the power unit.être

## STORAGE

Make sure unit is clean and dry before storing. Store unit indoors in a dry location. To prevent damage, wrap the electrical cord so that it is not crimped during storage.

## ACCESSORIES

Recommended accessories for use with your product are available from your local dealer or authorized service center.



**WARNING!** The use of any accessory not recommended for use with this product could be hazardous.

## PROTECTING THE ENVIRONMENT



Separate collection. This product must not be disposed of with normal day that your product needs replacement, or if it is of no further use to you, do not dispose of it with household waste. Make this product available for separate collection.



Separate collection of used products and packaging allows materials to be recycled and used again. Re-use of recycled materials helps prevent environmental pollution and reduces the demand for raw materials. Local regulations may provide for separate collection of electrical products from the household, at municipal waste sites or by the retailer when you purchase a new product.

## TROUBLESHOOTING

**TROUBLE ! MATERIAL RUNS OR DRIPS.**

<b>WHAT'S WRONG?</b>	<b>WHAT TO DO...</b>
Spraying too much material.	Reduce paint flow by turning material adjustment knob.
Spraying too slowly.	Increase speed of application.
Spraying too close.	Increase distance from surface.
Viscosity too thin.	Check dilution recommendation.

**TROUBLE! MATERIAL DRIPS FROM NOZZLE**

<b>WHAT'S WRONG?</b>	<b>WHAT TO DO...</b>
Nozzle loose.	Screw nozzle tight.
Nozzle breaks.	Change
Y-type seal ring of nozzle breaks.	Change
Material accumulated /clog inside nozzle.	Clean

**TROUBLE! TOO MUCH OVER SPRAY.**

<b>WHAT'S WRONG?</b>	<b>WHAT TO DO...</b>
Sprayer too far from surface.	Reduce distance to surface.
Too much material being sprayed.	Reduce paint flow by turning flow control knob.

**TROUBLE! LITTLE OR NO MATERIAL BEING RELEASED.**

<b>WHAT'S WRONG?</b>	<b>WHAT TO DO...</b>
Spray nozzle/tip clogged.	Clean nozzles.
Y-type seal ring of nozzle missing.	Add seal ring to nozzle and assemble in place.
Pickup tube loose or clogged.	Check tube.
Canister loose.	Screw canister tightly in place.
Quick refill lid loose.	Screw quick refill lid tight in place.
Spray gun unit not fully attached to the power unit.	Check attachment of spray gun unit.
Flow control knob setting too low.	Increase flow control setting.
Air inlet blocked.	Clean or change air filter.
Material too thick.	Thin material per manufacturer recommendation.

**TROUBLE! MATERIAL BEING SPRAYED IS SPLATTERING**

<b>WHAT'S WRONG?</b>	<b>WHAT TO DO...</b>
Viscosity of material is too high.	Thin material per manufacturer recommendation.

## TROUBLESHOOTING

**TROUBLE! ATOMIZATION IS TOO COARSE**

<b>WHAT'S WRONG?</b>	<b>WHAT TO DO...</b>
Viscosity of material too high.	Thin material per manufacturer recommendation.
Flow control knob setting too high.	Decrease flow control setting.
Material accumulated /clog inside nozzle.	Clean
Air inlet blocked.	Clean or change air filter.
Canister loose	Screw canister tightly in place.
Quick refill lid loose	Screw quick refill lid tight in place.

**TROUBLE! SPRAYER PULSATES.**

<b>WHAT'S WRONG?</b>	<b>WHAT TO DO...</b>
Air filter clogged.	Clean or change air filter.
Material in canister almost empty..	Refill canister.
Canister loose.	Screw canister tightly in place.
Quick refill lid loose.	Screw quick refill lid tight in place.

**TROUBLE! SPRAY MATERIAL DOES NOT COVER PROPERLY**

<b>WHAT'S WRONG?</b>	<b>WHAT TO DO...</b>
Flow control knob setting too low.	Increase flow control setting.
Clearance to target area too large.	Reduce spray distance.
Too few spray paths sprayed over target area.	Apply more spray paths sprayed over target area.
Viscosity of material too high.	Thin material per manufacturer recommendation.