



Owners Manual



TrueCoat One™

DIY Series TrueAirless Paint Sprayers

X021545EN

Rev. D



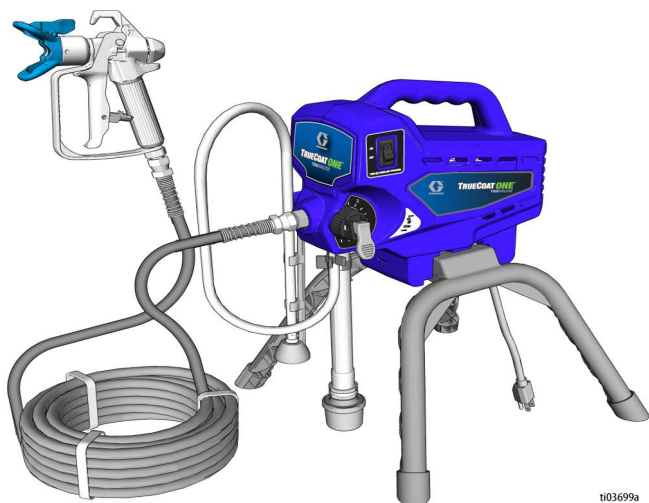
Important Safety Instructions

Read all warnings and instructions in this manual, and on the unit, including the power cord, before using the equipment. Be familiar with the controls and the proper usage of the equipment. Save these instructions.



Important Medical Information

Read the medical alert card provided with the sprayer. It contains injection injury treatment information for a doctor. Keep it with you when operating the equipment.



QUESTIONS?
888-541-9788
graco.com/HomeownerSupport



For portable spray applications of water-based, architectural paints and coatings only.

For household use only.

Not approved for use in explosive atmospheres or hazardous (classified) locations.

PROVEN QUALITY. LEADING TECHNOLOGY.

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Models

Part Number	Approval	Description	Maximum Working Pressure	Voltage
26DTC1		TrueCoat One	1700 psi (11.7 MPa, 117 bar)	120V

Replacement safety labels, tags, and cards are available at no cost.

Part Number	Description
2009980	Warning label on power cord, North America
2008775	Warning label on airless hose
179960	Medical alert card, North America

Online Resources

Visit Our Website:	magnum.graco.com
Operational Videos:	magnum.graco.com/magop/
Manuals:	magnum.graco.com/support/#manuals

Translated Manuals

Digital versions of translated manuals for this product can be found through your authorized spray equipment dealer, on www.graco.com, or by scanning the QR code below. Available translations and their respective manual numbers are listed here for reference.

Chinese	X021545ZH	Korean	X021545KO
Danish	X021545DA	Norwegian	X021545NO
Dutch	X021545NL	Polish	X021545PL
Czech	X021545CS	Portuguese	X021545PT
English	X021545EN	Romanian	X021545RO
French	X021545FR	Slovenian	X021545SL
German	X021545DE	Spanish	X021545ES
Italian	X021545IT	Swedish	X021545SV
Japanese	X021545JA	Turkish	X021545TR

Foreign language manuals can be found by scanning this QR code.



Important User Information

This sprayer is designed to provide superior spray performance with water-based architectural paints and coatings. This user information is intended to help you understand the types of materials that can be used with your sprayer.

Please read the information on the material container label to determine if it can be used with your sprayer. Ask for a Safety Data Sheet (SDS) from your supplier. The container label and SDS will explain the contents of the material and the specific precautions related to it.

Paints, coatings and clean-up materials generally fit into one of the following **3 basic categories**:



WATER-BASED: The container label should indicate that the material can be cleaned up with soap and water. Your sprayer is compatible with this type of material. Your sprayer is **NOT** compatible with harsh cleaners such as chlorine bleach.



OIL-BASED: The container label should indicate that the material is COMBUSTIBLE and can be cleaned up with mineral spirits or paint thinner. This type of material is **NOT** compatible with your sprayer and **CANNOT** be used.



FLAMMABLE: This type of material contains flammable solvents such as xylene, toluene, naphtha, MEK, lacquer thinner, acetone, denatured alcohol, and turpentine. The container label should indicate that this material is FLAMMABLE. This type of material is **NOT** compatible with your sprayer and **CANNOT** be used.

NOTICE

Your sprayer is **NOT** compatible with harsh cleaners such as chlorine bleach. Using these cleaners will cause damage to the sprayer.

Safety Symbols

Safety Symbols

The following safety symbols appear throughout this manual and on warning labels. Read the table below to understand what each symbol means.

Symbol	Meaning
	Electric Shock Hazard
	Equipment Misuse Hazard
	Fire and Explosion Hazard
	Moving Parts Hazard
	Pressurized Aluminum Parts Hazard
	Skin Injection Hazard
	Skin Injection Hazard
	Toxic Fluid or Fumes Hazard
	Do Not Place Hands or Other Body Parts Near Fluid Outlet
	Do Not Put Hand in Front of Spray Tip

Symbol	Meaning
	Do Not Stop Leaks With Hand, Body, Glove or Rag
	Do Not Use Flammable Materials
	Consult Doctor
	Ground Equipment
	Follow Pressure Relief Procedure
	Read Manual
	Ventilate Work Area
	Wear Personal Protective Equipment



Safety Alert Symbol

This symbol indicates: Attention! Become Alert! Look for this symbol throughout the manual to indicate important safety messages.

General Warnings

The following warnings apply throughout this manual. Read, understand, and follow the warnings before using this equipment. Failure to follow these warnings can result in serious injury.

WARNING

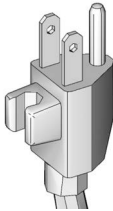


GROUNDING

This product must be grounded. In the event of an electrical short circuit, grounding reduces the risk of electric shock by providing an escape wire for the electric current. This product is equipped with a cord having a grounding wire with an appropriate grounding plug. The plug must be plugged into an outlet that is properly installed and grounded in accordance with all local codes and regulations.

- Improper installation of the grounding plug is able to result in a risk of electric shock.
- This product is for use on a nominal 120 V circuit and has a grounding plug similar to the plugs illustrated in the figure below.

120 V US



- Only connect the product to an outlet having the same configuration as the plug.
- Do not modify the plug provided. If it does not fit the outlet, have the proper outlet installed by a qualified electrician.
- Do not use a 3-to-2 adapter with this product.
- When repair or replacement of the cord or plug is required, do not connect the grounding wire to either power terminal.
- The wire with insulation having an outer surface that is green with or without yellow stripes is the grounding wire.
- Check with a qualified electrician or serviceman when the grounding instructions are not completely understood, or when in doubt as to whether the product is properly grounded.

Extension Cords:

- Use only a 3-wire extension cord that has a grounding plug and a grounding receptacle that accepts the plug on the product.
- Make sure your extension cord is not damaged.
- If an extension cord is necessary, use 12 AWG (2.5 mm²) minimum to carry the current that the product draws. An undersized cord results in a drop in line voltage and loss of power and overheating.

General Warnings

WARNING



FIRE AND EXPLOSION HAZARD

Flammable fumes, such as solvent and paint fumes, in work area can ignite or explode. To help prevent fire and explosion:



- Do not spray or clean with flammable materials. Use water-based materials only.
- Use equipment only in well-ventilated area.
- Sprayer generates sparks. When flammable liquids are used near the sprayer, keep sprayer at least 20 feet (6.1 meters) away from explosive vapors.
- Keep work area free of debris, including solvent, rags and gasoline.
- Ground all equipment in the work area. See **Grounding** instructions.
- Keep a working fire extinguisher in the work area.



ELECTRIC SHOCK HAZARD

This equipment must be grounded. Improper grounding, setup, or usage of the system can cause electric shock.



- Turn off and disconnect power cord before servicing equipment.
- Connect only to grounded electrical outlets.
- Use only 3-wire extension cords.
- Ensure ground prongs are intact on power and extension cords.
- Do not expose to rain. Store indoors.
- Only use an authorized service center to replace a damaged power cord.



SKIN INJECTION HAZARD

High-pressure spray is able to inject toxins into the body and cause serious injury that can result in amputation. In the event that injection occurs, **get immediate surgical treatment.**



- Do not aim the gun at, or spray any person or animal.
- Keep hands and other body parts away from the discharge. For example, do not try to stop leaks with any part of the body.
- Always use the spray tip guard. Do not spray without spray tip guard in place.
- Use Graco spray tips.
- Use caution when cleaning and changing spray tips. In the case where the spray tip clogs while spraying, follow the **Pressure Relief Procedure** for turning off the unit and relieving the pressure before removing the spray tip to clean.
- Equipment maintains pressure after power is turned off. Do not leave the equipment energized or under pressure while unattended. Follow the **Pressure Relief Procedure** when the equipment is unattended or not in use, and before servicing, cleaning, or removing parts.
- Check hoses and parts for signs of damage. Replace any damaged hoses or parts.
- This system is capable of producing 1700 psi (117 bar, 11.7 MPa). Use Graco parts or accessories that are rated a minimum of 1700 psi (117 bar, 11.7 MPa).
- Always engage the trigger lock when not spraying. Verify the trigger lock is functioning properly.
- Verify that all connections are secure before operating the unit.
- Know how to stop the unit and bleed pressure quickly. Be thoroughly familiar with the controls.

WARNING



EQUIPMENT MISUSE HAZARD

Misuse can cause death or serious injury.

- Always wear appropriate gloves, eye protection, and a respirator or mask when painting.
- Do not operate or spray near children. Keep children away from equipment at all times.
- 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.
- Do not kink or over-bend the hose.
- Do not expose the hose to temperatures or to pressures in excess of those specified by Graco.
- Do not use the hose as a strength member to pull or lift the equipment.
- Do not spray with a hose shorter than 25 feet (7.6 m).
- Do not alter or modify equipment. Alterations or modifications may void agency approvals and create safety hazards.
- Make sure all equipment is rated and approved for the environment in which you are using it.



PRESSURIZED ALUMINUM PARTS HAZARD

Use of fluids that are incompatible with aluminum in pressurized equipment can cause serious chemical reaction and equipment rupture. Failure to follow this warning can result in death, serious injury, or property damage.

- Do not use 1,1,1-trichloroethane, methylene chloride, other halogenated hydrocarbon solvents or fluids containing such solvents.
- Do not use chlorine bleach.
- Many other fluids may contain chemicals that can react with aluminum. Contact your material supplier for compatibility.



MOVING PARTS HAZARD

Moving parts can pinch, cut or amputate fingers and other body parts.



- Keep clear of moving parts.
- Do not operate equipment with protective guards or covers removed.
- Equipment can start without warning. Before checking, moving, or servicing equipment, follow the **Pressure Relief Procedure** and disconnect all power sources.

General Warnings

WARNING



TOXIC FLUID OR FUMES HAZARD

Toxic fluids or fumes can cause serious injury or death if splashed in the eyes or on skin, inhaled, or swallowed.

- Read Safety Data Sheets (SDSs) to know the specific hazards of the fluids you are using.
- Store hazardous fluid in approved containers, and dispose of it according to applicable guidelines.

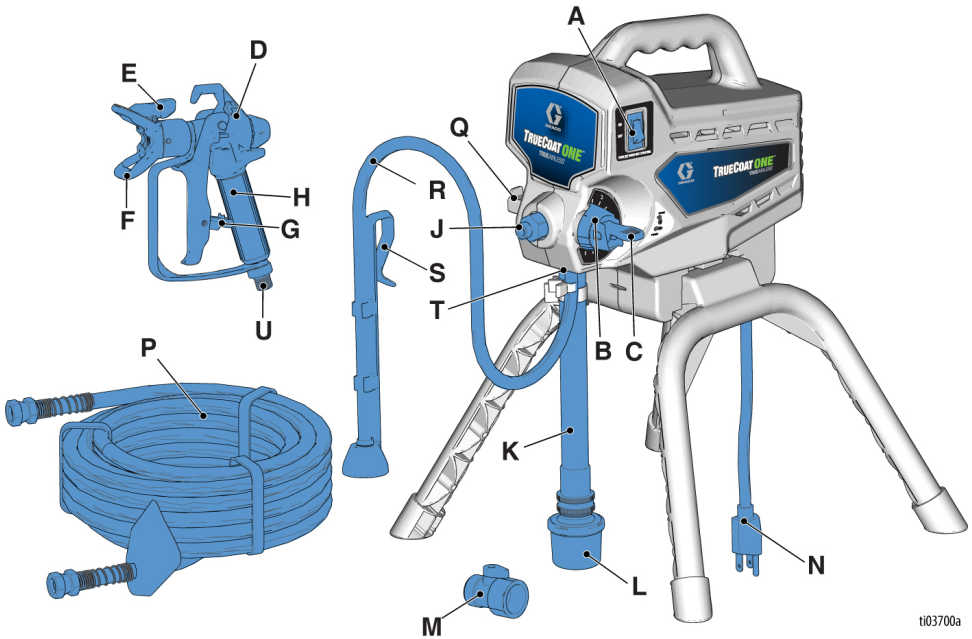


PERSONAL PROTECTIVE EQUIPMENT

Wear appropriate protective equipment when in the work area to help prevent serious injury, including eye injury, hearing loss, inhalation of toxic fumes, and burns. Protective equipment includes but is not limited to:

- Protective eyewear, and hearing protection.
- Respirators, protective clothing, and gloves as recommended by the fluid and solvent manufacturer.

Know Your Sprayer



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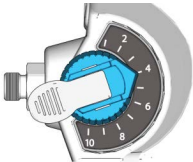
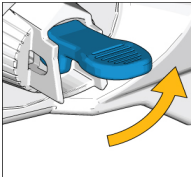
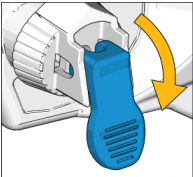
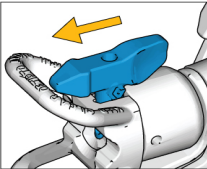
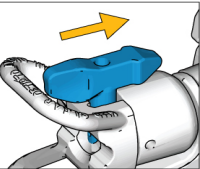
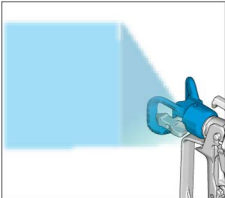
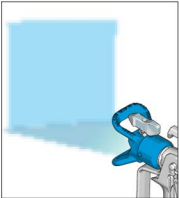
Key

A	Power ON/OFF Switch
B	Speed Control
C	Prime/Spray Valve
D	Airless Spray Gun
E	Spray Tip
F	Spray Tip Guard
G	Gun Trigger Lock
H	Gun Filter (inside handle)
J	Outlet Valve (airless hose connection)
K	Suction Tube

L	Inlet Screen
M	Power Flush™ Valve
N	Power Cord
P	Airless Hose
Q	Drain Tube Mount
R	Drain Tube
S	Drain Tube Clip
T	Inlet Valve (inside suction tube)
U	Gun Fitting
See Quick Reference , page 30, for more information	

Know Your Controls

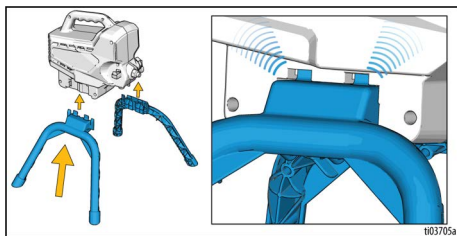
Know Your Controls

	The ON/OFF power switch controls the main power to the sprayer.
	The Speed Control knob increases or decreases the pressure or speed of application.
PRIME  SPRAY 	The Prime/Spray Valve directs the fluid to either the Drain Tube or the hose and gun. It is used to prime the sprayer, which means to evacuate the air from the pump, hose, and gun. The gun will not spray if there is air in the system. It is necessary to prime the pump, hose, and gun any time air enters the Suction Tube.
SPRAY  UNCLOG 	The Spray Tip is the key to airless spray technology. High pressure paint pumped through the very small hole in the Spray Tip comes out as a spray. The Spray Tip can be reversed to quickly clear clogs.
HORIZONTAL  VERTICAL 	The Spray Tip Guard can be rotated 90 degrees to spray in both the horizontal and vertical directions.

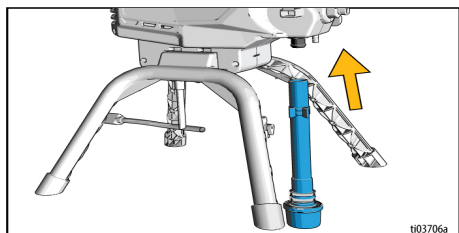
Setup

Assemble Your Sprayer

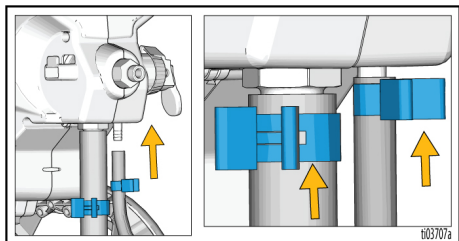
1. To permanently install the legs, press them into each side of the sprayer until a 'click' sound is heard.



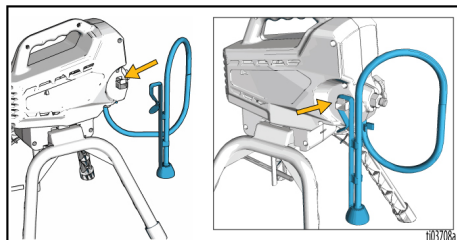
2. Attach the Suction Tube to the Inlet Valve (large black connection).



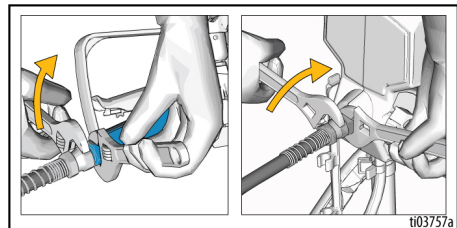
3. Attach the Drain Tube to the small silver connection. Move Hose Clamps up as shown.



4. Attach the Drain Tube Clip to the Drain Tube Mount as shown.



5. Connect hose to Gun and Sprayer. Tighten both connections securely using two wrenches.

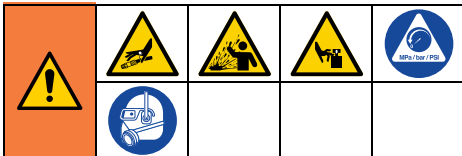


Startup

Pressure Relief Procedure



Follow the Pressure Relief Procedure whenever you see this symbol.

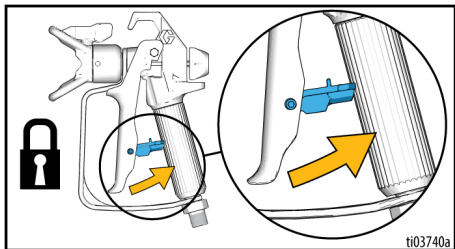


This equipment stays pressurized until pressure is manually relieved. To help prevent serious injury from pressurized fluid, such as skin injection, splashing fluid and moving parts, follow the **Pressure Relief Procedure** when you stop spraying and before cleaning, checking, or servicing the equipment.

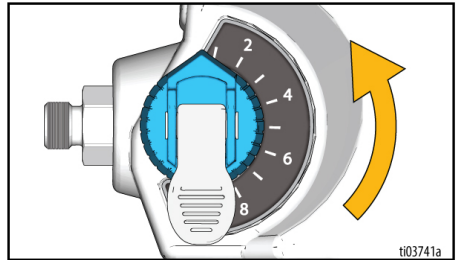
1. Turn ON/OFF Switch to the **OFF** position.



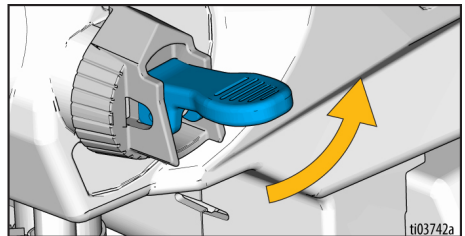
2. Engage the Trigger Lock. Always engage the Trigger Lock when sprayer is stopped to prevent the gun from being triggered accidentally.



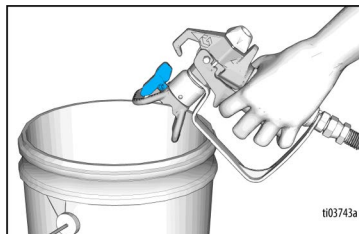
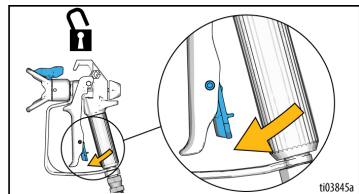
3. Turn Speed Control Knob to lowest setting.



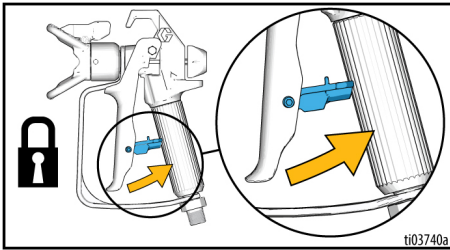
4. Set Prime/Spray Valve to PRIME position to relieve pressure.



5. Hold the gun firmly to a bucket. Point gun into bucket. Disengage the Trigger Lock and trigger the gun to relieve pressure.



- Engage the Trigger Lock.



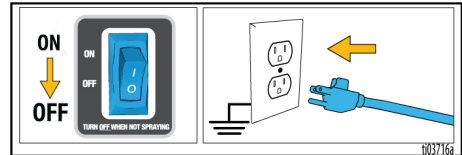
- If you suspect the pressure has not been fully relieved, see **Blockages**, page 22.

NOTE: Leave Prime/Spray Valve in the PRIME position until you are ready to spray.

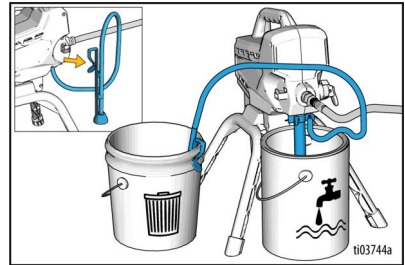
Flush Storage Fluid

It is important to flush storage fluid from the sprayer before using.

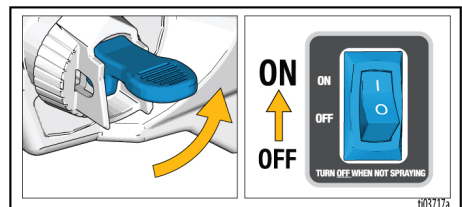
- Ensure Power Switch is **OFF** and plug sprayer into a grounded outlet.



- Place Suction Tube in water bucket. Place Drain Tube in a waste bucket.



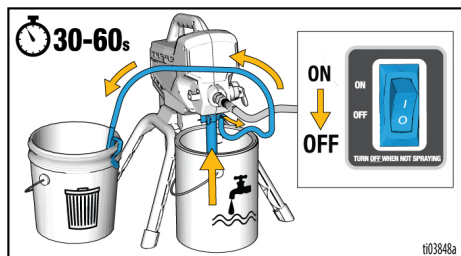
- Set the Prime/Spray Valve to **PRIME** position. Turn the Power Switch **ON**.



NOTE: If water does not flow from the Drain Tube within ten seconds, turn sprayer **OFF** to avoid sprayer damage. See, **Troubleshooting**, page 32.

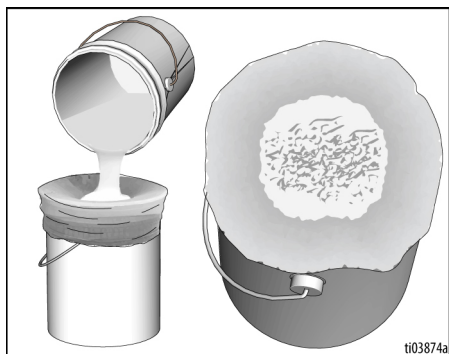
Startup

4. Allow water to enter Suction Tube and exit the Drain Tube for 30-60 seconds. Turn the Power Switch to **OFF**.



Strain the Paint

Disposable paint strainer bags are used to remove coarse particles and debris from new or previously opened paint or stain, and are available where paint is sold. To avoid priming problems and Spray Tip clogs it is recommended to strain all paints and stains before spraying. Stretch a disposable paint strainer bag over a clean pail and pour the paint through the strainer.

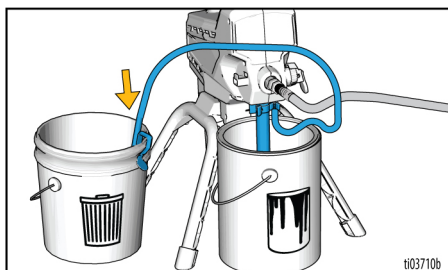


Fill Pump (Prime the Pump)

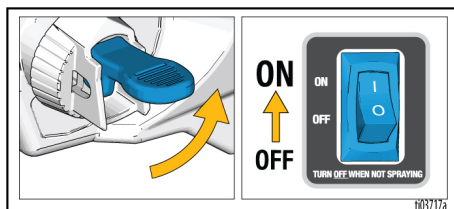
The Prime/Spray Valve directs the fluid to either the Drain Tube or the hose and gun. It is used to prime the sprayer, which means to evacuate the air from the pump, hose, and gun.

Your gun will not spray if there is air in the system. It is necessary to prime the pump, hose, and gun any time air enters the Suction Tube.

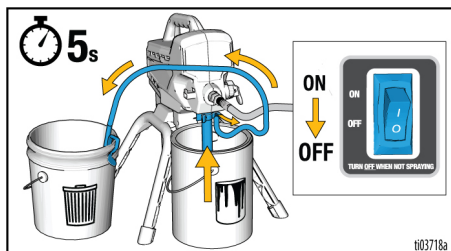
1. Place Suction Tube in paint bucket.
Place Drain Tube in waste bucket.



2. Set Prime/Spray Valve to PRIME position. Turn Power Switch **ON**.

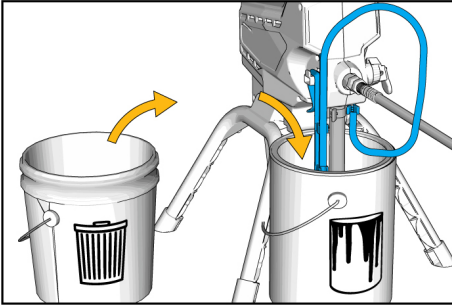


3. Allow paint to enter the Suction Tube and exit the Drain Tube for five seconds. Turn Power Switch **OFF**.

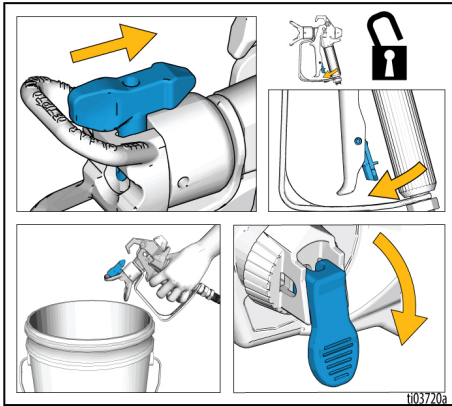


Fill Gun and Hose

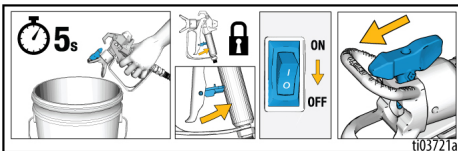
1. Move the Drain Tube to the paint bucket and clip to Drain Tube Mount.



2. Rotate the Spray Tip to UNCLOG position. Disengage Trigger Lock, point gun into waste bucket. Pull and hold trigger. Set Prime/Spray Valve to SPRAY position.



3. Turn Power Switch to **ON**. Spray paint for five seconds after allowing 15-30 seconds for storage fluid to exit the gun and paint to fill the hose. Engage Trigger Lock. Turn Power Switch **OFF**. Rotate Spray Tip to SPRAY position.



You are now ready to spray!

NOTE: It is normal for the motor to continue running when the sprayer is primed and under pressure. Increasing the speed control setting causes the pump to build more pressure and the motor to slow down. If this does not occur, repeat the **Startup**, page 14, procedure.

Spraying

Spraying



High-pressure spray is able to inject toxins into the body and cause serious bodily injury. Do not stop leaks with hand or rag.

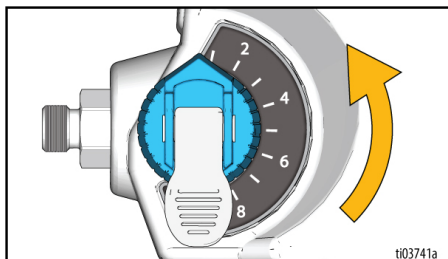
Use only water-based materials. Do not use materials which state “flammable” on the packaging. For more information about the material, request a Safety Data Sheet (SDS) from the distributor or retailer.

Keep spray area well ventilated. Keep a good supply of fresh air moving through the area.

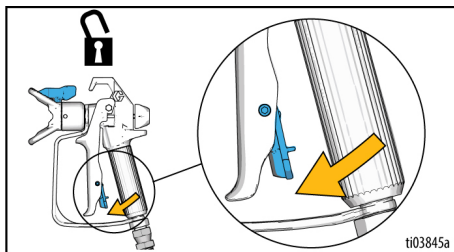
NOTICE

The sprayer will continue to run after you let go of the trigger. To prevent damage to the equipment, do not let it run for longer than five minutes without spraying. Turn the Power Switch to **OFF** and engage the Trigger Lock.

1. Turn Speed Control Knob to lowest position.



2. Disengage Trigger Lock.



3. Turn Power Switch **ON**.



Adjust Speed Control

1. For best spray results with lowest overspray, adjust Speed Control to lowest setting.
2. Point sprayer at piece of scrap cardboard and pull the trigger to test the spray pattern.
3. If needed, increase Speed Control setting to the setting that produces an acceptable spray pattern.

NOTE: To minimize overspray, always spray at the lowest speed setting that produces a good spray pattern.

4. Adjust the spray distance from the surface and hand speed to achieve the desired surface coverage.

Spray Pattern Quality

A good spray pattern is evenly distributed as it hits the surface.

- Spray should be atomized (evenly distributed, no gaps at edges).
- Increase Speed Control if needed until spray is even and without gaps and edges.
- Spray Tip may be worn or a smaller tip may be needed. See **Spraying**, page 18.
- Material may need to be thinned. If material needs to be thinned follow manufacturer's recommendations.

Spray Techniques

Use a piece of scrap cardboard to practice these basic spraying techniques before you begin spraying the surface.

- Hold gun 12 in. (30 cm) from surface and aim straight at surface. Tilting gun to direct spray angle causes an uneven finish.

- Flex wrist to keep gun pointed straight. Fanning gun to direct spray at angle causes uneven finish.

Triggering Gun

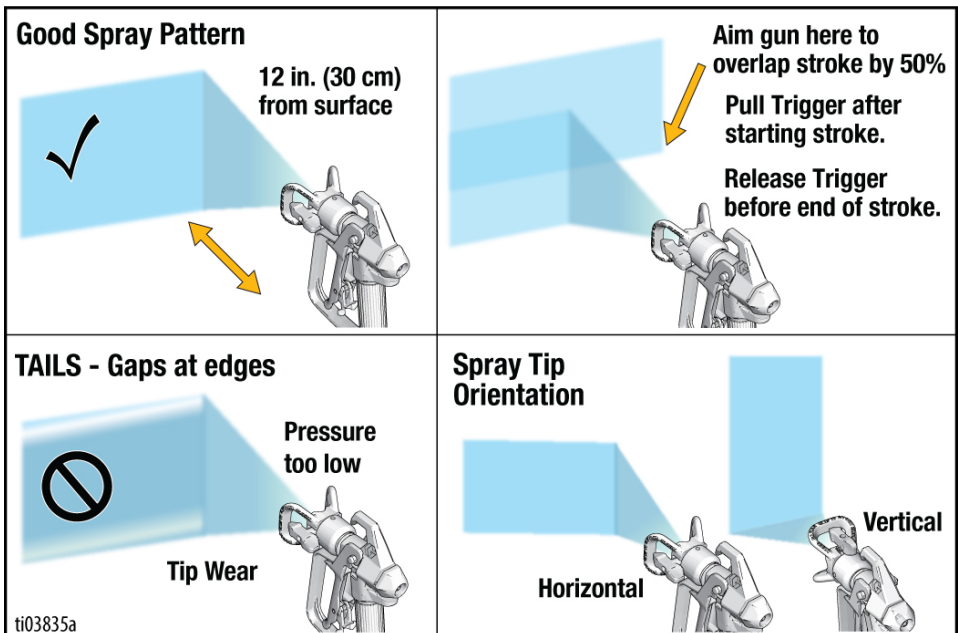
Pull trigger after starting stroke. Release trigger before end of stroke. Gun must be moving when trigger is pulled and released.

Aiming Gun

Aim center of spray of gun at bottom edge of previous stroke, overlapping each stroke by half.

Aligning Spray Pattern

1. Align guard horizontally to spray a horizontal pattern.
2. Align guard vertically to spray a vertical pattern.



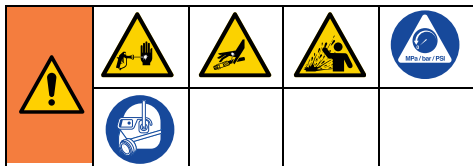
Spraying

Reversible Spray Tips

Your sprayer is compatible with wide and narrow reversible Spray Tips.

- *Blue Spray Tips* are for spraying *paint*.
- *Green Spray Tips* are for spraying *stain*.

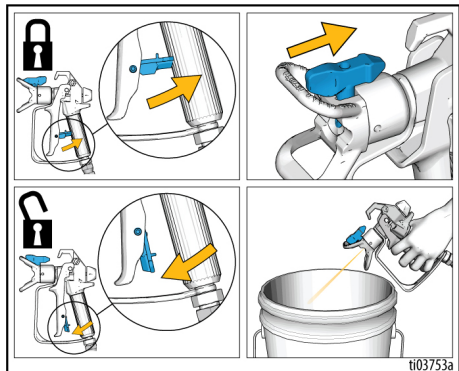
Clear Spray Tip Clog



In the event that particles or debris clog the Spray Tip, the Spray Tip can be reversed to quickly and easily clear particles without disassembling the sprayer.

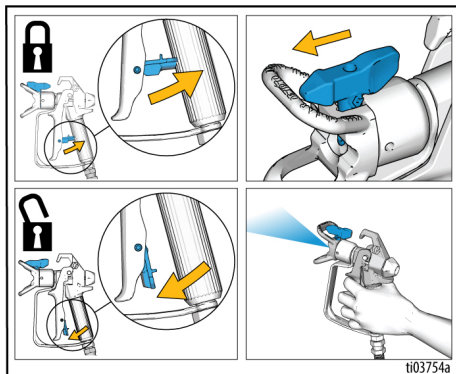
See **Strain the Paint**, page 16, for additional information.

1. Engage Trigger Lock.
2. Rotate Spray Tip to UNCLOG position. Ensure Spray Tip remains fully seated, pushed all the way into the Spray Tip Guard.
3. Disengage Trigger Lock.
4. Trigger gun at waste area to clear clog.



NOTE: If Spray Tip is difficult to rotate when turning to UNCLOG position perform **Pressure Relief Procedure**, page 14, then lower Prime/Spray Valve to SPRAY position and repeat step 1.

5. Engage Trigger Lock.
6. Rotate Spray Tip back to SPRAY position.
7. Disengage Trigger Lock and continue spraying.

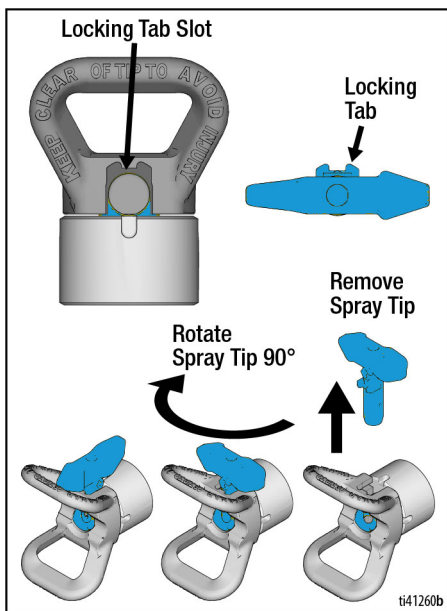


Spray Tip Removal



To avoid serious injury from skin injection, do not put your hand in front of the Spray Tip when installing or removing the Spray Tip.

1. Perform **Pressure Relief Procedure**, page 14.
2. Rotate Spray Tip 90 degrees.
3. Pull the Spray Tip straight out of the Spray Tip Guard.



Spray Tip Installation

1. Align Spray Tip locking tab with the locking tab slot in the Spray Tip Guard.
2. Push the Spray Tip all the way into the Spray Tip Guard.
3. Rotate the Spray Tip to the **SPRAY** position.

NOTE: Make certain the Spray Tip locking tab is pushed all the way into the slot in the Spray Tip Guard. You should not be able to remove the Spray Tip from the Spray Tip Guard when it is in the **SPRAY** or **UNCLOG** positions.

NOTICE

The Spray Tip Guard is permanently attached to the gun. Removal will result in damage to the gun.



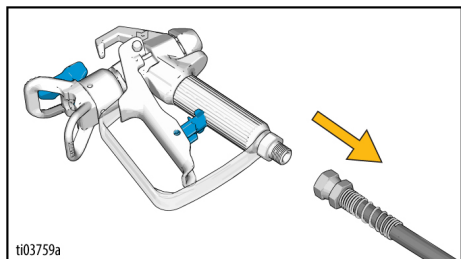
Refilling Paint Bucket

When the paint bucket runs low and the gun stops spraying, refill the paint bucket and repeat the **Startup**, page 14, procedure.

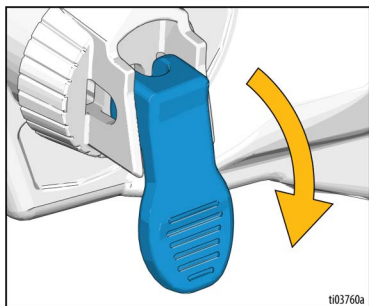
Blockages

If paint does not come out of gun, or if performing pressure relief procedure and you suspect pressure has not been fully relieved:

1. Perform **Pressure Relief Procedure**, page 14.
2. VERY SLOWLY loosen the hose connection to the gun and disconnect the airless hose from the gun.



3. Set Prime/Spray Valve to SPRAY position.

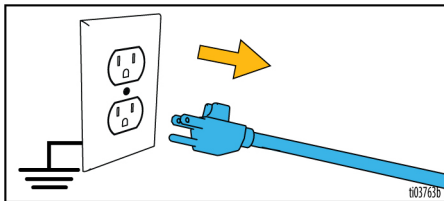


4. While holding hose firmly, point end of hose into paint bucket and turn ON/OFF switch to **ON** position.
 - a. If fluid does not flow out of hose, replace the hose and continue to step 4.
 - b. If fluid flows out of the hose, clean the gun filter, see **Clean the Gun and Gun Filter**, page 28.
5. Reassemble the hose and gun, and repeat **Startup**, page 14, procedure.

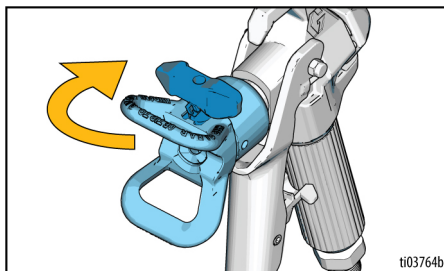
Pause in Spraying

Paint will dry quickly and cause clogs in the sprayer. Follow the steps listed here whenever pausing spraying longer than five minutes and up to two hours.

1. Perform **Pressure Relief Procedure**, page 14.
2. Unplug power cord.

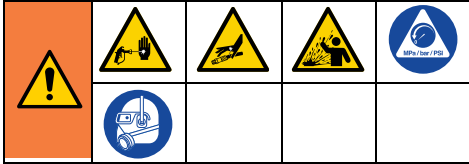


3. Turn Spray Tip 90 degrees to seal orifice from drying out.



Cleanup

Cleaning the sprayer after each use helps ensure a trouble free start-up the next time the sprayer is used.



- For short term shutdown periods (two hours to two days), refer to **Short Term Storage**, page 29.
- For faster cleanup using a garden hose, refer to **Cleanup with Power Flush Valve**, page 25.
- For cleanup from buckets, refer to **Cleaning from a Bucket**, page 23.
- Only used water for cleanup. Do not use solvents to clean the sprayer.

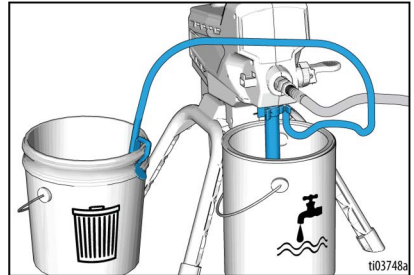
NOTICE

Protect the internal drive parts of this sprayer from water. Openings in shroud allow cooling of mechanical parts and electronics inside. If water gets into these openings, the sprayer could malfunction or be permanently damaged.

Cleaning from a Bucket

1. Perform **Pressure Relief Procedure**, page 14.
2. Remove Spray Tip from gun and set aside for cleaning, see **Spray Tip Removal**, page 21.
3. Place empty waste and full water bucket side by side.
4. Lift Suction Tube and Drain Tube from paint bucket. Let paint drain into the bucket.

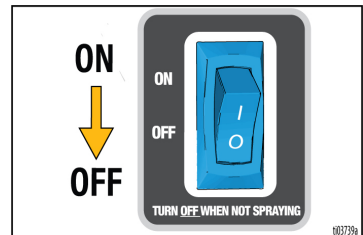
5. Place Suction Tube in water. Place Drain Tube in waste bucket.



6. With the Prime/Spray Valve still in PRIME position, turn power **ON**.



7. Flush until approximately 1/3 of the water is emptied from the bucket
8. Turn ON/OFF switch to **OFF** position.

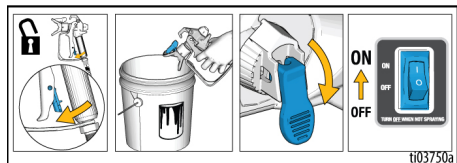


NOTE: Step 9 is for returning paint in hose to paint bucket. One 25 ft. (7.6 m) hose holds approximately 1/2 quart (0.5 liter) of paint.

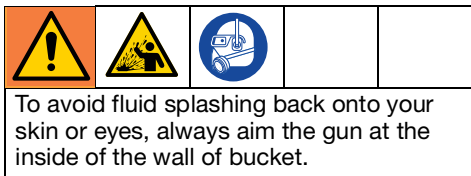
9. To recover paint in hose, point gun into paint bucket while holding gun firmly to the bucket.
 - a. Disengage Trigger Lock.
 - b. Pull and hold gun trigger.

Cleanup

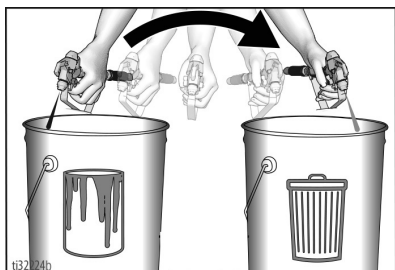
- c. Lower Prime/Spray Valve to **SPRAY** position.
- d. Turn ON/OFF switch to **ON** position.



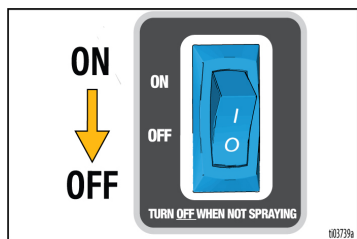
- e. Continue to hold Gun Trigger until you see paint diluted with water.



10. While continuing to trigger gun, quickly redirect spray into waste bucket. Trigger gun into waste bucket until water from gun is relatively clear.

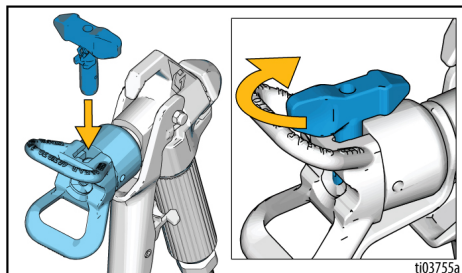


11. Turn Power Switch to **OFF** position.



12. Engage the Trigger Lock.

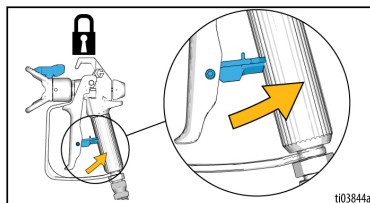
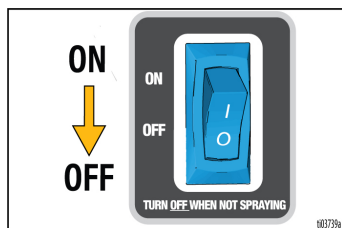
13. Install Spray Tip in the unclog position, see **Spray Tip Installation**, page 21.



14. Disengage Trigger Lock.
15. Point gun into waste bucket. Pull and hold trigger.
16. Turn Power Switch to **ON** position to clean Spray Tip.



17. Turn Power Switch to **OFF** position. Engage Trigger Lock.

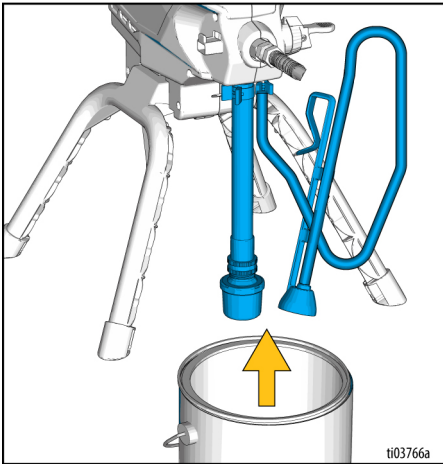


18. Follow **Storage**, page 29.

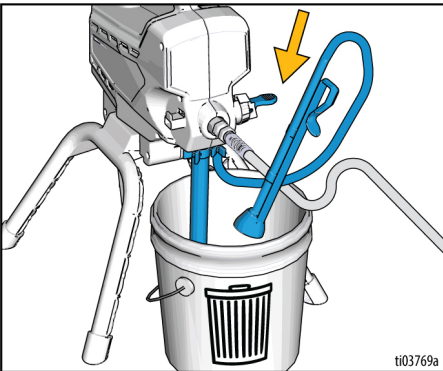
Cleanup with Power Flush Valve

Power flushing is a faster method of cleanup.

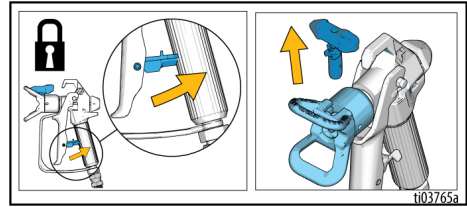
1. Perform **Pressure Relief Procedure**, page 14.
2. Place empty waste bucket next to paint bucket.
3. Lift Suction Tube and Drain Tube from paint bucket. Let paint drain into the bucket.



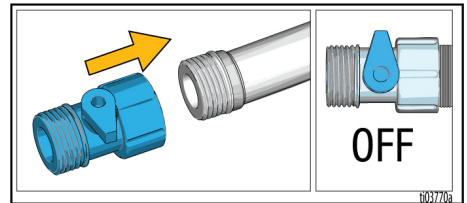
4. Place Suction and Drain Tube in waste bucket.



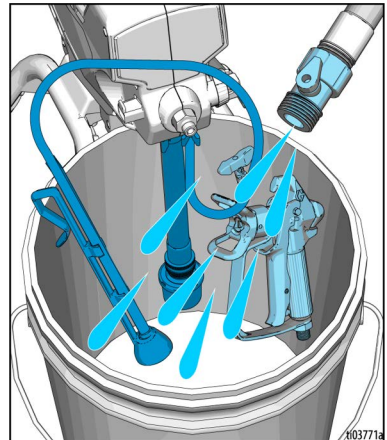
5. Remove Spray Tip and set aside for cleaning, see **Spray Tip Removal**, page 21.



6. Screw Power Flush Valve (included with sprayer) to garden hose. Close Power Flush Valve.

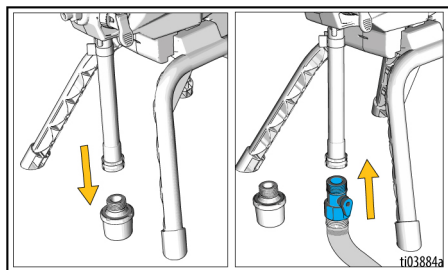


7. Turn on water. Open Power Flush Valve. Rinse paint off Suction Tube, Drain Tube, Inlet Screen, Gun and Spray Tip. Close Power Flush Valve.

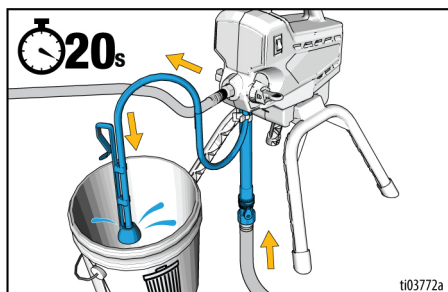


Cleanup

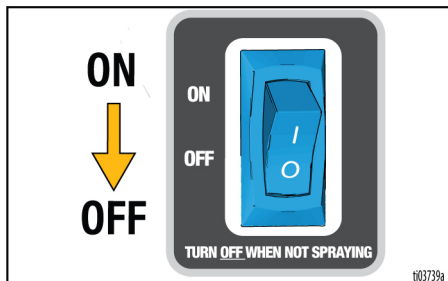
8. Unscrew inlet screen from Suction Tube and set aside. Connect Power Flush Valve to Suction Tube. Leave Drain Tube in waste bucket.



9. Open Power Flush Valve.
10. With the Prime/Spray Valve still in PRIME position, turn power **ON**.
11. Circulate water through sprayer, into waste bucket, for 20 seconds.



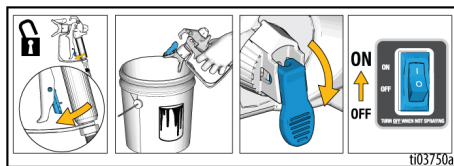
12. Turn ON/OFF switch to **OFF** position.



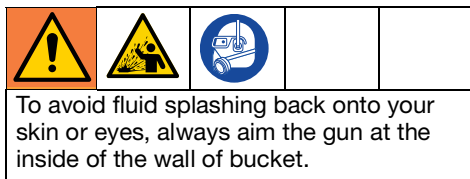
NOTE: Step 13 is for returning paint in hose to paint bucket. One 25 ft. (7.6 m) hose holds approximately 1/2 quart (0.5 liter) of paint.

13. To recover paint in hose, point gun into paint bucket while holding gun firmly to the bucket.

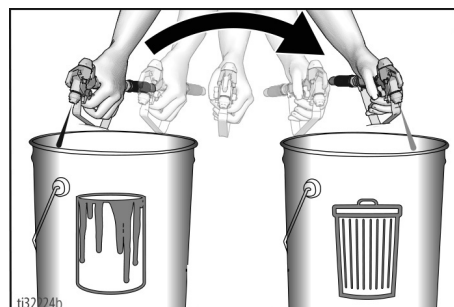
- a. Disengage Trigger Lock.
- b. Pull and hold gun trigger.
- c. Lower Prime/Spray Valve to Spray position.
- d. Turn ON/OFF switch to **ON** position.



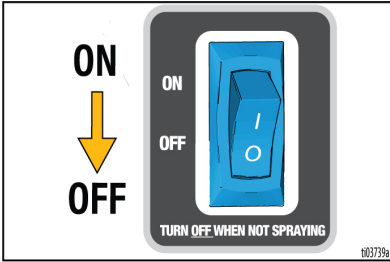
- e. Continue to hold Gun Trigger until you see paint diluted with water.



14. While continuing to trigger gun, quickly redirect spray into waste bucket. Continue triggering gun into waste bucket until water dispensed from gun is relatively clear.

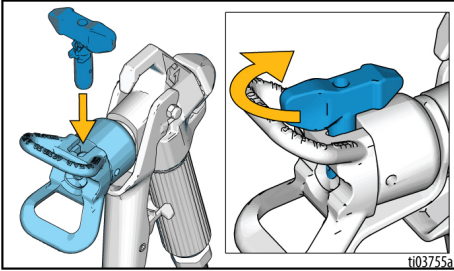


15. Turn Power Switch to **OFF** position.



16. Engage Trigger Lock.

17. Install Spray Tip in the unclog position, see **Spray Tip Installation**, page 21.



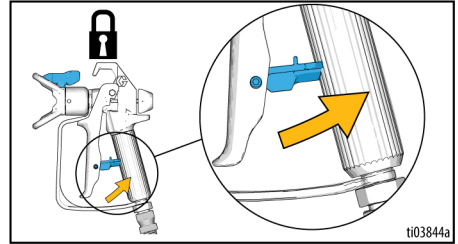
18. Disengage Trigger Lock.

19. Point gun into waste bucket. Pull and hold trigger.

20. Turn Power Switch to **ON** position to clean Spray Tip.



21. Turn Power Switch to **OFF** position. Engage Trigger Lock.

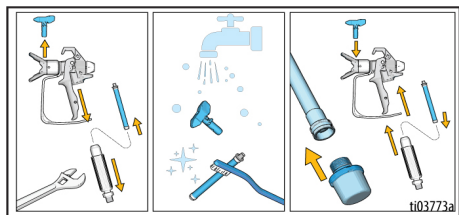


22. Turn Power Flush Valve OFF. Disconnect from Suction Tube and re-install Inlet Screen after cleaning it.

23. Follow **Storage**, page 29.

Clean the Gun and Gun Filter

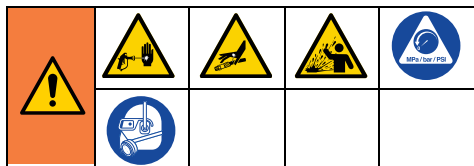
1. Perform **Pressure Relief Procedure**, page 14.
2. Using a wrench, remove the gun handle by unscrewing the handle from the gun head.
3. Clean gun filter with water and a brush every time you flush the system. Replace gun filter if damaged.
4. Remove Spray Tip and clean with water and a brush, see **Spray Tip Removal**, page 21.



5. See **Spray Tip Installation**, page 21, to properly reinstall Spray Tip.
6. Wipe paint off outside of gun using a soft cloth moistened with water.

Storage

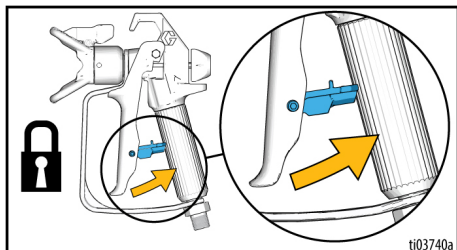
With proper storage, the sprayer will be ready to use the next time it is needed.



Short Term Storage

(From two hours to up to two days)

1. Disconnect power (unplug power cord). Perform **Pressure Relief Procedure**, page 14.
2. Leave Suction Tube and Drain Tube in paint bucket.
3. Cover paint bucket tightly with plastic wrap.
4. Engage Trigger Lock.



5. Leave gun attached to hose.
6. Turn Spray Tip 90 degrees to seal it.
7. Wipe paint off outside of gun using a soft cloth moistened with water.

Long Term Storage

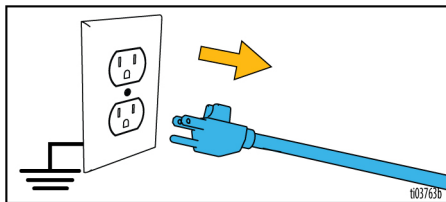
(Longer than two days)

NOTICE

To prevent damage from dried paint during long-term storage:

- Do not store the sprayer full of water.
- Do not allow water to freeze in sprayer.
- Do not store sprayer under pressure.
- Store sprayer indoors.

1. Follow **Cleanup**, page 23.
2. Disconnect power (unplug power cord).



3. Secure a plastic bag around Suction and Drain Tube to catch any drips.

Quick Reference

Page 11	Name	Description
A	Power - ON/OFF Switch	Turns sprayer ON and OFF.
B	Speed Control	Increases (clockwise) and decreases (counter-clockwise) fluid pressure in pump, hose, and spray gun.
C	Prime/Spray Valve	• In PRIME position directs fluid to Drain Tube. • In SPRAY position directs pressurized fluid to paint hose.
D	Airless Spray Gun	Dispenses fluid.
E	Spray Tip	• Atomizes fluid being sprayed, forms spray pattern and controls fluid flow according to hole size. • Reverse position unclogs plugged Spray Tips with-out disassembly.
F	Spray Tip Guard	Reduces risk of fluid injection injury.
G	Gun Trigger Lock	Prevents accidental triggering of spray gun.
H	Gun Filter (inside handle)	Filters fluid entering spray gun to reduce Spray Tip clogs.
J	Outlet Valve (airless hose connection)	Threaded connection for airless hose. Allows paint to flow from the sprayer to the gun.
K	Suction Tube	Draws fluid from paint bucket into pump.
L	Inlet Screen	Prevents debris from entering pump.
M	Power Flush Valve	Connects garden hose to Suction Tube for power flushing water-based fluids.
N	Power Cord	Plugs into power source.
P	Airless Hose	Transports high-pressure fluid from pump to spray gun.
Q	Drain Tube Mount	Properly positions drain tube while spraying paint.
R	Drain Tube	Drains fluid in system during priming, pressure relief, and spraying.
S	Drain Tube Clip	Attaches drain tube to sprayer or waste bucket.
T	Inlet Valve	Allows paint to flow from paint bucket into the sprayer.
U	Gun Fitting	Threaded connection for paint hose.

Maintenance

Routine maintenance is important to ensure proper operation of your sprayer.



Maintenance Activity	
1.	Inspect motor shroud openings for blockage every time you spray.
2.	Clean/inspect inlet screen and gun filter every time you spray. Replace if the filter cannot be cleaned or is damaged.

Airless Hoses

Check hose for damage every time you spray. Do not attempt to repair hose if hose jacket or fittings are damaged. Do not use hoses shorter than 25 ft. (7.6 m). Wrench tighten, using two wrenches.

Recycling and Disposal

End of Product Life

At the end of the product's useful life, dismantle and recycle it in a responsible manner.

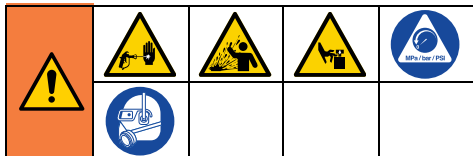
- Perform **Pressure Relief Procedure**, page 14, to relieve system pressure.
- Drain and dispose of fluids according to applicable regulations. Refer to the material manufacturer's Safety Data Sheet.

- Remove motors, batteries, circuit boards, LCDs (liquid crystal displays), and other electronic components. Recycle according to applicable regulations.
- Do not dispose of electronic components with household or commercial waste.



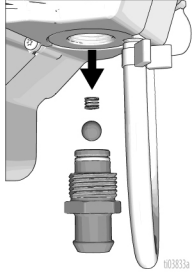
Deliver remaining product to a recycling facility.

Troubleshooting



1. Follow **Pressure Relief Procedure**, page 14.
2. Solutions at the beginning of each problem listed are the most common.
3. Check everything in this Troubleshooting Table before you bring the sprayer to an authorized service center.

Problem	Cause	Solution
Motor does not run: (verify sprayer is plugged in, and ON/OFF switch is on)	Electric outlet is not providing power.	Test outlet with known working device. Find working outlet. Reset building circuit breaker or replace fuse.
	Extension cord is damaged.	Replace extension cord. See General Warnings , page 7.
	Sprayer electric cord is damaged.	Call Graco technical support.
	Water is frozen in pump.	Turn ON/OFF switch OFF and unplug sprayer from outlet. Place sprayer in warm area for several hours.
	Paint has hardened in pump.	Call Graco technical support.
	Motor automatically shut-off due to over-heating.	Keep vent holes clear of obstructions and overspray and allow motor to cool for one hour.
		Move sprayer to cooler area. Allow motor to cool for one hour.
		Use heavier gage extension cord. Allow motor to cool for one hour.
		Use electrical generator with a proper voltage regulator. Allow motor to cool for one hour.
	Motor is damaged.	Call Graco technical support.

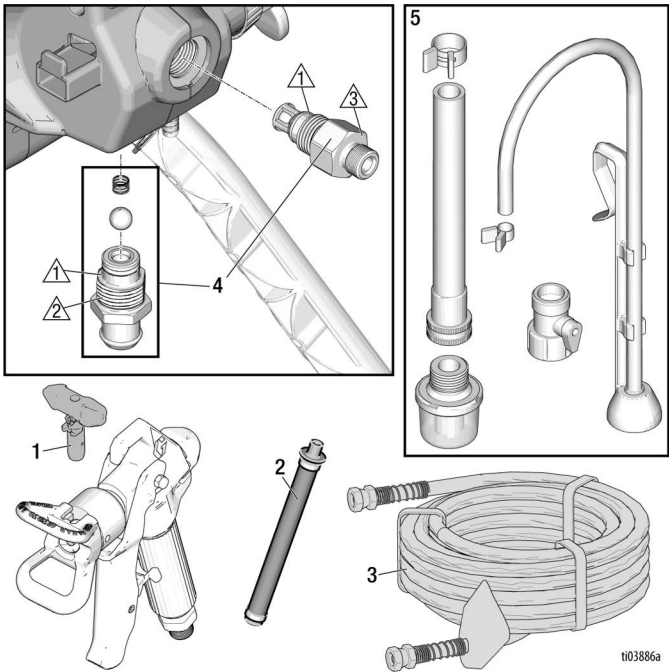
Problem	Cause	Solution
Sprayer runs, but pump does not prime or loses prime while in use. (Pump cycles but does not pull paint into Suction Tube or build pressure.)	Prime/Spray Valve is in SPRAY position.	Set Prime/Spray Valve to PRIME position until paint exits Drain Tube.
	Inlet screen is clogged or Suction Tube is not completely immersed in paint.	Clean debris off inlet screen and make sure Suction Tube is completely immersed in paint.
	Inlet or outlet valve ball is stuck or dirty.	Remove Suction Tube. Use a pencil, or small tool to loosen inlet ball.
		Remove inlet and/or outlet valves and clean, replace and reprime. See Cleanup , page 23 and Setup , page 13. See figures below:
		Make certain to not lose the ball and spring of the inlet valve assembly or the sprayer will not function.
		
		Make certain the outlet ball moves free in the housing before replacing.
	Suction Tube is leaking.	Inspect Suction Tube connection for cracks or vacuum leaks. Make sure Hose Clamp is secure.
	Debris in paint causing obstruction.	Strain the paint. See Startup , page 14.
	Debris in pump.	Follow Cleanup with Power Flush Valve , page 25, to clear debris.
	Prime/Spray Valve is worn or obstructed with debris.	Call Graco technical support.

Troubleshooting

Problem	Cause	Solution
Pump is primed, but can not achieve good spray pattern.	Spray Tip may be partially clogged.	See Clear Spray Tip Clog , page 20.
	Reversible Spray Tip is in UNCLOG position.	Rotate arrow-shaped handle on Spray Tip so it points forward to SPRAY position. See page Clear Spray Tip Clog , page 20.
	Debris in paint causing obstruction.	Strain the paint. See Strain the Paint , page 16.
	Pressure is too low.	Increase Speed Control setting. See Spraying , page 18.
	Spray gun filter is clogged.	Clean or replace gun filter. See Clean the Gun and Gun Filter , page 28.
	Spray Tip is worn beyond the capability of sprayer.	Replace Spray Tip. See Spray Tip Removal , page 21.
	Inlet screen is clogged or Suction Tube is not immersed in paint.	Clean debris off inlet screen and make sure Suction Tube is immersed in paint.
	Extension cord is too long or not heavy enough gauge.	Replace extension cord.
	Inlet valve or outlet valve is worn or clogged with debris.	See if Inlet or Outlet Valve is stuck or dirty from previous use, see page 33.
	Material is too thick.	Thin material. Follow manufacturers recommendations.
	Airless hose is too long (if extra section was added).	Remove section of airless hose.
	Airless hose is clogged.	See, Blockages , page 22.
	Spray Tip gasket and seal worn.	Call Graco technical support.
Spray gun stopped spraying while trigger is pulled.	Spray Tip is clogged.	See Refilling Paint Bucket , page 21
	Sprayer lost prime.	Reprime sprayer. See Startup , page 14. See Troubleshooting , page 32.
	Reversible spray tip turned 90 degrees.	Rotate spray position, see Know Your Controls , page 12.
When paint is sprayed, it runs down the wall or sags.	Material is going on too thick.	Move gun faster, see Spray Techniques , page 19.
		If using a narrow tip, change to a wide tip.
		Make sure gun is far enough from surface.
		Spray tip worn, replace.

Problem	Cause	Solution
When paint is sprayed, coverage is inadequate.	Material is going on too thin.	Move gun slower, see Spray Techniques , page 19.
		increase speed control setting, see Spraying , page 18.
		If using a narrow tip, change to a wide tip.
		Make sure gun is close enough to surface.
		Replace tip.
Fan pattern varies dramatically while spraying.	Prime/Spray Valve is worn and causing excessive pressure variation.	Call Graco technical support.
Cannot trigger spray gun.	Spray gun trigger lock is engaged.	Disengage trigger lock.
Paint leaks down outside of pump.	Pump is worn.	Replace sprayer.
Water comes out around spray tip when spraying.	Water is thinner than paint.	This happens occasionally and does not indicate a problem.
Paint comes out around spray tip when spraying.	Paint build-up around spray tip.	Remove tip and clean gun, see Cleanup , page 23.

Replacement Parts



Ref.	Torque
1	Apply lube (included) to seal
2	50-55 in-lb (5.1-6.2 N•m)
3	95-100 in-lb (10.7-11.3 N•m)

Kit Part Lists

Ref.	Part Number	Description
1	18F519	KIT, TrueCoat Narrow and Wide Stain Spray Tip
	18F520	KIT, TrueCoat Narrow and Wide Paint Spray Tip
2	288749	Gun Filter, 60 Mesh
	288750	Gun Filter, 100 Mesh
3	277481	1/4 in. x 25 ft. Hose, 3000 PSI
4	2010968	TC1 Inlet and Outlet Kit
5	2010969	TC1 Suction and Drain Tube Kit

Technical Specifications

	US	Metric
Sprayer		
Maximum fluid working pressure	1700 psi	117 bar, 11.7 MPa
Maximum Delivery	0.20 gpm	0.76 lpm
Maximum Spray Tip Size	0.015 in.	0.38 mm
Fluid Outlet npsm	1/4 in.	1/4 in.
Generator Minimum	2500 W	
Power Requirements	110–120V, 4A, 60 Hz,1Ø	
Sound Pressure Level	77.2 dBA	
Sound Power Level per ISO 3744	89.8 dBA	
Dimensions		
Height	18.0 in.	45.7 cm
Length	14.0 in.	35.6 cm
Width	14.2 in.	36.0 cm
Weight	6.5 lb.	2.9 kg
Storage temperature range ♦♦	32° to 113°F	0° to 45°C
Operating temperature range ✓	40° to 90°F	4° to 32°C
Materials of Construction		
Wetted materials on all models	Stainless steel, brass, ultra-high molecular weight polyethylene (UHMWPE), carbide, nylon, aluminum, PVC, polypropylene, fluoroelastomer, plated steel, acetal, silicone nitride.	

♦ When pump is stored with non-freezing fluid, pump damage will occur if water or latex paint freezes in pump.

♦ Damage to plastic parts may result if impact occurs in low temperature conditions.

✓ Changes in paint viscosity at very low or very high temperatures can affect sprayer performance.

California Proposition 65

CALIFORNIA RESIDENTS

 **WARNING:** Cancer and reproductive harm – www.P65warnings.ca.gov.

Graco Standard Warranty

Graco Standard Warranty

Graco warrants all equipment referenced in this document which is manufactured by Graco and bearing its name to be free from defects in material and workmanship on the date of sale to the original purchaser for use. With the exception of any special, extended, or limited warranty published by Graco, Graco will, for a period of twelve months from the date of sale, repair or replace any part of the equipment determined by Graco to be defective. This warranty applies only when the equipment is installed, operated and maintained in accordance with Graco's written recommendations.

This warranty does not cover, and Graco shall not be liable for general wear and tear, or any malfunction, damage or wear caused by faulty installation, misapplication, abrasion, corrosion, inadequate or improper maintenance, negligence, accident, tampering, or substitution of non-Graco component parts. Nor shall Graco be liable for malfunction, damage or wear caused by the incompatibility of Graco equipment with structures, accessories, equipment or materials not supplied by Graco, or the improper design, manufacture, installation, operation or maintenance of structures, accessories, equipment or materials not supplied by Graco.

This warranty is conditioned upon the prepaid return of the equipment claimed to be defective to an authorized Graco distributor for verification of the claimed defect. If the claimed defect is verified, Graco will repair or replace free of charge any defective parts. The equipment will be returned to the original purchaser transportation prepaid. If inspection of the equipment does not disclose any defect in material or workmanship, repairs will be made at a reasonable charge, which charges may include the costs of parts, labor, and transportation.

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In no event will Graco be liable for indirect, incidental, special or consequential damages resulting from Graco supplying equipment hereunder, or the furnishing, performance, or use of any products or other goods sold hereto, whether due to a breach of contract, breach of warranty, the negligence of Graco, or otherwise.

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For the latest information about Graco products, visit www.graco.com.

For patent information, see www.graco.com/patents.

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Original instructions. This manual contains English. MM X021545EN

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