

Contractor[®] PowerShot[™] Spray Guns

3B0149E

EN

For the application of architectural paints and coatings only. Not approved for use in explosive atmospheres or hazardous (classified) locations. For professional use only.

3300 psi (22.8 MPa, 228 bar) Maximum Working Pressure

See page 3 for model information



Important Safety Instructions

Read all warnings and instructions in this manual, your sprayer manual and in the battery and charger manual before using the equipment. Be familiar with the proper control and usage of the equipment. Save these instructions.

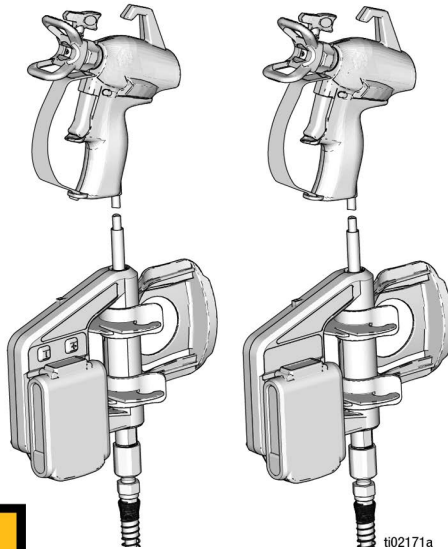


Important Medical Information

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

XT

Standard



POWERED BY



DEWALT[®]



Contents

Models	3
Related Manuals	3
Safety Symbols	4
Warnings	5
Know Your PowerShot	7
Grounding	8
Setup	9
Pressure Relief Procedure	9
Gun Trigger Lock	9
Spray Tip Installation	10
Connect Gun to Sprayer	10
Belt Setup	11
Startup	13
Pair Gun with Sprayer (PowerShot XT only)	14
Remote Pressure Adjustment (PowerShot XT only)	15
SmartStall™	16
Disable/Enable SmartStall™ (PowerShot XT only)	16
Unpair PowerShot XT from SmartDisplay XT	16
Spraying	17
Spray Tip Orientation	17
Clear Tip Clogs	17
Cleanup	18
Maintenance	20
Clean/Replace Filter	20
Repair/Replacement	21
Replacing PowerShot ProConnect Cartridge	21
Troubleshooting	22
Advanced Troubleshooting (Gun Not Working Properly)	24
Advanced Troubleshooting (Debris Stuck in Spray Gun)	25
Recycling and Disposal	26
End of Product Life	26
Exploded Parts View	27
Replacement Parts	28
Compliance	30
Radio Frequency Approvals	30
Technical Specifications	31
California Proposition 65	31
Graco Standard Warranty	32
Graco Information	32

Models

Approvals	Model	Description	Region	Charger Voltage
	18H300	Contractor PowerShot Standard	North America	120V
	18H301	Contractor PowerShot XT		
	18H313	Contractor PowerShot XT with Smart Display™		
	18H302	Contractor PowerShot Standard	United Kingdom	230V
	18H303	Contractor PowerShot XT		
	18H315	Contractor PowerShot XT with Smart Display™		
	18H304	Contractor PowerShot Standard	Europe	
	18H305	Contractor Power Shot XT		
	18H314	Contractor PowerShot XT with Smart Display™		
	18H306	Contractor PowerShot Standard	Japan, Taiwan	100V
	18H307	Contractor PowerShot XT		
	18H308	Contractor PowerShot Standard	Korea	
	18H309	Contractor PowerShot XT		
	18H310	Contractor PowerShot Standard	Australia, New Zealand	230V
	18H311	Contractor PowerShot XT		

Compatible with the following DeWALT batteries: DCB183 (18V) and DCB203 (20V)

Related Manuals






Find English manuals and any available translations at www.graco.com.









Manual in English	Description
	DeWALT charger manual
3B0111	Smart Display™ XT, Accessory, Instructions
X020225EN	Contractor PowerShot Spray Guns Kits, Parts

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
	Electrical Shock Hazard
	Equipment Misuse Hazard
	Fire and Explosion Hazard
	Skin Injection Hazard
	Skin Injection Hazard
	Splash Hazard
	Toxic Fluid and 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
	Eliminate Ignition Sources
	Consult Doctor
	Follow Pressure Relief Procedure
	Ground Equipment
	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.

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	
    	<p>SKIN INJECTION HAZARD</p> <p>High-pressure fluid from gun, hose leaks, or ruptured components will pierce skin. This may look like just a cut, but it is a serious injury that can result in amputation. Get immediate surgical treatment.</p> <ul style="list-style-type: none"> • Do not spray without tip guard and trigger guard installed. • Engage trigger lock when not spraying. • Do not point gun at anyone or at any part of the body. • Do not put your hand over the Spray Tip. • Do not stop or deflect leaks with your hand, body, glove, or rag. • Follow the Pressure Relief Procedure and remove the battery when you stop spraying and before cleaning, checking, or servicing equipment. • Tighten all fluid connections before operating the equipment. • Check hoses and couplings daily. Replace worn or damaged parts immediately.
   	<p>FIRE AND EXPLOSION HAZARD</p> <p>Flammable fumes, such as solvent and paint fumes, in work area can ignite or explode. Paint or solvent flowing through the equipment can cause static sparking. To help prevent fire and explosion:</p> <ul style="list-style-type: none"> • Use equipment only in well ventilated area. • Eliminate all ignition sources; such as pilot lights, cigarettes, portable electric lamps, and plastic drop cloths (potential static sparking). • Ground all equipment in the work area. See Grounding instructions. • Never spray or flush solvent at high pressure. • Keep work area free of debris, including solvent, rags and gasoline. • Do not plug or unplug power cords, or turn power or light switches on or off when flammable fumes are present. • Use only grounded hoses. • Hold gun firmly to side of grounded pail when triggering into pail. Do not use pail liners unless they are anti-static or conductive. • Stop operation immediately if static sparking occurs or you feel a shock. Do not use equipment until you identify and correct the problem. • Keep a working fire extinguisher in the work area.

Warnings

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.
- 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.



BATTERY AND CHARGER COMPATIBILITY HAZARD



- Only use DEWALT brand 18V Max or 20V Max batteries and battery chargers with this tool.
- READ ALL INSTRUCTIONS included with this tool regarding the safety and usage of DEWALT batteries and battery chargers
- Do not wash or spray down battery.
- Do not clean the battery with anything other than a cloth moistened with water.



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 ou are using.
- Store hazardous fluid in approved containers, and dispose of it according to applicable guidelines.

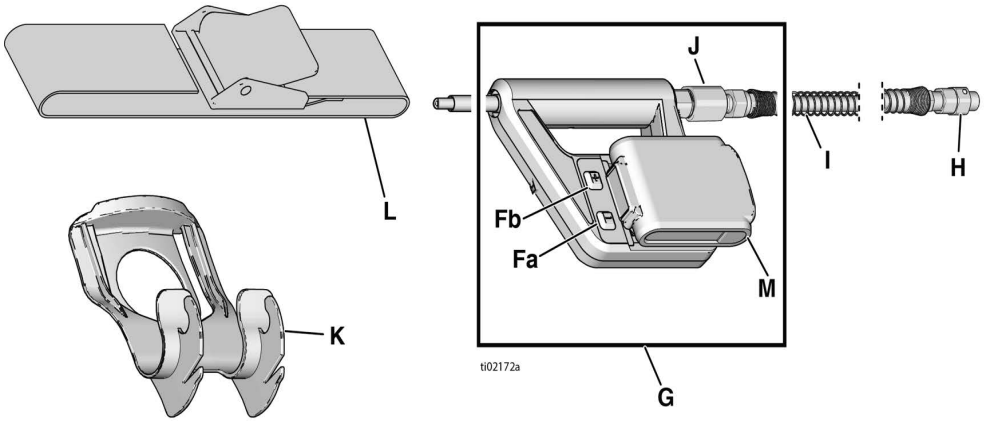
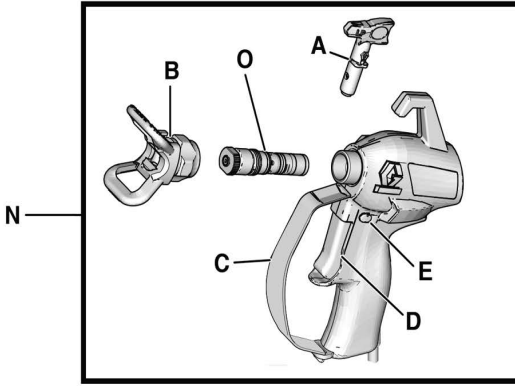


PERSONAL PROTECTIVE EQUIPMENT

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. This 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 PowerShot






A	Spray Tip
B	Spray Tip Guard
C	Trigger Guard
D	Trigger
E	Trigger Lock
Fa	Remote Pressure Decrease Button (XT models only)
Fb	Remote Pressure Increase Button (XT models only)

G	PowerPak™
H	EasyGlide™ Swivel
I	Material Supply Whip Hose
J	Filter Housing Assembly (filter inside)
K	PowerShot Holster
L	Belt
M	Battery
N	Spray Gun
O	PowerShot ProConnect® Cartridge

Grounding

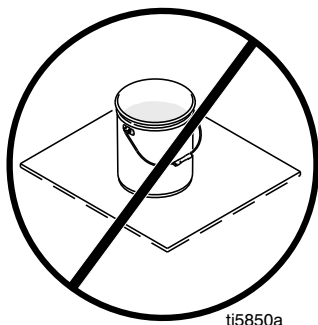
Grounding

				
<p>The equipment must be grounded to reduce the risk of static sparking. Static sparking can cause fumes to ignite or explode. Grounding provides an escape wire for the electric current.</p>				

Spray Gun: ground through connection to a properly grounded fluid hose and pump.

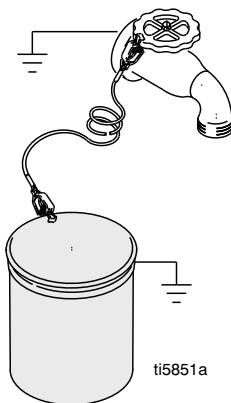
Fluid Supply Container: follow local code.

Solvent Pails Used when Flushing: follow local code. Use only conductive metal pails, placed on a grounded surface. Do not place the pail on a nonconductive surface, such as paper or cardboard, which interrupts grounding continuity.

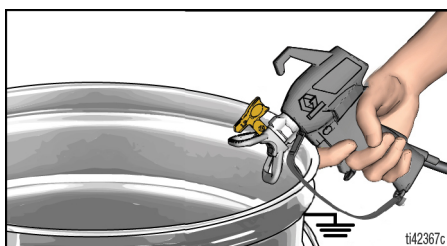


Fluid Hose: use only electrically conductive hoses with a maximum of 500 ft. (150 m) combined hose length to ensure grounding continuity. Check electrical resistances of hoses. If total resistance to ground exceeds 29 megohms, replace hose immediately.

Ground Metal Pails: Connect a ground wire to the pail by clamping one end to the pail and the other end to a ground such as a water pipe.



Maintain Grounding Continuity: When flushing or relieving pressure, hold a metal part of the gun firmly against the side of a grounded metal pail, then trigger the gun.

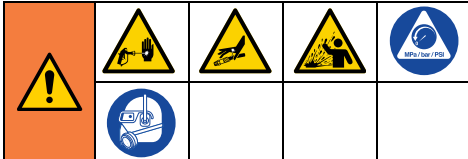


Setup

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 or splashed fluid, follow the **Pressure Relief Procedure** whenever sprayer is stopped and before sprayer is cleaned or checked, and before equipment is serviced.

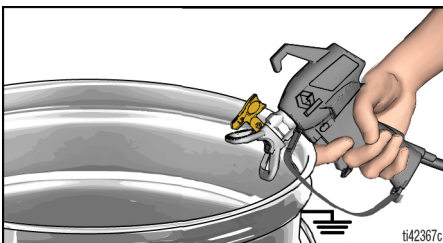
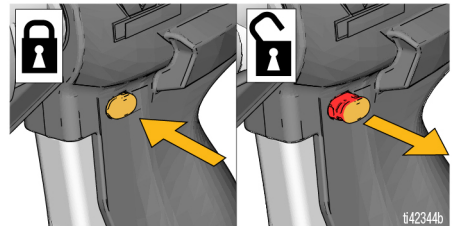
1. Turn sprayer **OFF**.
2. Engage the Trigger Lock. Always engage the Trigger Lock when sprayer is stopped to prevent the gun from being triggered accidentally.
3. Turn pressure control knob to lowest setting.
4. Put drain tube into a waste pail and turn Prime/Spray valve in PRIME position (drain) to relieve pressure.
5. Hold the gun firmly to a pail. Point gun into pail. Disengage the Trigger Lock and trigger the gun to relieve pressure.

6. Engage the Trigger Lock.
7. If you suspect the Spray Tip or hose is clogged or that pressure has not been fully relieved:
 - a. Using a wrench, **VERY SLOWLY** loosen the tip guard retaining nut or the hose end coupling to relieve pressure gradually.
 - b. Using a wrench, loosen the nut or coupling completely.
 - c. Clear airless hose or Spray Tip obstruction. See **Clear Tip Clogs**, page 17.

Gun Trigger Lock



To prevent injury when the gun is not in use, always engage the gun's Trigger Lock if unit is being shut down or left unattended.



Setup

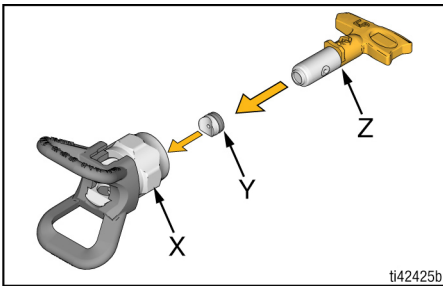
Spray Tip Installation



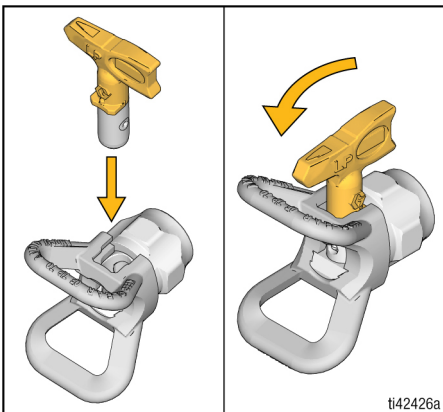
To avoid serious injury from skin injection, do not put your hand in front of the Spray Tip when installing or removing the Spray Tip and Spray Tip Guard.

To prevent Spray Tip leaks, make certain Spray Tip and Spray Tip Guard are installed properly.

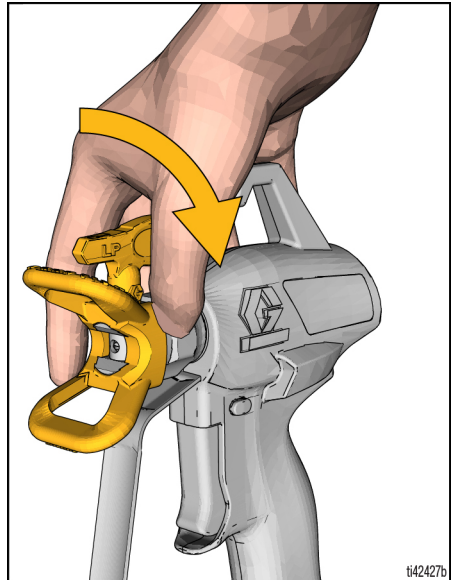
1. Perform **Pressure Relief Procedure**, page 9.
2. Remove Battery from PowerPak.
3. Use Spray Tip (X) to insert OneSeal™ (Y) into Spray Tip Guard (Z).



4. Insert Spray Tip into Spray Tip Guard.



5. Screw assembly onto Spray Gun and hand tighten.



NOTE: The PowerShot has a yellow solvent gasket at the end of the Cartridge. This allows for the use of the standard OneSeal™ for all material applications.

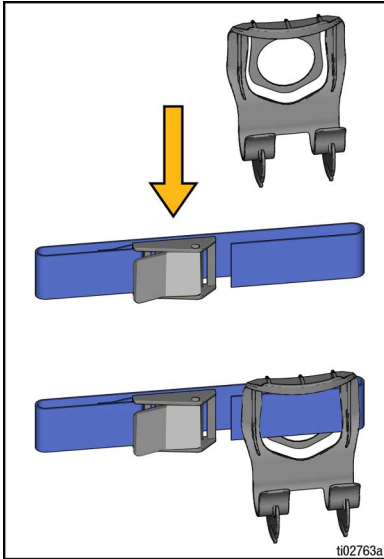
Connect Gun to Sprayer

Make sure sprayer is turned OFF and unplugged from power source. Refer to your sprayer instruction manual for priming and spray instructions.

1. Attach supply hose to sprayer fluid outlet.
2. Attach other end of supply hose to the EasyGlide Swivel. Use two wrenches (one on the PowerShot EasyGlide Swivel and one on the hose), to tighten all connections securely.
3. Refer to sprayer instruction manual for priming instructions.

Belt Setup

1. Install PowerShot Holster onto Belt located per the user's preference (left side, right side, or back side).

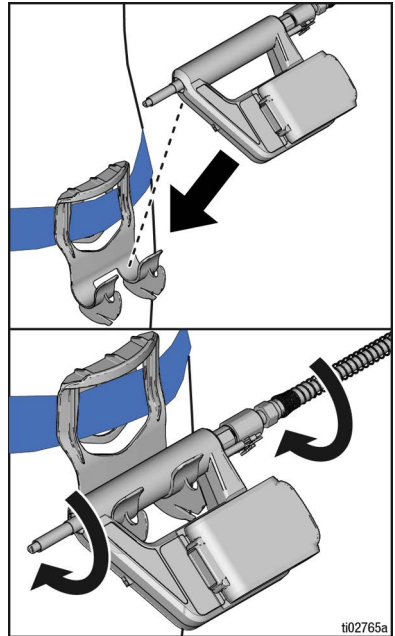


2. Attach the Belt on waist and tighten until snug. Close Belt Latch.

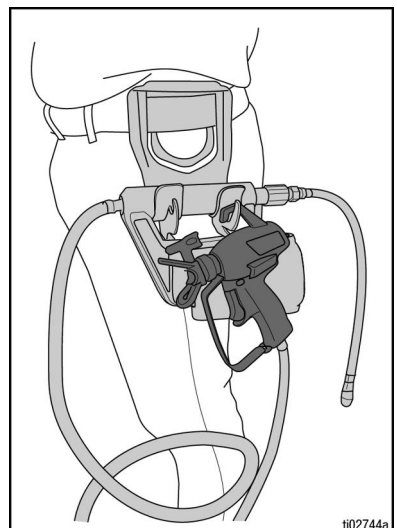
NOTE: It is recommended to tighten the Belt fairly tight to ensure the PowerPak is held securely during use.



3. To attach PowerPak to the PowerShot Holster, rotate PowerPak slightly outward and slide it into the Holster. Rotate inward to lock into place.

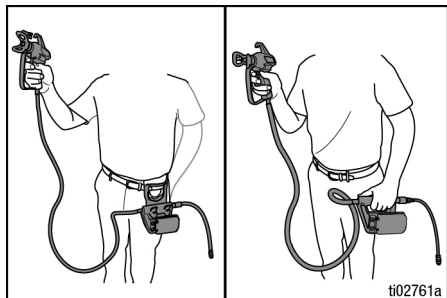


4. Spray Gun can hook on the outside of the PowerShot Holster as shown for hands-free mobility.

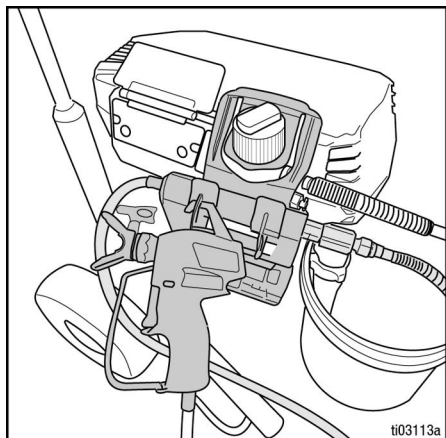


Setup

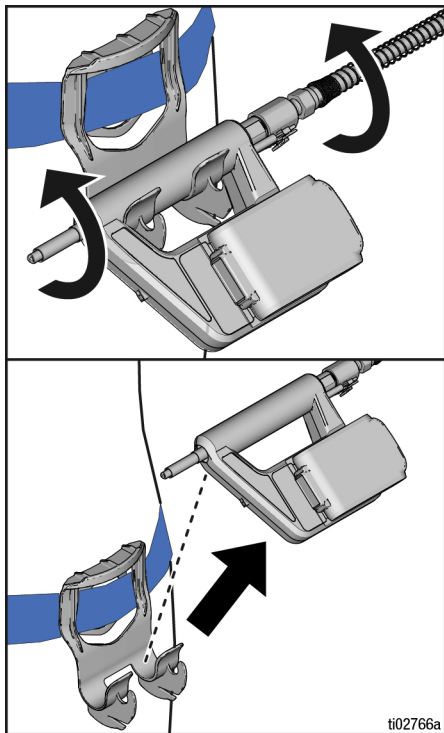
NOTE: The PowerPak can also be held by hand while spraying. See both instances below.



NOTE: The PowerPak and PowerShot gun may be stored on paint sprayer filter housing by using PowerPak Holster.



5. To remove PowerPak from the Holster, rotate PowerPak slightly outward and lift it out of the Holster.





NOTE: Extra Belt length can be cut to desired size with scissors.

NOTICE

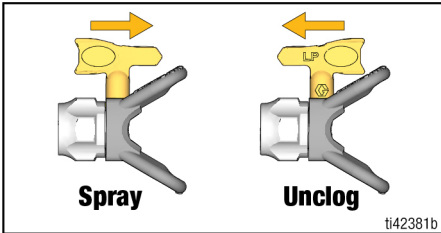
Never pull the sprayer around by the Spray Gun. Doing so can damage or disconnect the wire connections in the Spray Gun.

Startup

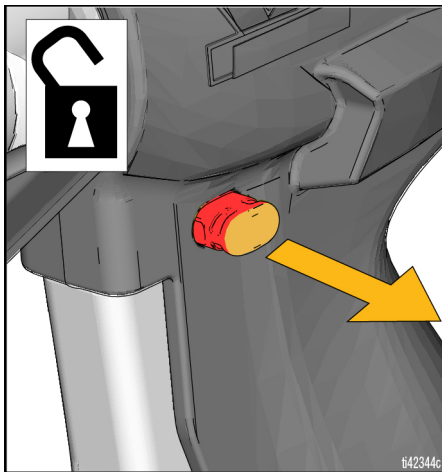
Always start with a fully charged Battery. Do not splash or immerse Battery or charger in water or solvents. See Battery and charger information shipped with the sprayer.

				
<p>To avoid serious injury from fire and explosion, replace and charge Battery only in a well-ventilated area and away from flammable or combustible materials, including paints and solvents.</p>				

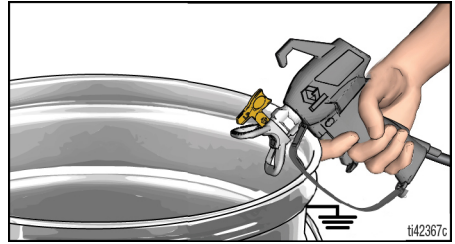
1. Install fully charged Battery onto PowerPak.
2. Turn the Spray Tip to UNCLOG position.



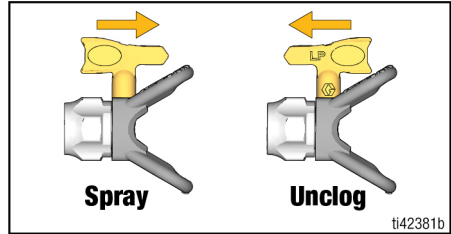
3. Disengage Trigger Lock.



4. Refer to sprayer instruction manual for priming instructions.
5. Point the Spray Gun into a waste pail and pull the Trigger until paint flows from gun.



6. Turn the Spray Tip forward to SPRAY position.



You are now ready to spray!

Startup

Pair Gun with Sprayer (PowerShot XT only)

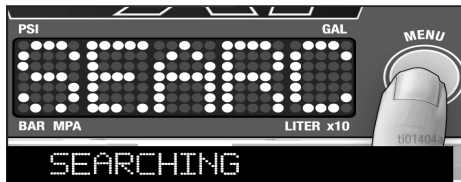
For the additional features (remote pressure adjustment and SmartStall) of the Contractor PowerShot XT spray gun to function, it must be paired with a SmartDisplay XT. Only one Contractor PowerShot XT spray gun can be paired to a SmartDisplay XT at a time.

NOTE: If two spray guns are preferred, it is recommended that the SmartStall™ feature be disabled, see **Disable/Enable SmartStall™ (PowerShot XT only)**, page 16.

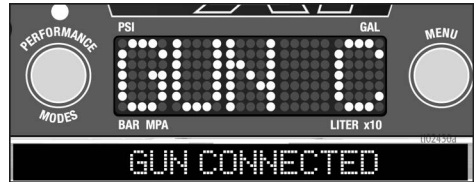
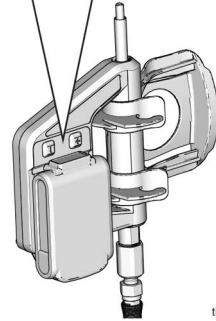
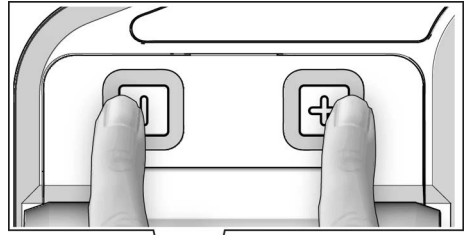
1. Plug sprayer power cord into a properly grounded electrical outlet and turn ON/OFF switch to **ON** position.
2. Perform pressure relief procedure as outlined in the sprayer manual.
3. Attach fully charged battery to Contractor PowerShot XT PowerPak System.
4. Short press right menu button on SmartDisplay XT until “PAIR SPRAY GUN” begins to scroll across display.



5. Press and hold right menu button until “SEARCHING” begins to scroll across display.



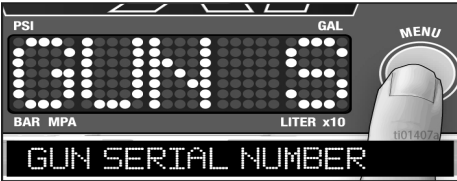
6. While “SEARCHING” is scrolling across display, press and hold both pressure adjustment buttons simultaneously on the PowerPak System until “GUN CONNECTED” scrolls across the display. Once connected, both buttons can be released and the SmartDisplay XT will return to display the current system pressure.



7. If the Contractor PowerShot XT spray gun fails to pair to the SmartDisplay XT, “GUN NOT FOUND” will scroll across the display before returning to the “PAIR SPRAY GUN” screen.



The serial number of the paired Contractor PowerShot XT spray gun can be accessed by pressing the menu button three times until the “GUN SERIAL NUMBER” text is displayed.



Remote Pressure Adjustment (PowerShot XT only)

An additional feature of SmartDisplay XT paired with a Contractor PowerShot XT spray gun is remote pressure adjustments, allowing the user to increase or decrease pressure while spraying at a distance up to 200 feet (60 meters) from the sprayer.

With the sprayer powered on, pressurized, and the PowerShot XT paired to the sprayer, pressure increases and decreases each time the Remote Pressure Button is pressed while spraying, increment dependent on sprayer Pressure Mode:

- 50 psi (0.35 MPa, 3.5 bar) in High Pressure Mode
- 25 psi (0.17 MPa, 1.7 bar) in Low Pressure Mode

SmartStall™

SmartStall allows PowerShot XT to start and stop the motor upon Trigger pull and release to eliminate pressure pulsations and gun kickback.

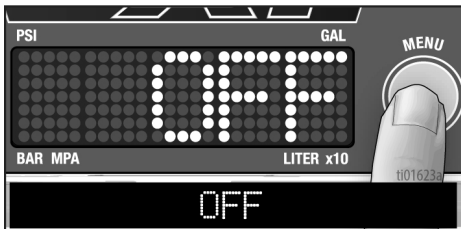
Disable/Enable SmartStall™ (PowerShot XT only)

Upon first installation, the SmartDisplay XT will enable the XT sprayer to run with the SmartStall feature when paired with a Contractor PowerShot XT spray gun. A user may prefer to disable the SmartStall feature. To disable, follow the instructions below:

1. Short press right menu button on SmartDisplay XT until “SMART STALL ON” begins to scroll across display.



2. Press and hold right menu button until “OFF” is displayed on the SmartDisplay XT.



NOTE: To re-enable SmartStall feature, follow steps 1 and 2 until “ON” is displayed on the SmartDisplay XT.

Unpair PowerShot XT from SmartDisplay XT

In some cases, it may be preferred to unpair the Contractor PowerShot XT spray gun from a SmartDisplay XT. This can be completed via the following steps:

1. Plug sprayer power cord into a properly grounded electrical outlet and turn ON/OFF switch to **ON** position.
2. Press menu button on display until “DISCONNECT SPRAY GUN” begins to scroll across screen.
3. Press and hold menu button on “DISCONNECT SPRAY GUN” screen until “GUN DISCONNECTED” begins to scroll.



Spraying



Take a few moments prior to spraying and review these simple tips to ensure your spraying project is a success.



INJECTION OR SPLASH HAZARD

Unexpected gun operation can cause serious injury. To prevent serious injury:

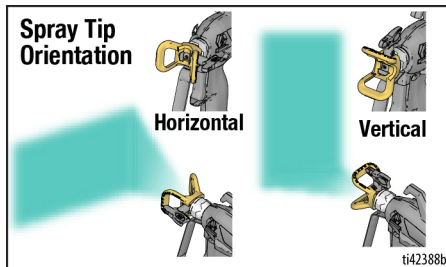
- Do not use the gun near equipment or items that produce magnetic fields. Magnetic fields may actuate the Trigger.

Spray Tip Orientation



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

- Engage the Trigger Lock.
- Adjust the Spray Tip Guard for the desired vertical or horizontal spraying direction.



Clear Tip Clogs

In the event that particles or debris clog the Spray Tip, this gun is designed with a reversible Spray Tip that quickly and easily clears the particles without disassembling the sprayer.



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

- Engage Trigger Lock. Rotate Spray Tip to UNCLOG position. Disengage Trigger Lock. Trigger gun at waste area to clear clog.

NOTE: If Spray Tip is difficult to rotate when turning to the unclog position, perform **Pressure Relief Procedure**, page 9, then turn Prime/Spray valve to spray position and repeat step 1.

- Engage Trigger Lock. Rotate Spray Tip back to spray position. Disengage Trigger Lock and continue spraying.

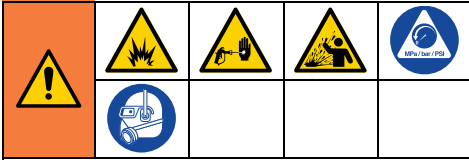
Cleanup

NOTICE

Failure to properly clean PowerShot after each use will result in hardened materials, damage to the PowerShot, and the warranty will no longer be valid. Do not store solvents other than mineral spirits in PowerShot. Always flush with Graco Pump Armor prior to storage.

NOTICE

To avoid damage, never immerse the PowerShot in water or other fluid.



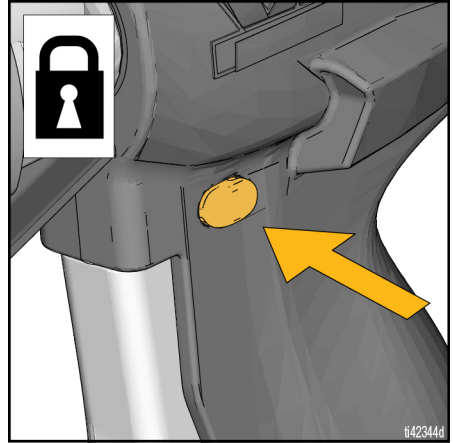
To avoid serious injury from fire and explosion when using oil-based or flammable materials:

- Clean in a well-ventilated area. Keep a good supply of fresh air moving through the area.
- When flushing with solvents, always ground the sprayer and waste container.

NOTE: Disengage WatchDog™ when flushing system.

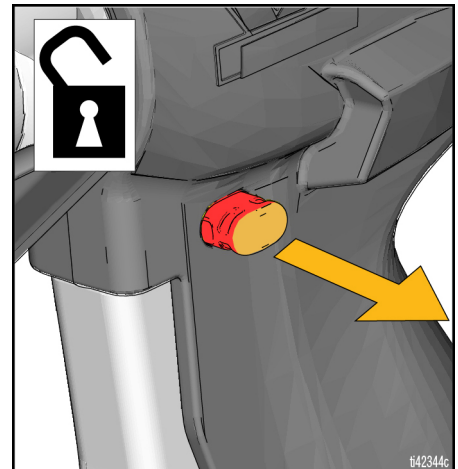
NOTE: Graco FastFlush™ or TurboClean™ will not function properly while using Contractor PowerShot guns. Instead, flush system using sufficient pressure in normal operating range. Use minimum pressure to prevent splashing during flushing

1. Engage Trigger Lock.

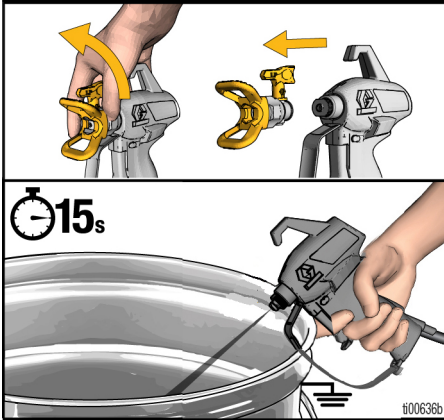


To avoid fire and explosion do not spray solvents through the Spray Tip. Remove Spray Tip and Spray Tip Guard, and clean in a bucket of compatible solvent.

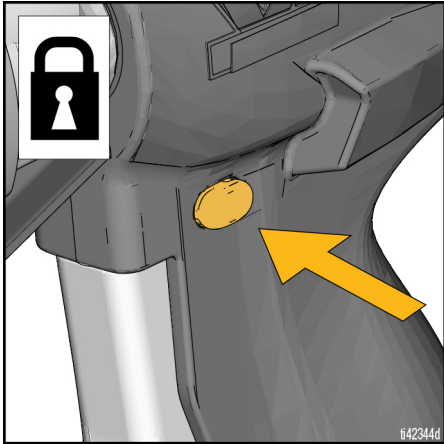
2. Remove Spray Tip and Spray Tip Guard.
3. Disengage Trigger Lock.



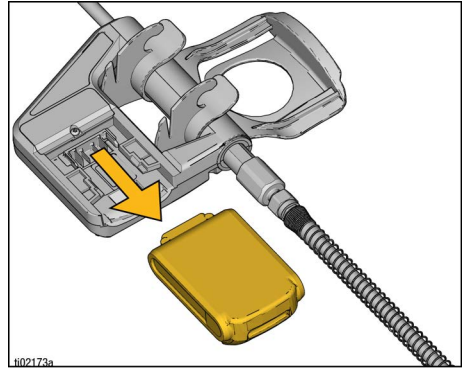
4. Point Spray Gun into a waste pail and trigger for 15 seconds to flush cleaning fluid through the PowerShot.



5. Engage Trigger Lock.



6. Remove Battery. Charge as needed.



7. Clean Spray Tip and Spray Tip Guard in a bucket of compatible solvent. Reinstall Spray Tip and Spray Tip Guard.
8. Turn Spray Tip 90 degrees for storage.
9. Turn sprayer off.

Maintenance

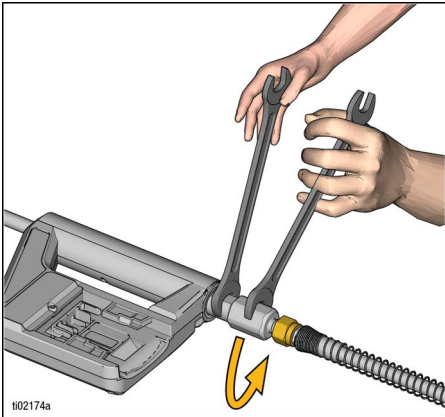


To avoid serious injury from skin injection, do not put your hand in front of the Spray Tip or Spray Tip Guard.

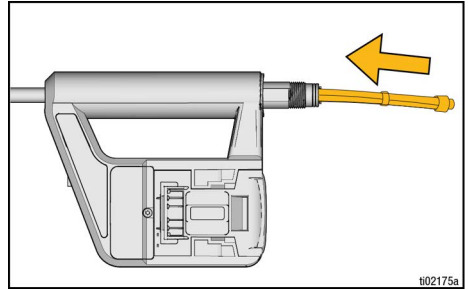
Clean/Replace Filter

A clogged filter reduces gun performance. Clean filter after each use.

1. Perform **Pressure Relief Procedure**, page 9.
2. Engage Trigger Lock.
3. Remove Battery from PowerPak.
4. Use two wrenches to loosen filter housing nut.



5. Remove and clean filter.



6. Replace filter and reinstall filter housing nut in opposite steps as removal.

Repair/Replacement

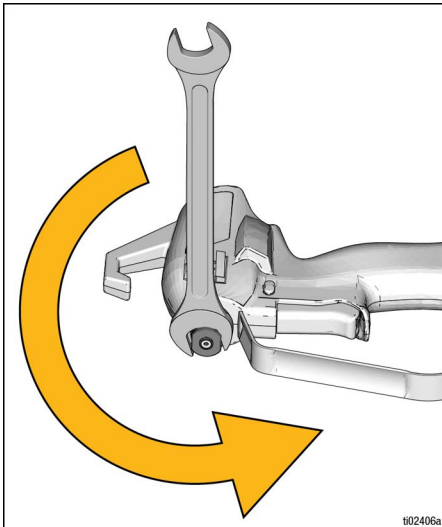


To avoid serious injury from skin injection, follow the **Pressure Relief Procedure** before servicing or replacing the gun.

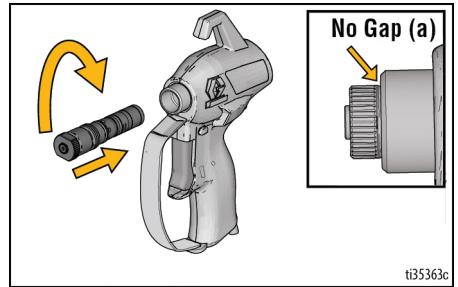
Replacing PowerShot ProConnect Cartridge

Replace PowerShot ProConnect Cartridge if the assembly is leaking or if there is a loss in spray performance that cannot be resolved by flushing the gun.

1. Perform **Pressure Relief Procedure**, page 9.
2. Engage Trigger Lock.
3. Remove Battery from PowerPak.
4. Remove Spray Tip and Spray Tip Guard from gun.
5. Unscrew Cartridge from front of gun using 5/8" wrench.



6. Use a soft brush and appropriate cleaner for material being sprayed to clean out internal passages of gun. Ensure no material remains in gun before inserting Cartridge.
7. Install new Cartridge into the gun and torque to 100 in-lbs (11.3 N·m). There should be no gap in the indicated area below (a).



NOTE: Do not operate the gun if the Cartridge is not installed correctly.

8. Reinstall Spray Tip, Spray Tip Guard, and Battery.

Troubleshooting

Troubleshooting



Check everything in this Troubleshooting Table before you bring the spray gun to an authorized service center.

Problem	Cause	Solution
No material is sprayed when Trigger is pulled.	Spray Tip is not in SPRAY position.	Turn Spray Tip to SPRAY position.
	Spray Tip is clogged	See Clear Tip Clogs , page 17.
	Battery issue.	Install Battery or replace Battery.
	Debris stuck in Spray Gun.	See Advanced Troubleshooting (Debris Stuck in Spray Gun) , page 25.
	Cartridge is not fully bottomed out.	Remove PowerShot ProConnect Cartridge from Spray Gun. Clean gun passage and Cartridge so there is no debris and parts are clean. Reassemble. Bottom out Cartridge and torque to 100 in-lbs (11.3 N·m).
	Electric wires disconnected.	Ensure electronic wire connectors are latched at both ends of the hose inside the Spray Gun and Battery Module. See Advanced Troubleshooting (Gun Not Working Properly) , page 24.
	Cartridge is at end of life.	Replace Cartridge.
	Hose is plugged.	Replace Hose.
	Hose wires are damaged.	Replace Hose. See Advanced Troubleshooting (Gun Not Working Properly) , page 24.
Gun will only spray a quick pulse and not stay open.	Spray Gun has reached end of life.	Replace Spray Gun. See Advanced Troubleshooting (Gun Not Working Properly) , page 24.
	Battery issue.	Install Battery or replace Battery.
Gun will spray at low pressure but not high pressure.	Cartridge is not fully bottomed out.	Remove PowerShot ProConnect Cartridge from Spray Gun. Clean gun passage and Cartridge so there is no debris and parts are clean. Reassemble. Bottom out Cartridge and torque to 100 in-lbs (11.3 N·m).
	PowerShot ProConnect Cartridge is at end of life.	Replace Cartridge.

Problem	Cause	Solution
Poor spray results	Spray Tip is partially clogged.	See Clear Tip Clogs , page 17
	Spray Tip is not in correct position.	Rotate Spray Tip to SPRAY position.
	Spray Tip is worn or damaged.	Replace Spray Tip.
	Cartridge is not fully bottomed out.	Bottom out Cartridge and torque to 100 in-lbs (11.3 N-m).
	Depleted battery.	Recharge or replace battery.
	Material being sprayed is aerated because it was shaken.	Do NOT shake material. Stir the material or check the manufacturer's recommendation for the material being sprayed.
	Material being sprayed is too cold to spray.	Warm material.
	Material being sprayed is incompatible with sprayer.	Fully clean system, see Cleanup , page 18. Try thinning the material per manufacturer's recommendation, or switch to a different material.
	Gasket on front of Spray Gun is damaged or lost.	Replace gasket. See Parts List , page 29.
	Debris stuck in Spray Gun.	See Advanced Troubleshooting (Debris Stuck in Spray Gun) , page 25.
	Poor/slow shutoff (debris stuck in spray gun).	See Advanced Troubleshooting (Debris Stuck in Spray Gun) , page 25.
	Hose wires are damaged.	Replace Hose. See Advanced Troubleshooting (Gun Not Working Properly) , page 24.
	Cartridge is at end of life.	Replace Cartridge.
	Spray Gun has reached end of life.	Replace Spray Gun. See Advanced Troubleshooting (Gun Not Working Properly) , page 24.
Material leaks around Spray Tip Guard or Spray Tip handle	Tip Guard not tight enough.	Tighten Tip Guard with wrench.
	Spray Tip seal and seat are damaged or not properly installed.	See Spray Tip Installation , page 10.

Troubleshooting

Advanced Troubleshooting (Gun Not Working Properly)

Tools needed:

- Electric Multimeter
- Torx T15 Driver
- Torx T8 Driver

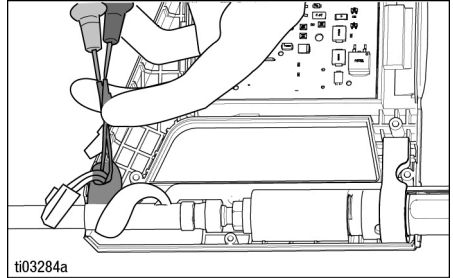
Work through checks in this order. Stop when you find the problem.

1. Troubleshoot Battery (20) by checking the Battery level. Replace/recharge Battery as needed.
2. Troubleshoot cartridge. The most likely issue is the PowerShot ProConnect cartridge (1). If you have a replacement PowerShot ProConnect cartridge, try this first:
 - a. Ensure the existing cartridge is fully installed (bottomed out) in gun.
 - b. If that does not work, then replace cartridge with a new cartridge or a known good cartridge.
 - c. Test gun.

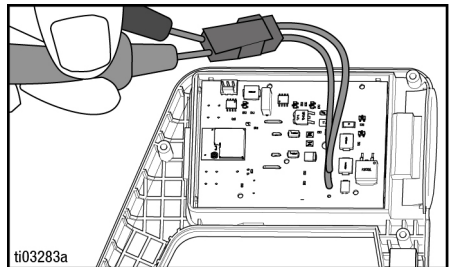
3. Troubleshoot reed switch.

- a. Disassemble the PowerPak by removing screws with a T15 Torx bit.
- b. Disconnect reed switch connector (white board wires connected to black hose wires).
- c. Set multimeter to measure resistance (Ohms).

- d. Connect multimeter to black hose wire connector so probes contact metal contacts.

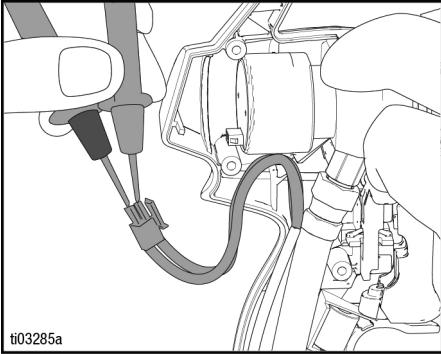


- e. Trigger gun. Resistance should change from fully open to less than ten ohms.
 - f. Replace hose assembly (8) if reed switch is faulty.
- ### 4. Troubleshoot PowerPak.
- a. Reconnect reed switch wires.
 - b. Disconnect solenoid wires (black board wires connected to red hose wires).
 - c. Set multimeter to measure DC voltage.
 - d. Connect multimeter to control board black wire connector so probes contact metal contacts.



- e. Connect Battery to PowerPak.
- f. Trigger gun. Voltage should display battery voltage (16-20V).
- g. Replace PowerPak assembly (14, 15, 16, 17) if faulty.

5. Troubleshoot wire harness/hose.
 - a. Reassemble PowerPak and reconnect all wires.
 - b. Disassemble gun with T15 and T8 Torx bits.
 - c. Disconnect red wires from gun head.
 - d. Set multimeter to measure DC voltage.
 - e. Connect multimeter to red wire connector so probes contact metal contacts.



- f. Pull trigger.
 - g. Voltage should be the same as step 4.
 - h. Replace hose assembly (8) if faulty.
6. Reconnect all wires of the PowerShot assembly. Replace PowerShot Pro-Connect cartridge (8) if this step was skipped in step 2.
7. If cartridge replacement does not fix gun, then replace the gun (12).

Advanced Troubleshooting (Debris Stuck in Spray Gun)

High Flow Rapid Flush

1. Perform **Cleanup**, page 18.
2. Recommend moving to well-ventilated area or outdoors.
3. Prime sprayer with warm/hot water.
4. Engage Trigger Lock.
5. Remove Spray Tip from Spray Tip Guard.
6. Install Battery in PowerPak.
7. Point Spray Gun into waste pail, disengage Trigger Lock.
8. Slowly increase pressure on sprayer while rapidly triggering spray gun.


NOTE: Do not exceed 2000 psi or water may splash outside of sink/waste pail.

9. Trigger Spray Gun rapidly approximately 10-15 times. Repeat if issue persists.
10. Engage Trigger Lock.
11. Replace Spray Tip in the Spray Tip Guard.

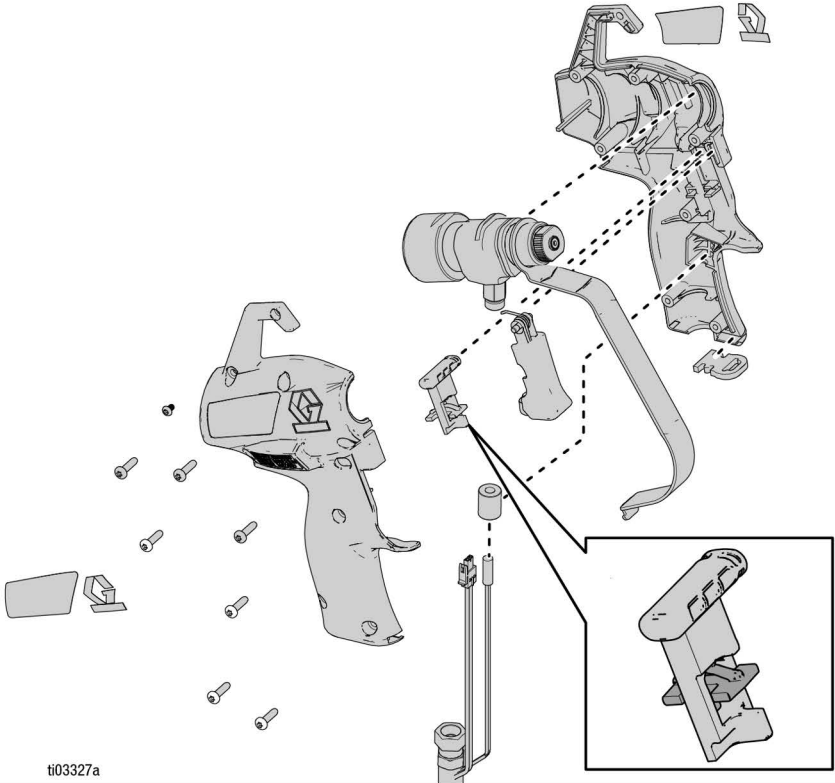
Recycling and Disposal

End of Product Life

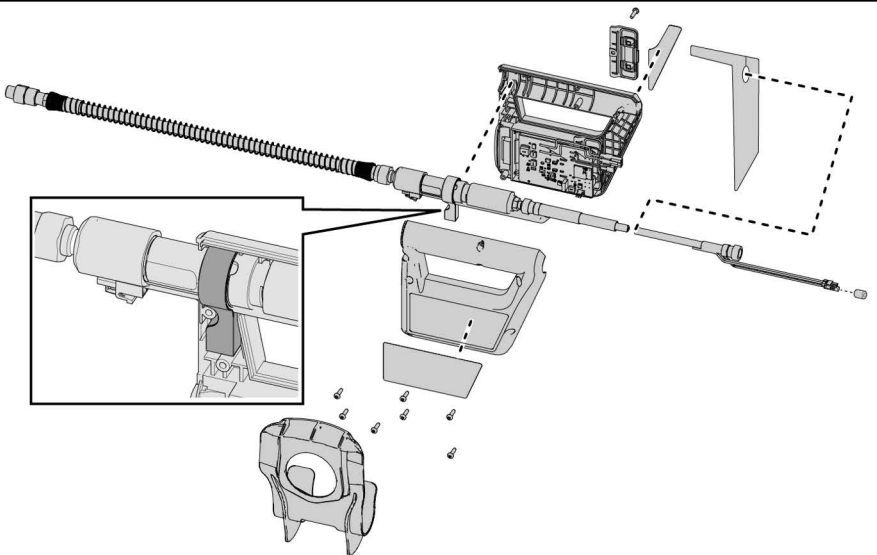
At the end of the product's useful life, dismantle and recycle it in a responsible manner.

- Perform **Pressure Relief Procedure**, page 9.
- 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.

Exploded Parts View



ti03327a



Parts List

Ref.	Order Part No.	Description
1	2005788	CARTRIDGE, replacement, PowerShot ProConnect
2	20B432	KIT, Smart Display XT (not shown)
3	2006715	HOLSTER, replacement, contractor, PowerShot
4	18H126	KIT, solvent, gasket, w/ removal tool (5-pack)
5	2006609	HOSE, replacement, material, 16.5", whip
6	18F891	BELT
7	189018	SWIVEL, assembly
8	2006608	HOSE, replacement, gun, 6ft, whip
9†		TIP, spray
10	246215	GUARD, RAC X
11	17P501	OneSeal™, RAC X, LP (5-pack)
	17P502	OneSeal™, Solvent, RAC X, LP (5-pack)
	246253	OneSeal™, RAC X (5-pack)
	248936	OneSeal™, Solvent, RAC X (5-pack)
12	2006997	GUN, bare, replacement, PowerShot
13	2007050	GUN, plastics, replacement, PowerShot
14	2007005	MODULE, replacement, PowerShot, STD
15	2007006	MODULE, replacement, PowerShot, XT, NA
16	2007007	MODULE, replacement, PowerShot, XT, EMEA/AP
17	2007008	MODULE, replacement, PowerShot, XT, Korean
18	2006999	KIT, label, PowerShot, STD (not shown)
19	2007000	KIT, label, PowerShot, XT (not shown)
20*		Li-ion Compact Battery Pack DeWALT
	17P474	20V 2.0 Ah - North America
	17P557	18V 2.0 Ah - Europe/AP
	17P556	18V 2.0 Ah - Japan
	17P558	18V 2.0 Ah - ANZ
	17Y586	20V 2.0 Ah - Korea
21	120776	PACKING, o-ring
22		FILTER, gun, Contractor PC
	287032	60 mesh (included with gun)
	287033	100 mesh
	257130	200 mesh
	287034	60 and 100 mesh combo
*		Li-ion Battery Charger DeWALT (not shown)
	17P475	120V - North America
	17P560	230V - Europe/AP
	17P559	100V - Japan
	17P561	230V - ANZ
	17Y587	230V - Korea
▲	2006306	LABEL, safety, warning (not shown)
	2006307	LABEL, safety, warning, EMEA (not shown)
	2006308	LABEL, safety, warning, AP (not shown)
	2006783	LABEL, safety, warning (not shown)
† For a list of all available tip sizes, talk to your local distributor or visit www.graco.com .		
* Battery and charger are dependent upon in country requirements.		
▲ Replacement safety labels, tags, and cards are available at no cost.		

Compliance

Radio Frequency Approvals

The enclosed device complies with Part 15 of the FCC Rules and with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:(1) this device may not cause harmful interference and (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment is not granted protection against harmful interference and cannot cause interference on systems properly authorized.

Contains approved Multi-Protocol Module:

Contains FCC ID: 2ADHKWBZ451

Contains IC: 20266-WBZ451

		 020-220180	India WPC ETA-SD-20240403859
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Technical Specifications

Contractor PowerShot Spray Gun		
	U.S.	Metric
Max Working Pressure	3300 psi	22.8 MPa, 228 bar
Storage Temperature Range ♦♦	32° to 113° F	0° to 45° C
Operating Temperature Range ✓	40° to 108° F	4° to 42° C
Storage Humidity Range	0% to 95% relative humidity, non-condensing	
Inlet Size	1/4 NPSM	
Charger Power Source	100 - 120 Vac, 50 Hz, 15A, 1 Ø	
	230 Vac, 50 Hz, 16A, 1 Ø	
Battery Voltage (DC)	20 V MAX* 2.0 Ah Li-ion Compact Battery Pack DEWALT	
Weight (with Tip and Guard)		
Gun only	1.1 lbs	0.5 kg
with PowerPak	3.1 lbs	1.4 kg
with PowerPak and Battery	3.9 lbs	1.8 kg
Noise Level*		
Sound Power	92 dBa	
Sound Pressure	81 dBa	
Materials of Construction		
Wetted materials	stainless steel, aluminum, tungsten carbide, solvent resistant etastomer, PTFE, nylon, zinc and nickel plated carbon steel	


*Measured at 3.1 ft (1m) while spraying water-based paint, specific gravity 1.36, through a 517 tip at 3000 psi (207 bar, 20.7 MPa) per ISO 3744.

*Maximum initial battery voltage (measured without a workload) is 20 volts. Nominal voltage is 18.

- ♦ 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 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.

THIS WARRANTY IS EXCLUSIVE, AND IS IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO WARRANTY OF MERCHANTABILITY OR WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE.

Graco's sole obligation and buyer's sole remedy for any breach of warranty shall be as set forth above. The buyer agrees that no other remedy (including, but not limited to, incidental or consequential damages for lost profits, lost sales, injury to person or property, or any other incidental or consequential loss) shall be available. Any action for breach of warranty must be brought within two (2) years of the date of sale.

GRACO MAKES NO WARRANTY, AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, IN CONNECTION WITH ACCESSORIES, EQUIPMENT, MATERIALS OR COMPONENTS SOLD BUT NOT MANUFACTURED BY GRACO. These items sold, but not manufactured by Graco (such as electric motors, switches, hose, etc.), are subject to the warranty, if any, of their manufacturer. Graco will provide purchaser with reasonable assistance in making any claim for breach of these warranties.

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.

FOR GRACO CANADA CUSTOMERS

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Graco Information

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

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

TO PLACE AN ORDER, contact your Graco distributor or call 1-800-690-2894 to identify the nearest distributor.

All written and visual data contained in this document reflects the latest product information available at the time of publication.

Graco reserves the right to make changes at any time without notice.

Original instructions. This manual contains English. MM 3B0149

Graco Headquarters: Minneapolis
International Offices: Belgium, China, Japan, Korea

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Revision E, November 2024