



Wagner Product Training

Safety Considerations and Recommendations

As with any power tool, you need to exercise a level of care to ensure user safety.

Wagner products used correctly are very safe, and meet all of the necessary safety requirements.

There has not been a reported case of skin injection injury in over 10 years, but safety should always be high priority

Safety Considerations and Recommendations – cont.

1. Before using the equipment, read and observe the safety instructions detailed in the Users Manual.
2. Make sure the electrical lead is in good working condition.
3. Spray materials emerge from the nozzle tip under high pressure. Never point the spray stream towards human beings or animals. In the event of injury to the skin by paint or solvents, quick expert treatment by a physician is essential. The physician should be informed of the type of paint or solvent involved.
4. To avoid the hazard of explosion when spraying, provide for effective natural or artificial ventilation.

Skin Injection



Pressure-related Injuries



Electric Shock



Safety Considerations and Recommendations – cont.

5. No sources of ignition are to be in the immediate area when spraying eg. open flame, cigarettes, sparks, glowing wires and hot surfaces.
6. The spray gun is not a toy. Keep out of reach of children.
7. Before carrying out any type of work on the spray gun, unplug the lead from the power socket.
8. Do not use spray guns to spray flammable liquids.
9. Do not spray any liquid of unknown hazard potential.
10. Wear a breathing mask or ear protection as required.

Toxicity



Fire and Explosion



Paint Crew

Paints & Materials

Water diluted materials such as interior wall emulsion paints, interior wall latex paints, acrylic paints, acrylic varnishes, wood preservatives, stains, primers, undercoats and cavity sealers.



PAINT CREW

Ideal for medium to larger paint jobs around the house, yard, garden and factory

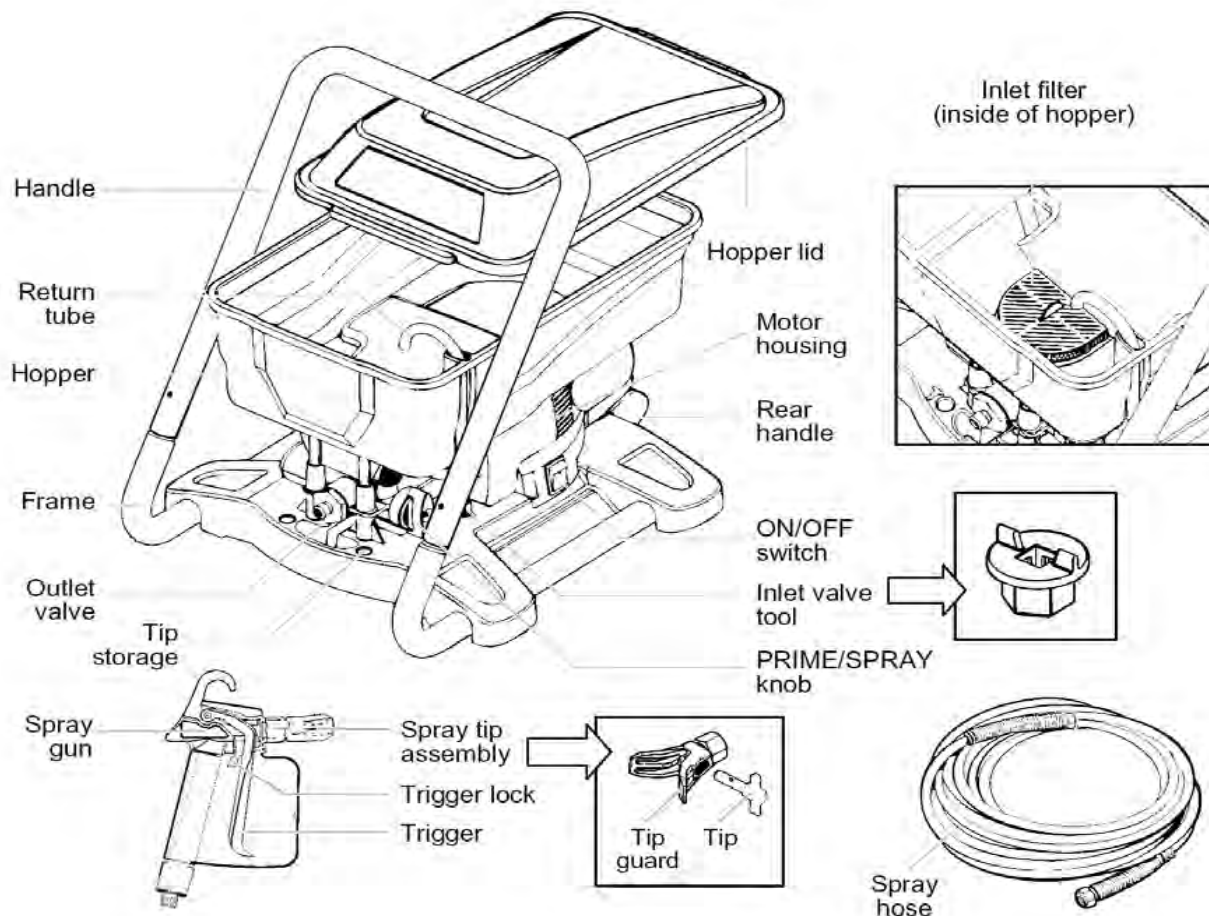
**PC is not suitable for commercial use. It's designed for large DIY-Projects
See Wagner Contractor range for commercial applications**

Paint Crew Airless Sprayer



Components of Paint Crew

The Paint Crew is a breakthrough in Airless Piston Pump Technology designed for the Home Owner. The drawing below shows the set of typical components.



How it works

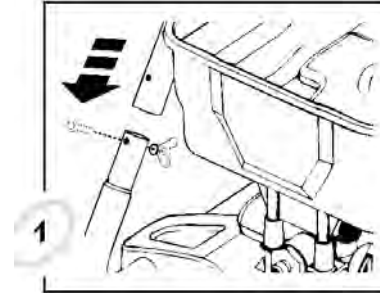
- The Paint Crew utilises an airless piston pump in the base of the unit to pressurise the paint to 2750 PSI. The paint is then forced through a hose to a small orifice (tip) in the spray gun to atomise it.
- **Motor**
The motor is controlled by an internal pressure switch and will run only when required to maintain pressure. It is normal for the motor to cycle on and off while spraying.
- **Hopper**
holds the material to be sprayed. The paint Crew Features a 7.5 litres capacity.
- **Prime Spray Knob**
Directs the paint through the return tube for priming and for releasing pressure to the gun for spraying

How it works – cont.

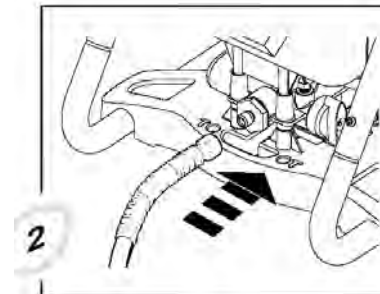
- **Return Tube**
Directs paint back into the hopper while priming the sprayer
- **Spray Gun**
Constructed of rugged metal for durability, the spray gun controls the paint flow and contains a paint filter
- **High Pressure Hose**
7.5 m length to carry the paint to the spray gun.
- **Tip**
Reversible design to clear clogs without additional tools. Small orifice with which paint is forced through to atomise it.

Assembly

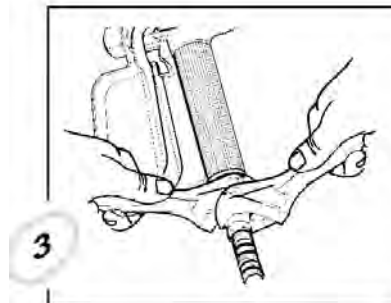
1. Attach the handle with the 2 screws and wing nuts provided.



2. Attach the high pressure hose to the outlet.

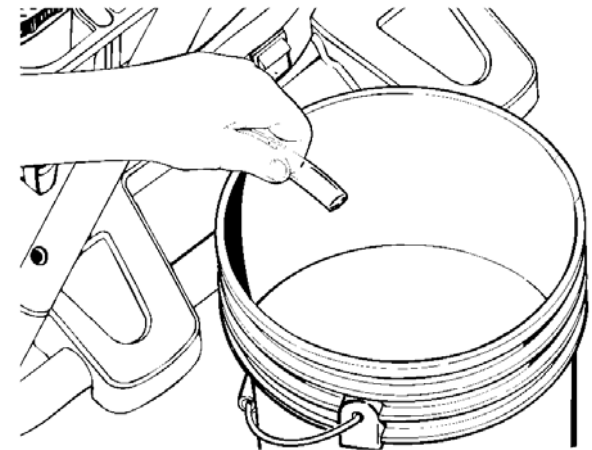
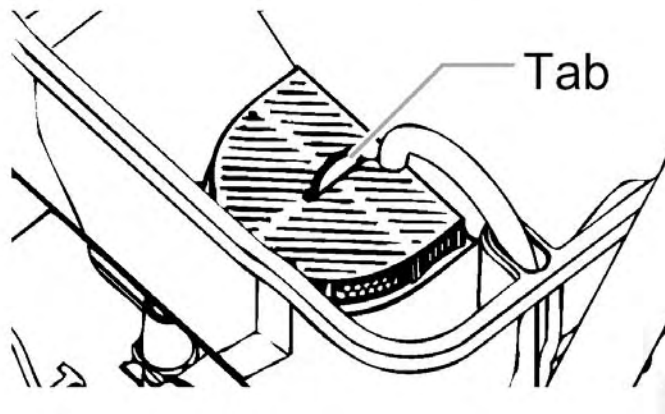


3. Attach the high pressure hose to the spray gun.



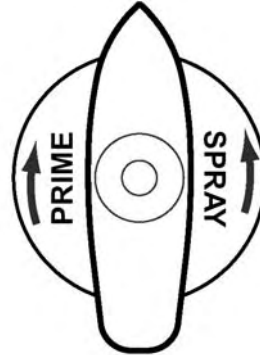
Purging and Priming the pump

1. Make sure the inlet filter is secure in the hopper. If not, snap into place.
2. Press down on the filter. This will force the inlet valve open in case excess material has the valve stuck.
3. Pull the return hose from the hopper and direct to a waste container.



Purging and Priming the pump – cont.

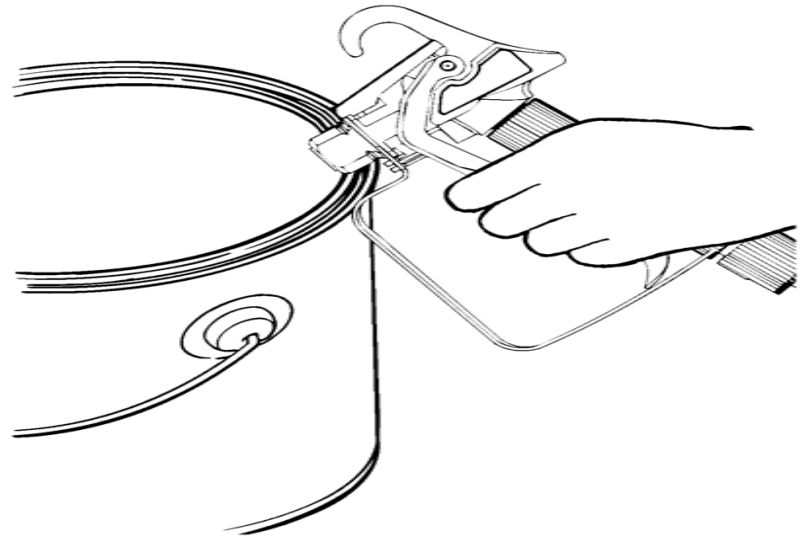
4. Turn the prime/spray valve to prime.



5. Plug the unit in and turn it on.
6. Any fluid remaining in the sprayer will flow out of the return tube. Continue until no fluid comes out and turn the unit off.
7. Fill the hopper with the material to be sprayed and in the prime position, run the sprayer until a steady stream circulates through the pump and return to back into the hopper.

Purging and Priming the spray hose and gun

1. Remove the spray tip and tip guard from the spray gun.
2. Unlock the trigger lock and with the trigger pulled, hold the spray gun over a waste container.
3. In the prime position, turn the unit on.
4. Turn the Prime/Spray Knob to Spray and let run until the material being sprayed flows out of the gun.



Practice spraying

1. Make sure the spray hose is free of kinks and sharp obstructions.
2. Turn the sprayer on and the Prime/Spray Knob to Spray.
3. When the motor shuts off, unlock the gun and pull the trigger to spray on a piece of scrap material to practice.

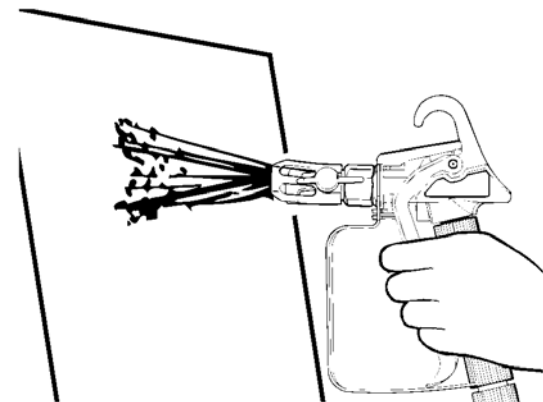


Good spray pattern



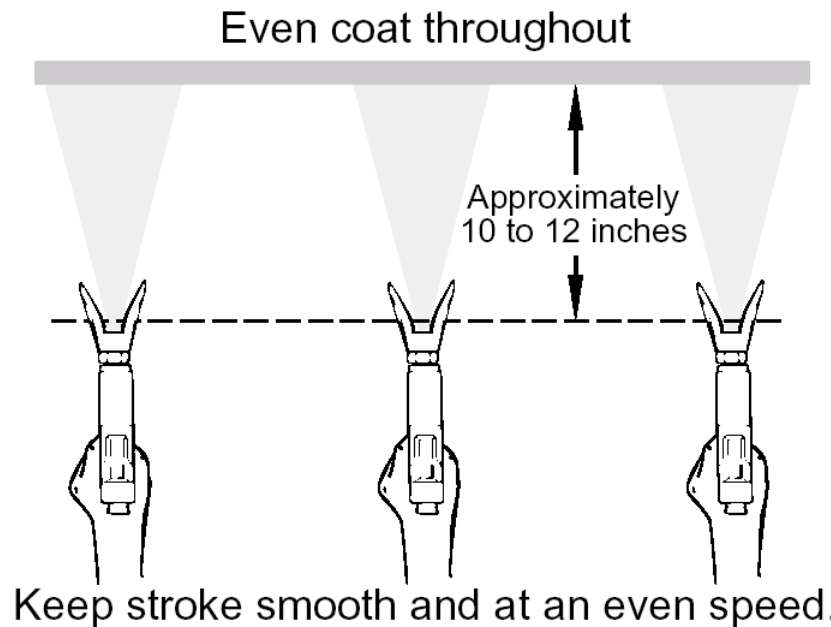
Bad spray pattern (tailing)

If your pattern is tailing, the tip may have an obstruction, the gun filter may be plugged, or the tip may be worn.



How to Spray - Distance

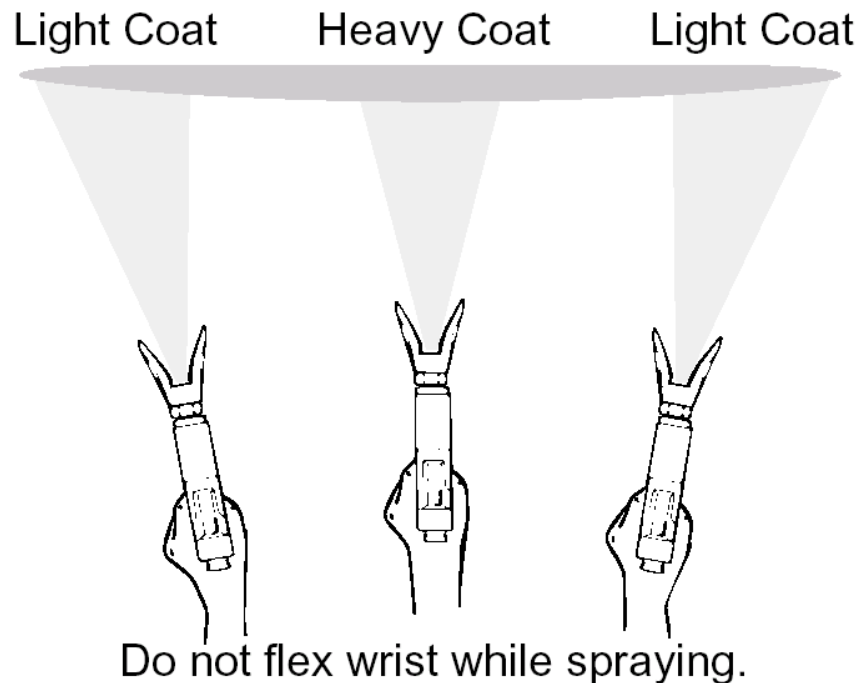
Once you have achieved a good spray pattern on your test piece of wood or cardboard, it is time to begin spraying your work. The key to a good job is an even coating over the entire surface. This is done by using even strokes. Keep your arm moving at a constant speed and keep the sprayer at a constant distance from the surface. The best spraying distance is 25 to 30 cm between the spray tip and the surface



How to spray – Technique

Keep the sprayer at right angles to the surface. This means moving your entire arm back and forth rather than just flexing your wrist.

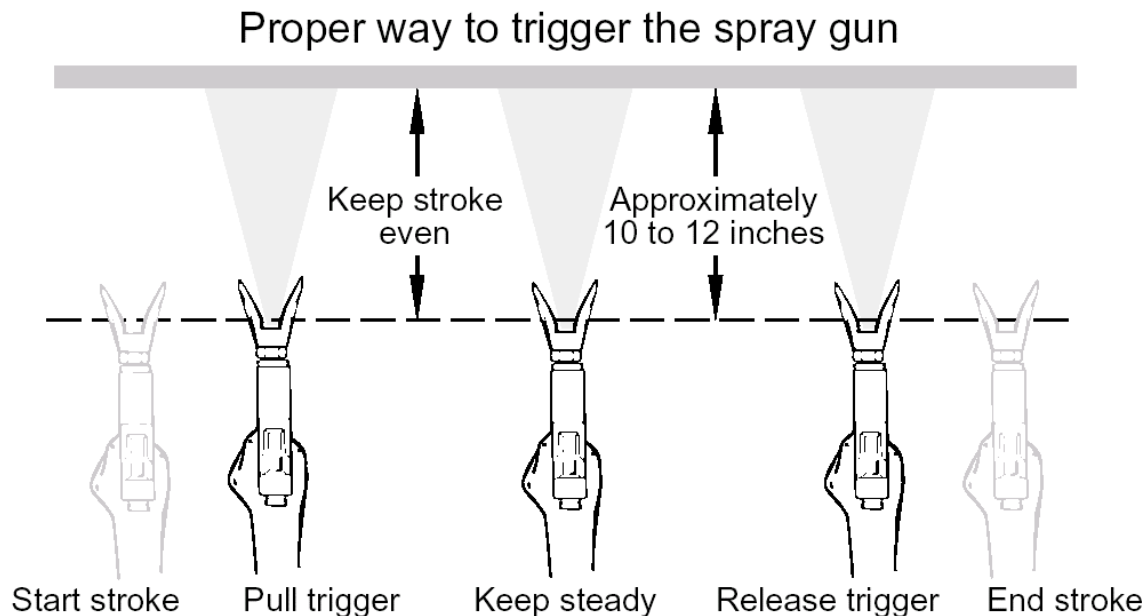
Keep the sprayer perpendicular to the surface, otherwise one end of the pattern will be thicker than the other.



How to spray – Technique cont.

The sprayer should be triggered by turning it on and off with each stroke. This will save paint and avoid paint buildup at the end of the stroke. Do not trigger the sprayer continuously or during the middle of a stroke. This will result in an uneven spray and splotchy coverage.

Overlap each stroke by about 50%. This will ensure an even coating.



Clean up

Dried paints and stains act like glue and cause moving pieces to stick. Taking the time to properly clean and maintain your sprayer helps it last longer and work right every time

Short-term clean up (Water based paints only)

If you are leaving a project for a few hours or overnight:

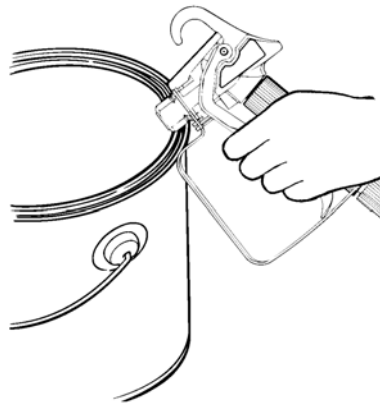
1. Unplug the sprayer and turn the Prime/Spray Knob to Prime to relieve the pressure in the system.
2. Trigger the gun to verify that all pressure has been relieved.
3. Slowly pour a half cup of water on top of the paint to prevent it from drying.
4. Replace the lid.
5. Wrap the gun with a damp rag or towel and place in a bag with the top tied off around the hose.
6. Keep out of the sun.



Clean up – cont.

Long-term cleanup (Purging the Paint)

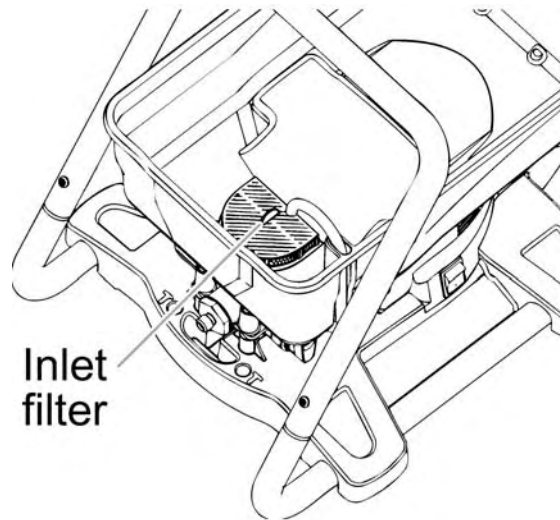
1. Turn the Prime/Spray knob to Prime to relieve the pressure.
2. Trigger the gun to verify that the pressure has been relieved.
3. Lock the spray gun trigger.
4. Pour the paint out of the hopper back into it's original container.
5. Pour the appropriate cleaning solution into the hopper
6. Remove the tip and guard assembly.
7. Turn the sprayer on and the prime/spray knob to spray.
8. Trigger the gun into the original paint container
9. Continue to let the unit run until the cleaning solution is visible from the gun.
10. Turn the Prime/Spray knob back to Prime to relieve the pressure.



Clean up – cont.

Long-term cleanup (Rinsing the Hopper and Pump)

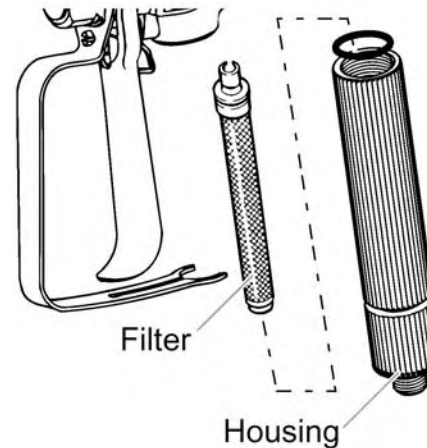
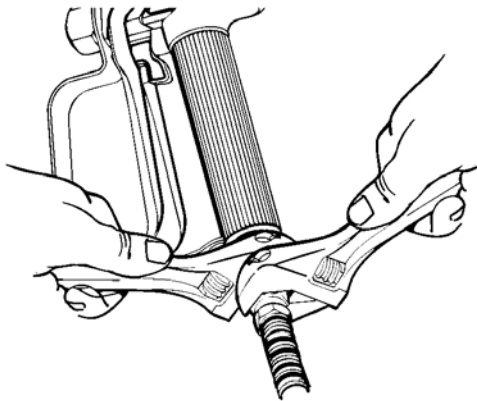
1. Rinse the hopper with the proper cleaning solution and empty.
2. Remove the inlet filter, clean, and replace.
3. Fill the hopper with cleaning solution.
4. Turn the Prime/Spray Knob to Prime and turn the sprayer on.
5. Let the pump circulate the cleaning solution for 2-3 minutes.
6. Turn the sprayer off, unplug, and empty the hopper.



Clean up – cont.

Long-term cleanup (Spray Gun)

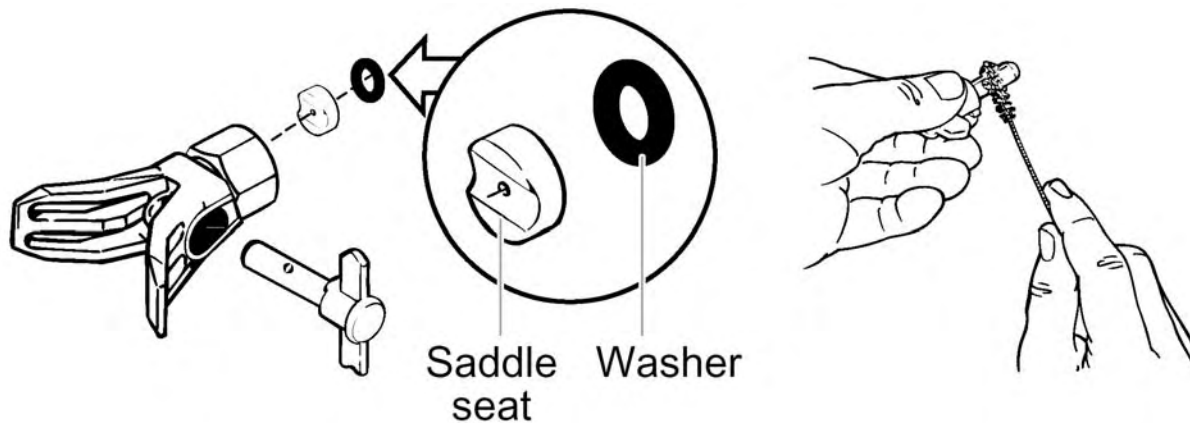
1. Trigger the gun to verify that the pressure has been relieved.
2. Remove the gun from the hose.
3. Remove the filter from the handle.
4. Remove the tip and tip guard assembly.



Clean up – cont.

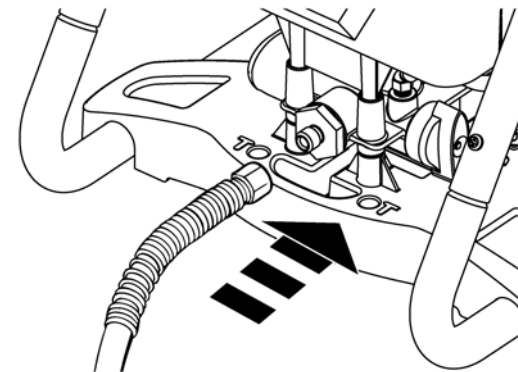
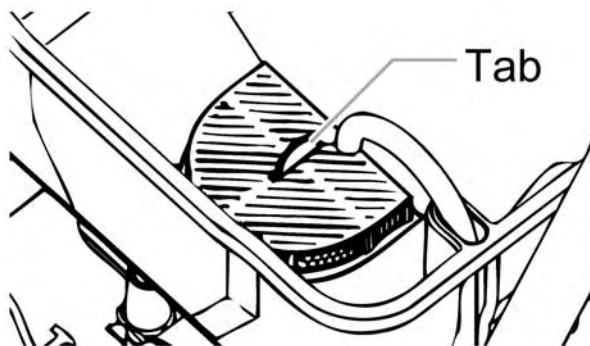
Long-term clean up (Spray Gun)

5. Clean debris off of the filter, tip, and tip guard components with the appropriate solution.
6. Place a few drops of oil in the gun to lubricate it.
7. Assemble the gun.
8. Attach the gun to the hose.



Clean up – cont.

1. Complete all long term cleaning steps.
2. Remove the inlet filter in the hopper.
3. Pour 60 ml of household oil in the inlet.
4. Remove the hose from the outlet fitting.
5. Place a rag over the outlet.
6. Turn the sprayer on and operate in both the Prime and the Spray position.
7. Let run for a few seconds.
8. Turn the sprayer off.
9. Wipe down the whole sprayer with a damp cloth.
10. Attach the hose to the outlet.



Troubleshooting

Problem	Cause	Solution
The sprayer does not start	The sprayer is not plugged in The ON/OFF switch is set to OFF The sprayer shuts off while still under pressure No voltage is coming from the wall plug The extension cord is damaged or has too low capacity There is a problem with the motor	Plug the sprayer in Turn On/Off switch to On Motor will cycle On and Off while spraying as it needs pressure. This is normal Properly test the power supply voltage Replace the extension cord Take sprayer to Wagner authorized service center
The sprayer starts but does not draw in paint when the PRIME/SPRAY knob is set to PRIME	The unit will not prime properly or has lost prime The hopper is empty The unit is not on level ground The inlet filter is clogged The inlet or outlet valve is stuck The inlet valve is worn or damaged The PRIME/SPRAY valve is plugged	Try to prime the unit again Refill the hopper Relocate unit to level ground Clean the inlet filter Clean the inlet and outlet valves and replace any worn parts. Inlet may be stuck from old paint. Push inlet filter tab to release Replace the inlet valve Take sprayer to Wagner authorized service center
The sprayer draws up paint but the pressure drops when the gun is triggered	The spray tip is worn The inlet filter is dogged The gun or spray tip filter is plugged The paint is too heavy to coarse The outlet valve assembly is dirty or worn The inlet valve assembly is dirty or worn	Replace the spray tip with a new tip Clean the inlet filter Clean or replace the proper filter. Always keep extra filters on hand Thin or strain the paint Clean or replace the outlet valve assembly Replace the inlet valve

Troubleshooting – cont.

Problem	Cause	Solution
The PRIME/SPRAY valve is on SPRAY and there is flow through the return tube	The PRIME/SPRAY valve is dirty or worn	Take sprayer to Wagner authorized service center
The sprayer gun leaks	Internal parts of the gun are worn or dirty	Take sprayer to Wagner authorized service center
The tip assembly leaks	The tip was assembled incorrectly A seal is worn	Check the tip assembly and assemble properly Replace the seal
The spray gun will not spray	The spray tip or the gun filter is plugged The spray tip is in the CLEAN position PRIME/SPRAY knob not set on SPRAY	Clean the spray tip or gun filter. Put the tip in spray position Turn the PRIME/SPRAY knob to SPRAY
The paint pattern is tailing	The gun, the tip or the inlet filter is plugged The tip is worn The paint is too thick Pressure loss	Clean the filters and strain the paint Replace the spray tip Thin the paint Refer to the solutions of “The sprayer draws up paint but the pressure drops when the gun is triggered”

Application



Paint Crew Roller Arm

The Paint Crew Roller Arm allows the Paint Crew user to choose between power spraying and power rolling.



Attach the roller arm directly to PaintCrew Spray Gun. Control the paint flow by gun trigger.