

TROUBLESHOOTING



CAUTION
 Always make sure machine is unplugged before lifting electrical cover assembly

AREA	PROBLEM	POSSIBLE CAUSE	REMEDY
Electrical	No power to pump or vac motor.	<ol style="list-style-type: none"> 1. Machine not plugged in. 2. Switch not "on." 3. GFCI tripped. 4. Building circuit overloaded. 5. Switch wires loose. 6. Terminal block connections loose. 	<ol style="list-style-type: none"> 1. Plug machine in. 2. Check switches for "on." 3. Test and reset GFCI. 4. Check and reset circuit. 5. Disconnect power and check for loose wire. 6. Disconnect power and check for loose wire.
	Electrical burning smell.	<ol style="list-style-type: none"> 1. Vac motor brushes worn. 2. Vac motor hung up. 3. Pump motor hung up. 	<ol style="list-style-type: none"> 1. Replace vac motor brushes. 2. Remove vac motor and repair. 3. Release pressure on hose and jog pump switch, or replace
Vacuum System	No / Weak vacuum.	<ol style="list-style-type: none"> 1. Vac tank full. 2. Squeegee blades or wheels worn. 3. Float shutoff screen dirty. 4. Float ball stuck. 5. Damaged hose. 6. Dump hose plug missing. 7. Access lid not tight. 8. Vacuum hose plugged. 9. Too much liquid in vac hose. 10. Vac hose still wrapped. 11. Muffler plugged. 12. Leak in vac tank. 	<ol style="list-style-type: none"> 1. Empty vac tank. 2. Replace wheels or blades and check periodically. 3. Wipe off float screen to clean. 4. Tap float and release / clean. 5. Cut and repair / replace. 6. Contact dealer and replace. 7. Tighten lid hand tight. 8. Flush hose to remove debris. 9. Allow air in when vacuuming. 10. Unwrap vac hose fully. 11. Remove padding and clean. 12. If repairable, clean and dry affected area and seal with silicone.
	Moisture from exhaust.	<ol style="list-style-type: none"> 1. Vac tank full. 2. Float shutoff missing. 3. Excessive foam in vac tank. 	<ol style="list-style-type: none"> 1. Dump vac tank. 2. Replace. 3. Use defoamer.
Blow Dry System	No air flow.	<ol style="list-style-type: none"> 1. Hose disconnected. 	<ol style="list-style-type: none"> 1. Reconnect hose.
	Moisture from nozzle.	<ol style="list-style-type: none"> 1. Water in blow hose. 	<ol style="list-style-type: none"> 1. Dry blow line.
	Suction not blow action.	<ol style="list-style-type: none"> 1. Vacuum hose connected to vac tank. 	<ol style="list-style-type: none"> 1. Reconnect to vac motor exhaust hose.

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High Pressure System	No water from pump of low pressure.	<ol style="list-style-type: none"> 1. Out of water. 2. Gun nozzle plugged. 3. Air in pump (vapor lock). 4. Gun orifice missing. 5. Tank filter plugged. 6. In-line bowl filter plugged. 7. Bowl filter lid loose. 8. Pressure hose damaged. 9. Quick disconnect leaking. 10. Injector plugged. 11. Pulse hose damaged. 12. Regulator failed. 13. Hose kinked. 14. Seals in pump need replaced. 	<ol style="list-style-type: none"> 1. Fill water tank. 2. Remove orifice with allen wrench and clean. 3. Use power prime technique. 4. Replace orifice. 5. Clean tank and filter. 6. Remove filter cover and clean. 7. Gently tighten bowl cover. 8. Repair or replace. 9. Tighten or replace. 10. Remove safety cap from chemical and blow small amounts of compressed air into line. 11. Repair or replace. 12. Replace. 13. Unkink and check for damage 14. Remove and replace seals.
	Bad fan pattern or pinpoint pattern on gun.	<ol style="list-style-type: none"> 1. Debris in nozzle. 2. Orifice damaged. 	<ol style="list-style-type: none"> 1. Remove orifice with allen wrench and clean. 2. Remove and replace.
Chemical Injection System	No chemical flow.	<ol style="list-style-type: none"> 1. Out of chemical. 2. Safety cap not secure. 3. Chemical valve "off." 4. Safety cap plugged. 5. Spray gun in wrong mode. 6. Metering tip plugged. 7. Injector plugged. 8. Air entering system. 9. Injector installed backwards. 	<ol style="list-style-type: none"> 1. Refill chemical. 2. Check safety cap / tighten. 3. Check on / off valve. 4. Replace cap. 5. Make sure gun nozzle is pulled out away from gun chemical mode. 6. Check metering tip for clog 7. Remove safety cap from chemical and blow small amounts of compressed air into line. 8. Check for air entering system around chemical lines or injector. 9. If fluttering or pulsing sound can be heard while spraying or when machine is running it is possible that your injector is in backwards. Remove and reinstall.

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Chemical Injection System Cont.	Not enough chemical flow.	<ol style="list-style-type: none"> 1. Metering tip plugged. 2. Wrong metering tip. 	<ol style="list-style-type: none"> 1. Remove and clean. 2. Check and replace per chart.
	Chemical line blows off safety cap	<ol style="list-style-type: none"> 1. Debris in injector. 	<ol style="list-style-type: none"> 1. Remove safety cap from chemical and blow small amounts of compressed air into line. 2. Check injector o-ring or replace. 3. Replace safety cap.
	Water backflows into chemical bottle.	<ol style="list-style-type: none"> 2. Bad seat on injector check valve. 3. Bad safety cap. 	
Dump System	Dump hose will not empty tank.	<ol style="list-style-type: none"> 1. Dump hose plug not removed. 2. Clog in bottom of tank. 	<ol style="list-style-type: none"> 1. Remove plug. 2. Tip dump contents, remove debris.
	Dump hose leaks.	<ol style="list-style-type: none"> 1. Hose cut. 2. Clamp loose. 3. Dump plug bushing missing. 4. Plug missing. 	<ol style="list-style-type: none"> 1. If leak is less than 4" from tank side, cut and reattach, or replace. 2. Tighten hose clamp. 3. Replace bushing. 4. Replace plug.
Wheels and Casters	Wheels won't roll, or they rub.	<ol style="list-style-type: none"> 1. Flat tires. 2. Debris wrapped around axle. 3. Bearings tight. 4. Wheels too loose on axle. 5. Bearings falling out. 	<ol style="list-style-type: none"> 1. Inflate tires to 30 psi. 2. Check for debris on axle. 3. Grease bearings. 4. Remove wheel, add washers to take up slack. 5. Refer to remedy 4.
Squeegee Head	Floor streaks.	<ol style="list-style-type: none"> 1. Worn blades or wheels. 	<ol style="list-style-type: none"> 1. Replace wheels and / or blades.
	Squeegee head doesn't easily rotate when installed on wand.	<ol style="list-style-type: none"> 1. Brass ring on wand not in groove. 2. Coupling nut too tight. 	<ol style="list-style-type: none"> 1. Loosen coupling nut and reposition head on groove. 2. Loosen 1/2 turn.
	Head won't stay on wand.	<ol style="list-style-type: none"> 1. Coupling nut cracked. 2. Brass ring worn. 	<ol style="list-style-type: none"> 1. Replace. 2. Replace.
	Premature blade wear.	<ol style="list-style-type: none"> 1. Squeegee wheels worn. 	<ol style="list-style-type: none"> 1. Check wheels for wear / replace.
	Sucks to the floor too tightly.	<ol style="list-style-type: none"> 1. Squeegee wheels worn. 	<ol style="list-style-type: none"> 1. Check wheels for wear / replace.