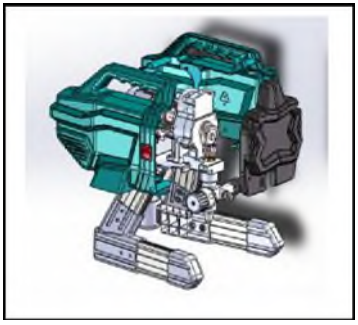
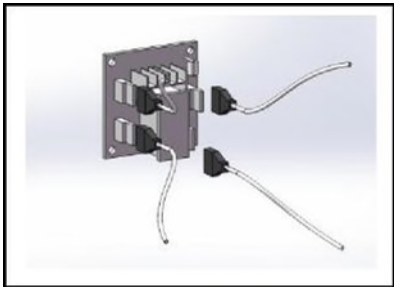
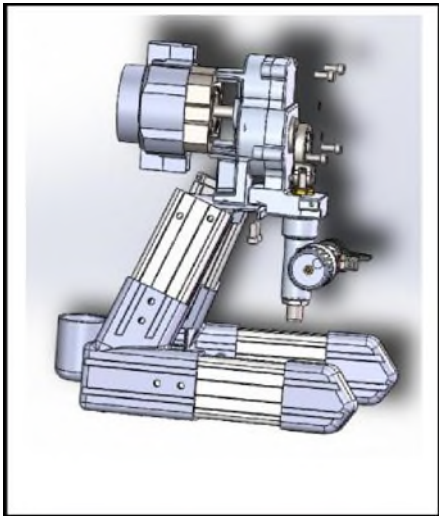
2. Take down the left and right housings.



3. Remove the wire connection between motor and electroncial control board and between pressure control valve and electronical control board.



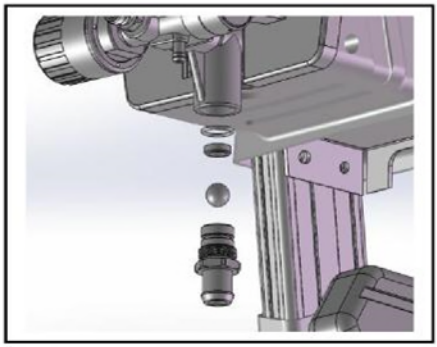
4. Remove the connection bolts between the pump and the supporting frame.



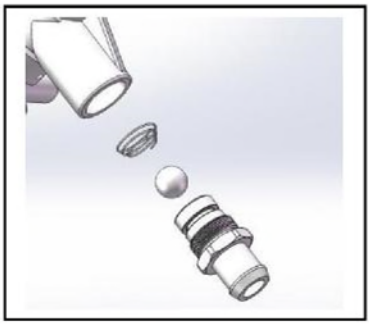
Inlet Valve Removal and Installation

If you suspect that the inlet valve is clogged or stuck, remove the valve assembly and clean or replace.

1. Remove suction tube or hopper from sprayer.
2. Loosen the inlet valve. Remove inlet valve.



3. Clean any debris and dried paint from the cavity and replace the ball and spring. Tighten inlet valve to pump using proper tool on the frame.
4. Please pay attention to the conical spring direction when installing back the ball and conical spring.

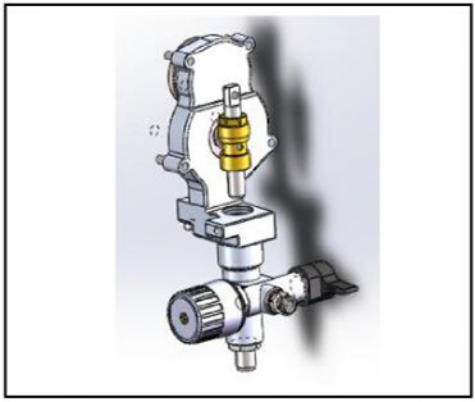


NOTICE

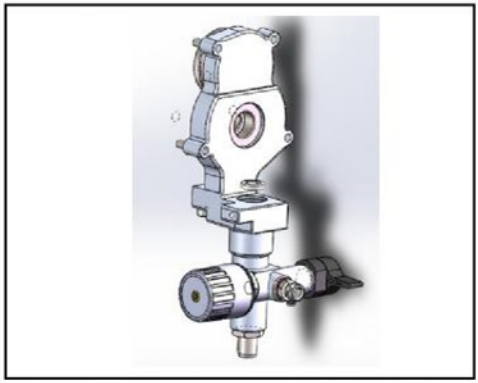
Do not lose the ball and spring inside the inlet valve assembly. It may fall out when the inlet valve is removed. Pump will not prime without the ball and spring.

Piston Rod and V-packings Disassembling

1. Remove the pump (page 22).
2. Unscrew the piston rod bushing and take out the piston rod.



3. Take out the O-rings by using a screw driver.

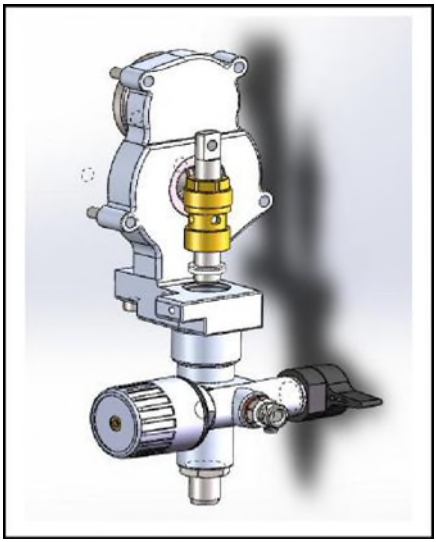


Piston Rod and V-packings Installation

1. Put the O-ring onto the piston rod.

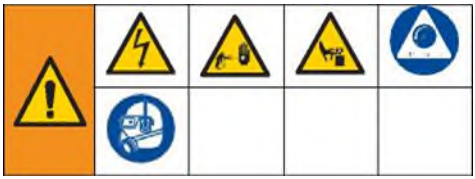


2. Put the piston rod into the pump body.



3. Tighten the copper sleeve.

Troubleshooting



1. Check everything in this Troubleshooting Table before you bring the sprayer to an authorized service center.
2. Follow Pressure Relief Procedure, page 9, before checking orrepairing.
3. Solutions at the beginning of each prob- lem listed are the most common.

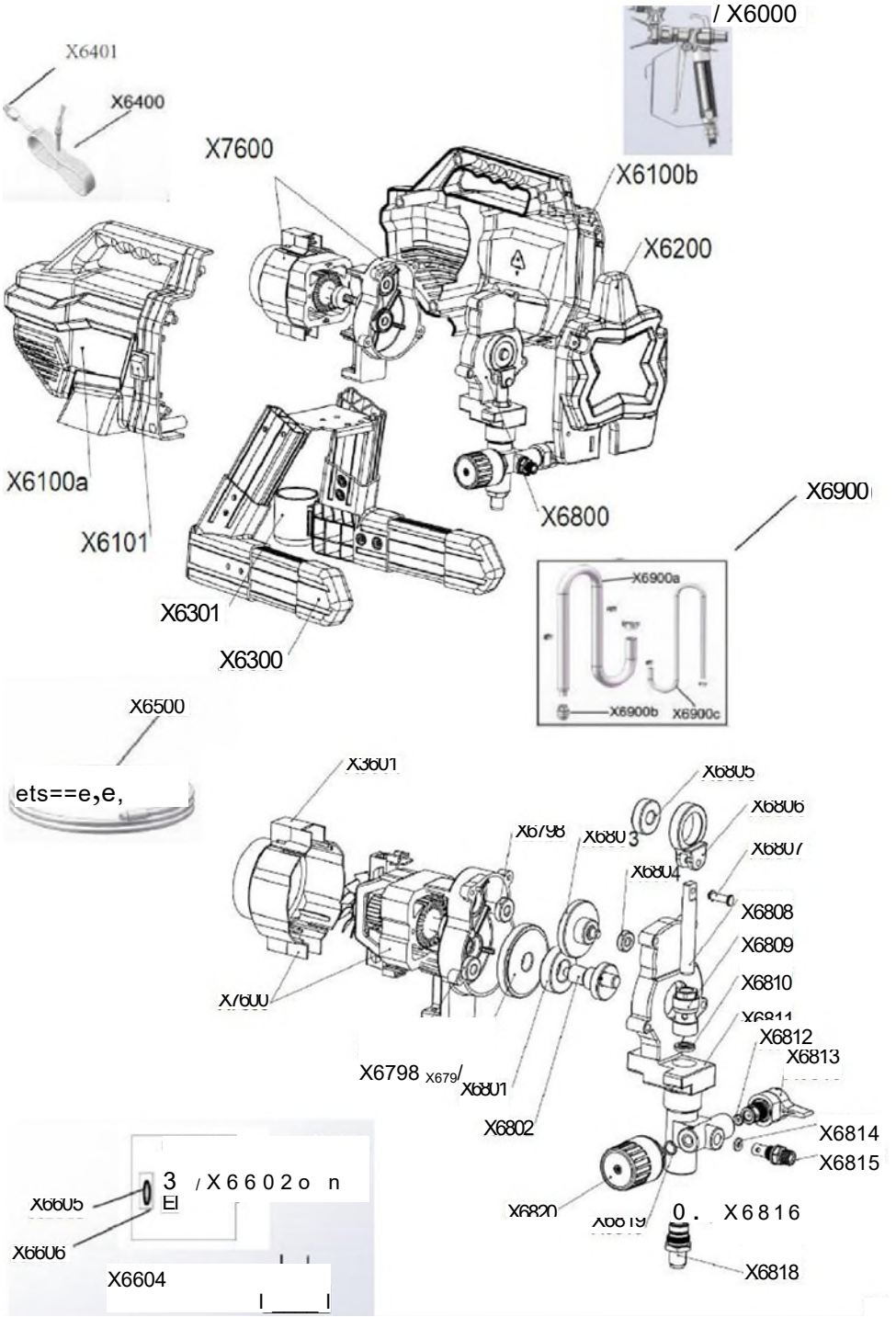
Problem	Cause	Solution
Motor does not run: (verify sprayer is plugged in, and ON/OFF switch is on)	Pressure control is set at zero pressure.	Turn pressure control knob clockwise to increase pressure setting.
	Electric outlet is not providing power.	Test outlet with known working device. Reset circuit breaker or replace fuse. Find working outlet. Reset building circuit breaker or replace fuse.
	Extension cord is damaged.	Replace extension cord.
	Sprayer electric cord is damaged.	Check for broken insulation or wires. Replace electric cord if damaged.
	Pump is seized (Paint has hardened in pump or Water is frozen in pump.)	Turn ON/OFF switch off and unplug sprayer from outlet. If frozen do NOT try to start sprayer until it is completely thawed or it may damage the motor, control board and/or drivetrain. Place sprayer in warm area for several hours. Check for free moving pump by removing shroud and spinning fan. If not frozen, check for hardened paint in pump. If paint has hardened in pump. If motor does not turn with pump removed, consult a authorized retailer, distributor, or service center.
	Motor or control is damaged.	Consult authorized retailer, distributor, or service center.

Problem	Cause	Solution
Sprayer runs, but pump does not prime or looses prime while in use. (Pump cycles but does not pump paint or build pressure.)	Inlet valve check ball is stuck.	Press Push Prime button to dislodge the ball allowing pump to prime properly.
	Prime/Spray valve is in SPRAY position.	Turn Prime/Spray valve down to PRIME position until paint exits drain tube. The pump is now primed.
	Pump was not primed with flushing fluid. (Thick fluids may not prime if not initially primed with flushing fluid.)	Remove suction tube from paint. Prime pump with oil or water-based flushing fluid.
	Debris in paint.	Strain the paint.
	Thick or “sticky” paint.	Some fluids may prime faster if the ON/OFF switch is momentarily turned off so the pump can slow and stop. Turn ON/OFF switch on and off several times if necessary.
	Inlet strainer is clogged or suction tube is not immersed in paint.	Clean debris off inlet strainer and make sure suction tube is immersed in paint.
	Inlet valve check ball or seat is dirty.	Remove inlet fitting. Clean or replace ball and seat.
	Suction tube is leaking.	Inspect suction tube connection for cracks or vacuum leaks.
	Outlet valve check ball is stuck.	Unscrew outlet valve, remove, and clean assembly.
	Prime/Spray valve is worn or obstructed with debris.	Take sprayer to authorized service center.

Problem	Cause	Solution
Pump is primed, but cannot achieve good spray pattern.	Spray tip may be partially clogged.	Clear spray tip clog.
	Reversible spray tip is in UNCLOG position.	Rotate arrow-shaped handle on spray tip so it points forward to SPRAY position.
	Debris in paint.	Strain the paint.
	Pressure is set too low.	Align pressure control knob setting indicator to desired spray setting.
	Spray gun fluid filter is clogged.	Clean or replace gun fluid filter.
	Spray tip selected is too large for capability of sprayer.	Replace tip.
	Spray tip is worn beyond the capability of sprayer.	Replace tip.
	Spray tip gasket and seal worn or missing.	Replace gasket and seal.
	Inlet strainer is clogged or suction tube is not immersed in paint.	Clean debris off inlet strainer and make sure suction tube is immersed in paint.
	Extension cord is too long or not heavy enough gauge.	Replace extension cord.
	Inlet pump valve or outlet pump valve is worn or clogged with debris.	Check for worn or contaminated inlet valve or outlet valve. - Prime sprayer with paint - Trigger gun momentarily - When trigger is released, pump should cycle momentarily and stop - If pump continues to cycle, pump valves maybe worn or contaminated with debris - Clean and reinstall valves
	Material is too thick.	Thin material. Follow manufacturers recommendations.
	Airless hose is too long (if extra section was added).	Remove section of airless hose.
Spray gun stopped spraying while trigger is pulled.	Spray tip is clogged.	Clear spray tip clog.
	Sprayer lost prime.	See troubleshooting section “Sprayer runs, but pump does not prime or looses primewhilein use.”

Problem	Cause	Solution
When paint is sprayed, it runs down the wall or sags.	Material is going on too thick.	Move gun faster.
		Choose a spray tip with smaller hole size.
		Choose spray tip with wider fan.
		Make sure gun is far enough from surface.
When paint is sprayed, coverage is inadequate.	Material is going on too thin.	Move gun slower.
		Choose spray tip with larger hole size.
		Choose spray tip with narrower fan.
		Make sure gun is close enough to surface.
Fan pattern varies dramatically while spraying.	Pressure control switch is worn and causing excessive pressure variation.	Take sprayer to authorized service center.
Cannot trigger spray gun.	Spray gun trigger lock is engaged.	Rotate trigger lock to disengage trigger lock.
Paint is coming out of pressure control switch.	Pressure control switch is worn.	Take sprayer to authorized service center.
Paint is leaking through drain tube.	Sprayer is over pressurizing.	Take sprayer to authorized service center.
Paint leaks down outside of pump.	Pump packings are worn.	Replace pump packings
Motor is hot and runs intermittently. Motor automatically shuts off due to excessive heat. Damage can occur if cause is not corrected.	Vent holes in enclosure are plugged or sprayer is covered.	Keep vent holes clear of obstructions and over spray and keep sprayer open to air.
	Extension cord is too long or not a heavy enough gauge.	Replace extension cord.
	Unregulated electrical generator being used has excessive voltage.	Use electrical generator with a proper voltage regulator.
	Motor needs to be replaced.	Take sprayer to authorized retailer, distributor, or service center.

MONSTER 1.5 Electric Airless Paint Sprayer



Spare Parts List for MONSTER 1.5

Parts No.	Parts No.	Description	QTY
8815100a	X6100a	Left cover	1
8815100b	X6100b	Right cover	1
8815101	X6101	ON/OFF switch	1
8815200	X6200	Front cover	1
8815300	X6300	Stand Assembly	1
8815301	X6301	Drip cup	1
8815400	X6400	Power Plug	1
8815401	X6401	Power cord	1
8815500	X6500	High pressure hose 1/4"*7.5m	1
8815600	X6600	motor assembly	1
8815601	X6601	Motor cover	2
8815601	X6601	Carbon brush	2
8815798	X6798	Bearing 608-2Z	2
8815799	X6799	Big Gear	1
8815800	X6800	Pump assembly	1
8815801	X6801	Bearing 6004-2Z	1
8815802	X6802	Crankshaft	1
8815803	X6803	Gear	1
8815804	X6804	Bearing 698-2Z	1
8815805	X6805	Bearing 6201-2Z	1
8815806	X6806	Connecting Rod	1
8815807	X6807	Pin	1
8815001	X6808	*Piston Rod	1
	X6809	Sleeve	1
	X6810	*O-ring	1
8815811	X6811	Fluid Pump	1
8815812	X6812	Gasket	1
8815813	X6813	Prime valve	1
8815814	X6814	O-ring	1
8815815	X6815	Outlet valve	1
8815816	X6816	Spring	1
8815817	X6817	Inlet valve ball	1
8815818	X6818	Inlet Valve	1
8815819	X6819	Gakset	1
8815820	X6820	Pressure regulator	1
8815900	X6900	Suction/Prime assembly	1
8815900a	X6900a	Suction tube	1
8815900b	X6900b	Suction filter	1
8815900c	X6900c	Prime tube	1
802250BAS	802250BAS	Airless spray gun	1
8815602	X6602	Circuit board	1
8815604	X6604	Micro Switch	1
8815605	X6605	Fuse	1
8815606	X6606	Fuse seat	1