14.5x21cm 70G双胶纸

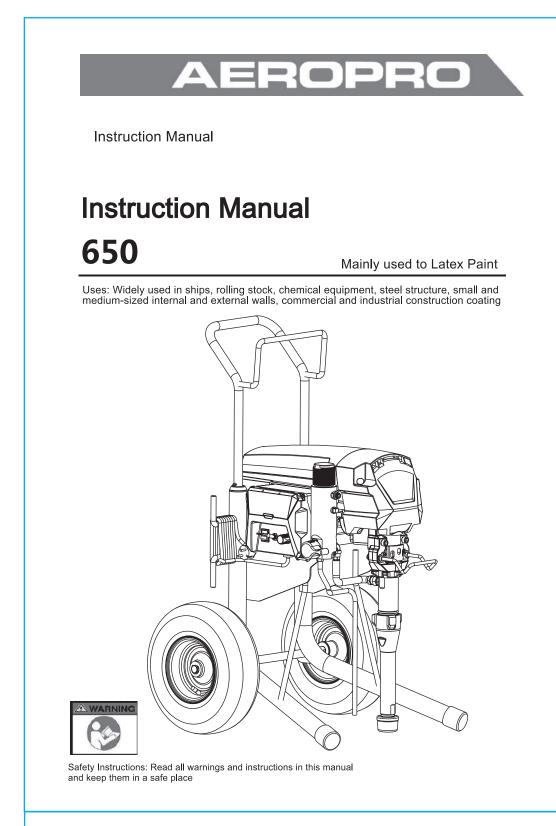


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A WARNING **A**

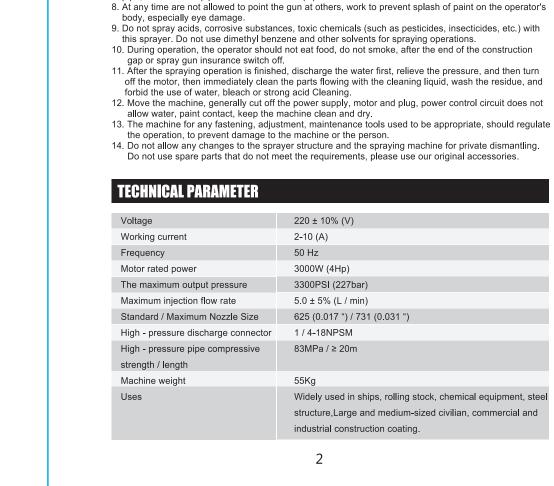
In the use of our spraying machine must use the original parts: than or equal to 20m. electric control parts, pressure switches and pump parts and other original parts, Otherwise it will affect the machine lifetime



* When pressure relief is required * Check or repair any system equipment

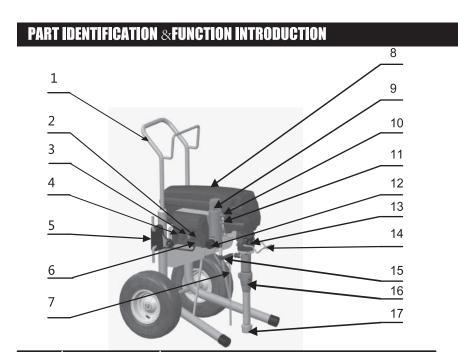
skin, causing severe damage. In order to reduce the operation Improperly,

and caused by spray damage, the following steps in the operation, must be



firmly, and check that the pipe joints are firmly connected.

deterioration, and to go through more than 60 mesh filter.



No.	Name	Function Description
1	pump frame assembly	machine frame is mainly fixed support role
2	pressure regulator knob	To adjust the machine working pressure
3	watchdog	To prevent the paint suction machine is still empty to play to protect the role of piston pump
4	Power switch	controls the machine on and off
5	Power plug	The channel that provides power to the machine
6	Controller components	control the machine circuit part, reflecting the real-time status of the machine
7	Pressure Relief Tube Assembly	The channel through which the machine relieves pressure
8	machine shell	Protect dust and air duct play a role in cooling
9	filter seat components	filter the role of regulator
10	Outlet connector	Paint output connector Connect the paint tube (size: 1 / 4-18NPSM)
11	discharge plug	for the hole to do the next hole hole plug effect
12	pressure relief valve components	to pump the role of pressure relief, the pressure level for the state of the work pressure, the vertical direction of the machine pressure relief
13	The piston guard	protects the piston and also protects the person
14	Pump base holder	protects the pump base and facilitates movement
15	high-pressure feeding tube assembly	connecting the piston pump and filter block components of the bridge
16	piston	pump suction, booster
17	Feed tube assembly	Machine sucking, filtering the body



①With a wrench, connect one end of the high-pressure paint transfer pipe to the discharge connection of the machine and the other end to the high-pressure spray gun. The screw connection must be tightened to prevent high-pressure paint leakage and wounding, ② check the power supply is normal, it is best to connect the power regulator ③ When the new equipment is used for the first time, because the equipment inside the factory just has

the lubricating oil to do the protection, therefore must use the small amount warm soapy water to clean the machine, until washed out is the clear water. When the machine is used several times, it starts at

each job And at the end of the plunger to the throat should drop 4-5 drops of pump oil to prevent the



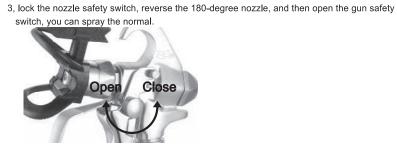
- 1, the feed tube, pressure relief tube together into the bucket; 2, plug in the power to pull the pressure relief valve to the vertical direction, open the pump power switch, until the pressure relief pipe with soapy water out;
- 3, about 30 seconds later, will pull the pressure relief valve to the horizontal direction until the pump to stop running, this time the pump pressure of 22.7 \pm 10% MPa, 4, if there is no leakage, open the gun safety switch to the empty barrel of water, the pump lubrication The oil is rinsed off by recycling, again soapy water will be replaced with clean water, until the water
- 5, turn off the pump power switch, continue to fire without water out; 6, lock gun insurance, will pull the pressure relief valve to the vertical direction, the pump will remove the residual soapy water, clean water so far.

- Prepare the coating (dilution, stirring and filtration according to the technical requirements) to prevent the nozzle clogging and stop the work. After cleaning, began to paint, in the paint before construction. We should do the protection work. 1, check the gun safety switch to ensure that the state is closed; 2, fitted with nozzles, tighten the
- nozzle sheath: 3, the feed pressure relief tube into the paint bucket; 4, turn on the power switch;
- 5. Pull the pressure relief knob in the vertical direction until the pressure in the pressure relief pipe flows out. Pull the pressure relief knob to the horizontal direction and adjust the pressure knob (the general atomization pressure of the latex paint is 14 ~ 20MPa).

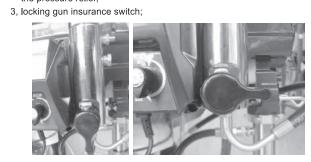


7, the test spray according to the coating viscosity increase or decrease the spray pressure until a satisfactory atomization effect. When painting, please try to make Keep away from paint areas to prevent paint from splashing equipment or paint mist into the motor fan. Note that the amount of paint within the barrel, when the use of the coating is not immersed in the feed tube filter, be sure to fill the paint, to avoid the absence of material in the empty play, resulting in unnecessary damage to the pump.

Third, The nozzle block plug Spraying process, if you encounter nozzle clogging, you can rotate the nozzle 180 degrees after the reverse self-cleaning. 1, lock gun on the insurance switch, reversing the 180-degree nozzle; 2, open the nozzle safety switch, pull the trigger about 2 seconds;



Four: pressure relief operation 1, lock the gun safety switch, turn off the power switch; 2, open the relief valve, the relief valve is maintained in the open state (arrow down), until once again ready to spray; out of the nozzle seat, open the gun safety switch. Grasp the gun and pull the trigger to align the gun with the metal barrel that has been grounded. Slowly trigger the gun, the pressure relief;



PAINTING TECHNIQUES

SAFETY PRECAUTIONS

surrounding personnel.

of this manual

after the hat.

Due to the high pressure in the airless sprayer during construction, it is important to understand and follow all necessary precautions if improper handling may result in injury to the operator and

1. Before using this airless sprayer, please read it carefully and strictly follow all the requirements

2. During operation, the sprayer should be placed in a stable, solid. Operators in the course of their work must pay attention to personal safety, if necessary, with a good protective cover and work

3. The work site should be well ventilated. Motor power lines, high pressure pipe may not be stacked

should be unimpeded, so as not to damage the high-pressure pipe.

4. The power supply voltage and frequency must be the same as the nameplate on the motor and be

grounded safely. If there is no grounding device, please use the grounding wire provided by the

5. Before turning on the power, please double-check that all the fasteners of the sprayer are fastened

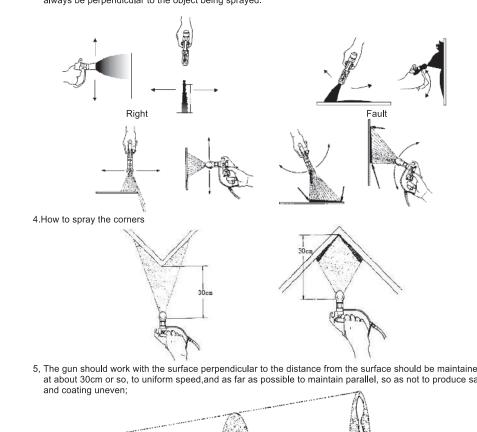
Pressure adjustment should not be greater than 22.7MPa; such as the replacement of high-pressure pipe, the choice of pipe must be a unified equipment manufacturers.

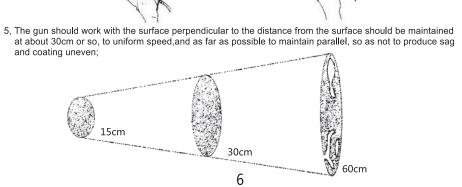
6. To improve the service life of the sprayer, the paint used should be clean, no impurities, no

machine to set up the safety grounding. This spray equipment can only use 220 volts single-phase power, is strictly prohibited connection 110, 380 volts power, otherwise it will burn the motor

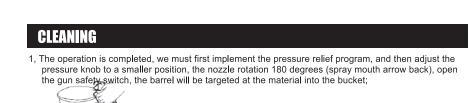
items or step on, pressure and so on. High-pressure pipe in the operation was dragged on the way

is repaired, the installation, cleaning,replace the nozzle or half-way break, please bear in mind that the pump must first release the pressure is completed, close the gun insurance. 1, Attention to the operation of spray gun, paint tube, the coordination of the three positions between the body, standing spray paint feet slightly wider than the shoulder, a hand gun, a hand paint tube, paint tube not stretched too tight, this will help paint moving handy; 2, Holding the gun by hand, but not too tight, do not hold a gun full of grip, ring finger and little finger gently grip the handle, the index finger and the middle finger hook plate machine, caught in the tiger's mouth, the upper body to relax, shoulder to sink, so as not to take a long time, wrist and shoulder fatigue eye; spray when the eye with the gun to go, where the gun, where the eye, it is necessary to find a place to live gun, but also pay attention to spray the formation of the situation and the coating spray nozzle placement; body: spray gun and the surface of the jet distance and vertical spray angle, mainly by body to ensure. Gun ement also use the body to help move the arm, not only move the wrist, but the wrist to the spirit live. 3, Each painting, the gun should be in the process of opening and closing the trigger, so to avoid the surface of the workpiece caused by excessive coating material, causing accumulation and sag. The gun should always be perpendicular to the object being sprayed.







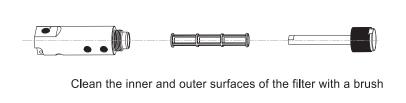


2, The paint into the appropriate water or solvent into a clean bucket, so that the feed tube, pressure relief tube into the bucket, open the pump switch, press the clock turn the pressure adjustment knob to increase the pressure (about 1/3 of full scale), so that the fluid from the pump pressure relief pipe. Until ne relief pipe out water or solvent; 3, Pull the pressure relief valve to the horizontal direction. Adjust the pump pressure to about full-scale 1/2, open the gun safety switch. At this time to clean the paint tube and spray gun steps, until the spray of clean water or solvent so far, turn off the gun insurance; 4, The pump pressure adjustment knob counterclockwise rotation in the end, so that the pressure reaches 5, Pull the pressure relief valve to the vertical direction, turn off the pump power switch; 6. Remove the nozzle, jacket and gun built-in filter, with a clean brush to remove the residual paint to ensure that the nozzle hole and jacket, filter smooth clean. (Please note that the nozzle contains a rubber plug



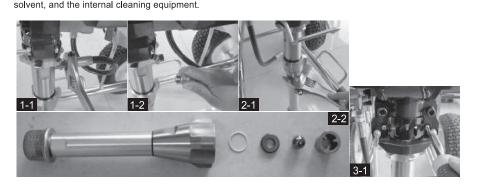
(optional high-strength corrosion-resistant rubber stopper) and the nozzle cap,do not lose)

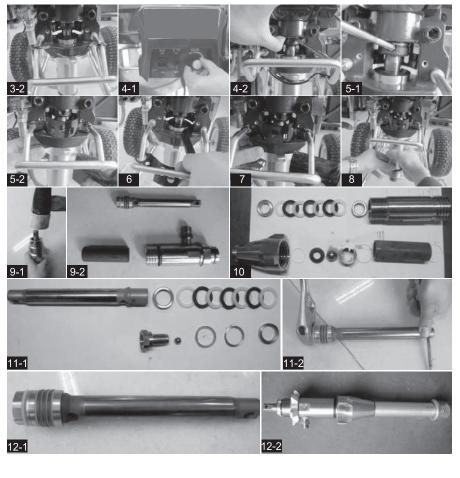
7, The feed pressure relief tube assembly on the filter locking ring loosen, remove the filter with water or a clean brush and brush clean, and press as is installed tighten; 8. Using an adjustable wrench, unscrew the filter knob on the filter block assembly, remove the filter, and clean the inner and outer surfaces with a brush



COI	NTROLLER ERROR	CONDITION COMMENT	
No.	Error Code	Cause of issue	Corrective action
1	E=02	pressure super high (normal pressure 1-30MPa, 30MPa above the operator pressure ultra-high)	This situation is generally out of the pressure sensor,to replace the qualified pressure sensor
2	E=03	Pressure sensor failure or the pressure sensor is not installed loaded	after analysis Replace the qualified pressure sensor or no pressure sensor installed
3	E=04	Supply voltage too high	Check the line voltage is above the voltage limit Limited to be equipped with a regulator to use
4	E=05	Motor overcurrent protection	Check the rotor is locked or not, repair or replace defective parts
5	E=06	Motor overtemperature protection (Motor temperature exceeds 105 °C)	Disconnect the power supply and let the motor cool before using it
6	E=08	Voltage is too low	Check the input voltage magnitude if the input terminal is energized normal pressure can reduce the use of high-power equipment, If too low can be equipped with a boost device to use
7	E=09	motor sensor (Hall), Not connected or Hall fault	check the analysis will Hall connected, or replaced Qualified Hall
8	E=10	Paint empty	Add paint and reset the pressure

Before repairing, make sure that the equipment is faulty. Otherwise, unnecessary disassembly of the equipment will seriously affect the function of the equipment and greatly shorten the service life of the equipment. Maintenance of the machine should be power, pressure relief to avoid personal injury.In addition, when servicing equipment, please choose a well-lit and well-ventilated place for maintenance, and prepare a bucket of clean





Cleaning ball valve and wearing parts replacement Maintenance steps: In all parts of the device, the ball valve is the most vulnerable to clean and dirty due to block the equipment does not work properly parts, so for the ball valve cleaning and maintenance is very important, the following is the ball valve Of the demolition and wearing parts replacement maintenance steps

Cleaning ball valve and wearing parts replacement Use the adjustable wrench to turn the high-pressure feed pipe lock nut clockwise.
 Use the adjustable wrench to rotate the lower pump assembly counterclockwise to remove the valve ball, 3) Using a Phillips screwdriver, unscrew the piston guard setscrew and exit the piston guard.
4) turn on the machine slowly turn the pressure regulating knob, the piston pin hole exposed;
5) with a flat-blade screwdriver to the piston ring lock aside, and then use a hammer with a screwdriver to knock out the pin;
6) with a special wrench to the seal ring nut rotation, so that the late demolition manual spin-out; 7) with a hammer clockwise knock pump nut, knock it loose;

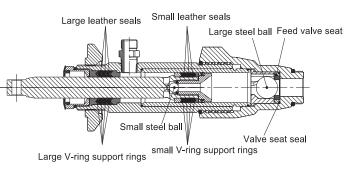
8) manually rotate the upper pump assembly to remove it; 9) knock out the plunger rod assembly, remove the upper pump liner; 10) Manually unscrew the sealing ring nut, remove the large V-ring and large seal ring components;

11) Using an adjustable wrench, unscrew the V-shaped fixing screw, take out the small steel ball, small V-shaped fixing ring, small sealing ring assembly, small V-ring, Circle, high-lip seals 12) Removed parts and components, especially clean the ball and valve, if you find damaged parts ,must be replaced with new one, and then the new vulnerability replacement parts, and then reverse the

Note: If you don't know the spare parts' name appeared before , please refer to the machine explosion and spare parts list, please do not removed blindly , thank you!

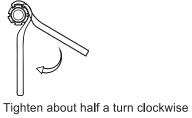
① Unscrew the feed tube assembly with an adjustable wrench and remove the feed tube manually

② Use a stick or a soft bar from the bottom of the bottom pump "top" the feed ball ifeed ball "stuck" steps ①, Unscrewing the bottom pump with a spanner wrench ④ Use a stick or a soft bar from the bottom of the upper body, "top" small ball Large steel ball Feed valve seat



The machine will wear after a long period of time the use of the ring, large and small seals as a wearing parts, in a certain period of time should be its inspection or maintenance Replacement: If the top of the pump on the slight leakage of seals can be a special wrench clockwise Tighten the half-turn





Note: The piston rod and all parts must be coated with a little oil NOTE: Even if a seal is damaged, the entire set of service accessories must be replaced !!WARNING!! Remember to use the pipe pliers or vice when installing the plunger rod, which will cause damage to the surface of the piston rod and lead to drip phenomenon of the pump seat, the installation process after the demolition of the feed pipe joints should pay attention to the

O-ring No wear! Disassembly steps can refer to the picture above. 10

Why hangs
• use the paint viscosity is too low

Excessive dilution
 nozzle aperture selection is too large or wear
 spraying too close (gun away from the 30 cm)
 The wall is too shooth

The gun moves too slowly
muzzle perpendicular to the wall, horizontal or up and down movement, speed 0.8-1 m / s

Thin film, unable to cover the bottom of the wall Excessive dilution The gun moves too fast

Paint mist is too big

Spraying distance too far

The coating is too thick

• spray distance is too far or there is rejection gun phenomenon Spray pressure is too high
Spray the ceiling without using an extension bar

Why paint particles are very thick, affecting the wall appearance

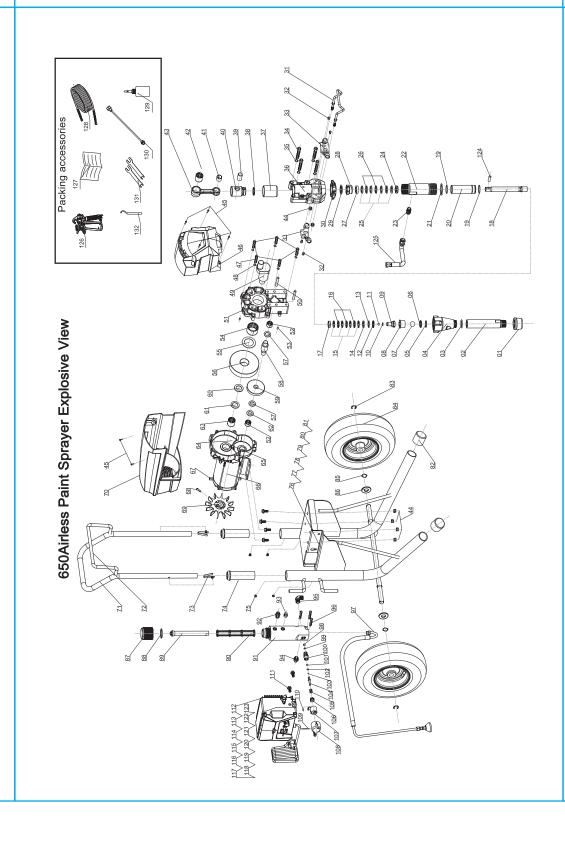
• Spraying distance is too long, resulting in coating film is not continuous

• Atomization pressure is not enough, the coating is not completely atomized Nozzle wear, flow becomes larger
There is a gun rejection phenomenon, over spray paint mist affected the other

Machine does not suck coating Air is mixed in the pipe
cleaning is not complete, resulting in ball valve bonding

Why the accumulation pressure sprayer frequent start
•Check for leaks at the line connections Leak the upper end of the plunger pump and tighten the sealing ring half a turn clockwise. Pressure relief valve damage (pressure relief is not in accordance with the rules from the muzzle pressure, but directly from the pressure relief valve, resulting in relief valve pemature wear)

• Check valve is damaged Replace the check valve



\$\cdot \begin{array}{c c c c c c c c c c c c c c c c c c c	O-Rings (5X1.8) D-Rings (5X1.8) D-Rings (5X1.8) D-Rings (5X1.8) D-Rings (5X1.8) D-Ringsten steel ball D-Ringsten steel D-Ringsten D-Ringsten	ON. Solve the control of the control	Name over lades uard lades uard li Main frame escessed bevel head MSX8) form hook me MSX8) form book me wate buckle axle trod upport base ver statining ring le rubber tire to d at seal ment ment lob	No. Name 67 Motor cover 68 Cross slot screw 69 motor blades 70 Motor guard 71 Handrail Main frame 72 Handrail Main frame 73 V-shaped spring pins 74 Sleeve 75 Cross recessed bevel head screw (M5X8) 76 Several form hook 77 Main frame 78 Wheel axle buckle 79 Wheel axle buckle 79 Wheel axle buckle 79 Wheel axle buckle 79 Wheel axle 80 Support base 81 Motor support base 82 De 25, d = 19 Wave spring 84 Inter seat seal 86 gaskets 87 Filter knob 88 filter seat seal 89 filter seat seal 90 Filter 90 Cutlet connector 91 filter seat 91 cutlet seat 92 Cuutlet connector 93 plug 94 Pressure Switch Assembly 95 Feeding elbow 96 Hexagon Socket Head Cap	N N 667 70 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 8 8	00 y , 4 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Mame M10x65 Hexagon Socket Head Cap Screws d = 10 standard spring washers Pump seat Oriented Copper Bushing Locking ring with pin Connecting rod connecting pin piston endless self-lubricating bearing (with oil hole) Needle roller bearings connecting rod Self - locking nuts M5X10 screws Gear box cover Hexagon Socket Head Cap Screws d = 8 standard spring washers crankshaft pump seat locating pin gear box Needle roller bearings sets of q5X12 cylindrical pin Sear sthaft Small gears crankshaft copper retaining ring gear shaft Small gears crankshaft retaining ring crankshaft retaining ring		
	129 oil cans	-	oe Assemblies	Pressure Relief Tube Assemblies	97	Н	Needle roller bearings	Needler	+
	128 high-pressure lacquer pipe (black)		ead Cap Screws	96 Hexagon Socket Head Cap Screws	96	1	pinion shaft retaining ring	pinion	62 pinion
	27 Instructions	\neg		Feeding elbow	95	1	Crankshaft retaining ring	Cranks	\rightarrow
-	26 high pressure airless spray gun	\neg	ssembly	Pressure Switch As	94	1	copper retaining ring	crankshafi	-
Sé	Packing accessori	\Box		blug	93	П		Small gears	\vdash
		1				П		gear shaft	\vdash
\dashv	assembly	1				7	copper retaining ring	small gear o	-
	25 high-pressure conveying pipe			Filter	96	T		large gears	\rightarrow
1	24 plunger connecting pin	\neg		filter element	83		retaining ring	Large gear	-
1	23 Watchdog	\neg		filter seat seal	88	1	r bearings	Needle rolle	\rightarrow
2	22 Panel connection pin			Filter knob	87		12 cylindrical pin	sets of $\phi 5X$	\rightarrow
1		\neg					e roller bearings	Gear need	-
-			re spring washer	D = 25,	-			gear box	\rightarrow
1			o.			\neg	locating pin	pump seat	\dashv
2	18 Hexagon socket set screws	\neg				1		crankshaft	\rightarrow
_	17 Potentiometer knob	\neg				2	rd spring washers	d = 8 standar	σ
1	16 power switch			Motor support base	81		cket Head Cap Screws	Hexagon Soc	
1	15 Power cord			Support rod	80		over	Gear box cover	\rightarrow
	14 circuit board assembly	\neg		Wheel axle	79	-	we	M5X10 screw	-
П				Wheel axle			g nuts	Self - locking nuts	-
1		\neg		Main frame		1	rod	connecting rod	
9	11 Hexagon flange face bolts						er bearings	Needle rolle	-
Т	10 Elastic cylindrical pin (3X10)	_		screw (M5X8)			(e)	(with oil hole)	(with oil ho
1	09 Elastic cylindrical pin (2.5X30)		vel head	Cross recessed bev	75	1	f-lubricating bearing	endless se	
1	08 switch knob			Sleeve	74			piston	-
	07 switch seat	\neg	SU	V-shaped spring pii	73	\neg	rod connecting pin	Connecting	\rightarrow
1						П	with pin	Locking ring with pin	\rightarrow
1			ө			1	pper Bushing	Oriented Cop	-
1	04 Pressure relief valve stem			Motor guard	20	1		Pump seat	-
1	03 Tungsten steel ball	-		motor blades	69	4	dard spring washers	d = 10 stano	р
1	02 plastic rings	-		Cross slot screw	89			Cap Screws	\rightarrow
1	01 O-Rings (5X1.8)	1 1		Motor cover	29	Т,	sxagon Socket Head	M10x65 He	-
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MAINTENANCE AND MAINTENANCE

•Check the suction tube filter, the paint filter can not be blocked Check whether the internal pipe is clean
 Before and after the use of plug piston throat lubricating oil Check the plunger pump throat for leaks Make sure the spray gun meets the safety requirements Make sure the equipment pipe is well connected Make sure the machine is grounded and the input voltage is correct

 After each work, the paint line and the strainer filter must be cleaned Check the plunger throat seal for leaks and tighten the lock nut
 Check if the nozzle needs to be replaced • Check all high-pressure paint pipe is safe • Check the filter inside the gun, machine filter seat inside the filter is clean

Annual maintenance Perform the annual equipment check Check the piston and sleeve for wear • In case of other problems, please call the after-sales service points

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