

INSTRUCTION MANUAL

WRA-M200T10LV6 Automatic Spray Gun

Important

This manual contains IMPORTANT WARNINGS and INSTRUCTIONS. Equipment in this manual is exclusively for painting purposes.

Do not use for other purposes. The operator shall be fully conversant with the requirements stated in this instruction manual including important warnings, cautions and operation and correct handling. Read and understand the instruction manual, before use and retain for reference.

Be sure to observe warnings and cautions in this instruction manual. If not, it can cause paint ejection and serious bodily injury by drawing organic solvent. Be sure to observe following						
	Indicates a potentially hazardous situation which, if not avoided, may result in serious injury or loss of life.					
	Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury or property damage.					
Important	Indicates notes which we ask you to observe. The safety precautions in this instruction manual are the minimum necessary conditions. Follow national and local regulations regarding fire prevention, electricity and safety as well as your own company regulations.					

Important specifications

Max. Pressure	0. 68 MPa / 6. 8 bar / 98. 6 PSI
Nata a la cal	76. 9 d B (A)
Noise level	Spray condition : Recommended Measuring point : 1m backwards from gun, 1.6 m height
Max. Temperature	Atmosphere : $5^{\circ}C \sim 40^{\circ}C$ Air · Fluid : $5^{\circ}C \sim 43^{\circ}C$

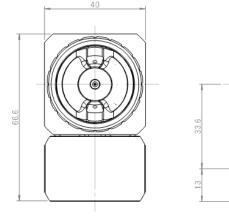
Main specifications

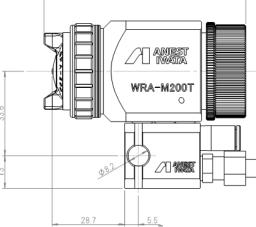
					Recommended condition						
Model		l ype of orific	orifice		※1 Air pressure MPa (bar /PSI) Fluid outp		Fluid output	Air consumption	Spray distance	Pattern width mm(in)	Mass g (lbs)
			ϕ mm (in)	Mark	Atomizing air	Fan air	ml/min	l/min (cfm)	mm(in)		9 (120)
WR	RA-M200T10LV6	Pressure	1.0 (0.039)	LPH-200- LV6	0.10 (1.0 / 14.5)	0.10 (1.0 / 14.5)	120	200 (7.1)	200 (7.9)	250 (9.8)	400 (0.88)

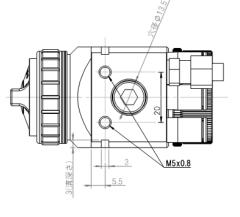
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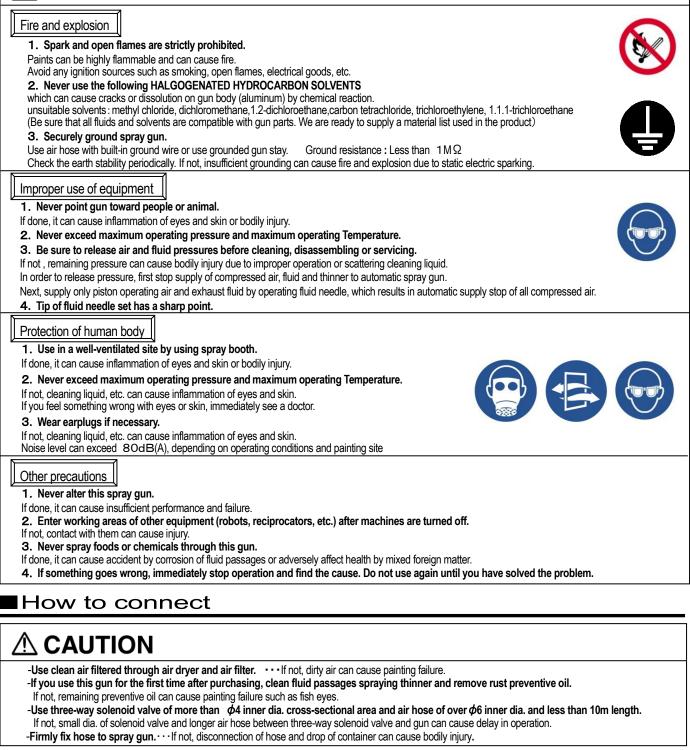
 $\times 1$ Air pressure means air pressure at gun inlet when air valve is opened and air flows.

X2 Paint viscosity is 12(s/NK-2)

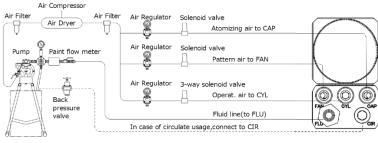


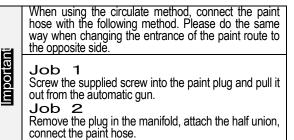






- Job 1 Fit the gun to fitting stay, aim at spraying direction and fix it.
- Job 2 Connect atomizing air hose to atomizing air side (Cap marked side) and operating air hose to operating air side(CYL marked side).
- **Job 3** Connect fluid hose to fluid inlet tightly.
- Job 4 supply thinner to automatic gun. Spray and clean fluid passage with thinner.
- Job 5 supply paint to automatic gun and test spray and adjust air volume, fluid output and pattern width as necessary.





🗥 WARNING

- First release air and pressure fully according to item No. 3 of "Improper use of equipment" of WARNING on page 2.
 Tip of fluid needle set has a sharp point. Do not touch the tip of needle valve at the maintenance for protection of the human body.
- -Be careful not to damage the tip of fluid nozzle or must not put your hand on it.
- Only an experienced person who is fully conversant with the equipment can do maintenance and inspection.

CAUTION Æ

-Never use commercial or other parts instead of ANEST IWATA original spare parts. -Never immerse the whole gun into liquid such as thinner. -Never soak air cap set in solvent for extended period even if cleaning. It may cause defective pattern. -Never damage holes of air cap a fluid nozzle and fluid needle.

Step-by-step procedure	Important
1. Pour remaining paint to another container. Clean fluid passages and air cap set. Spray a small amount of thinner to clean fluid passages.	 Incomplete cleaning can fail pattern shape and uniform particles. Especially clean fully and promptly two-component paint after use.
2. Clean each section with brush soaked with thinner and wipe out with waste cloth.	 Soaking whole spray gun in solvent may cause spray gun malfunction. Also soaking air cap set itself for extended period. When cleaning, never scratch each hole of air cap set and fluid nozzle, and fluid needle set.
3. Before disassembly, fully clean fluid passages.	3. During disassembly, do not scratch seat section.
(1)Disassemble fluid nozzle. Use ring spanner, box wrench or optional exclusive spanner (code No.035386000) to disassemble fluid nozzle.	(1)Remove fluid nozzle after removing fluid needle set or while keeping fluid needle pulled, in order to protect seat section.
(2)Disassemble fluid needle set. Remove fluid adj. set and pull out fluid needle set from gun body. Pay attention so that spring does not suddenly fly out since fluid adj. set is strongly pushed by fluid needle spring and piston spring.	(2)Pull fluid needle set after loosening fluid needle packing set to protect fluid needle packing set.

Where to inspect	Parts replacement standard		
1. Each hole passage of air cap and fluid nozzle	Replace if it is crushed or deformed.		
2. Packing and O ring	Replace if it is deformed or wom out.		
3.Leakage from seat section between fluid nozzle and fluid needle set	Replace them if leakage does not stop after fully cleaning fluid nozzle and fluid needle set. If you replace fluid nozzle or fluid needle set only, fully match them and confirm that there is no leakage.		

Spray Pattern	Problems	Remedies
Fluttering	 Air enters between fluid nozzle and tapered seat of gun body. Air enters at fluid hose joint. 	 Remove fluid nozzle to clean seat. If it is damaged, replace nozzle. Fully tighten joint section.
Crescent	1. Paint buildup on air cap partially clogs horn holes. Air pressure from both horns differs.	1. Please remove obstacles adhering to the horn holes with resin brush But do not use metal objects to clean horn holes.
Inclined	 Paint buildup or damage on fluid nozzle circumference and air cap center. Fluid nozzle is not properly fitted. 	 Remove obstructions. Replace if damaged. Remove fluid nozzle and clean seat section.
Split	1. Paint viscosity too low. 2. Fluid output too high.	 Add paint to increase viscosity. Tighten fluid adj. knob to reduce fluid output. Lower the Fan air.
Heavy Center	1. Paint viscosity is too high. 2. Fluid output is too low.	 Add thinner to reduce viscosity. Turn fluid adj. valve knob counter-clockwise to increase fluid output.
Spit	 Fluid nozzle and fluid needle set are not seated properly. Paint buildup inside air cap set. 	 Clean or replace fluid nozzle and fluid needle set. Clean air cap set.

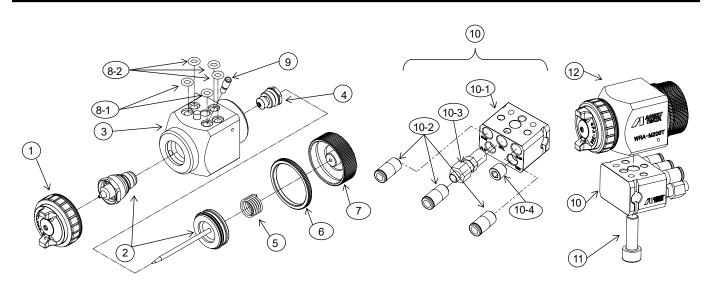
			R1: retighten R2: adjust	R3:	clean	R4 : repla	ace parts	
Problem	Where it occurred	Parts to be checked	Cause		Remedy			
FIODIEITI	where it occurred	Parts to be checked			R2	R3	R4	
	El vid e emple	Electric seconda y flucied seconda	* Dirt or damage, wear on seat surface			0	0	
	Fluid nozzle Fluid nozzle ~fluid needle		* Wear on needle spring				0	
Paint leaks	Fluid needle packing	Fluid needle packing~ packing seat	* Insufficient tightening					
			* Needle does not return due to paint buildup on fluid needle.		0	0		
			* Wear				0	
	Tip hole of nozz		* Clogged			0		
Paint does not flow	Tip of gun	Fluid adj. knob.	* Insufficient opening		0			
	Paint filter		* Clogged			0	0	

How to operate

Job 1 Suggested air pressure is 2.9 to 3.9 bar (42.1 to 56.6 PSI)

- Job 2 Recommended paint viscosity differs according to paint property and painting conditions. 10 to 25 sec/NK/2 cup is recommendable
- Job 3 Set the spray distance from the gun to the work piece as near as possible within the range of 150-250 mm (5.9-9.8in)

Parts list



No.	Description	Q'ty	No.	Description	Q'ty
1	Air cap assy	1	9	Fluid plug	1
2 🔶	Nozzle Piston assy	1	10	Manihold assy	1
3	Body assy	1	10-1	Manihold	1
4 🔶	Fluid needle packing assy	1	10-2	Airjoint (for ϕ 6)	3
5	Piston Spring	1	10-3	Hose Nipple	1
6	Jam Nut	1	10-4	Plug	1
7	Piston Cover	1			
			11	Bolt	1
8-1 🔶	Oring(white)	2	12	Auto Gun (※)	1
8-2 🔶	Oring(black)	3	13	Instruction manual	1
	arts are wearable parts. by of No.1~9				

Fluid nozzle –fluid needle set combination

	Fluic	Fluid nozzle		
Manlal	Orifice		needle	
Model	ϕ	Mark	set	
	mm(in)		mark	
WRA-M200T10LV6	1.0 (0.039)	200LV/10	WRA12	

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