

■ MAINTENANCE AFTER PAINTING

⚠ WARNING

- TURN OFF AIR AND COATING MATERIALS TO THE GUN AND RELEASE PRESSURE BY TRIGGERING THE GUN BEFORE DISASSEMBLING, CLEANING OR SERVICING.
- PAY ATTENTION WHEN DISASSEMBLING SPRAY GUN SINCE YOU MUST TOUCH SHARP PARTS.
- DO NOT DISASSEMBLE WITHOUT RECEIVING ENOUGH KNOWLEDGE AND EDUCATION.

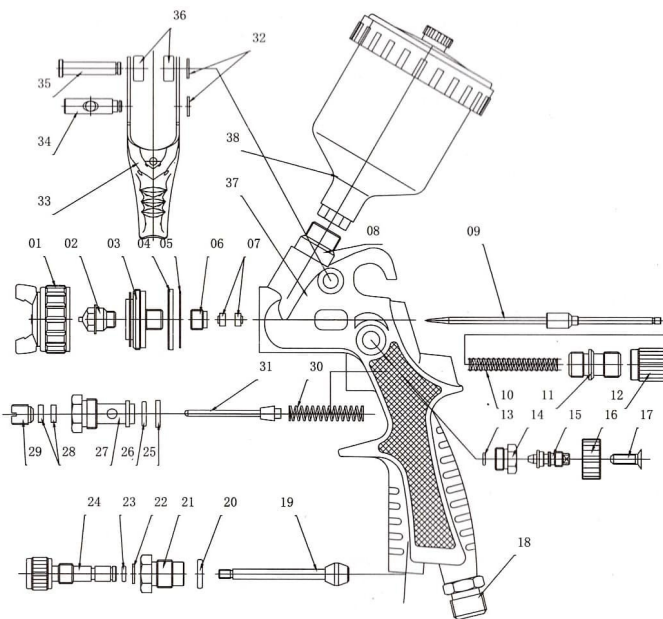
1. Pour remaining paint into another container and then clean paint passages and air cap. Spray a small amount of thinner to clean paint passages. Incomplete cleaning will cause adverse pattern shape and particles. Clean fully and promptly two- component paint after use.
2. Clean other sections with attached brush soaked with thinner and waste cloth.
3. Clean paint passages fully before disassembly. Use ring spanner, box wrench or optional exclusive spanner to remove fluid nozzle.
4. Remove fluid nozzle after removing fluid needle set or while keeping fluid needle pulled, in order to protect seat section.
5. While keeping fluid needle set inserted, tighten fluid needle packing set by hand. Then tighten gradually by spanner. Adjust packing set while pulling trigger and watching movement of fluid needle set since too much tightening will slow down movement of fluid needle and result in leakage from tip of nozzle. If tightened too much, turn counterclockwise to the sufficient position without stuck needle and fluid leakage.
6. Turn pattern adj. knob counterclockwise to fully open. And then tighten pattern adj. guide into gun body.

⚠ CAUTION

- NEVER USE COMMERCIAL OR OTHER PARTS INSTEAD OF THE ORIGINAL SPARE PARTS.
- NEVER IMMERSE THE WHOLE GUN INTO LIQUID SUCH AS THINNER.
- NEVER DAMAGE HOLES OF AIR CAP, FLUID NOZZLE AND FLUID NEEDLE.

■ PARTS LIST

NO.	DESCRIPTION
1	Air cap set
2	Fluid nozzle
3	Nozzle seat
4	Nozzle seat washer
5	Atomolysis gasket
6	Packing screw
7	Needle plastic
8	Fluid joint
9	Fluid needle
10	Needle spring
11	Needle adjust seat
12	Needle adjust knob
13	O-ring
14	Pattern adjusting seat
15	Pattern adjusting valve
16	Pattern adjusting knob
17	Cross bolt
18	Air inlet
19	Air needle
20	O-ring
21	Air regulator seat
22	Hatching circle
23	O-ring
24	Air regulator screw
25	Valve washer
26	O-ring
27	Valve cover
28	Washer
29	Valve screw
30	Valve spring
31	Valve needle
32	Hatching circle
33	Trigger
34	Trigger pin with hole
35	Trigger pin
36	Trigger washer
37	Gun body
38	Cup



■ HOW TO OPERATE

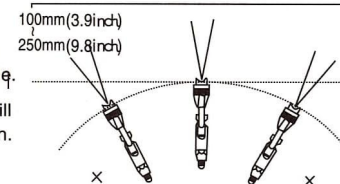
Suggested air pressure is 2.0 to 4.0 bar (28 to 60 psi).

Recommended paint viscosity differs according to paint property and painting conditions. 15 to 23 sec. / Ford #4 is recommendable.

Keep fluid output as small as possible to the extent that the job will not be hindered. It will lead to better finishing with fine atomization.

Set the spray distance from the gun to the workpiece as near as possible within the range of 100-250 mm (3.9-9.8 in).

The gun should be held so that it is perpendicular to the surface of the work piece at all times. Then, the gun should move in a straight and horizontal line. Arcing the gun causes uneven painting.



■ TROUBLESHOOTING

Spray Pattern	Problems	Remedies
Fluttering	1. Air enters between fluid nozzle and tapered seat of gun body. 2. Air is suctioned from fluid needle packing.	1. Remove fluid nozzle to clean seat. If it is damaged, replace nozzle. 2. Tighten fluid needle packing.
Crescent	1. Paint buildup on air cap partially clogs horn holes. Air pressure from both horns differs.	1. Remove obstructions from horn holes. But do not use metal objects to clean horn holes.
Inclined	1. Paint buildup on air cap partially clogs horn hole or air cap center hole, or causes damage. 2. Loose fluid nozzle.	1. Remove obstructions. Replace if damaged. 2. Remove fluid nozzle and clean seated section.
Split	1. Paint viscosity too low. 2. Fluid output too high.	1. Add paint to increase viscosity. 2. Adjust fluid adj. knob or pattern adj. knob.
Heavy Center	1. Paint viscosity too high. 2. Fluid output too low.	1. Reduce viscosity. 2. Increase fluid output.
Spit	1. Fluid nozzle and fluid needle set are not seated properly. 2. The first-stage travel of trigger (when only air discharges) decreases. 3. Paint buildup inside air cap set.	1. Clean or replace fluid nozzle and fluid needle set. 2. Replace fluid nozzle and fluid needle set. 3. Clean air cap set.

R1: retighten R2: adjust R3: clean R4: replace parts

Problem	Where it occurred	Parts to be checked	Cause	Remedy			
				R1	R2	R3	R4
Air leaks (from tip of air cap)	Air valve set	Air valve	* Dirt or damage on seat			○	○
		Air valve seat set	* Dirt or damage on seat * Wear on air valve spring			○	○
		O ring	* Damage or deteriorated				○
Paint leaks	Fluid nozzle	Fluid nozzle- fluid needle set	* Dirt, damage, wear on seat * Loose fluid needle adj. knob * Wear on needle spring			○	○
			* Insufficient tightening	○			
		Fluid nozzle- gun body	* Dirt or damage on seat			○	○
	Fluid needle	Fluid nozzle- packing set	* Needle does not return due to packing set too tight		○		○
			* Needle does not return due to paint buildup on fluid needle		○	○	
		Needle packing set- needle set	* Wear	○			○
Paint does not flow	Tip of gun	Packing seat	* Insufficient tightening	○			
		Fluid adj. knob	* Insufficient opening		○		
		Tip hole of nozzle	* Clogged			○	
		Paint filter	* Clogged			○	○