Star® INSTRUCTION MANUAL for S-106(C) Conventional SV-106(C) H.V.L.P.

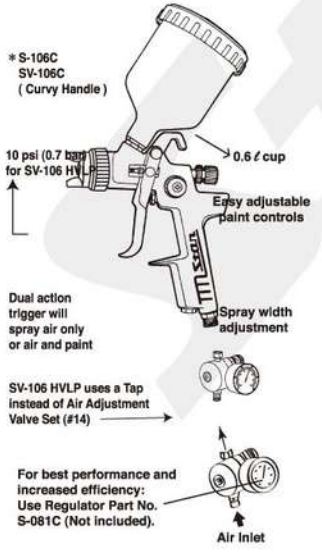
This instruction manual contains valuable information to your work and safety.
Please read the manual carefully before operation and retain it for future reference.

"PRECAUTION"

- All operations including maintenance should be carried out ONLY by knowledgeable personnel.
- Never point the Star® Spray Gun towards human or animals.
- Be aware of the conditions of your surroundings, and maintain grounding to the spray equipment and the object being sprayed at all time.
- Do not exceed the maximum working pressure of the equipment.
- Fluid and solvents can be highly flammable and erosive. Handle the materials with extreme care, and keep them away from fire and electrical hazards.
- Toxic vapors produced by spraying can cause serious damage to health. Always wear protective equipment and use the Star® Spray Gun in well-ventilated areas.
- Halogenated hydrocarbon solvents may cause chemical explosions. Use paint materials which are chemically compatible with aluminum, copper and zinc parts.
- Always release air and fluid pressure before cleaning/disassembling/servicing. A ball-valve installation is recommended for emergency stop and prevention of unintentional operation accidents.
- Make sure all parts, screws and nuts are intact before putting the Star® Spray Gun into operation.

"SPECIFICATIONS"

- S-106 Conventional High Performance spray guns are for those applications which require best finishing results with ultra fine atomization. Their wide fan pattern ensures fast work speed.
- SV-106 H.V.L.P. spray guns operate at low pressure of 29 psi (2 bar) with air cap pressure of 10 psi (0.7 bar). They produce high quality finishing results, but less overspray and pollution. Transfer efficiency above 65% meets VOC Regulations and significantly saves material consumption up to 20~30%.
- Both S-106 and SV-106 are suitable for use with all kinds of paint materials including waterborne.



Model	(l/min)	(psi)	(l/min)	(ml/min)	(mm)	(kw)	Cup capacity
High Performance Hi-Class Series							
S-106-141G	1.4	35~40	241	250	245	0.75~1.5	0.6ℓ AL/PL 1.0ℓ AL
S-106-171G	1.7		246	315	255		
S-106-201G	2.0		260	360	270		
High Performance Professional Series							
S-106-142G	1.4	38~43	295	255	250	0.75~1.5	
S-106-172G	1.7		303	320	260		
S-106-202G	2.0		311	360	275		
H.V.L.P. Low Pulltion Series							
SV-106-133G	1.3	29	270	190	230	0.75~1.5	
SV-106-153G	1.5			210	235		
SV-106-173G	1.7		272	225	245		
SV-106-193G	1.9			240	250		
ø2.5/2.8/3.0/3.5 NOZZLE ALSO AVAILABLE AIR INLET: 1/4" PF/NPS(M) FLUID INLET:M16*P1.5							

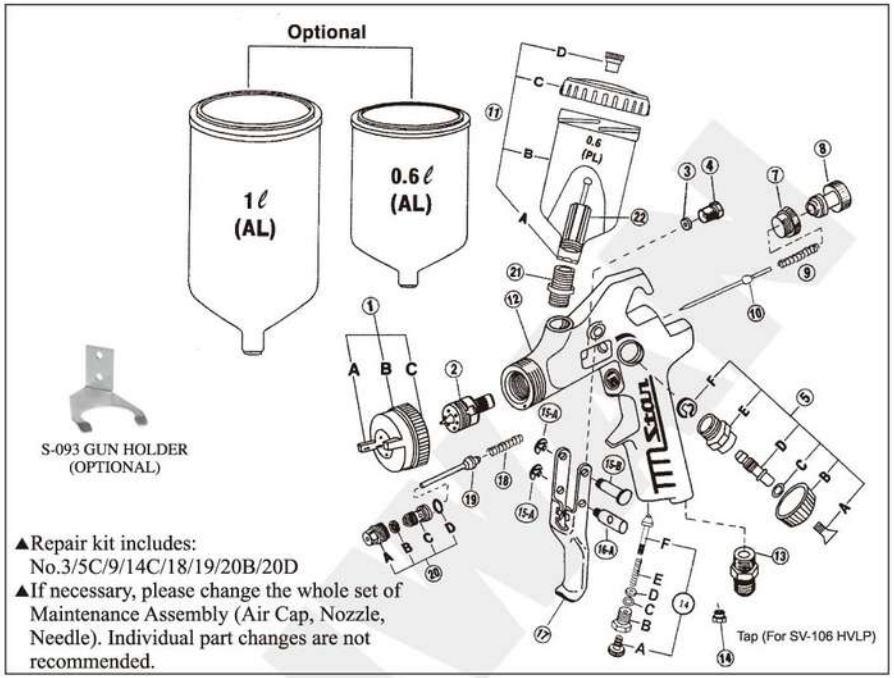
*Maximum working pressure is 7 bar (100 psi). | Temperature range is between 5 ~ 40 ℃.

*Noise level is 78.8 dB(A) measured at 1m behind the tip of the gun and 1.6m above the ground.

*Atomizing air pressure is regulated at the gun inlet when the trigger is pulled and the air flows.

△ALL ABOVE RECORDS ARE FOR REFERENCE ONLY.

"PARTS LIST"



▲Repair kit includes:
No.3/5C/9/14C/18/19/20B/20D

▲If necessary, please change the whole set of Maintenance Assembly (Air Cap, Nozzle, Needle). Individual part changes are not recommended.

NO.	DESCRIPTION	QTY	NO.	DESCRIPTION	QTY	NO.	DESCRIPTION	QTY
1	Air Cap Set	1	11	Cup 0.6ℓ(PL/AL)	1	18	Air Valve Seat Set	1
2	Fluid Nozzle	1		1ℓ(AL)		19	Air Valve	1
3	Needle Valve Packing	1	12	Gun Body	1	20	Air Valve Seat Set	1
4	Needle Valve Packing Seat	1	13	Air Hose Joint	1		20A Air Valve Seat Set	1
5	Spreader Adjusting Valve Set	1	14	Air Adjusting Valve Set	1		20B Air Valve Packing	1
7	Lock Nut	1	15A	E Stopper	2		20C Valve Body	1
8	Fluid Adjusting Screw	1	15B	Trigger Stud	1		20D O-ring	1
9	Needle Valve Spring	1	16A	Trigger Pin	1	21	Fluid Joint	1
10	Fluid Needle Set	1	17	Trigger	1	22	Filter	1

■ AIR FILTRATION SYSTEMS



- Filter-regulator-in-1
- Removes dust, water and oil
- 99.9% absorption rate, 5μm filter size
- Cleaner air, longer tool life

S806

■ ACCESSORIES

