



ASAHI
SUNAC

OPERATING AND MAINTENANCE MANUAL

ACE GUN

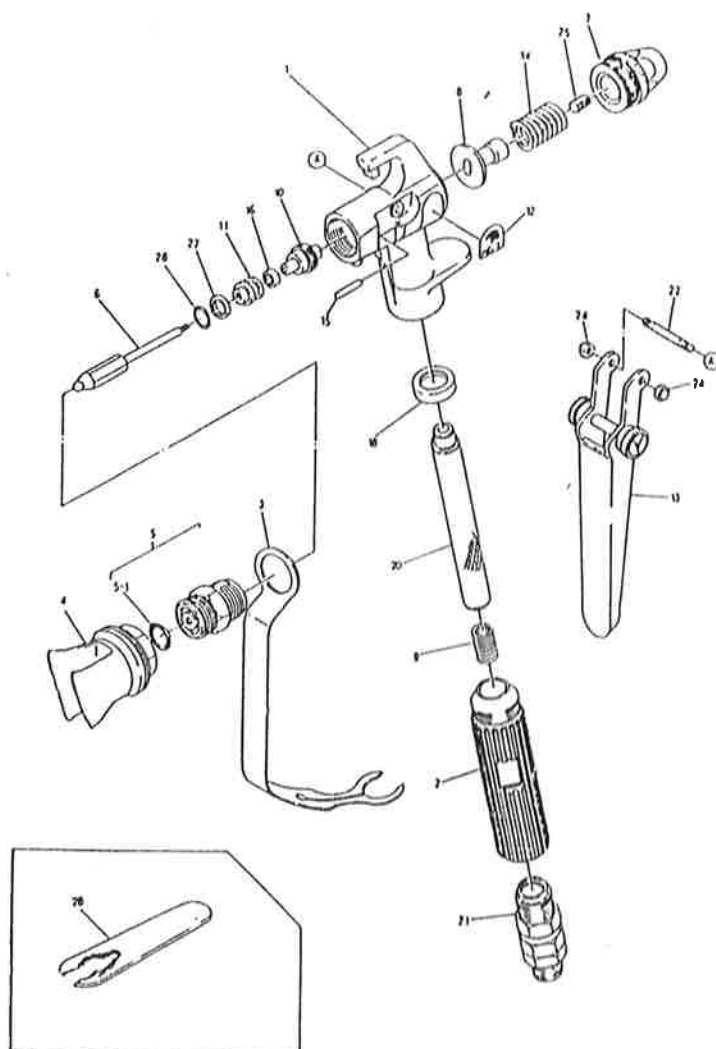
MODEL < MG-7 >

CAUTION

READ INSTRUCTION CAREFULLY before assembling components and operating sprayer. Incorrect procedure can damage the unit and cause serious injury. When spraying flammable materials, pump must be placed at least 20 meter from spray area and be well ventilated.

MAKE GROUNDING at the airless pump and use a metal-braided or grounding-wired material hose.

ASAHI SUNAC CORPORATION



KEY	PARTS NO.	PARTS NAME	Q'TY	REMARK	KEY	PARTS NO.	PARTS NAME	Q'TY	REMARK
1	1294-001	BODY	1		13	1294-013	TRIGGER SET	1set	
2	1294-002	GRIP	1		14	1294-014	SPRING	1	
3	1294-003	HAND GUARD	1		15	1294-015	PUSHER PIN	2	
4	1257-019	TIP GUARD ASSEMBLY	1set		※16	1294-016	U-PACKING	1	
※5	1294-005	SEAT HOUSING	1set		※18	1245-018	PACKING	1	
※5-1	101-2009	O-RING	1		※20	1294-020	FILTER	1	
※6	1294-006	NEEDLE	1		※21	2893	UNIVERSAL JOINT	1set	
7	1294-007	END CAP	1		22	1294-022	TRIGGER PIN	1	
8	1294-008	PUSHER	1		24	28-10300	HEX. CAP NUT	2	
9	1294-009	SPRING	1		25	1294-025	SCREW	1	
10	1294-010	PACKING RETAINER	1		※28	101-8007	O-RING	1	
11	1294-011	PACKING CASE	1		※27	153-2007	BACK-UP RING	1	

※ Recommended spare parts always in your hands.

TOOL

KEY	PARTS NO.	PARTS NAME	Q'TY	REMARK
28	3511-101	WRENCH	1	

WARNING

- INJECTION HAZARD — Airless painting equipment can cause serious injury if the spray penetrates the skin. Do not point the gun at anyone or any part of the body. In case of penetration, seek medical aid immediately.
- COMPONENT RUPTURE — This Gun is capable of producing 250 kgf/cm². To avoid rupture and injury, operate this Gun rated at less than 250 kgf/cm² working pressure.

GENERAL SAFETY INFORMATION

1. Airless spray equipment develops high fluid pressure and mishandling can cause serious injury if spray pattern penetrates skin.
2. The spray gun should never be handled carelessly, nor spray directed toward any part of the body. Keep your hands and fingers away from spray gun nozzle tip.
3. Never attempt to change nozzle without releasing fluid pressure, and locking the spray gun trigger in "OFF" position.
4. Never leave the airless sprayer without releasing fluid pressure, and locking the spray gun trigger in "OFF" position.
5. Both the airless unit and object being sprayed must be grounded electrically. All high pressure hose grounds gun to the pump when tightly connected. Set the paint pressure of the coating machine to the lowest, and carry out painting work.
6. Pressure between 100 to 150 kgf/cm² is used mostly but never exceed a pressure of 250 kgf/cm².

Note 1. When mixing paint, read the instructions attached to each paint and solution well to take an appropriate procedure.

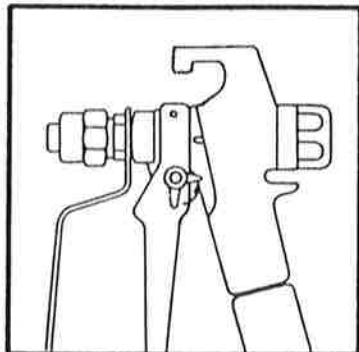
Note 2. Always keep the nozzle and around it clean.

After the work, detach the nozzle from the gun and wash it clean.

Note 3. Do not immerse the entire gun into thinner.

This will wash off the lubricating oil such as grease, etc. and damage the packing.

Safety Device of the Spray Gun



SPRAYING "OFF"

With the safety lock being locked, the trigger can not be pulled.

MAINTENANCE

1. Washing of the screen (20)

- 1) Release fluid pressure in the gun.
 - 2) Pull the lower part of the hand guard (3) toward you to remove it from the universal joint (21).
 - 3) Remove the gun grip by hand or a spanner and take the screen out.
Wash the screen with a brush soaked in solvent. And afterward, air blow to finish cleaning.
- * Too much dirt accumulated may clog the screen. This will make the screen unable to reuse.
 - * The screen of 60 mesh is provided as a standard. There are 60, 100 and 200 mesh screen.
Choose right one according to the size of nozzle.

2. Replacement of worn parts

- 1) Remove the end cap (7) and the spring (14).
- 2) Loose the pusher (8) with a spanner and pull it backward by hand, and the needle assembly can be removed together with the pusher.
- 3) Hold the end of the pusher with a spanner and unscrew the needle (6) with another spanner, and disassemble the needle assembly.
- 4) Replace worn parts to new ones, such as the needle, U-packing (16), O-ring (26), back-up ring (27), on the assembly.
- 5) Reassemble the needle assembly after replacement. In this case, tighten the needle gently screwing into the pusher. Too strong tightening may cause the threaded shaft of the needle damaged.
- 6) Set the needle assembly, the spring (14) and the end cap on the gun body.
Now, replacement is completed.

3. Check of leakage at the seat housing

- 1) Check if there is no leakage at the seat housing (5) with thinner test.
If leaking, adjust length of the needle assembly with the set screw (25) at end of the pusher in order for the needle to seat properly.
- 2) Check seat part of the seat housing (5) if there is any damage or and hering of solid refuse in point. If so, replace the seat housing to new one or remove the refuse.



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