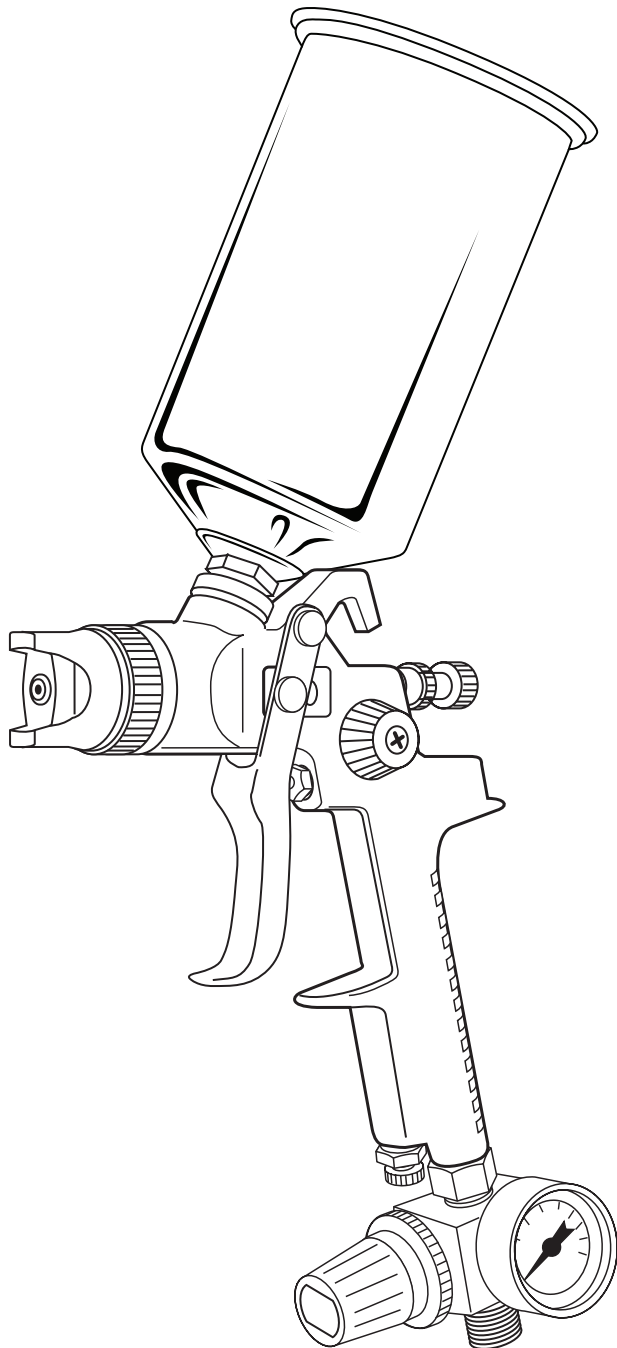


Gravity Feed HVLP Spray Gun

Stock Numbers M706 & M707

OWNER'S MANUAL



FOR YOUR SAFETY,
please read these instructions carefully and retain them for future use.

**Performance
Tool®**

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SPECIFICATIONS

*Operating Pressure	15 - 45 PSI
Spray pattern	3" - 7"
Spray Head & Needle	1.3 mm (M706 & M707)
	1.5 mm (M706 & M707)
	1.7 mm (M707)
Cup capacity	1000 ml.
Avg. air consumption	7.0 - 9.0 CFM
Fluid inlet	3/8" NPS
Air inlet	1/4" NPS
Hose size	3/8" I.D.

Controls:

- Spray pattern, fluid flow and inlet air pressure
- All purpose gun sprays primers, base coats, sealers, clear coats
- Fully adjustable spray pattern
- Locking pressure regulator with pressure gauge
- 1000 ml paint cup
- Includes wall hanger, multi-wrench, cleaning brush, socket and fluid filter

Specifications are subject to change without notice

* HVLP NOTICE

This High Volume Low Pressure (HVLP) compliant spray gun was designed to provide maximum transfer efficiency by limiting air cap pressure to 10 PSI when used properly.

To maintain a maximum air cap pressure of 10 PSI at the nozzle, use a maximum of 36 PSI at the inlet.

IMPORTANT SAFETY INFORMATION

Read all safety warnings before operation.

WARNING!

Failure to heed these warnings may result in personal injury or property damage.

WARNING!

All persons in the work area must always wear approved eye and ear protection and approved breathing apparatus when this spray gun is in operation.

Never aim spray gun at anyone. Do not spray near sparks, open flame, lit cigarettes, pilot lights, space heaters or any other potential ignition source. **DO NOT SMOKE IN WORK AREA.**

Follow manufacturers instructions and safety information to ensure safe handling and proper use of paints, lacquers, thinners, base coats, etc. Do not use latex or other heavy paints. They are not recommended for this spray gun.

Warning! Solvents 1,1,1-Trichloroethane and Methylene Chloride (Dichloromethane - sometimes called Methylchloride) can chemically react with the Aluminum used in most spray equipment creating an explosion hazard. Read the label or data sheet from the material you intend to spray. **NEVER USE ANY MATERIAL CONTAINING THESE SOLVENTS.** If unsure as to the composition of your material, check with your supplier. Do not use acids for cleaning.

Always keep work area free from obstructions and well ventilated.
Always disconnect spray gun from air source before disassembly.

MAINTENANCE and INSPECTION

Clean gun before and after each use. To protect the precision machined internal parts and fittings in this gun from corrosion during shipping, some oils or other corrosion resistant agents may have been applied. It is important to remove any such residue before attempting to use the gun. To clean, place a small amount of appropriate thinner into paint cup and spray through gun while pulling and releasing trigger repeatedly. Wipe exterior of gun, nozzles and paint cup. In some cases, if the gun becomes clogged, disassemble completely and soak all parts in thinner. After soaking, use wire and cleaning brush to clear small internal passages. Check and clean paint cup filter. Replace if worn.

A clean air source is imperative to ensure peak performance. The use of an in-line air filter is highly recommended to keep any contaminants from entering the spray gun.

Inspect all fittings and hardware to ensure proper seating. Be sure air line fittings are tight with no leaks. Replace any worn parts as necessary.

Check needle and nozzles for nicks, scratches or burrs. Any such conditions will seriously impair performance. Replace as necessary.

OPERATION

STEP 1.

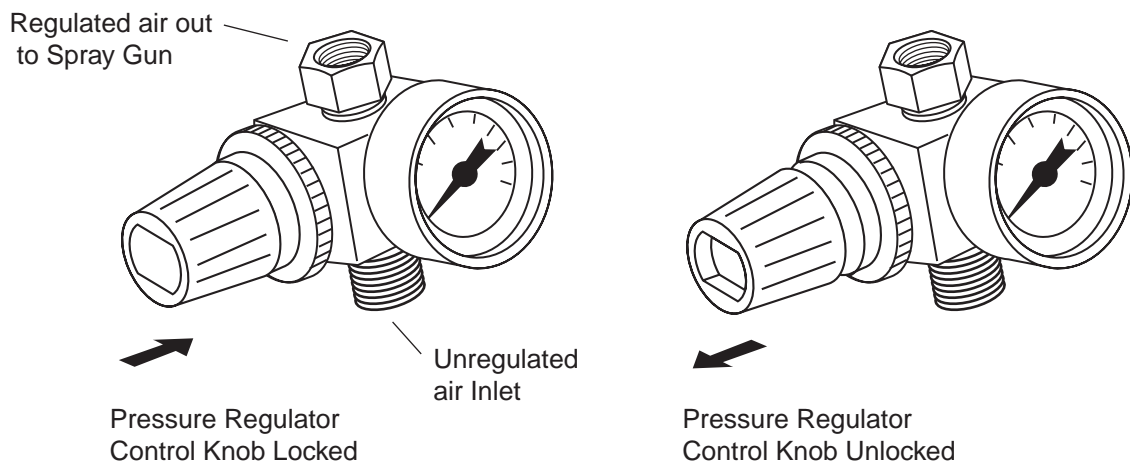
Inlet Air Pressure Regulation

Assemble components of spray gun and connect to clean air source as described above.

Set inlet air pressure to between 20 and 30 P.S.I. to begin adjustments.

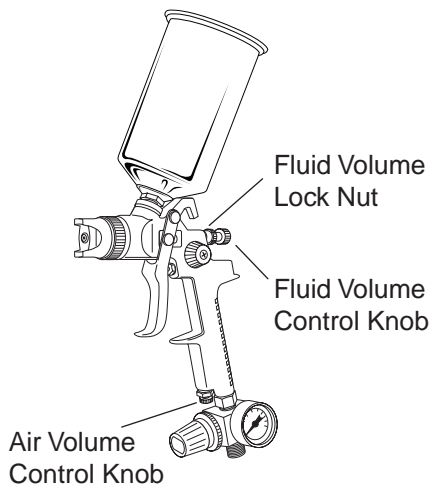
(This is a good operating inlet pressure suitable for most applications, however, depending on materials being sprayed and other external factors such as temperature, humidity, etc., you may need to come back to this step and increase or decrease pressure as needed after attempting adjustments in step 2.)

Inlet pressure is adjusted by turning the Pressure Regulator Control Knob. Knob must first be pulled out to unlock. Turning knob clockwise increases pressure, turning knob counter-clockwise decreases pressure. Once desired pressure is reached, push the knob back in to lock the adjustment.



OPERATION

STEP 2.

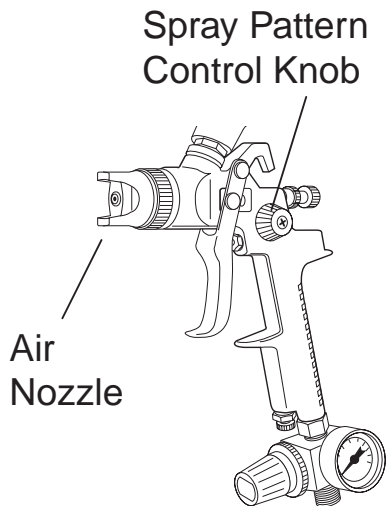


Air and Fluid Volume Controls - These two controls are used in conjunction with each other to accurately adjust air/fluid (Paint) ratio and will vary for different paints. Changing one control affects the other so alternating back and forth between them to fine tune your adjustment will yield optimum results.

Air Volume Control - Air volume is adjusted by turning the Air Control Knob. Turning knob in reduces volume, turning knob out increases volume.

Fluid Volume Control - Fluid volume is adjusted by turning the Fluid Volume Control Knob. Turning knob in decreases volume, turning knob out increases volume. Once a satisfactory volume is set, you can lock the adjustment by turning the lock nut in tight.

STEP 3.

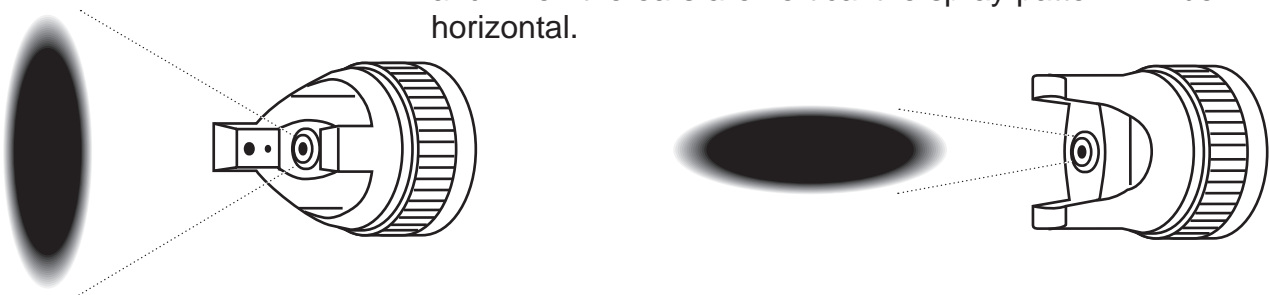


Spray Pattern Control

Pattern Shape - The shape of the spray can be adjusted from a round pattern to a flat pattern by turning the Pattern Control Knob. Turning knob in rounds the pattern, turning knob out flattens the pattern.

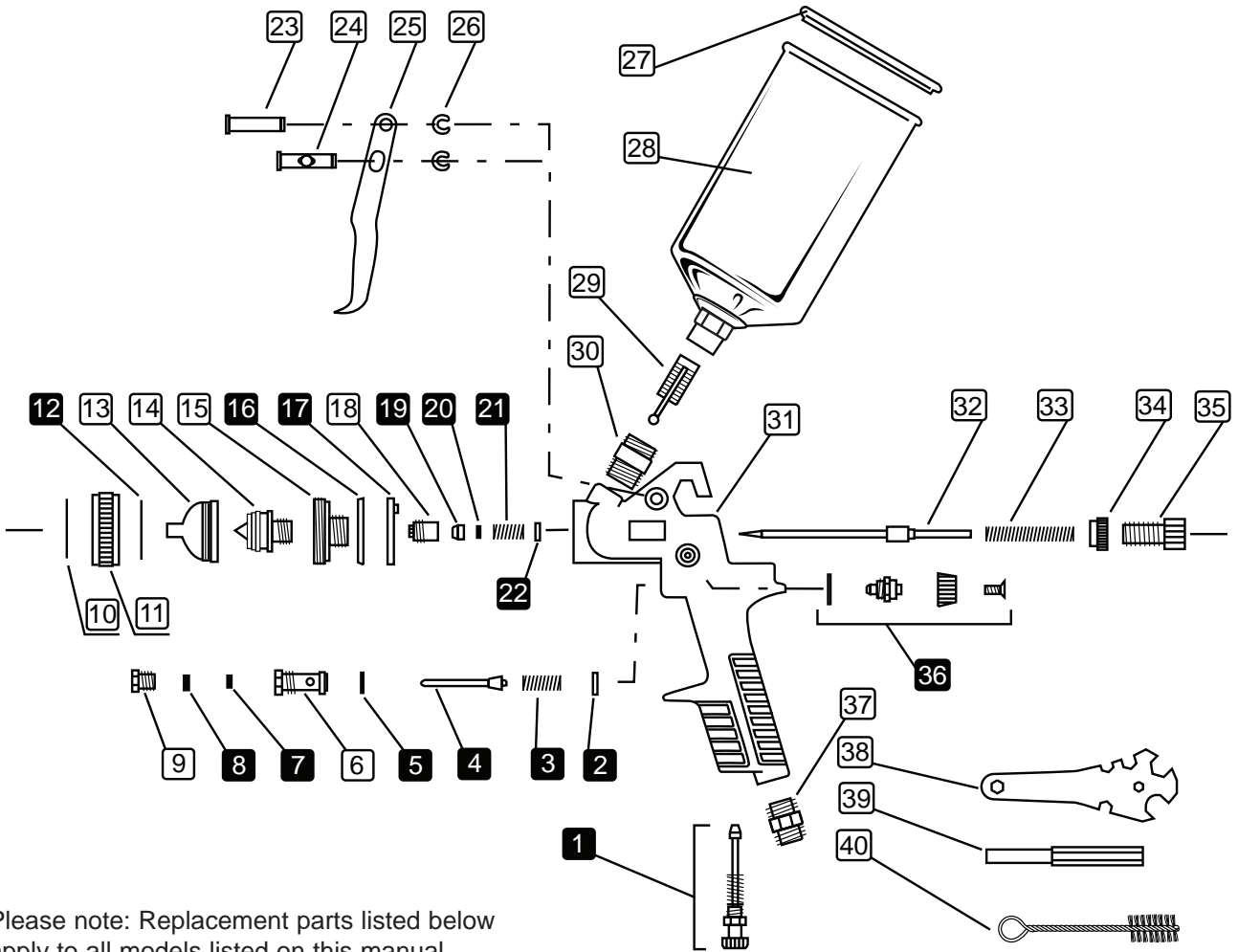


Pattern Orientation - A flat or semi-round spray pattern can be adjusted to any angle from horizontal to vertical by turning the Air Nozzle. Pattern is perpendicular to "ears" on nozzle. That is, when the ears are horizontal, the spray pattern will be vertical and when the ears are vertical the spray pattern will be horizontal.



PARTS DRAWING

M706 and M707 Production Spray Guns


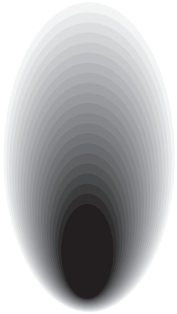
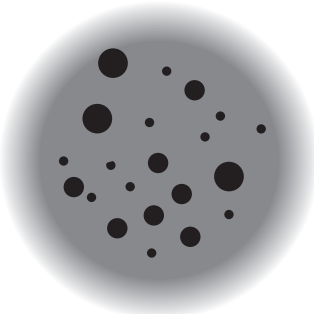


Please note: Replacement parts listed below apply to all models listed on this manual.

#	PART DESCRIPTION	QTY.	#	PART DESCRIPTION	QTY.
1	Air Adjustment Valve.....	1	21	Locking Spring	1
2	Gasket	1	22	Gasket.....	1
3	Air Valve Spring.....	1	23	Trigger Pin - Pivot.....	1
4	Air Valve Piston Shaft	1	24	Trigger Pin - Fluid Needle	1
5	O-Ring	1	25	Trigger.....	1
6	Air Valve Seat	1	26	Retaining Ring.....	2
7	O-Ring	1	27	Lid	1
8	Pliable Packing Washer.....	1	28	Cup	1
9	Air Valve Packing Nut	1	29	Fluid Filter.....	1
10	Air Cap Retention Ring.....	1	30	Fluid Inlet Fitting.....	1
11	Air Cap Locking Ring.....	1	31	Gun Body.....	1
12	Air Cap Washer	1	32	Fluid Needle.....	1
13	Air Cap.....	1	33	Fluid Needle Spring.....	1
14	Fluid Nozzle.....	1	34	Fluid Adjustment Locking Ring	1
15	Air Manifold	1	35	Fluid Adjustment Knob	1
16	Tapered Washer	1	36	Pattern Adjustment Valve	1
17	Air Manifold Spacer	1	37	Air Inlet Fitting	1
18	Retention Screw.....	1	38	Gun Wrench.....	1
19	Paint Needle Washer	1	39	Internal/External Hex Wrench.....	1
20	Sealing Washer	1	40	Brush.....	1

TROUBLESHOOTING

Your spray gun was constructed with quality materials and workmanship and will give you many years of trouble free use when cared for as described in the "Maintenance and inspection" section on page 4. However, as with any mechanical device, periodic adjustments are necessary to maintain a peak level of performance. Should your spray gun be displaying any of the following symptoms, the simple procedures shown below will correct the problem.

Problem:	Probable Cause:	Solution:
	<p>Half-Moon Shaped Pattern This is usually caused by clogged air holes on the Air Nozzle ears.</p>	<p>Carefully clean out holes with wire after soaking in thinner.</p>
	<p>Irregular or Offset Pattern This can be caused by</p> <ol style="list-style-type: none"> 1. A dirty or damaged Needle tip or Fluid Nozzle 2. Clogged atomization holes on Air Nozzle around the center 	<ol style="list-style-type: none"> 1. Clean or replace Needle or Fluid Nozzle. 2. Clean Air Nozzle
	<p>Spitting</p> <ol style="list-style-type: none"> 1. Too little material in cup 2. Loose Fluid Nozzle 3. Damaged Needle Packing 4. Dirty or damaged Needle & Nozzle Set. 	<ol style="list-style-type: none"> 1. Refill cup 2. Tighten Nozzle 3. Replace Packing 4. Clean or replace parts
	<p>Material in cup bubbles or "Boils"</p> <ol style="list-style-type: none"> 1. Loose, clogged or damaged Fluid Nozzle 2. Loose, clogged or damaged Air Nozzle 	<ol style="list-style-type: none"> 1. Clean, tighten or replace 2. Clean, tighten or replace

LIMITED WARRANTY

Performance Tool extends only the following warranties, and only to original retail purchasers. These warranties give specific legal rights. Except where prohibited by local law, the law of the State of Washington governs all warranties and all exclusions and limitations of warranties and remedies. There may be other rights which vary from state to state.

Performance Tool warrants this product to be free from defects in materials and workmanship under normal use and service. A defective product may be returned for a free replacement within 90 days from the date of purchase, provided that product is returned to place of purchase immediately after discovery of defect. After 90 days and up to 1 year from date of purchase, Performance Tool will replace at no charge any parts which our examination shall disclose to be defective and under warranty.

Exclusions:

These warranties exclude blades, bits, punches, dies, bulbs, fuses, and other consumables which must be replaced under normal use and service. These warranties shall not apply to any product or part which is used for a purpose for which it is not designed, or which has been repaired or altered in any way so as to affect adversely its performance or reliability, nor shall these warranties apply to any product or part which has been subject to misuse, neglect, accident or wear and tear incident to normal use and service.

Performance Tool does not authorize any other person to make any warranty or to assume any liability in connection with its products.

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On occasion, after printing of our literature is completed, the manufacturers may make changes and/or modifications to their product which won't be reflected in this manual. Although we strive to maintain complete and accurate information, it is possible in certain instances that the product may differ slightly from printed specifications.