



Model 200A

Manual Spray Gun

OPERATING INSTRUCTIONS AND REPLACEMENT PARTS

DESCRIPTION:

The **200A** Series Manual Spray Gun can be used with light to medium consistency materials for touch-up, shading and finishing of small parts. This Model can spray a range of materials to include light lacquers or latex. **When using Extensions, material must be pressure fed for proper application.**

AIR AND FLUID CONNECTIONS:

Air Inlet 1/4" N.P.T. (M) and Fluid Inlet 1/4" N.P.S. (M).

PACKING WASHERS are Leather Packings see parts list Page 3.

OPERATION:

1. Before using, blow out air hoses with compressed air to remove foreign particles.
2. Connect airhose to air inlet at bottom of handle.
3. Keep connections tight, any leakage of air will impair operation of Spray Gun and waste air pressure.
4. **Siphon Cup:** Attach Cup to the 1/4" N.P.S. threaded fluid inlet.
5. **Pressure Tank:** When fluid hose is coupled directly to fluid inlet of Spray Gun, HA-1/4 Fluid Hose with HAC-1/4 and HAC-1/4-3/8 Couplings should be ordered. Attach HAC-1/4-3/8 Coupling to fluid outlet of tank.
6. To control Fluid, adjust the 200-17 Fluid Knob.
7. A fan Spray Head is used for broad patterns. Stipple effects can be obtained by reducing atomizing pressure until dots are produced.
8. A round pattern Spray Head is used for narrow work, stippling, stenciling and shading.
9. As width of pattern increases flow of material must be increased proportionately, using pressure, to obtain fast coverage of larger areas. By proper adjustment, patterns up to 6", may be obtained with size 3 Spray Head Components.
10. Grip Spray Gun like a pistol, placing two fingers on the trigger. The first one-quarter pull releases air only, this can be used for cleaning and dusting surfaces before painting. Continued pull on the trigger opens the fluid needle and a full wide fan pattern can be achieved.

WARNING: Spray materials may be harmful if inhaled or allowed to come into contact with the skin or eyes. Consult the product label and Material Safety Data Sheet supplied for the spray material. Follow all safety precautions.
CAUTION: Well Ventilated Area Required to remove fumes, dust or overspray. Secure airhose and fluid hose wrench tight for safety and to prevent leaks.
Maximum Air Pressure 100 P.S.I.
Maximum Fluid Pressure 45 P.S.I.

11. Begin painting with as light a coat as possible. Take long strokes from side to side, releasing trigger at the end of each stroke. Check to make sure each stroke meets without much overlapping which can cause material to run. For general painting hold the Spray Gun with head approximately 2" to 6" from the surface. For narrow lines, approximately 1" to 2", use a short trigger pull and hold Spray Gun close to surface. To obtain a wider spray, pull trigger back while gradually drawing the head of the gun away from surface until desired width of pattern is reached.

TROUBLE SHOOTING SPRAY PATTERNS:

- A. **A ROUGH OR STIPPLE FINISH** is due to low or restricted flow of air pressure or heavy materials being applied with the spray gun too close to surface.
- B. **A WET OR SAGGING FINISH** is due to low air pressure or restricted flow of air, material being too thin or applied too close to the surface.
- C. **A SPATTERING SPRAY** is caused by air leaking into fluid line or can be caused by a loose fluid tip, a broken or split tip, lumpy material, a clogged vent hole in cover of material cup, air leak at fluid pipe attached to inside of tank cover, or a clogged paint strainer.
TO CORRECT: Tighten tip securely or replace. Strain material and clean strainer. Spattering might also be caused by worn packing washers, or worn or scored needle.
- D. **AN ARCHED FAN SPRAY PATTERN** is caused by dried material accumulated in one fan port of the multiplehead, distorting the pattern.
TO CORRECT: Dissolve material inside fan port with suitable water/solvent applied with a small brush.
Never use wire or sharp instruments to clean fan ports as permanent damage to the air ports will result in altering uniformity of the fan spray pattern.
- E. **UNBALANCED FAN SPRAY PATTERN**, heavy on one side, may be caused by material collecting around outside of the fluid tip and aircap, or by a loose aircap.
TO CORRECT: Remove aircap and clean fluid tip and aircap with water/solvent, dry with air pressure. Always be sure fan aircap and aircap body is tightened securely.
- F. **A HEAVY CENTER** in a fan pattern is caused by insufficient air pressure at the fan port. Rough or shady edges are also caused by low air pressure.
TO CORRECT: Increase air line pressure.
- G. **A SPLIT FAN SPRAY PATTERN**, heavy on each end and light in the center, is caused by excessive air pressure.
TO CORRECT: Reduce air pressure.

SPRAY PATTERNS:



Paasche Airbrush Company
4311 North Normandy Avenue
Chicago, IL 60634-1395
Phone: 773-867-9191 • Fax: 773-867-9198
Website: paascheairbrush.com
E-Mail: info@paascheairbrush.com

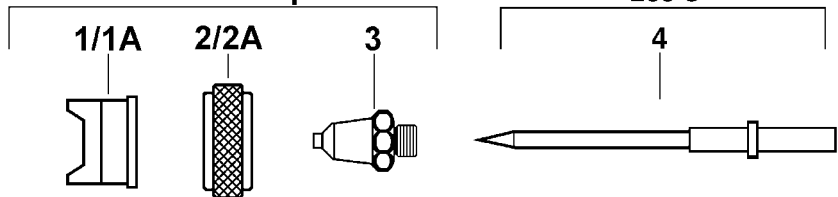
Spray Heads for the **200A** Manual Spray Guns are available in several different styles, some of which are available with Stainless Steel components. The C.F.M. requirements range from .25 to 3 C.F.M. @ 30 lbs. air pressure. NOTE: When either fluid Tip or fluid Needle is worn and requires replacement, it is recommended that both items be changed for best results. All Tips and Needles are made using 303 Stainless Steel.

- **Sizes:** 000/0, 1, 2 or 3
- **Application:** General Light Painting, Touch-up and Decorating.
- **Fluid Viscosity:** Light
- **Atomization:** External

External - Fan Pattern Components

1. **ANFA-** Fan Aircap (Select Size: 000/0, 1, 2 or 3)
- 1A. **ANFAS-** Stainless Fan Aircap (Select size: 000, 0, 1, 2 or 3)
2. **AU-12** Aircap Nut
- 2A. **AUS-12** Stainless Aircap Nut (Optional)
3. **AU-** Stainless Tip (Select Size: 000, 0, 1, 2 or 3)
4. **200-8** Stainless Needle

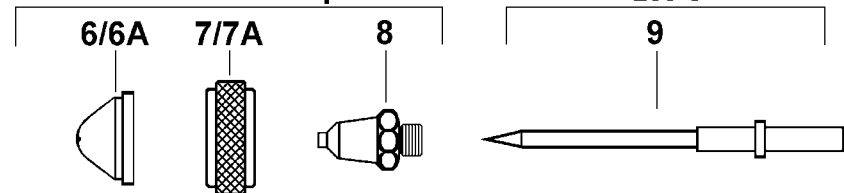
Fan Pattern Components

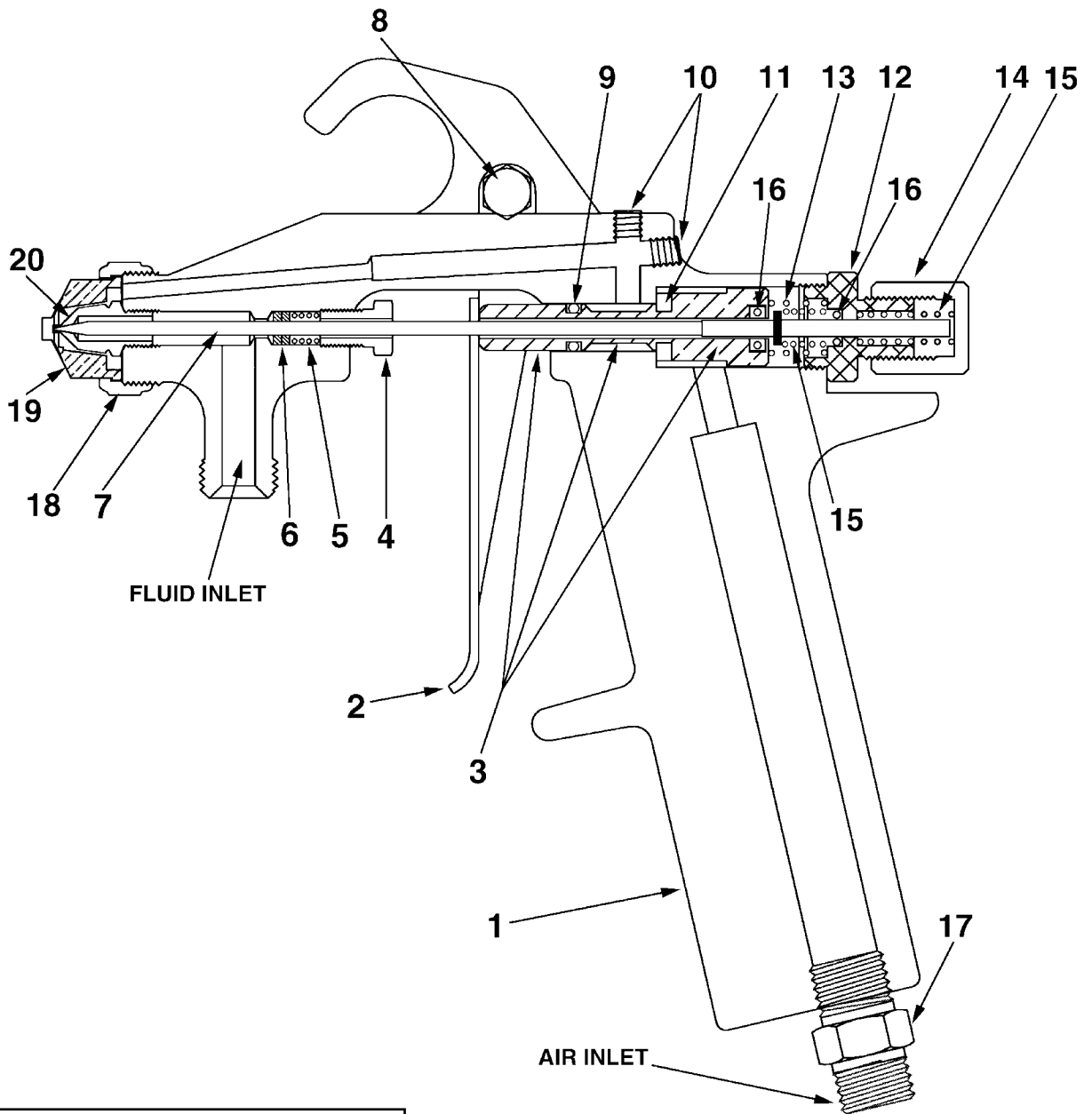


Internal - Round Pattern Components

6. **AR-15-** Round Aircap (Select Size: 000/0, 1, 2 or 3)
- 6A. **ASR-15-** Stainless Round Aircap (Select Size: 000, 0, 1, 2 or 3)
7. **AU-12** Aircap Nut
- 7A. **AUS-12** Stainless Aircap Nut (Optional)
8. **AU-** Stainless Tip (Select Size: 000, 0, 1, 2 or 3)
9. **200-8** Stainless Needle

Round Pattern Components



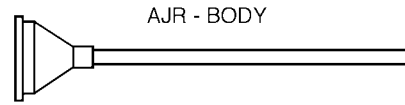
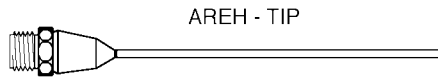


Model 200A Components

<u>NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>
1.	200-1	Gun Body
2.	200-2	Trigger
3.	200-3	Spool w/"O" Rings
4.	200-4	Packing Nut
5.	200-5	Packing Spring
6.	200-6	Leather Packings (2)
7.	200-8	Needle
8.	200-9	Trigger Screw (2)
9.	AE-43	"O" Ring
10.	200-11	Allen Screw (2)
11.	200-12	Air Seal

<u>NO.</u>	<u>PART NO.</u>	<u>DESCRIPTION</u>
12.	200-15	Spring Housing
13.	200-16	Air Spring
14.	200-17	Fluid Knob
15.	200-18	Fluid Spring
16.	H-006	"O" Ring (2)
17.	HF-33	Coupler
18.	AU-12	Aircap Nut
19.	ANFA-	Aircap (Select Size) 000/0, 1, 2 or 3
20.	AU-	Tip (Select Size) 000, 0, 1, 2 or 3

NOTE: See page 2 for other Aircaps



Micro Extensions for coating inside small diameters. Will handle most light viscosity fluids. Specify **200-23 Needle**.

200A Model Accessories

- 79. **AEN-45** 45° Elbow
- 80. **AEN-90** 90° Elbow
- 82. **AN** Nylon Washer

AE- Extensions (For Fan and Round - Heads Only)

• Length Sizes: -3" -6" -12" -18" -24"

- 81. **AE-** Extension L/Needle (Select Size)

AX- Stainless Steel Extensions (AX- Aircaps & Tips Only)

• Length Sizes: -3" -6" -12" -18" -24"

- AX-** Extensions L/Needle (Select Size)

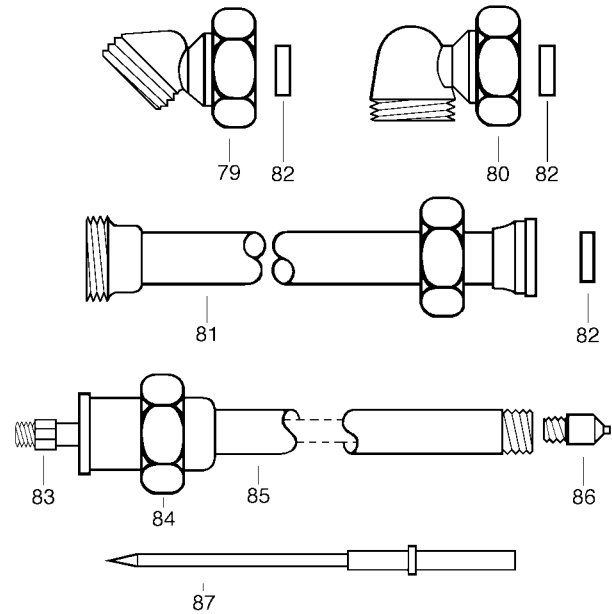
- 83. **U-2831-** St. St. Inner Tube (Select Size)
- 84. **AUF-29** Swivel Nut
- 85. **U-2832-** St. St. Outer Tube (Select Size)

AU- St. St. Extension Needles (AE- and AX- Extensions)

• Length Sizes: -3" -6" -12" -18" -24"

- 87. **200-27-** St. St. Extension Needle (Select Size)

All AX Aircaps must use a Pressure Feed Cup or Pressure Tank to feed material being sprayed. Always adjust atomizing air pressure higher than fluid air pressure.



AX- Style Tip and Aircaps (AX- Extension Only)

- 86. **AX-1** Tip
- 88. **AXR** Aircap (External Round)
- 89. **AXF** Aircap (External Fan)
- 90. **AXIF** Aircap (Internal Fan)
- 91. **AXIF-90** Aircap (Internal Fan)
- 92. **AXIF-45** Aircap (Internal Fan)
- 93. **AXIB** Aircap (Spherical)
- 94. **AXI-360** Aircap (Radial Dial)
- 95. **AXIF-1-90-ASC** Aircap (Internal Fan)
- 96. **AXIR-15** Aircap (Internal Round)
- 97. **AXIR-90** Aircap (Internal Round)

