Paasche Airbrush Co:

Automatic Spray Guns w/ Extension

A-AUNF-E3

A-AUAX-3

A-AUAX-3D

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.

DESCRIPTION:
The A-AU Automatic Spray Gun, is a light duty air actuated production spray gun with spray extension. It will cover a range of materials to include light lacquers, latex, acid or corrosives. **When using Extensions, material must be pressure fed from a pressure tank.**

CONNECTIONS:
Connections to the gun are: Air Inlet 1/4" N.P.T. (F) and Fluid Inlet 1/4" N.P.T. (M). A-AU Automatic Spray Gun dimensions are: 5-1/8" (L) x 2-1/4" (D). Packings and piston are PTFE.

Spray Heads for the A-AU Automatic 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.

OPERATION:
1. Mount Gun in desired position
2. Before installing, blow out air hoses with compressed air to remove foreign particles.
3. Connect hose from air supply to air inlet fitting.
4. Connect fluid hose to fluid inlet supply.
5. Tighten all hose connections securely.
6. Adjust air pressure to 40-55 P.S.I. at the Air Regulator.
7. Adjust fluid pressure to 20 PSI minimum. Set up to 40 PSI for thicker fluids. Always set at least 5 PSI higher than air.
7. Adjust fluid volume by turning the #11 Fluid Adjusting Knob to the left or right.

NOTE: DO NOT USE #7 AS A SHUT-OFF BY TURNING ALL THE WAY DOWN - IT MAY SPLIT THE TIP.

TIP REMOVAL:
1. Turn off Air and Fluid Pressure.
2. Release Needle pressure from the seat of Tip, by backing off the #7 Fluid Adjusting Knob approximately 5 turns, then removing #7 Cylinder Cap Assembly.
3. Loosen AU-12 Aircap Nut and remove Spray Head Assembly. **Leave Needle In Place.**
4. Unscrew AU-Tip. Place New AU-Tip in position.
5. To replace, reverse above procedure.

MAINTENANCE:
Requirements of the A-AU Automatic Spray Gun have been reduced to a minimum. (Old Packing Washers cause leakage of Air or Fluid and replacement should be made). Nylon Packings are self-lubricating. Flush clean solvent through the Fluid passages of the Spray Gun and Wipe off the outside with clean solvent. Never leave the entire Spray Gun immersed in solvent. Dirty Aircaps and Tips should be cleaned by soaking in solvent and blown clean with air.

CLEANING:
TROUBLE SHOOTING SPRAY PATTERNS:

(A) **A ROUGH OR STIPPLE FINISH** is due to low or restricted flow of air pressure or too heavy materials being applied with 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, applied too close to the surface.

(C) **A SPUTTERING 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 materials and clean strainer. Sputtering 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 fan aircap distorting the pattern.

TO CORRECT: Dissolve material inside fan port with suitable solvent applied with a small brush.

NOTE: Never use wire or sharp instruments to clean fan ports as permanent damage to the air ports will result in destroying uniformity of the fan 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 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.

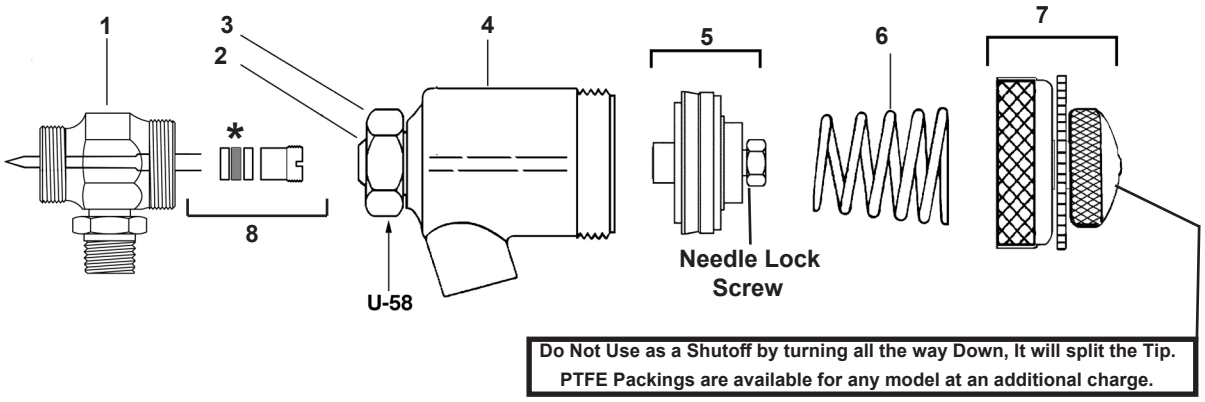
(H) **AIR BACKFLOWING INTO THE PRESSURE TANK**
Caused by fluid pressure being higher than air pressure or fluid tip not being wrench tight enough.

SPRAY PATTERNS:



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Phone: 773-867-9191 • **Fax:** 773-867-9198
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Printed in the U.S.A.

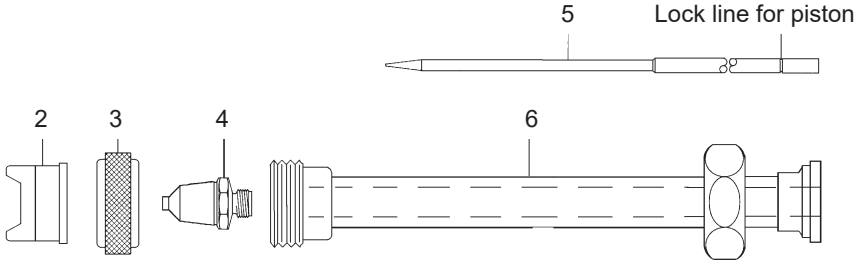


No.	Part No.	Description
1.	AU-8B	Fluid Body
2.	U-3632	Small O-ring
3.	U-3633	Large O-ring
4.	U-1907B	Cylinder Shell
5.	U-3656	PTFE Piston Assembly
6.	U-2966	Piston Spring
7.	U-2686A	Rear Cap Assembly
8.	U-3687	Packing Set

*(Packing Assembly) Nylon/Stainless/Nylon

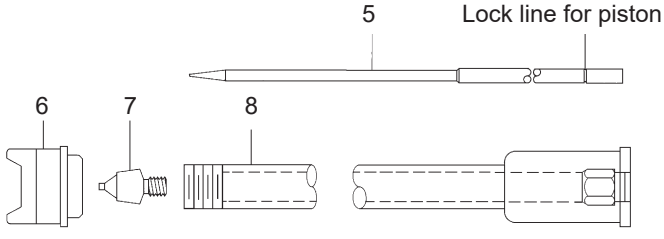
A-AUNF-E3

2. **ANFA-3** Aircap
3. **AU-12** Plated Aircap Nut
4. **AU-3** Tip
5. **A-AU-3** Needle
6. **AE-3E** Extension



A-AUAX-3

6. **AXNFA-3** Aircap
7. **AXNT-1** Tip
8. **AX-3** Extension
5. **A-AU-3** Needle



A-AUAX-3D

9. **AXIF-D** Aircap
10. **AX-1** Tip
8. **AX-3** Extension
5. **A-AU-3** Needle

