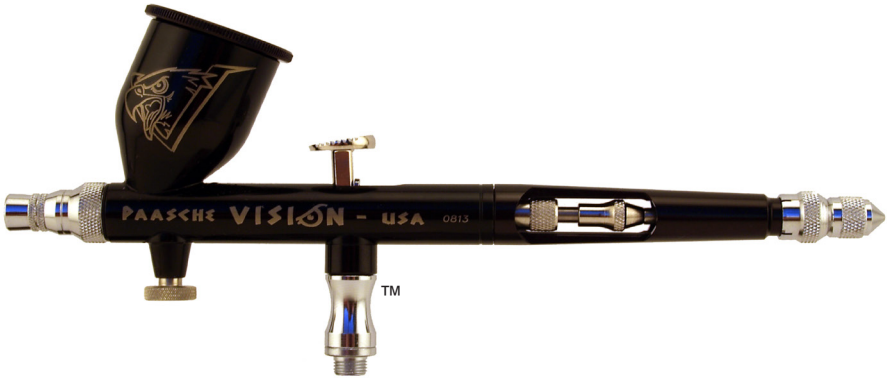
WARNING: Spray materials may be harmful if inhaled or allowed to come into contact with the skin or eyes. Consult the product label and Material Safety Data Sheet supplied for the spray material. Follow all safety precautions. **CAUTION:** Well Ventilated Area Required to remove fumes, dust or overspray.
Maximum Air Pressure 75 P.S.I.

Paasche®

TGX-VISION

Gravity Feed - Internal Mix - Double Action Airbrush



Introduction:
The Paasche® Vision Airbrush offers the ultimate in control and detail. It comes installed with Paasche's smallest .2mm head which is paired with a hand polished hardened stainless steel needle. In addition we have added the atomization control Valve which gives finger tip control of you atomizing air. The newly designed sloped trigger improves comfort and grip.

TGX Specifications:
- Dual action
- Head size .2mm with hand polished stainless steel needle
- Atomization control valve
- .4 ounce gravity cup
- Hair line to 1-1/2 inches
- Crown cap
- Cutaway handle with pre-set needle stop
- New trigger with sloped and grooved button
- Black chrome finish
- PTFE needle packing

Options for the Vision:
.25mm head (TT-1 tip, TN-1 needle and TA-1 Aircap) - Great for jobs requiring the extremely fine detail
.38mm head (TT-2 tip, TN-2 Needle and TA-2 Aircap) - For slightly thicker paints where fine detail is still needed
.66mm head (TT-3 tip, TN-3 Needle and TA-3 Aircap) - Great for spraying metallics, pearlescent and thicker paints
.66mm fan aircap (TAF-3 Aircap, TN-3 Needle and TT-3 tip). Will give a 2-1/2 to 3 inch flat pattern for covering larger areas

Working Pressures:
- Operating pressures 15-55 PSI; Maximum pressure 75 PSI. Fan aircap needs 20 PSI or more.
- 20-30 PSI is best for detail spraying w/ properly thinned paint
- Use the higher pressures for thicker material where fine detail is not critical or thin the paint to allow lower pressures.

Equipment Setup:
The Airbrush is held in the same manner as a pen, with the index finger comfortably over the finger button.
1. Attach air hose to air supply and to airbrush. If, using a regulator set pressure between 20-55 PSI.

Airbrush Operation:
1. Press down on Finger Button to release air and pull back on button to control quantity of color.

2. To spray a fine line without heavy ends, start moving the airbrush without release of color. Then start the color at the beginning of line and stop the color at the end, but continue the motion of the airbrush after the color has stopped.

3. Practice this movement until you can spray a fine line or a broad pattern without heavy build up at the beginning or end of your strokes.

4. Speed of movement controls density of color and fading effects at beginning and end of strokes.

5. For detail, hold the airbrush very close to the surface, push down for air and pull back very slowly on the Finger Button to release a small amount of paint.

6. For background work and broad effects, hold the airbrush away from the work surface and pull back on Finger Button to release required amount of color.

7. For stippling use the atomization control screw to reduce your atomizing air so the paint is not fully atomized. From there adjust paint thickness and air pressure to achieve desired spray pattern.

Paasche Airbrush Company
9511 58th Place Kenosha, WI. 53144

Phone: 773-867-9191
Website: paascheairbrush.com
E-Mail: info@paascheairbrush.com

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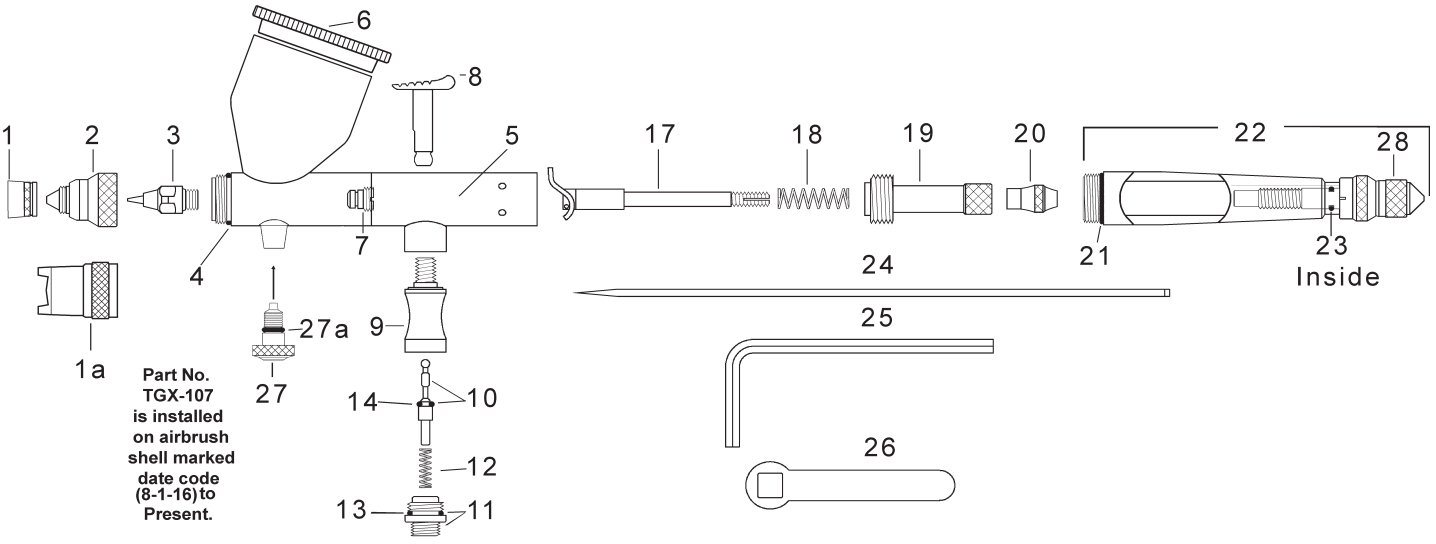

NO.	PART	DESCRIPTION
1.	XI-41	Crown Cap
1a.	TAF-3	Fan Aircap for .66mm head (uses TT-3 and TN-3)
2.	TA-1	.2 & .25 Aircap
3.	TT-0	.2mm Tip
4.	MIL-12	“O” Ring for TGX-30 Shell
5.	TGX-30	Shell Assembly
6.	TGX-104	Cup Cover
7.	TAL-8	Packing Assembly PTFE
8.	TGX-106	Trigger
9.	TAL-14	Valve Casing (Not Black Chrome)
10.	TAL-32	Air Valve Assembly
11.	A-22	Spring
12.	TAL-26	O-Ring
13.	TAL-22	O-Ring
17.	TAL-18	Rocker Assembly
18.	MIL-11	Needle Spring
19.	TAL-17	Spring Housing
20.	TAL-19	Needle Lock Nut
21.	MIL-12	“O” Ring for Handle
22.	TGX-105	Handle & Needle Stop
23.	TAL-33	Handle Stop
24.	TN-0	.2mm Needle
25.	TAL-35	Allen Wrench
26.	TAL-28	Wrench

27. TGX-102 Air Valve Stem(Date code on shell 7/31/16)

27. TGX-107 Air Valve Stem (Date code on shell 8/1/16)

27a 3A-5 O-ring (Pack of 6) TGX-102

27a 3A-4 O-ring (Pack of 6) TGX-107(New)

The TA-1 Aircap is used on both the size 0 & 1 heads
The TGX can also use the size 1, 2 & 3 heads by changing the tip, needle & aircap.

Optional Items:

TAF-3	Fan Aircap for .66mm Head- (uses TT-3 & TN-3)**(Optional)**
TT-1 & TT-2	**Tip (.25mm & .38mm)**
TN-1 & TN-2	**Needle (.25mm & .38mm)**
TA-1 & TA-2	**Aircap (.25mm & .38mm)**
T-227-1, 2 or 3	**Complete Head Assembly (.25mm, .38mm & .66mm)**

REMOVING / REPLACING THE NEEDLE AND HANDLE :

1. Unscrew the handle and loosen the Locknut- #TAL-19 by turning counterclockwise. Depress the Trigger- #TGX-106 and hold in down position while removing or inserting the needle. This assures the needle moves freely through the trigger. Gently remove the needle, rotating if necessary, Do NOT force out!
2. Inspect the condition of the needle. If it is bent or misshapen in any way, replace it with a new needle. A bent needle can damage or split the Tip- #TT causing bubbles or a rough spray pattern.
3. Hold trigger in DOWN position, insert the new needle into the Rocker Assembly- #TAL-18. Gently push needle through, rotating if necessary, push gently forward until the needle stops in the front of the tip.
4. Release trigger and tighten locknut by turning clockwise.

REPLACING THE FINGER LEVER ASSEMBLY :

If the Trigger- #TGX-106 is removed, it is easiest to replace before the Rocker Assembly- #TAL-18 is inserted. The needle must be removed.

1. Hold trigger so the round side of the stem is to the front and flat side to the back of the airbrush (see B - END VIEW).
2. Insert trigger straight DOWN through the opening in the top of the airbrush shell (see B - TOP VIEW).
4. You want the bottom of the trigger to cover the round ball on top of the exposed plunger. Once the connection is made you should have spring action when pushing down on the trigger. Proceed to replace Rocker Assembly- #TAL-18 and balance of parts as above. When the needle is inserted it will prevent the removal of the trigger.

REPLACING THE TIP:

1. Remove handle, loosen Locknut- #TAL-19 and withdraw needle about one inch (1”).
2. Un-screw the Aircap- #TA and remove. The Tip- #TT can now be unscrewed with Wrench- #TAL-28.
3. Place a new tip into position and tighten with wrench. The tip must be wrench tight. Finally push the needle forward until it is seated fully forward into tip.

ADJUSTING WORN PACKING WASHER:

1. If Packing Assembly- #TAL-8 becomes worn or loose it must be tightened or replaced.
2. Tighten packing nut with small screwdriver. To reach packing all internal parts must be removed.
3. Replace needle and make sure packing nut is not too tight. A slight resistance to movement is needed when needle is passed through.
4. Completely re-assemble guts of airbrush.

CLEANING THE AIRBRUSH:

1. Spray airbrush cleaner through airbrush until no more color is spraying out the of airbrush.
2. Remove needle and wipe clean then replace.
3. If paint has dried remove the front tip and aircap for soaking or soak just the front of the airbrush in cleaner.
4. Any paint cleaner recommended by your paint manufacturer is ok. Keep trigger area dry if soaking.

PERSONAL SETTINGS:

Spring Housing- #TAL-17 used to increase or decrease spring tension for the trigger pull back. Thread into the shell until the trigger stroke feels comfortable. Threading in until it stops can cause the trigger to jam.

TROUBLESHOOTING:

Bubbling in cup:

1. Aircap- #TA needs to be tightened
2. Tip- #TT needs to be tightened further

Skipping or Spitting:

1. Paint too thick -reduce with thinner
2. Tip not seated -tighten Tip- #TT with wrench
3. Tip split or damaged needle -replace tip or needle
4. Needle or tip dirty -clean and replace
5. Air pressure too low -increase pressure or thin paint further (need 20 or more PSI to spray most paints)
6. Check to make sure atomization control is not closed to far

Airbrush Not Spraying:

1. Clogged Tip- #TT -remove tip and clean
2. Needle not moving -tighten needle locknut
3. Low air pressure -increase pressure (need 20 or more PSI to spray most paint)
4. Check to make sure atomization control is not closed to fa

Sprays double line or heavy to one side:

1. Split Tip- #TT or bent Needle- #TN - replace
2. Dirty tip or needle - remove and clean

Jammed trigger or poor trigger motion:

1. Adjust Spring Housing- #TAL-17 - screw or unscrew the spring housing to lessen or increase tension on trigger motion
2. Paint leaking to trigger area - remove guts of airbrush and slightly tighten packing or replace if needed
3. Lubricate needle and trigger - apply Paasche Airbrush Lube (AL-2) to needle shaft and trigger slot area