

Fuji Limited 2 Year Warranty

Fuji Industrial Spray Equipment Ltd. (“Fuji”) provides a 24 month limited warranty on the product to the original purchaser effective from the date of purchase against defects in materials and workmanship.

The warranty does not cover damage or defects arising as a result of abuse, misuse, accident, negligence, malfunction, corrosion, normal wear and tear, inadequate or lack of spray gun or other aspects of maintenance of the product, damage arising from improper assembly, installation or operation, or damage arising from the product being used for a purpose other than that for which it was designed or intended. The warranty is void if repairs to the product are made or attempted by anyone other than Fuji or its authorized agent, or if any modifications to the product are made or attempted.

Purchasers located in North America must obtain a Return Material Authorization number by calling Fuji at 1-800-650-0930 before returning the product to Fuji or its designated representative.

Purchasers located outside North America must contact the vendor from which they purchased the product. In all instances purchasers must return the product together with proof of purchase and with shipping prepaid. For valid warranty claims the product will be returned to the purchaser with shipping prepaid.

This is the only warranty provided by Fuji with respect to the product and is in lieu of any other warranties, express or implied, including but not limited to any warranty of merchantability or fitness for a particular purpose. Fuji’s sole obligation under this warranty shall, at its option, be to either repair or replace a product determined by Fuji to be defective. In no event shall Fuji be liable for loss or profits, incidental or consequential damages, injury to any person or property, or any other damages of whatsoever nature.

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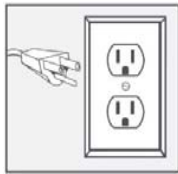
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Please read these instructions carefully before using the equipment

 **GROUNDING**

This appliance must be grounded. If it should malfunction or break down, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This appliance is equipped with a cord having an equipment-grounding conductor and grounding plug. The plug must be inserted into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances.

This appliance is for use on a nominal 120-volt circuit and has a grounding attachment plug that looks like the plug illustrated. Make sure that the appliance is connected to an outlet having the same configuration as the plug.



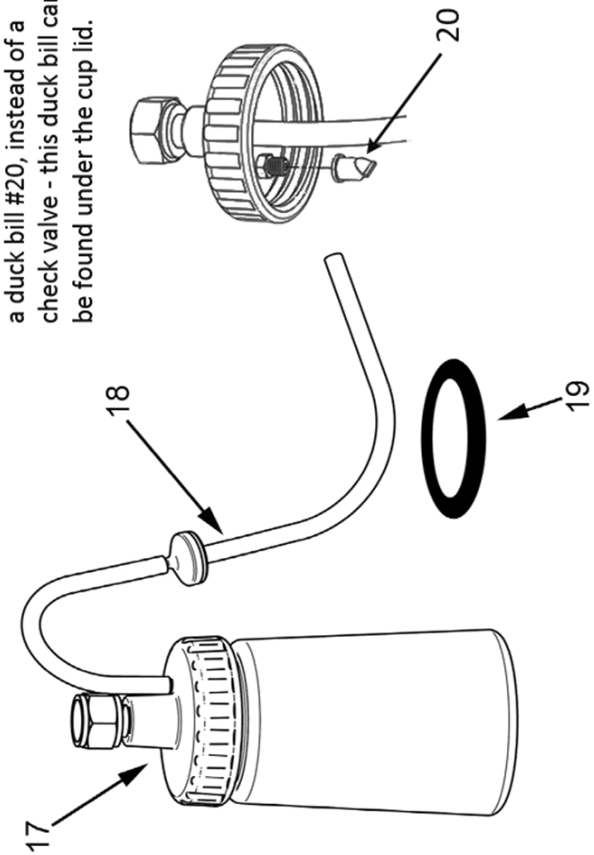
Please Note* For UK, Australia, Asia etc. your voltage will be 220-240v. Check the label on the base of the turbine to ensure your unit is at the correct voltage for your location.

 **ELECTRIC SHOCK HAZARD**

Improper connection of the equipment grounding conductor can result in the risk of electric shock.

- Check with a qualified electrician or service person if you are in doubt as to whether the outlet is properly grounded.
- Use only a 3-wire extension cord that has a 3-blade grounding plug and a 3-slot receptacle that accepts the plug on the product.
- An undersized cord results in a drop in line voltage and loss of power and overheating.
- Do not modify the plug provided with the appliance. If it will not fit the outlet, have a proper outlet installed by a qualified electrician.
- To reduce the risk of electric shock or injury, do not expose to rain.
- Never allow unit to freeze.
- Always store the unit inside in a dry location. Store on the floor if in a basement setting.
- The operator must wear shoes and the floor must not be wet.

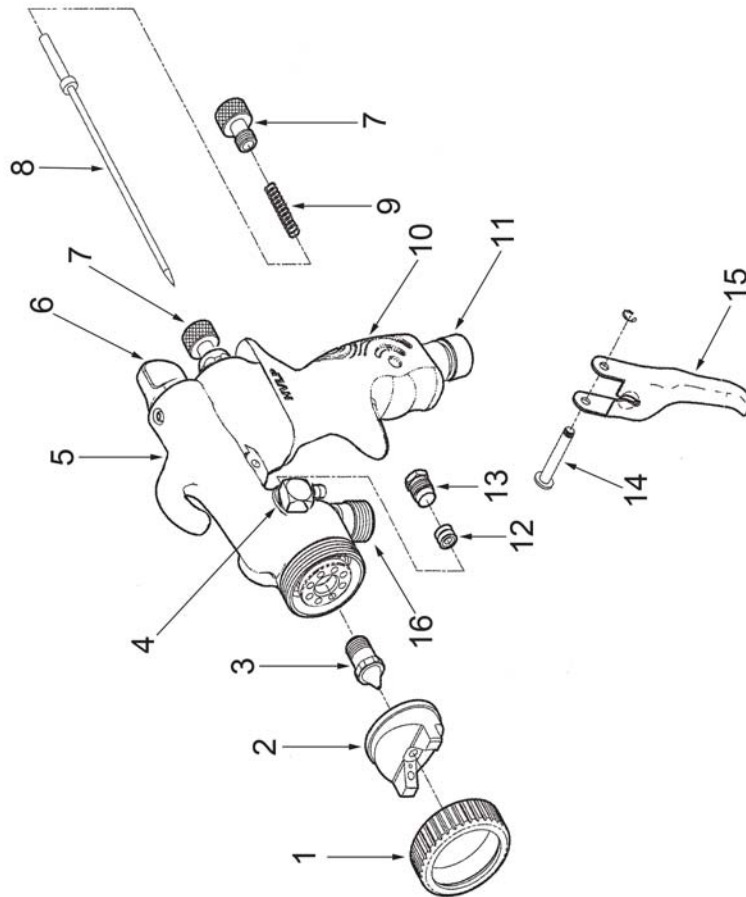
Note: If your Applicator uses a duck bill #20, instead of a check valve - this duck bill can be found under the cup lid.



Do not remove parts shown with **

ITEM	NAME
1	Collar
2	Aircap
3	Fluid Nozzle
4	90 Degree Nipple **
5	Gun Body
6	Pattern Control Knob**
7	Fluid Knob
8	Needle Assembly
9	Needle Spring
10	Handle
11	Hose Connector**
12	Needle Packing**
13	Needle Packing Nut**
14	Trigger Pin**
15	Trigger**
16	Fluid Coupler**
17	Cup Assembly
18	Pressure Tube/Check Valve
19	Cup Lid Gasket
20	Duck Bill

FUJI SPRAY M-SPRAYTAN GUN



FIRE AND EXPLOSION HAZARD

Turbine must not be used in an area contaminated by volatile or flammable materials since sparking can be expected in the normal operation of the motor. This could ignite the contaminants causing a dangerous explosion.

- Do not spray flammable or combustible materials near an open flame or sources of ignition such as cigarettes, motors, and electrical equipment.
- Keep spray area well-ventilated. Keep a good supply of fresh air moving through the area. Keep turbine in a well ventilated area.
- Do not spray turbine.
- Do not smoke in the spray area.
- Do not operate light switches, engines, or similar spark producing products in the spray area.
- Keep area clean and free of flammable materials.
- Fire extinguisher equipment shall be present and working.
- Turn off and disconnect power cord before servicing equipment.
- Ensure ground prongs are intact on sprayer and extension cords.



TOXIC FLUID OR FUMES HAZARD

Toxic fluids or fumes can cause serious injury or death if splashed in the eyes or on skin, inhaled, or swallowed.

- Always wear appropriate gloves and eye protection.
- Always wear a mask. Read all instructions of the respirator or mask to ensure that it will provide the necessary protection against the inhalation of harmful vapors. Please also check with the local jurisdiction.
- Tanning Solution and other materials may be harmful if inhaled.



EQUIPMENT MISUSE HAZARD

Misuse of equipment can cause serious injury or death.

- Do not operate or spray near children. Keep children away from equipment at all times.
- Do not overreach or stand on an unstable support. Keep effective footing and balance at all times.
- Stay alert and watch what you are doing.
- Do not operate the unit when fatigued or under the influence of drugs or alcohol.
- Do not kink or over-bend the hose.
- Do not use the hose as a strength member to pull or lift the equipment.

- Do not cover turbine case as this will restrict air to the intake and result to overheating and premature failure of the motor.
- Do not carry turbine while spraying.
- Check the hose, hose connectors and power cord daily. Any worn or damaged parts should be replaced immediately.
- Use only genuine Fuji Spray replacement parts.
- Never place the Turbine up high, doing so can cause unnecessary overheating.
- Under no circumstances should you open the Turbine Case. Except for filter cleaning or filter replacement, there is NO maintenance required for the Turbine unit. If there is any malfunction, unplug the unit and call Fuji Spray for technical assistance.



GETTING STARTED

APPLICATOR

Your Fuji Spray® tanning Applicator has been adjusted at the factory and is ready for spraying. To clean out any impurities that may have accumulated during assembly or shipping, we recommend spraying a small quantity of water through the Applicator. Before tackling any serious spray tanning, we suggest you experiment with plain water until you become familiar with all the controls.

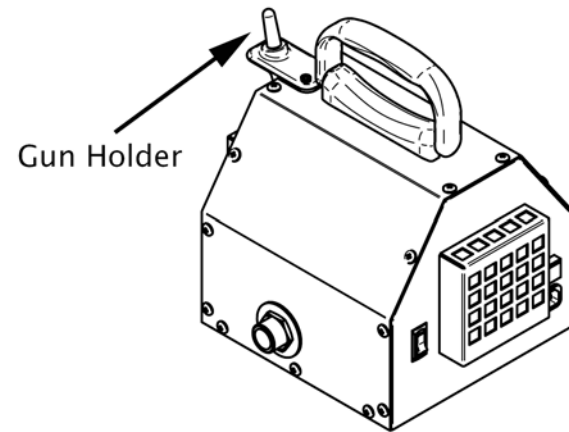
HOSE CONNECTION

Connect the end of the Hose (female connector) to the Turbine Air Outlet located on the front of the Turbine. This is a simple threaded connector. Finger tight is enough - it is not necessary to use a wrench. This Nut must not be overtightened.

The Hose is equipped with a brass Quick-Connect Coupler that attaches to the Applicator.

To attach the Applicator to the Hose, slide back the Collar on the brass Quick-Connect Coupler. Insert the Male Fitting at the base of the Handle on the Applicator into this Quick-Connect and release the Collar. You should feel the fitting click into place. To detach, slide the Collar back – this allows the Applicator to be removed easily.

GUN HOLDER



GUN HOLDER INSTALLATION

The 2 holes on the top of the holder require the Black Machine Screws and Washers. These screws fit into Threaded Inserts in the Metal Case. Do not overtighten - snug is fine.

The single Silver-Colored Screw must be installed to the single hole on the side of the Gun Holder. Once again, please do not overtighten this screw - snug is fine.

GUN HOLDER USE

Place the Hose Connector #11 (base of the Applicator's handle) over the shaft of the Gun Holder shown in above illustration. Please ensure it is fully set down to the base of the shaft. The Applicator will now sit stationary. The Applicator can be left on the Holder for any length of time. It is a convenient resting place between spray tans.

LITTLE OR NO FLUID FLOW

- Fluid passages are clogged (or semi-clogged). See Page 9.
- Clear Plastic Pressure Tube #18 is clogged not allowing pressurizing air to the Cup.
- Fluid Knob #7 is turned in too far - turn out to allow more fluid flow.

THE TRIGGER IS SLUGGISH

- The Needle Packing Nut #13 is too tight – see ADJUSTING THE NEEDLE PACKING on Page 10.

LIQUID LEAKING FROM NEEDLE PACKING NUT

- The Needle Packing Nut #13 is too loose – see ADJUSTING THE NEEDLE PACKING on Page 10.

POOR SPRAY PATTERN

- Damaged Needle #8 or Nozzle #3 – replace.
- Nozzle #3 is clogged – clean.
- Air holes in Aircap #2 are clogged – clean.
- Applicator too far from surface (max. 6" - 15cm)

FLUID AT THE AIRCAP HOLES

- The Fluid Nozzle #3 is loose and material is leaking around it – tighten Nozzle with the supplied Wrench.

APPLICATOR SPRAYS IN A PULSATING MANNER

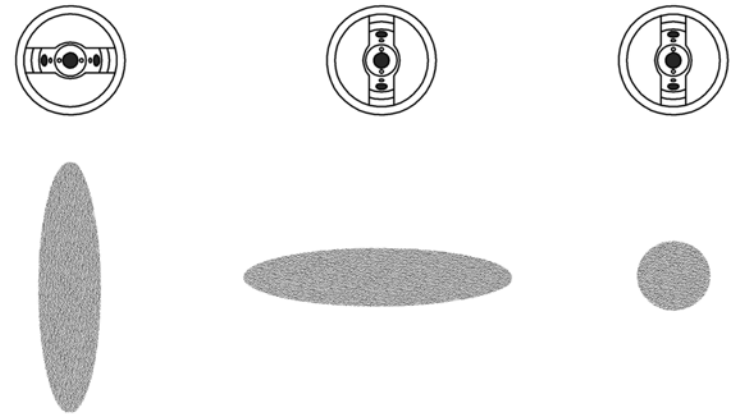
- The Needle Packing has worn a little or is loose. Tighten the Needle Packing Nut #13 GENTLY. See Page 10.
- The Cup is almost empty – add liquid.
- The Fluid Coupler #16 is semi-clogged – clean.

EXCESSIVE OVERSPRAY

- The gun is being held too far away – 6" max. (15cm).
- Trigger on and off as you pass over the edge.
- Install an extraction fan**.

****Please check with the local jurisdiction on this matter.**

CHANGING THE SHAPE OF THE PATTERN



A) Loosen the Collar #1. Turn the Aircap #2 to the horizontal position. This setting produces a vertical spray pattern. Always make sure the Collar is snug tight.

B) Setting the Aircap in a vertical position produces a horizontal spray pattern. The horizontal fan pattern is the most useful and simplest pattern shape for spray tanning. **We recommend that you set and leave the air cap in this position.** To lock it in position, tighten the Collar #1 clockwise until it stops turning.

C) Turn the Pattern Control Knob #6. This knob adjusts the size of the fan pattern from large to small round. For spray tanning, the general setting is about 4" wide from 6" distance away. This is a personal preference. If you turn the fan pattern down to a round spray pattern you will have to reduce the amount of tanning fluid by turning the Fluid Knob #7. If you do not do this, you will get runs. You can use this much smaller pattern to 'touch up' areas such as bikini strap lines or to enhance certain areas such as the abdominals.

To set the fluid output, turn the Fluid Knob #7 clockwise until you cannot pull the trigger. Then unscrew it a little until a small amount of solution comes out of the nozzle when you depress the trigger. Once you set the fluid to your liking, you can leave it in this position. Always remember that if there is not enough fluid (tanning solution) you can turn the Fluid Knob counter-clockwise for more output.

ADJUSTING SIZE OF FAN PATTERN

As mentioned, the horizontal spray pattern is the most useful for spray tanning. For smaller fan pattern, turn the Pattern Control Knob #6 until you reach the desired width. Also, moving closer with the gun will produce a smaller fan.

The optimum spraying distance is 6 inches (15cm) from your subject. When you hold the tanning gun at this correct distance, the 4" (10cm) fan pattern is ideal for spray tanning. This would not necessarily apply if you were using the smallest round pattern to touch up small areas – in that case you would hold the gun much closer to the body (as close as 1 inch or 2.54cm) or less. For body parts thinner in width than 4" such as the arm and wrist, move the gun closer to the subject. This ensures that solution is not being wasted by spraying on either side of the wrist into midair. Spraying closer also reduces undesirable mist in the air.

SPRAYING TECHNIQUES

The Applicator should be held perpendicular to the surface at all times. At no time should the tanning gun be held more than 6" (15cm) away from the surface to be sprayed. All you must do is to move at the correct speed applying a thin wet coat to your client while keeping a uniform distance away.

CAUTION: ALWAYS KEEP THE CUP AS CLOSE TO VERTICAL AS POSSIBLE. POINTING THE APPLICATOR TOO FAR UPWARDS OR DOWNWARDS ON AN ANGLE MAY CAUSE THE TANNING SOLUTION TO ENTER THE CLEAR PLASTIC PRESSURE TUBE #18. CLOGGING THIS TUBE WILL RESTRICT FLUID FLOW THROUGH THE GUN.

AFTER USE, NEVER LAY THE GUN ON ITS SIDE – LIQUID WILL RUN OUT OF THE CUP INTO THE PLASTIC PRESSURE TUBE. INSTEAD, USE THE SPRAY GUN HOLDER OR HANG THE GUN BY ITS HOOK.

FILTER CLEANING

Once a month, pull out the Foam Filters from the Filter Enclosures on the sides of the metal Turbine case. Depending on your Turbine, the Filters slide out from the bottom or the rear of the Filter Enclosure. Wash the filter(s) in warm soapy water. Let dry overnight before replacing it back to the turbine. **Never replace a filter when wet.**

SPRAY GUN PROBLEMS

NO LIQUID (OR VERY LITTLE LIQUID)

- **The most common cause of reduced liquid from the Nozzle is a clogged clear plastic Pressure Tube #18.** Replace with new. Always ensure that the Tube is placed in the right direction. The pressurizing air flows from the Gun to the Cup. You should be able to blow through the Tube and determine which direction the air can flow. Installing this Tube in the wrong direction will result in no fluid flow.
- **The second most common cause of reduced liquid from the Nozzle is clogged 90 Degree Fitting at the Gun and/or the Nipple on the lid of the Cup.** Use a toothpick or wire paper clip to clean out the hole so air can flow freely.
- The Fluid Coupler #16 is clogged. Please see 'Clogged Gun' on Page 8. If no fluid is coming out of the Nozzle, the Cup Assembly must be removed and the inside of the Fluid Coupler cleaned out.
- To prevent clogs, spray slightly soapy water through the gun every night followed by water only.

UNEVEN SPRAY PATTERN

- One of the holes in the Aircap #2 may be blocked with dried tanning fluid. Remove the Aircap and clean by soaking in soapy water followed by using the soft bristle brush to clean. NEVER use metal objects to clean holes in the air cap.

LEAKING AT THE CUP RIM

- Ensure that the Cup is tightened fully. It is best to hold the lid while tightening the Cup.
- Replace the Cup Gasket #19.

ADJUSTING THE NEEDLE PACKING

The Needle Packing Nut #13 is located behind the front barrel and in front of the Trigger. It is the **small** Nut with the Needle passing through the center of it. This Nut must be tight enough to prevent any leakage of liquid. It should however, allow the Needle to glide smoothly through it.

First of all, empty the Cup of all liquid. Wind out the Fluid Knob #7 a couple of turns. Then pull the Trigger back exposing the part of the Needle Shaft that enters the Needle Packing Nut. Apply light machine oil or Vaseline to the Needle Shaft and work it in and out by pulling the Trigger back and forth. This will lubricate the Needle Packing #12.

LEAKAGE FROM THE NOZZLE - REMEDY

This occurs when the Needle Packing Nut is too tight (compressing the Needle Packing #12 tightly around the Needle).

Half fill the cup with water. Attach the Gun to the Hose and turn on the Turbine blower.

Pull the Trigger and release. Check the Nozzle for water spurting out.

Using the supplied wrench, **GENTLY** loosen the Nut (1 or 2 degrees only at a time). **This is a very sensitive adjustment.** Again pull the Trigger and release. Wipe away the water in between adjustments. Repeat until no water is seen at the Nozzle Hole.

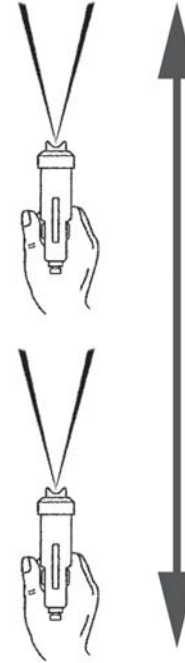
LEAKAGE FROM THE NEEDLE PACKING NUT

This occurs when the Needle Packing Nut is too loose.

Half fill the cup with water. Attach the Gun to the Hose and turn on the Turbine blower.

Using the supplied wrench, **GENTLY** tighten the Needle Packing Nut 1 or 2 degrees only. **This is a very sensitive adjustment.** Wipe away the water in between adjustments. Repeat until no water is seen where the Needle passes through the Needle Packing Nut.

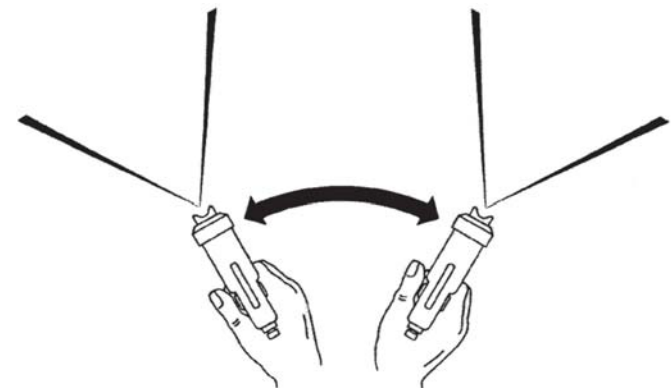
SPRAYING TECHNIQUES



Start moving the spray tanning gun in the up or down direction **before** pressing the Trigger. The Trigger must be pulled immediately **after** you begin to move. This is the secret to avoiding runs. Never start spraying without having your hand in motion. Overlap each successive pass by about one third the size of the spray pattern (2 inches or 5cm). This will result in even coverage.

Always keep the gun perpendicular to the person you are spraying. For spray tanning, the horizontal spray pattern will give the best results, reduce overspray and shorten spraying time. Always use vertical passes to make it easy on your spraying technique.

INCORRECT



CLEANING

To clean the Applicator after each use, remove the Cup from the Cup Assembly #17. Pour out any unused Tanning Solution then fill the cup with clean water. Re-attach the Cup and turn out the Fluid Knob #7 (this will allow you to pull the trigger back all the way). Attach the Gun to the Hose and simply pull the trigger and spray the water through the gun (into a rag is OK). Repeat once more if necessary. Then use a wet rag to wipe off any solution on the gun or cup. This is all that is needed to keep the Applicator clean and ready for use. For extra cleaning, add a small drop of dishwashing liquid on the first flush but always follow this by flushing with clean water. **Never** use any abrasive cleaning material like steel wool or any solvent to clean the fluid cup or Applicator.

CLEANING BEHIND THE FLUID NOZZLE

Remove the Collar #1 and Aircap #2.

Using the supplied Wrench, remove the Fluid Nozzle #3. Once the Fluid Nozzle #3 is removed it is relatively easy to clean behind it with the Cleaning Brush and soapy water.

For a more thorough cleaning, remove all parts at the front of the barrel. (Collar, Aircap, Fluid Nozzle etc.) You may soak the parts in soapy water. Do not use solvents. Also, remove the Fluid Knob #7, Spring #9 and Needle Assembly #8 from the rear of the gun.

PLEASE DO NOT SOAK THE WHOLE APPLICATOR IN ANY LIQUID - THIS IS NEVER NECESSARY OR ADVISABLE.

CLOGGED GUN - THE FLUID COUPLER

If the Fluid Coupler #16 is seriously clogged with dried tanning fluid it must be cleaned while in place in the gun. **The Fluid Coupler #16 should never be removed.**

Remove the Cup Assembly by loosening the Nut at the top of the Assembly. Use the supplied Cleaning Brush to unclog the inside of the Fluid Coupler using soapy water. Replace the Cup. Before tightening, position the cup to the preferred position and tighten the Nut.

WHAT CLOGS THE FLUID PASSAGES?

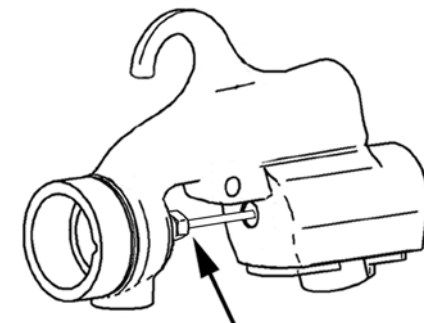
Tanning solution should not be left in the cup overnight. It dries and hardens leaving a film throughout the fluid passages. Over time, the fluid passages can become clogged. To prevent this, spray soapy water through the gun periodically. Always remember to spray clean water to flush out the soap before spray tanning.

A simple rule... If air can pass through the 90 Degree Fitting #4, through the Pressure Tube #18, into the Cup Assembly #17 and if fluid can flow through the Plastic Feed Tube up through the Fluid Coupler #16 and out the Fluid Nozzle #3 then the Applicator will spray **100%** of the time. If there is any restriction of Pressurizing Air or Fluid Flow, then the gun will not work properly. So it is all just keeping these passages - both Air and Fluid - free of any restriction.

LEAKAGE FROM THE NOZZLE

If liquid comes out of the Fluid Nozzle #3 **without** pulling back the trigger (Trigger at rest)...

- **The Needle Packing Nut #13 may be too tight** - see Page 10... Adjusting the Needle Packing Nut.
- The Needle Assembly #8 is not seating in the Fluid Nozzle #3 properly and the tip could be bent (unlikely).
- Foreign matter could be trapped between the point of the Needle #8 and Fluid Nozzle #3 (dried, hardened tanning solution) – clean with soapy water.



Needle Packing Nut