



USER MANUAL

UG7500W AUTOMATIC SPRAY GUN CLEANERS



CORPORATION

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REV 2020- 10

INTRODUCTION

Uni-ram holds many patents on designs used in its innovative products. Every machine is tested for compliance with Quality Assurance standards. Follow the directions in this manual under Setup, Operation and Maintenance in order to operate this machine safely and effectively. Not following these instruction can lead to malfunction or damage to the machine. Ensure that the manual is readily available for the operator at all times. If you have any questions about the operation of this machine, call Uni-Ram Service Engineer at 1-800-417- 9133.

MODEL	7500W
MANUAL WASH BRUSH	YES
MANUAL RINSE WITH SPIGOT	YES
WASH Water PAIL INCLUDED	YES
RINSE Water PAIL INCLUDED	YES
SHIPPING SIZE (WDH)	38 X 26 X 68 inches 96 X 66 X 173 cm
SHIPPING WEIGHT (LB / KG)	185 / 84

COMMON FEATURES

- Automatic Wash, Automatic Air Flush, Automatic Water Rinse.
- Flow-through Brush for manual wash. Flow Control.
- Spigot for manual rinse. Flow Control.
- Clean 2 Spray Guns and 2 Pots at the same time.
- Stainless steel inlet filter, located at the end of the suction hose, prevents debris from reaching the pump and wash pail.
- 14 Cleaning Jets with swirl action.
- Shipping Size and Weight: 38" W x 26" D x 68" H, 185 LBS 84 KG.

CAUTIONS AND WARNINGS

- Always disconnect this machine from power sources before performing maintenance.
- **Make sure all ground wires are connected and that unit itself is grounded properly.**

SAFETY EQUIPMENT

- Wear safety eyewear, respiratory protection and protective clothing.
- Wear deluxe extended length neoprene gloves; SAS PN 6588 or Thicksters PN 6602-20 through 6605-20.

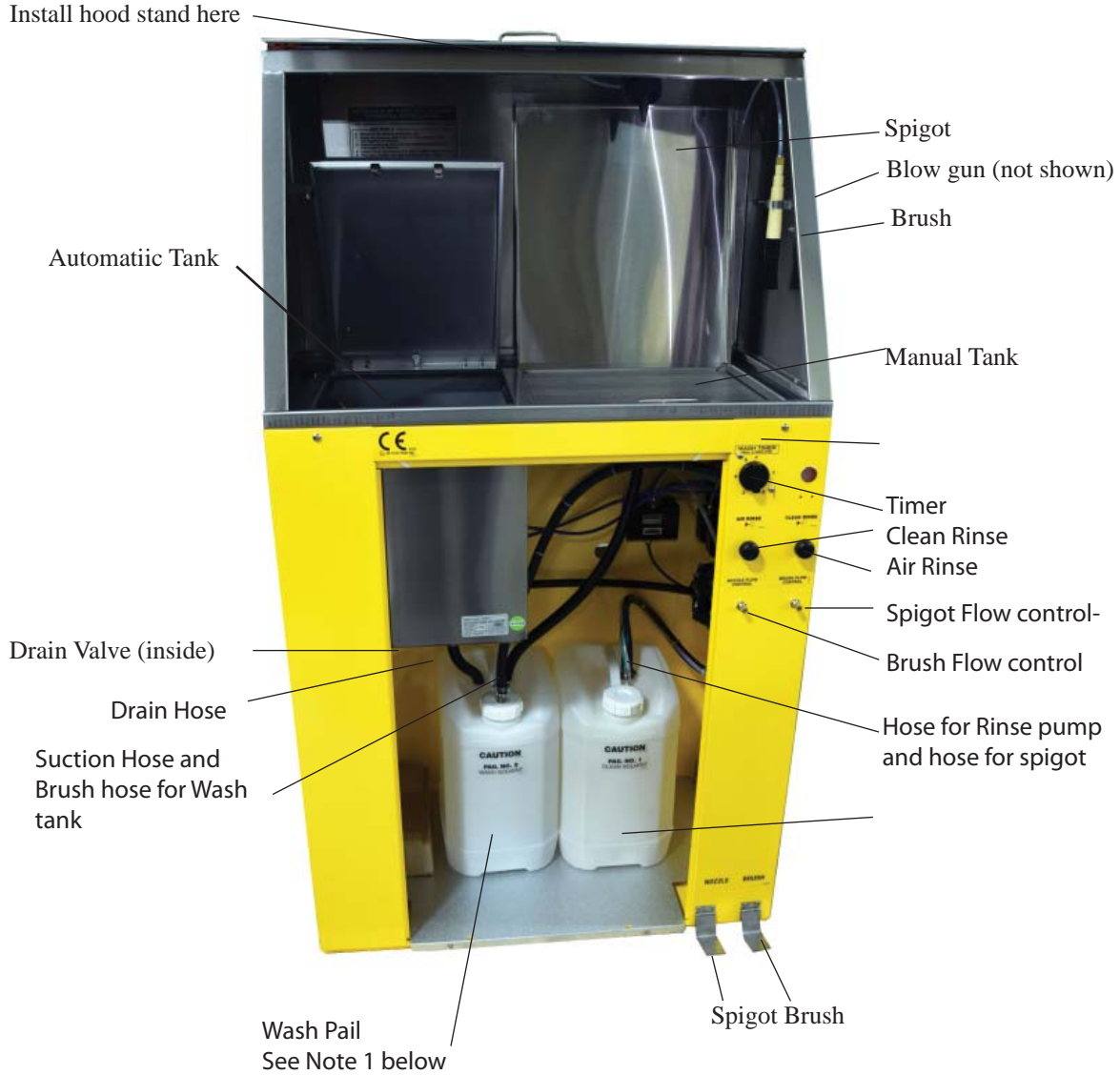
SETUP

DELIVERY INSPECTION

- Inspect the shipping carton for any sign of transport damage. Carefully remove the unit from the shipping carton and check the unit for damage. Report any transport damage immediately to the carrier and to Uni-ram Corporation. Initiate a freight claim with the carrier. The manufacturer is not responsible for the freight damage.

Bag of accessories contains the following:

UG7500W



Wash Pail

Note 1: The stainless steel inlet filter, located at the end of the suction hose, prevents debris from reaching the pump and wash tank. See the section on Maintenance for cleaning of the stainless inlet filter.



Suction Hose
Stainless steel inlet filter located on end of suction hose

- Manual
- Push on nozzle extension for disposable cup system or conventional cup system(110-430PPS).
- Push on nozzle extension for conventional cup system(110-430).
- Kit-Plug, Trigger Lock Spring, 2 in a package (140-2340).
- Hood Door Support (780-3723)

LOCATION

Position the unit in a well-ventilated area at least 6 " from the back wall.

AIR SUPPLY

- Connect a male air supply adapter (not supplied) into the female Air Inlet on the unit. The male air supply adapter is 1/4" NPT.
- Connect the female air supply hose to the adapter. The air supply hose must be at least 3/8" inside diameter. **The air supply pressure must be at least 85 PSI and the supply air must be free from contaminants such as water, dust, rust, tar and grease. If the air supply is not clean and dry install a moisture filter. The operation and longevity of the pump and other components depends on clean dry supply air.**
- To prevent damage to the Diaphragm Pump an internal Air Pressure Regulator has been installed to limit the air pressure to 85 PSI. Do not install a second air pressure regulator or use a pressure set below 85 PSI.

GROUNDING

- Connect the green ground wire at the back of the unit to a ground in the building using the ring terminal on the ground wire.

Note: The pump and metal tube that inserts into each pail are grounded.

Ring Terminal



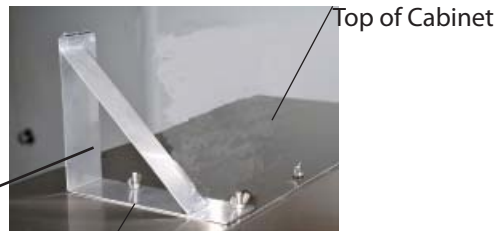
INSTALLATION OF HOOD SUPPORT

- The hood support is located in the accessory kit. Locate the hole for the hood on the underside of the top of the cabinet. See photo to the right.
- Push the front screw through the hole and install the hood support. Install a wing nut onto the screw. See the photo on right.
- Install the other screws and wing nut in a similar way.

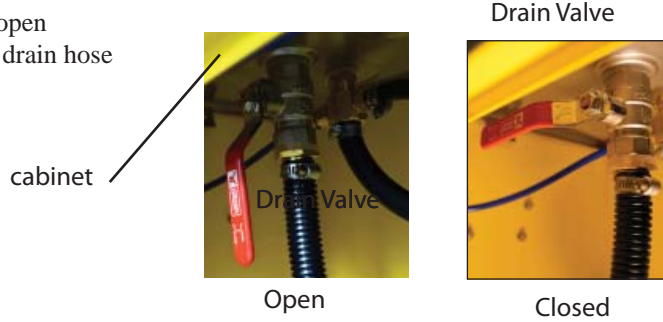
Hood Support

Hood Support

Screw Location

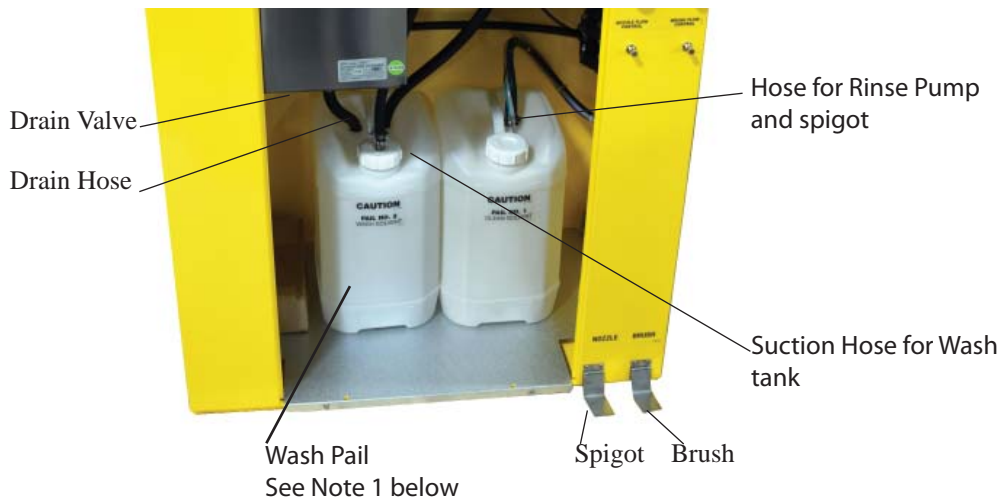


- Check to ensure the Drain Valve is in the open position (handle in vertical position) and drain hose is in the (left) pail.

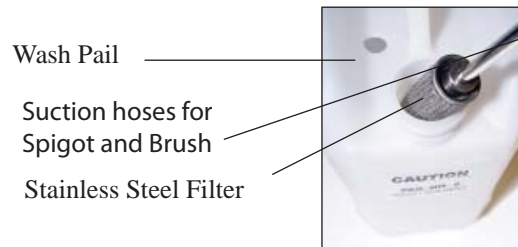


PAIL SETUP

- Open the cabinet door.
- The spray gun cleaner comes with two plastic pails. The black drain hose, suction hose and brush hose are inserted into the plastic wash pail. See the photo of the unit below. The Rinse pump and suction pipe for the rinse spigot is installed in the clean pail. The stainless steel inlet filter is located at the end of the suction hose and prevents debris from reaching the pump and wash tank. See the photo of the filter below. Clean the filter monthly. The procedure to clean the filter is described in the Section, MONTHLY MAINTENANCE.
- Pour the contents of **AQUA-KLEEN** into the tank. Pour 3 gal (12 L) of water into the wash tank to fill the wash pail. **AQUA-KLEEN** enhances the cleaning power of water. Move the suction hose to the clean pail after removing the cap and pour the contents of the second bottle of AQUA-KLEEN into the tank. Pour 5 gallons (19 L) of water in the the cleaning tank. Return the drain hose to the wash pail.



Note 1: Stainless steel inlet filter located on end of suction hose



PRE-CLEAN - DISPOSABLE CUP

Disconnect the spray gun from the air hose.

- Squirt water into the disposable cup adapter, shown in photo on far right.
- Pull the gun's trigger to flush the water through the fluid channel and into the paint waste container (not supplied) for later disposal.



Pre clean Fluid Passageway

PRE-CLEAN - CONVENTIONAL CUP

Disconnect the spray gun from the air hose.

- Disconnect the cap and pour the paint waste into a paint waste container (not supplied).

CLEANING SPRAY GUNS AND CUPS

- Remove digital air gauge if so equipped.
 - Loosen the air cap of the spray gun two full turns.
 - Lock the trigger in the open position with the Trigger Lock Spring.
- See photos below.



Remove Gauge



Trigger Lock Spring



Trigger Lock Spring On Spray Gun

SPRAY GUN INSTALLED IN TANK



Cap points to the corner jets

Air Plug

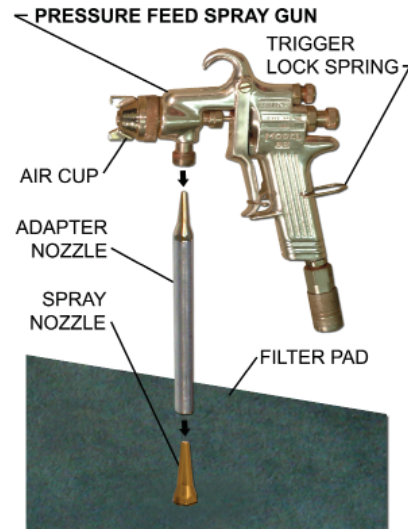
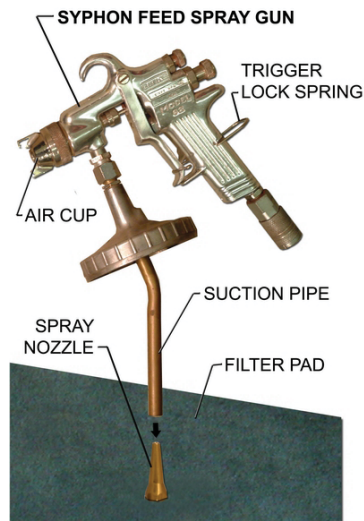
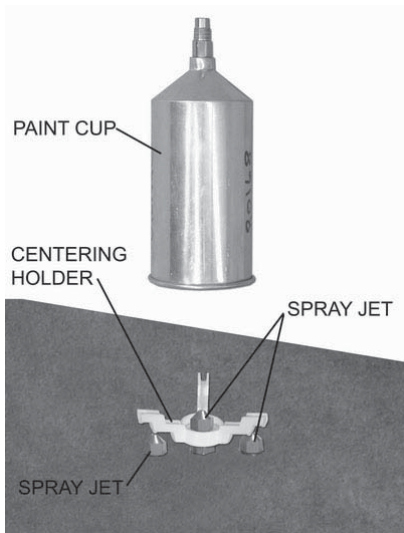
Location for Push On Nozzle Extension for second spray gun

INSTALLING SPRAY GUNS IN TANK

- Place the spray gun on the nozzle with the cap facing the corner. See photo on right and photo above.



Placing Spray Gun on Nozzle Extension



PREVENT Water FROM ENTERING THE AIR PASSAGE OF SPRAY GUN:

- Insert the plastic plug into the air fitting as in the photo below.
- Positive air will flow through the passage way during cleaning.

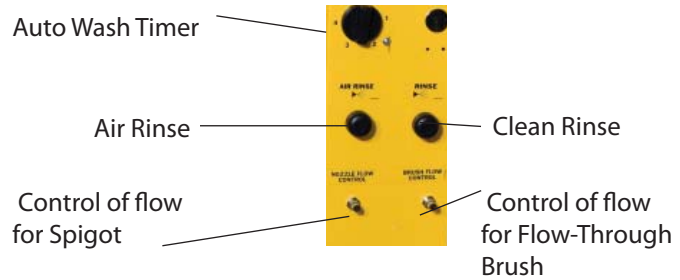


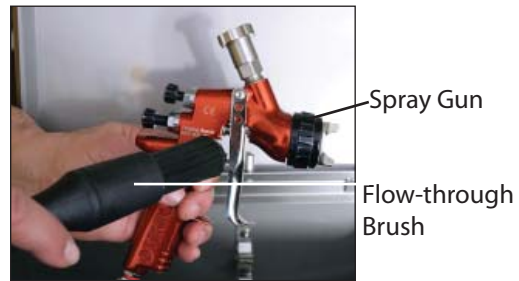
Air Plug inserted into the Air Passage way of the spray gun

- If you disconnect the air plug from your spray gun attach the knurled nut on the chain with the trigger lock spring to the air passageway of the spray gun.

CLEANING CYCLE:

- Close the lid of the spray tank and turn the "Auto Wash Timer" clockwise. See photo below. The wash cycle takes about 60 seconds.
- Push and hold the "Air Rinse" button for about 5 seconds to evacuate the wash water and air rinse the spray guns. See photo below.
- Press and hold the "Clean Rinse" button for about 5 seconds to send 100 cc of clean water through the jets to rinse the the spray guns. See photo below.





Flow-through Brush washing a spray gun

MANUAL WASH

- Open the lid and remove the brush from its holder on the back wall of the wash tank.
- Step on the foot pedal. A dedicated pump delivers wash water through the Flow-through brush. To control the flow of water through the Brush, adjust the Flow Control, also on the front of the unit.

CONTROL OF FLOW FOR FLOW-THROUGH BRUSH

- See photo above. To increase flow, loosen the locking nut, rotate the dial anti-clock wise, and tighten the locking nut.

MAINTENANCE

- Clean the stainless steel inlet filter each month.

Procedure:

Follow step 1 and step 2 below under REPLACING SOLVENT.

Lift the suction pipe from the wash pail, (see the left photo below) unscrew the stainless steel filter from the nut and clean it with clean water in a mixing cup. See the right photo below.

Remove Suction Pipe and Filter

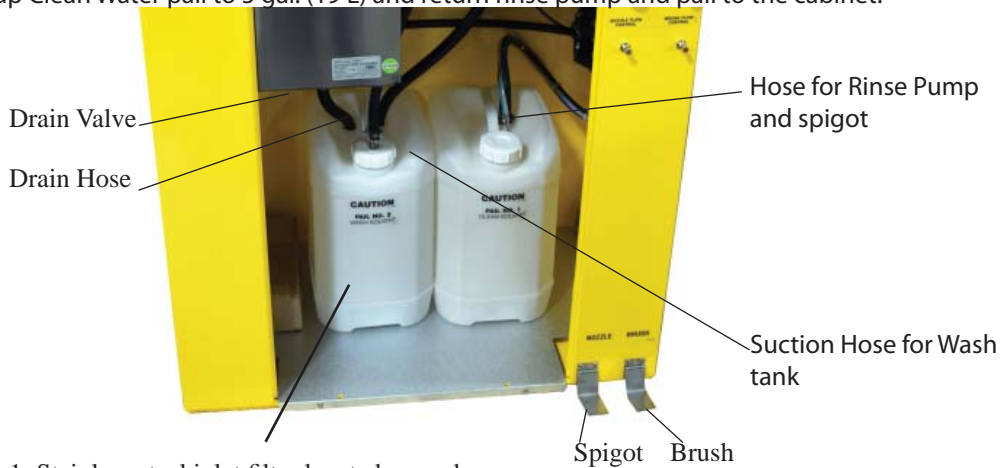


Clean Filter

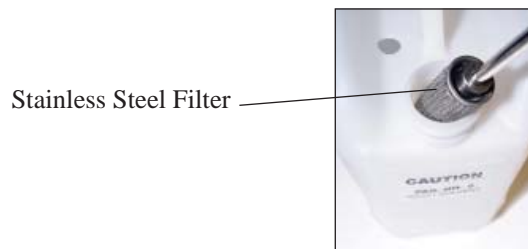


REPLACING SOLVENT

- Replace the wash water when the water has lost cleaning effectiveness or after approximately 100 cleanings.
- 1) Remove the clean pail from the cabinet and then remove the rinse pump from the clean pail.
 - 2) Close the drain valve (left photo below). Remove the drain hose and suction pipe from the wash pail and take pail out of the cabinet. See middle and left photo below.
 - 3) Pour used wash water from the wash pail into the waste drum. Return wash pail to the cabinet and insert drain hose and suction hose. Pour 3 gal (12 L) of fresh water into the cleaning tank to drain to the wash pail. Top up Clean Water pail to 5 gal. (19 L) and return rinse pump and pail to the cabinet.



Note 1: Stainless steel inlet filter located on end of suction hose



TROUBLE SHOOTING

PROBLEM	REASON	CORRECTIVE ACTION
WASH PUMP MAKES PUMPING SOUND BUT LIQUID DOES NOT FLOW FROM THE JETS	Drain valve closed	Open drain valve (put in vertical position), if not already open
	Liquid level too low	Check wash liquid level. Add liquid if less than 1/2 full.
		Fill to 4 gal (11 L).
	Debris in pump or suction and output hose	Follow Procedure 1, "Blocked Fluid Passage in Diaphragm pump" in the next section.
WASH PUMP MAKES HISSING SOUND AND LIQUID DOES NOT FLOW	Water or contaminants are in air line of pump.	Passage in Diaphragm Pump" in the next section.
	Flow Control is closed.	Manual flow control is located on the control panel on the front of the machine. Loosen the locking nut and rotate control to the left to increase flow.
	Liquid level too low	Check wash liquid level. Add liquid if less than 1/2 full up to 4 gal (11 L).
	Brush is clogged with debris.	Unthread brush from hose and operate foot pedal. If free solvent flow is now seen, replace brush with PN 144-390S
BRUSH PUMP DOES NOT MAKE A NOISE AND LIQUID DOES NOT FLOW WITH PEDAL DEPRESSED	Foot pedal switch not functioning	Inspect foot switch for free travel, and lubricate with gun oil. If switch will not travel freely, replace with PN 155-400BF2
	Water in air line causes pump to stall	Follow Procedure 2. "Blocked Air Passage in Diaphragm Pump" in the next section.
WASH PUMP DOES NOT STOP UNLESS TIMER IS TURNED BY HAND OR AIR IS SHUT OFF. WASH PUMP DOES NOT START.	Defective Timer	Replace Timer, PN 115-200K.
TIMER KNOB SPINS BACK WHEN TURNED	Defective Timer	Replace Timer. PN 115-200K.

PROBLEM	REASON	CORRECTIVE ACTION
INSIDE WALL OF TANK IS COATED WITH PAINT EVEN THOUGH OPERATOR MAINTAINS TANK	Liquid lacks cleaning strength.	Solventborne: Replace solvent and/ or consider better quality solvent. Waterborne: replace water and AQUA-KLEEN mixture.
GUNS NOT CLEAN, PUMP WORKING, LIQUID FLOW IS NORMAL	Trigger not locked in open position	Use trigger lock Spring (pn 120-350)
	Spray gun is not properly installed on nozzle	Reinstall with proper adapter.
	Solventborne: incompatible solvent Waterborne: replace water AQUA-KLEEN mixture	Solventborne: use compatible solvent Waterborne: replace water AQUA-KLEEN mixture
	Plugged jets	Clean the jets or replace the jets.
SOLVENTBORNE: SOLVENT APPEARS RED OR ORANGE	Water in solvent is corroding the metal pail.	Replace or recycle wash solvent. Use a HDPE pail approved for use with solvent.
DEPRESSING CLEAN RINSE BUTTON DOES NOT PROVIDE CLEAN RINSE LIQUID	Rinse Pump is leaking.	Replace the rinse pump, PN URP-100SF
CLEAN RINSE IS DIRTY		Replace Combination Valve, PN UVB-400KIT.

TROUBLESHOOTING PROCEDURES PROCEDURE 1

Blocked Fluid Passage In Diaphragm Pump

If the pump sounds like it is working but liquid does not flow, clear the fluid passage as follows:

- Remove suction tube from the pail and blow air at 85 PSI into the INLET Liquid Hose (see diagram). Step on foot pedal to activate pump. This procedure may have to be repeated several times. If this procedure does not help, blow some water into the suction hose using a spray gun, wait one minute and step on foot pedal to activate pump. This procedure may have to be repeated several times. If this procedure does not work, the pump must be replaced.

If you need to replace the pump log-on to Service Channel and Fixxbook or call the Uni-ram Service Engineer.

The warranty on the diaphragm pump is two years from date of purchase.



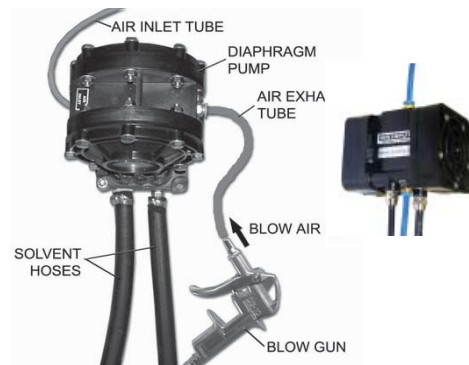
This procedure will also clear a blockage in the fluid line for the brush. Follow the same procedure to clear a blockage in the automatic nozzle except turn the timer instead of stepping on the foot pedal.

PROCEDURE 2

Blocked Air Passage In Diaphragm Pump

If there is a steady hissing sound and the pump is not cycling, the spool valve has stalled due to a blocked air passage. Follow the procedure below to clear the blockage.

- Connect a blow gun to an 85 PSI source. Locate the blue hose that extends from the air exhaust port of the diaphragm pump. Use a blow gun to blow air into the open end of this hose. Turn timer. If the procedure is successful, the pump will start working. The procedure may have to be repeated several times. If this procedure does not work, replace the pump.
- Cause:** Contaminants in the air supply (water, oil, solid particles etc)
- Preventative Action:** If necessary, install an Airline (Moisture) Filter.



PROCEDURE 3

Blocked Passage in Air Line

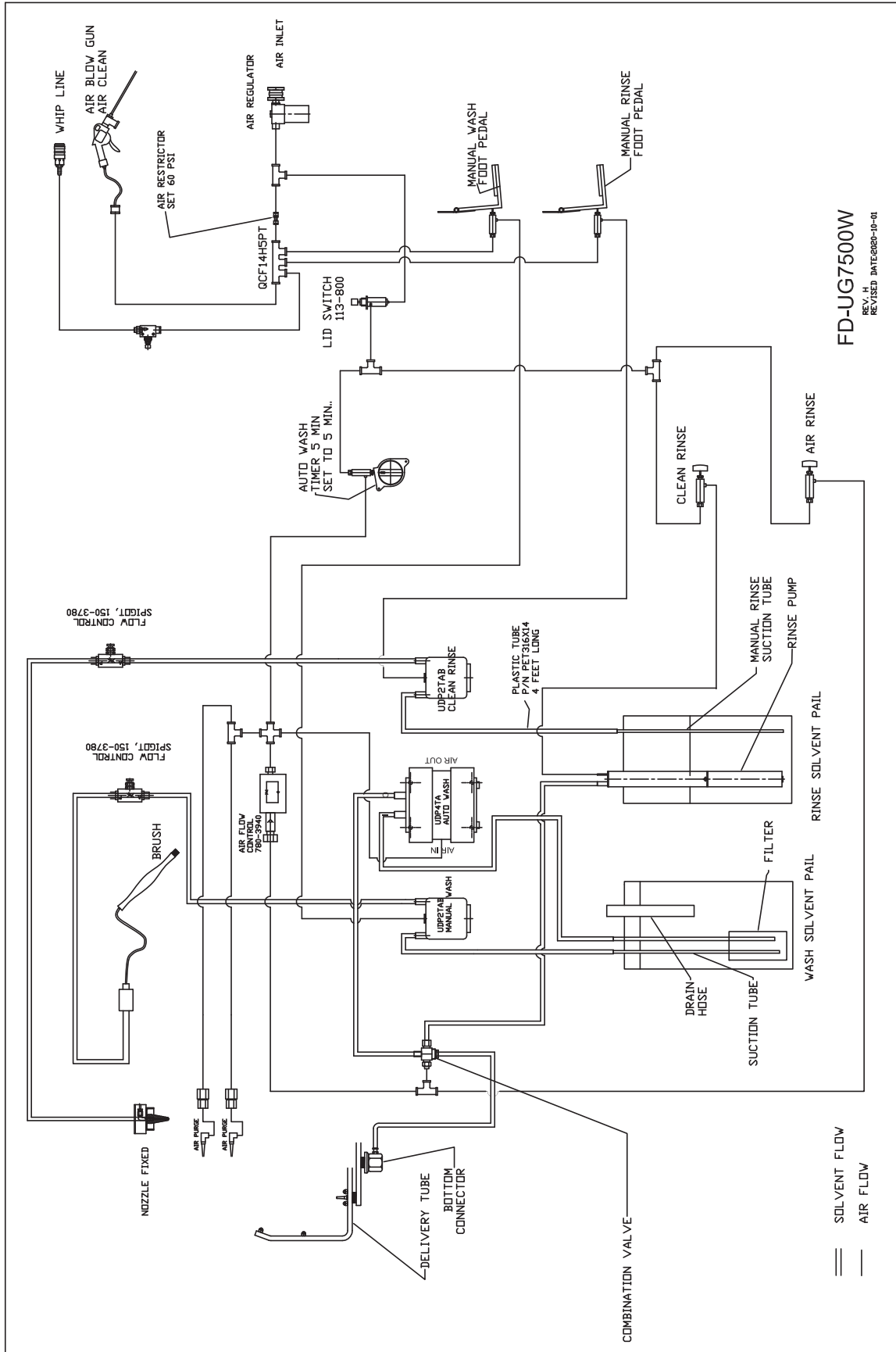
The components in the air line are the **diaphragm pump, air valve, foot pedal, 3-way ball valve and regulator. See the Flow Diagram and the section: Replacement Parts.**

To troubleshoot a component:

- Disconnect the air line to the component using the quick disconnect.
- Step on foot pedal and check for presence of positive air pressure in the air line. If there is ample positive air pressure, replace the component.

If air pressure is absent, there is a faulty component upstream. Reconnect the air line and check the operation of the next component upstream by following steps 1 and 2 above.

FLOW DIAGRAM FOR THE UG7500W



REPLACEMENT PARTS

Part No.	Description
110-430PPS	Nozzle Adapter, Push On, Disposable and Conventional Systems
100-413F	Paint Cap Holder
115-200/K	Mechanical Timer Assembly, 5 minutes
140-230	Air Passage Plug
140-2340	Trigger Clamp & Plug Kit
144-390	Flow-Through Brush
144-397	Hose for Flow-Through Brush
100-835	Ground Wire for Gun Cleaner, 18G, Green, 4 FT
UDP4TA	4" Dual Diaphragm Pump (Main Pump)
UDP2TAB	2" Dual Diaphragm Pump (for Flow-through Brush)
150-8115RT	Wash Pail
150-8114RT	Clean Rinse Pail
Part No.	Description
110-430 Nozzle	Adapter, Push On, Conventional Systems Only
110-430PPS	Nozzle Adapter, Push On, Disposable and Conventional Systems
780-3530	Nozzle Adapter, Disposable Cup Systems Only
100-413F	Paint Cap Holder
115-200/K	Mechanical Timer Assembly, 5 minutes
140-230	Air Passage Plug
140-2340	Trigger Clamp & Plug Kit
144-390	Flow-Through Brush
144-397	Hose for Flow-Through Brush
100-835	Ground Wire for Gun Cleaner, 18G, Green, 4 FT
780-8000	2-Pail Set with overflow tube etc (does not include Hoses & Fittings for connecting to Water Recyclers)
UDP4TA	4" Dual Diaphragm Pump (Main Pump)
UDP2TAB	2" Dual Diaphragm Pump (for Flow-through Brush)
780-8120P	Clean Rinse Pail
750-815P	Overflow Tube
780-8110P	Wash Pail
780-8116F	Riser



Full Product Warranty

These Uni-ram products have been engineered and manufactured to high performance standards. Each unit has been subjected to detailed factory testing before shipment.

This product comes with a one-year full warranty from the date of purchase. Uni-ram Corporation reserves the right to repair or replace the unit, free of charge, to the original purchaser if a part is found to be defective in material or workmanship as determined by factory service personnel. The items listed below under "Conditions of Warranty" as consumables are not covered.

Uni-ram reserves the right to direct the customer to ship the unit collect to the Uni-ram factory or to an approved Service Center for repair using the Uni-ram Return Goods Procedure or to repair the unit on-site. To prevent damage in transport, the purchaser must ship the unit in the original packaging or use alternate adequate packaging. All units must be **shipped clean and free of liquid.**

Diaphragm Pump:

We are pleased to advise that the warranty on the diaphragm pump, the heart of the spray gun cleaner, comes with a 2 year replacement warranty. If, in the unlikely event your diaphragm pump fails during the first two years of service, call Uni-ram Service at 1-800-417-9133. We will send you a new pump free of charge and arrange for the return of your original pump.

Conditions of Warranty:

As Uni-ram Corporation has no control over the working conditions or circumstances under which the purchaser stores, handles or uses the product, Uni-ram makes no warranty or claim, either expressed or implied with respect to this product's fitness for any purpose or the result to be obtained from its use. This condition applies to the sale of all products and no representative or distributor of Uni-ram Corporation has the authority to waive or change these conditions.

This warranty applies only to the original purchaser and does not apply if the unit has been misused, overloaded, neglected, altered or used for any purpose other than those specified in the operating and installation instructions. Deterioration due to normal wear is not covered by this warranty. Damage due to accident, transportation, fire, floods or acts of God is also not covered. Units whose serial numbers have been altered or removed are not covered. The warranty is invalid if unauthorized chemicals as noted in the manual or liquids with acid content are used in this unit. Unauthorized attempts at self-repair or alterations by the owner also invalidate this warranty. Interior or exterior finishes are not covered by this warranty.

Consumable Items are not covered by this warranty (eg: gaskets, screens, bags, filters, nozzles and air jets).

This warranty replaces all other warranties expressed or implied by statute or otherwise.

To make a claim, call Uni-ram Service at 1-800-417-9133 and quote the serial number of the unit.