

INSTALLATION INSTRUCTIONS

11969 TIMED DIAPHRAGM PUMP CONVERSION ASSEMBLY FOR CONVERTING A MANUAL SHUT OFF GUN WASHER FROM A PISTON PUMP TO A DIAPHRAGM PUMP

Removal of Gun Washer's Piston Pump Assembly

- 1) Disconnect shop air line from Gun Washer.
- 2) Drain and clean inside of tub.
- 3) Remove filter from inside tub.
- 4) Disconnect ground wire from pump.
- 5) Disconnect the solvent tube fittings at the tub inlet and outlet locations.
- 6) Cut or disconnect the ties holding the grey timer tube to the Gun Washer frame.
- 7) Remove piston pump saddle clamp from Gun Washer frame. Dispose of the entire piston pump assembly, including the timer tube.

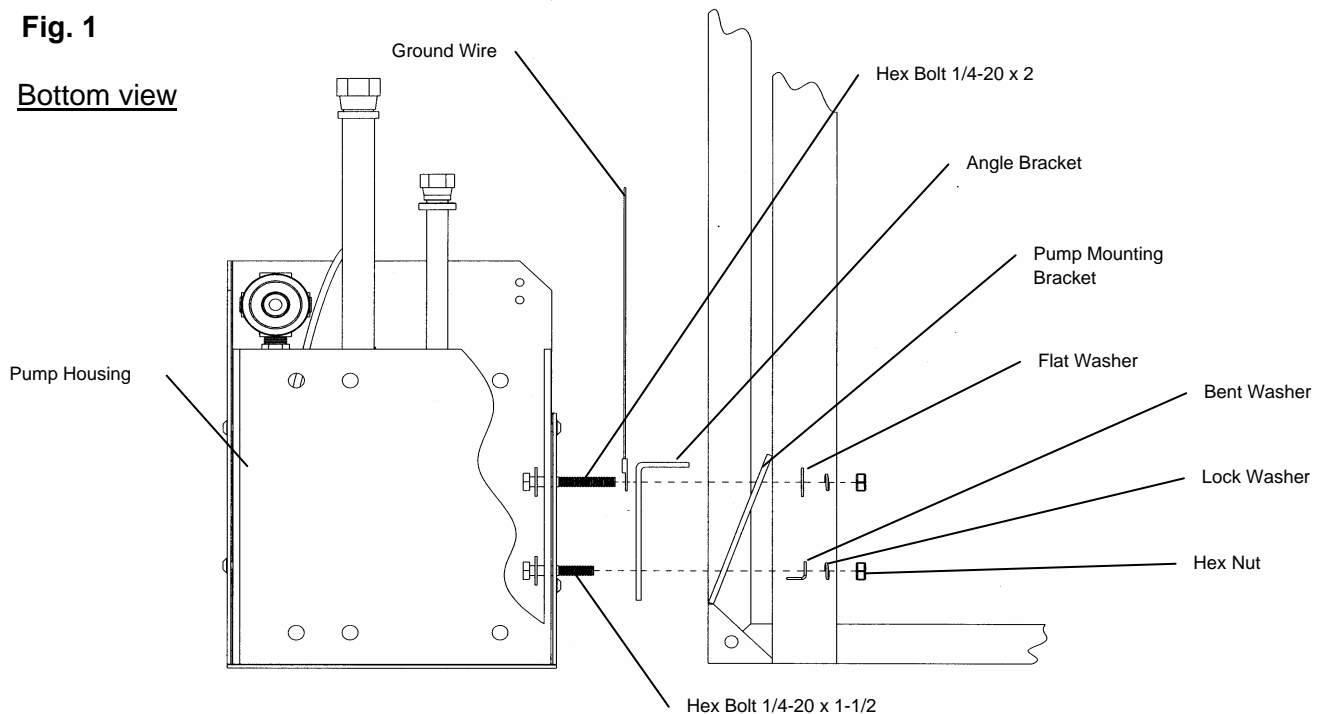
Assembling Diaphragm Pump Housing onto Gun Washer

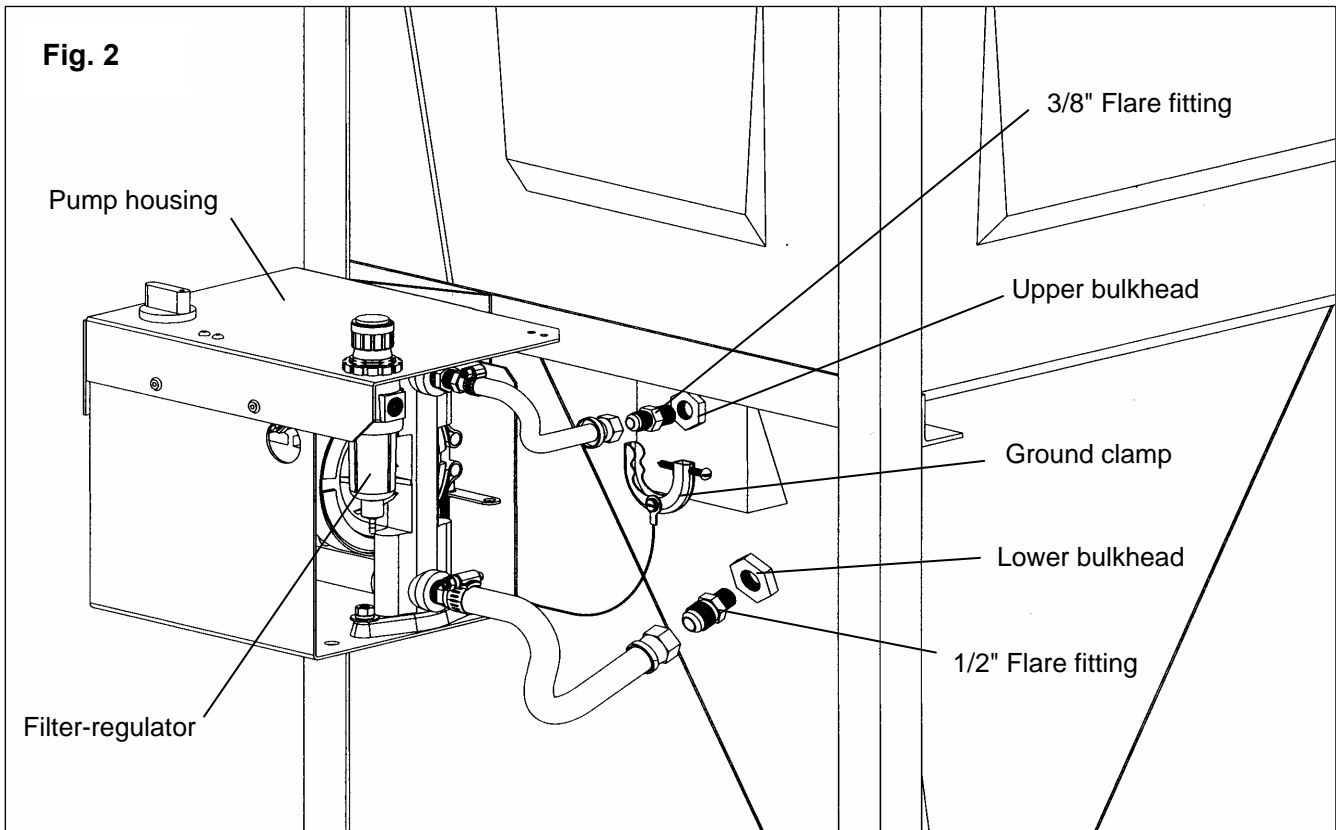
- 1) Loosely mount the 11969 diaphragm pump assembly onto the gun washer stand.

Place the two 1/4" flat washers over the 1/4" hex bolts and insert them through the housing (see fig. 1). Place the uncoated ground wire over the 2" hex bolt and insert the hex bolts through the angle bracket. Align the angle bracket with the pump mounting bracket, and attach the housing to the stand, with the 1/4" nuts and washers, as shown in the diagram (see fig. 1). Finger tighten only.

Fig. 1

Bottom view





2) Install the 1/2" flare fitting into the lower bulkhead on the side of the tub (see fig 2). A 3/8" x 1/4" reducing bushing is supplied if needed.

3) Install the 3/8" flare fitting into the upper bulkhead on the side of the tub (see fig. 2).

4) Connect the two rubber tubes between the pump and the tub (see fig. 2). Use finger force to engage threads on flare nuts.

a) Connect the shorter, 1/2" diameter tube from the "Material Outlet" of the pump to the upper bulkhead of the tub. Finger tighten.

b) Connect the longer, 3/4" diameter tube from the "Material Inlet" of the pump to the lower bulkhead of the tub. Finger tighten.

c) When the housing and solvent tubes are aligned, tighten the four flare nuts

5) Tighten the diaphragm pump housing's two

1/4-20 x 1" hex head bolts, washers, and nuts as loosely assembled in step 1.

Grounding the Gun Washer

1) Attach the ground clamp from the pump housing to the upper bulkhead on the side of the gun washer tub (see fig. 2).

Connect the coiled ground wire attached at the front of the pump to the shop's ground. Route the wire through the housing and out the back.

Connecting the air to the Gun Washer

1) Install your own 1/4" male connector into the filter-regulator inlet at the back of the pump housing. **IMPORTANT:** Hand tighten your air coupler male connector into the filter-regulator inlet. Then, wrench tighten it 1/4 turn only.

2) Connect a shop air line of 65-120 psi. The paint gun washer's filter-regulator is factory preset and locked at 75 psi. **DO NOT ATTEMPT TO CHANGE THIS SETTING.**

Preparing and Starting the Gun Washer

- 1) Replace solvent intake filter inside the tub with the new filter provided. A 3/4" x 1/2" reducing bushing is supplied if needed.
- 2) Apply operating instructions decal to top of lid.
- 3) Fill gun washer tub with 5 gallons of new solvent. A high quality, slow evaporating solvent is recommended for the best and long run economical cleaning. Use DuPont 3661S or equivalent.
- 4) The paint gun washer is started by turning the black timer knob located at the top front of the housing. Turn knob clockwise 1/4 turn or 90 degrees. This starts the pump and the timer.
- 5) The timer will run 90 seconds and then cut off the air supply stopping the gun washer. To re-start the gun washer, turn the timer knob again.
- 6) For a full 90 second timing cycle, turn the knob clockwise 90 degrees. Turning the knob less than 90 degrees will reduce the timing cycle.