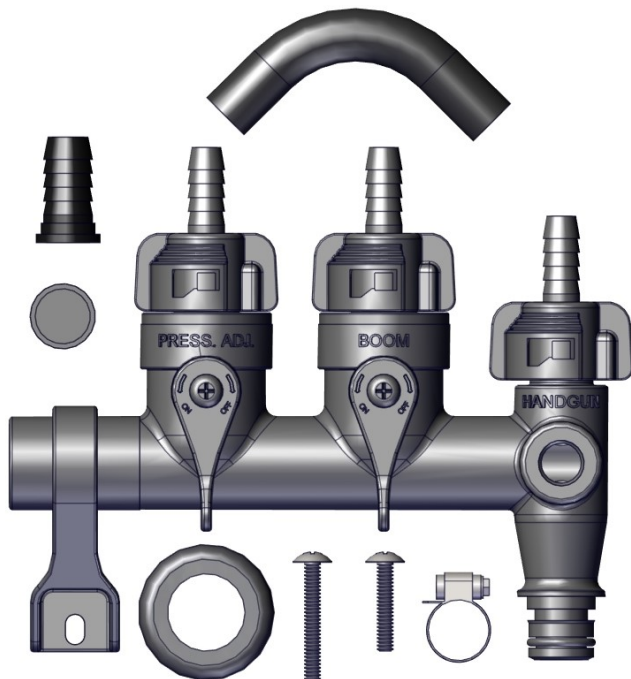


INSTALLATION/OPERATION

Complete Manifold Kit (7771967) (Replaces All Manifold Models)



Compatible with
Fimco High-Flo Pumps:

2.1 - 5275087

2.4 - 5151087

3.8 - 5275088

4.5 - 5151088

& Some older Fimco Pumps

General Information

Thank you for purchasing this product. The purpose of this guide is to assist you in installing, operating and maintaining your Manifold kit.

**BEFORE RETURNING THIS PRODUCT
FOR ANY REASON, PLEASE CALL**

1-800-831-0027

MONDAY-FRIDAY, 8:00 AM TO 5:00 PM CST

If you should have a question or experience a problem with your Fimco Industries Product: Visit our website @ www.fimcoindustries.com or call the Toll free number above. Our technical support representatives will be happy to help you. In most cases a customer service rep. can resolve the problem over the phone.

To obtain prompt, efficient service, always remember to give the following information....

- Correct Part Description and/or part number
- Model number and Serial Number

Part descriptions and numbers can be obtained from the illustrated parts list section(s) of this manual.

Retain a copy of your receipt for your unit, as it will be required to validate any warranty service.

Warranted against manufacturer or workmanship defects from date of purchase with copy of receipt:

Homeowner Usage: One Year.

Commercial Usage: 90 Days.



WARNING: To reduce the risk of injury, the user must read and understand the operator's manual before using this product.



WARNING: Cancer and Reproductive Harm.
www.P65Warnings.ca.gov



www.fimcoindustries.com

1000 FIMCO Lane, P.O. Box 1700, North Sioux City, SD 57049
Toll Free Phone: 800-831-0027 : Toll Free Fax: 800-494-0440

[(07/22)]

Testing the Sprayer

NOTE:

It is VERY important to test the sprayer with plain water before actual spraying is attempted. This will enable you to check the sprayer for leaks without the possibility of losing any expensive chemicals.

Important: After any repair work has been done, ALWAYS test for leaks with water before using.

Fill the tank about 1/2 full with plain water and drive to the starting place for spraying.

When you are ready to spray, turn the boom valve to the “on” position (Detail A), if applicable. This will start solution spraying from the tips of the boom. The pressure will decrease slightly when the boom is spraying.

Adjust the pressure by turning the “ON/OFF” valve lever on the bypass (Press Adj) line valve (Detail B). Make sure your pattern is sufficient. You may down-pressure the system by ‘bypassing’ solution back into the tank. This is achieved by opening the bypass (Press Adj) valve. Regulating pressure is done in this manner.

Read the operating instructions of your sprayer and initially begin spraying by closing the ‘Pressure Adjust’ valve and opening the boom line valve (Detail A), if applicable. This will enable the air in the line to be eliminated (purged) through all the tips, while building pressure. When everything tests all right (no leaks and good pressure), add the desired chemicals to the mixture and water combination and start your spraying operation. Adjust the pressure and spray as you did in the testing procedure.

Conditions of weather and terrain must be considered when setting the sprayer. Do not spray on windy days. Protective clothing must be worn in some cases.

Be sure to read the chemical label(s) before application!

Only fill the tank with what you’re going to spray in a day, never leave chemicals sit in your sprayer.

When spraying with either the boom or the handgun, pressure may be reduced by slowly opening the bypass (Press Adj) valve until desired pressure is achieved.

Opening the valve decreases pressure, closing the valve increases pressure. When spraying with the boom, the proper method to set the pressure is to open the boom valve completely and if a lower pressure is desired, then slowly open the bypass (Press Adj) valve until that pressure is obtained.

Maintenance During/After Spraying

DO NOT attempt to service while chemicals are in the sprayer and power is connected.

Flush chemical from your sprayer and relieve the pressure in the lines before starting any maintenance.

After use, drain the tank and store or dispose of chemical properly. Fill the sprayer half way with clean water. Start the pump and allow the water to pump through entire plumbing system and nozzles. Drain and then refill half full, add recommended amount of a good quality tank cleaner, such as FIMCO Tank Neutralizer and Cleaner. (If no tank cleaner is available, you may substitute dish soap for this step, about 1-2 oz. per gallon). But a neutralizer/cleaner should be used to thoroughly clean system and prolong the life of the sprayer. Turn pump on and circulate through system for 15 minutes and then spray out through boom and handgun nozzles. Refill sprayer half way with clean water and repeat. Follow the chemical manufacturer’s disposal instructions of all wash or rinsing water.

Winter Storage

Prepare the sprayer for end-of-season storage by running RV antifreeze through the system. This will keep internal parts lubricated, protect against corrosion and keep the unit from freezing. *Note: RV antifreeze is non-toxic and biodegradable and generally safer for the environment than automotive antifreeze.*

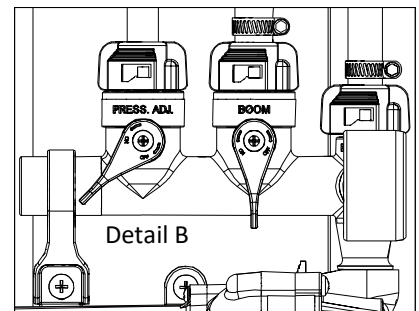
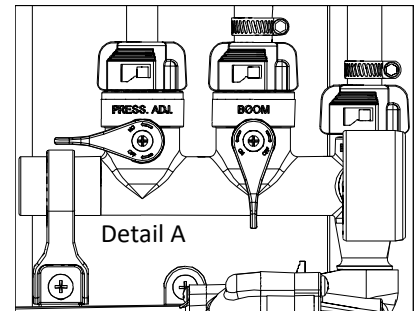
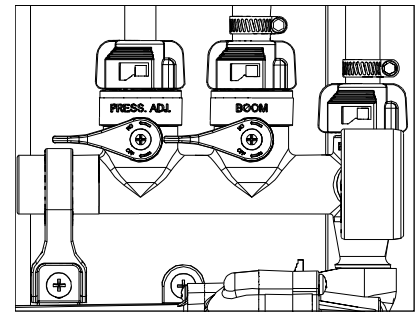
Before storing your sprayer for winter or long term storage, thoroughly clean and drain it as much as possible. Then pour enough pink RV antifreeze into the tank so that when the pump is turned on you can pump the antifreeze throughout the entire plumbing system, including the bypass. Make sure to operate the boom and handgun until you see pink fluid spraying from the nozzles.

Leave any remaining antifreeze in the tank. Before your next usage, rinse the antifreeze from the sprayer with clean water.

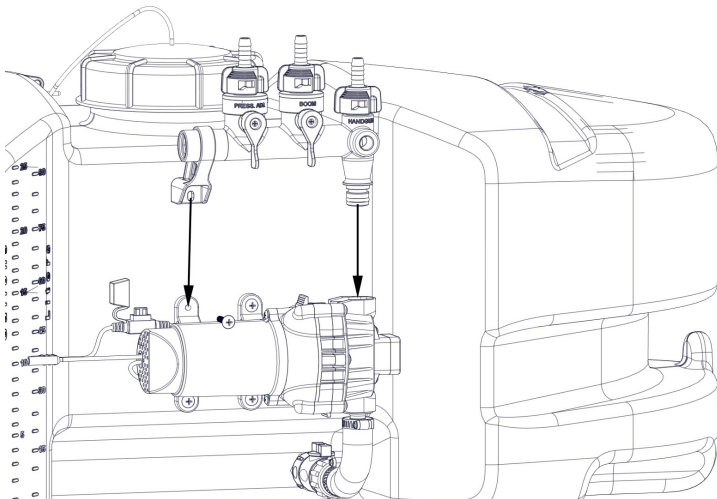
It is nearly impossible to drain all of the water from the sprayer and any trapped water can freeze in cold weather and damage parts of the sprayer. Pumping the antifreeze through the system will displace the water and help prevent this damage.

Removing from storage: drain the antifreeze. Fill the tank with fresh water and run through the system. Dispose of antifreeze and flush water properly.

Manifold Valves CLOSED



Side Mounted Pump Installation



Step 1

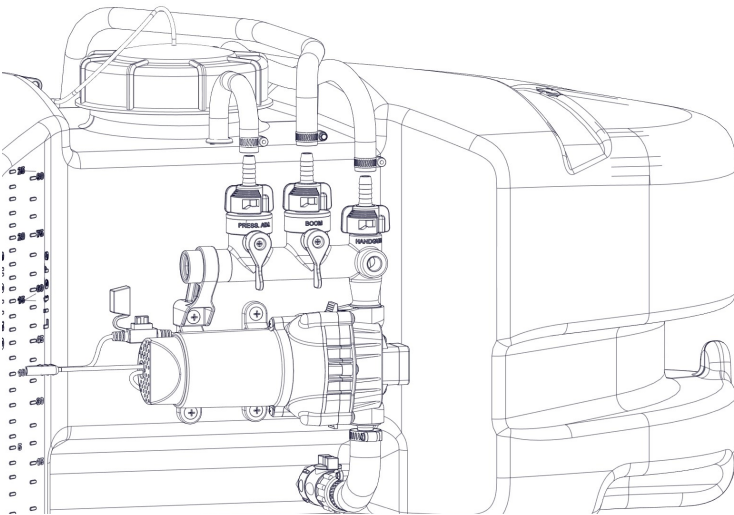
Remove the back screw that goes through the support bracket and slide the locking clip back to release and remove the old manifold (if applicable). The screw needs to be removed and the clip pulled back in order to insert the new manifold.

Insert new manifold into the head of the pump and push the locking clip forward to lock in place. Insert the screw through the bracket and the pump rear foot or grommet and secure.

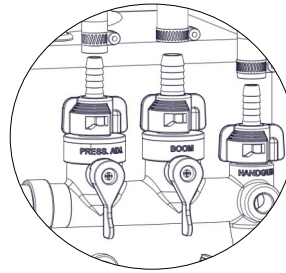
Step 2

Attach your hoses to the manifold.

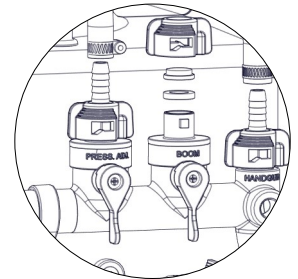
For the bypass hose, if applicable, find the best spot and punch or drill a 7/8" hole, if needed. Insert the grommet into the hole and then slide your bypass hose in and secure to the Press. Adj. on the manifold with a hose clamp.



1/2" Boom Connection



No Boom Connection



Attach your 3/8" boom hose, if applicable, to the boom connection on the manifold and secure with a hose clamp.

Note:

If your boom hose is 1/2", remove the quarter turn cap off the manifold, a quarter turn counter-clockwise, slightly pushing down, remove the 3/8" hose barb and replace with the 1/2" hose barb. Reattach to the manifold.

If there is no boom, remove the 3/8" hose barb and replace with the cap plug as shown above. Reattach to the manifold.

Attach your 3/8" handgun hose to the handgun connection on the manifold and secure with a hose clamp.

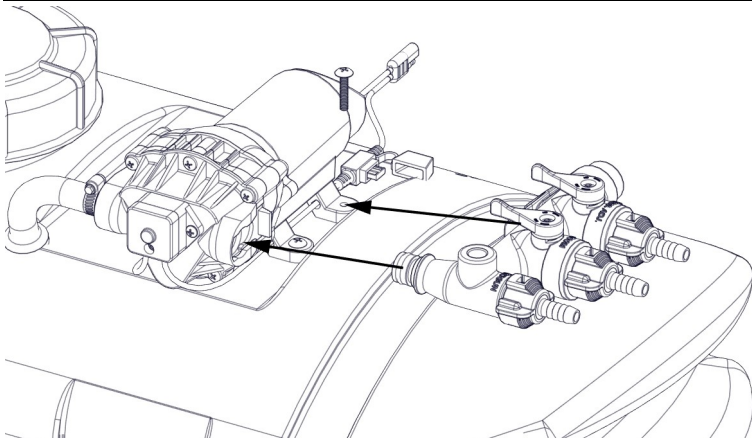
Step 3

Insert your pressure gauge (Not Included) into the port on the front of the manifold, as shown. This port is a 1/4" FPT.

Make sure all hose clamps are tight.

You are now ready to test your sprayer with plain water, before actual use.

Top Mounted Pump Installation



Step 1

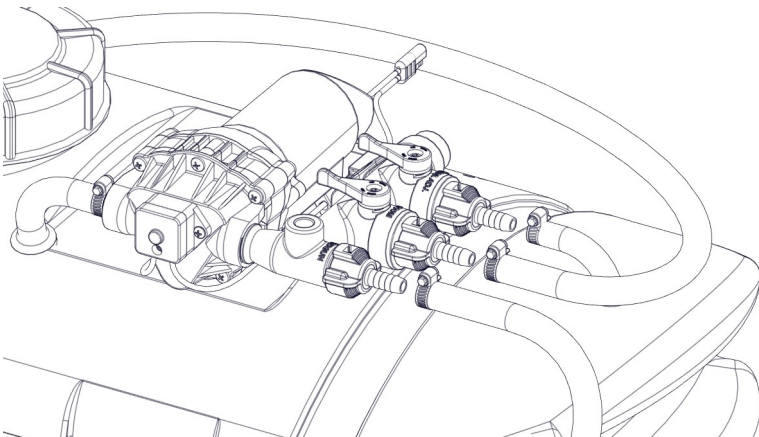
Remove the back screw that goes through the support bracket and slide the locking clip back to release and remove the old manifold (if applicable). The screw needs to be removed and the clip pulled back in order to insert the new manifold.

Insert new manifold into the head of the pump and push the locking clip forward to lock in place. Insert the screw through the bracket and the pump rear foot or grommet and secure.

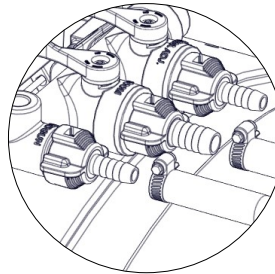
Step 2

Attach your hoses to the manifold.

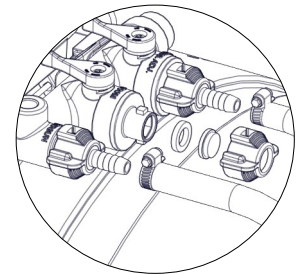
For the bypass hose, if applicable, find the best spot and punch or drill a 7/8" hole, if needed. Insert the grommet into the hole and then slide your bypass hose in and secure to the Press. Adj. on the manifold with a hose clamp.



1/2" Boom Connection



No Boom Connection



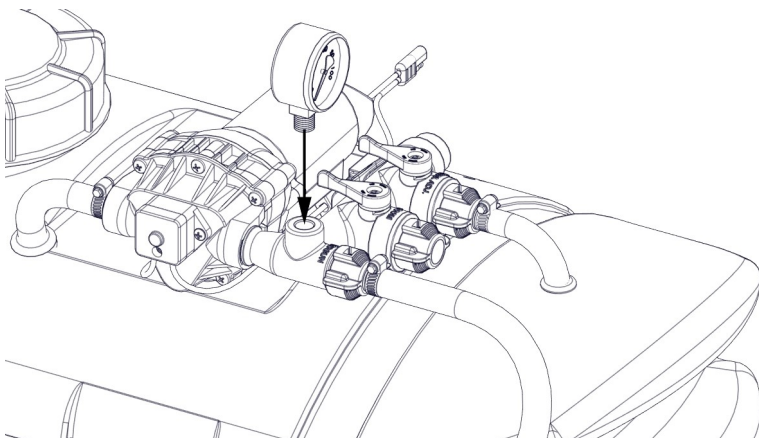
Attach your 3/8" boom hose, if applicable, to the boom connection on the manifold and secure with a hose clamp.

Note:

If your boom hose is 1/2", remove the quarter turn cap off the manifold, a quarter turn counter-clockwise, slightly pushing in, remove the 3/8" hose barb and replace with the 1/2" hose barb. Reattach to the manifold.

If there is no boom, remove the 3/8" hose barb and replace with the cap plug as shown above. Reattach to the manifold.

Attach your 3/8" handgun hose to the handgun connection on the manifold and secure with a hose clamp.



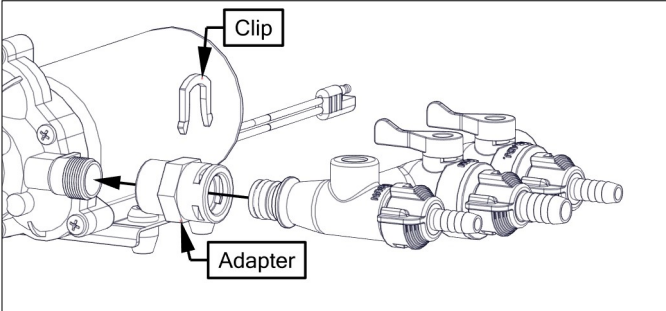
Step 3

Insert your pressure gauge (Not Included) into the port on the top of the manifold, as shown. This port is a 1/4" FPT.

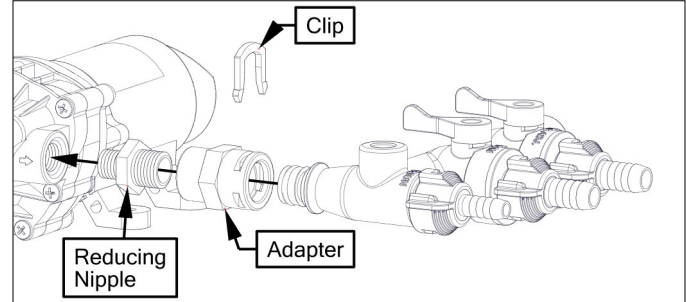
Make sure all hose clamps are tight.

You are now ready to test your sprayer with plain water, before actual use.

Optional Accessories



Connecting to Fimco ProSeries pumps with a 1/2" MPT, you will need to purchase:
3/4" Port to 1/2" Female NPT Adapter - #5005456
& Port Adapter Clip - #5005457



Connecting to a Fimco Bypass pump as well as some older Fimco pumps with 3/8" FPT, you will need to purchase:
1/2" MPT x 3/8" MPT Reducing Nipple - #5011145,
3/4" Port to 1/2" Female NPT Adapter - #5005456
& Port Adapter Clip - #5005457

Warranty

LIMITED WARRANTY FOR NEW FIMCO, IND. EQUIPMENT

WHO MAY USE THIS LIMITED WARRANTY. This limited warranty (the "Limited Warranty") is provided by Fimco, Ind. to the original purchaser ("you") of the Equipment (as defined below) from Fimco, Ind. or one of Fimco, Ind.'s authorized dealers. This Limited Warranty does not apply to any subsequent owner or other transferee of the Equipment. THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

WHAT THIS LIMITED WARRANTY COVERS AND FOR HOW LONG. Fimco, Ind. warrants that any new Equipment will be free from defects in material and workmanship for a period of **one (1) year** (homeowner), **90 days** (commercial user), after delivery of the Equipment to you (the "Warranty Period"). The Warranty Period is not extended if Fimco, Ind. repairs or replaces the Equipment.

WHAT IS NOT COVERED BY THIS LIMITED WARRANTY. This Limited Warranty does not apply to: (1) used Equipment; (2) any Equipment that has been altered, changed, repaired or treated since its delivery to you, other than by Fimco, Ind. or its authorized dealers; (3) damage or depreciation due to normal wear and tear; (4) defects or damage due to failure to follow Fimco, Ind.'s operator's manual, specifications or other written instructions, or improper storage, operation, maintenance, application or installation of parts; (5) defects or damage due to misuse, accident or neglect, "acts of God" or other events beyond Fimco, Ind.'s reasonable control; (6) accessories, attachments, tools or parts that were not manufactured by Fimco, Ind., whether or not sold or operated with the Equipment; or (7) rubber parts, such as tires, hoses and grommets.

HOW TO OBTAIN WARRANTY SERVICE. To obtain warranty service under this Limited Warranty, you must (1) provide written notice to Fimco, Ind. of the defect during the Warranty Period and within **thirty (30)** days after the defect becomes apparent or the repair becomes necessary, at the following address: Fimco, Ind., 1000 Fimco Lane, North Sioux City, SD 57049; and (2) make the Equipment available to Fimco, Ind. or an authorized dealer within a reasonable period of time. For more information about this Limited Warranty, please call: **800-831-0027**.

WHAT REMEDIES ARE AVAILABLE UNDER THIS LIMITED WARRANTY. If the conditions set forth above are fulfilled and the Equipment or any part thereof is found to be defective, Fimco, Ind. shall, at its own cost, and at its option, either repair or replace the defective Equipment or part. Fimco, Ind. will pay for shipping and handling fees to return the repaired or replacement Equipment or part to you.

LIMITATION OF IMPLIED WARRANTIES AND OTHER REMEDIES. THE REMEDIES DESCRIBED ABOVE ARE YOUR SOLE AND EXCLUSIVE REMEDIES, AND FIMCO, IND.'S SOLE LIABILITY, FOR ANY BREACH OF THIS LIMITED WARRANTY. TO THE EXTENT APPLICABLE, ANY IMPLIED WARRANTIES, INCLUDING, WITHOUT LIMITATION, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, SHALL BE LIMITED IN DURATION TO THE WARRANTY PERIOD, AND THE REMEDIES AVAILABLE FOR BREACH THEREOF SHALL BE LIMITED TO THE REMEDIES AVAILABLE UNDER THIS EXPRESS LIMITED WARRANTY. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU. IN NO EVENT SHALL FIMCO, IND.'S LIABILITY UNDER THIS LIMITED WARRANTY EXCEED THE ACTUAL AMOUNT PAID BY YOU FOR THE DEFECTIVE EQUIPMENT, NOR SHALL FIMCO, IND. BE LIABLE, UNDER ANY CIRCUMSTANCES, FOR ANY CONSEQUENTIAL, INCIDENTAL, SPECIAL OR PUNITIVE DAMAGES OR LOSSES, WHETHER DIRECT OR INDIRECT. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.