

OWNER'S MANUAL



Model: 20V-25-BL-ATV (5303068)
(25 Gallon Lawn & Garden/ATV Boomless Sprayer w/Volt Edge System)

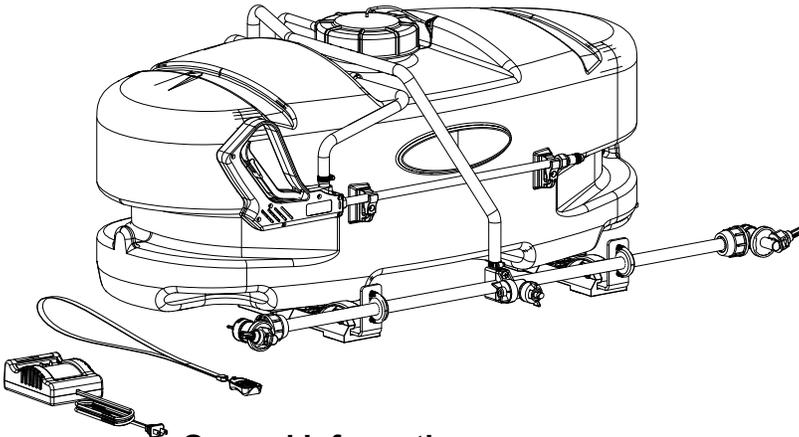
Technical Specifications

- 25 Gal. Corrosion-Resistant Polyethylene Tank
- 12 Volt Diaphragm Pump, 4.5 GPM - 60 PSI
- Volt Edge 20Vmax Lithium Ion System
3 Tanks, 33 Minutes Spraying &
75 Gallons per Charge
- Deluxe Pistol Grip Handgun
- 15 Ft. Handgun Hose (3/8" I.D.)
- 28 Ft. Vertical Throw, 40 Ft. Horizontal Throw
- 30 Foot Spray Coverage w/Boom
- Corrosion-Resistant Nozzles

Caution: When fully filled with water, this sprayer will weigh approx. 250 lbs.. Consult the owner's manual for your vehicle to verify that you are within it's load carrying capacity.

Assembly Instructions

- Make sure the contents of the sprayer's carton match the items shown on page 2 of the manual.
- Follow the steps on pages 3,4 & 5 to properly assemble the sprayer.
- The drain plug assembly should already be attached to the tank
- Read the operating instructions for both the sprayer and the Volt Edge system before use.



General Information

Thank you for purchasing this product. The purpose of this manual is to assist you in operating and maintaining your lawn & garden ATV sprayer.



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

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.

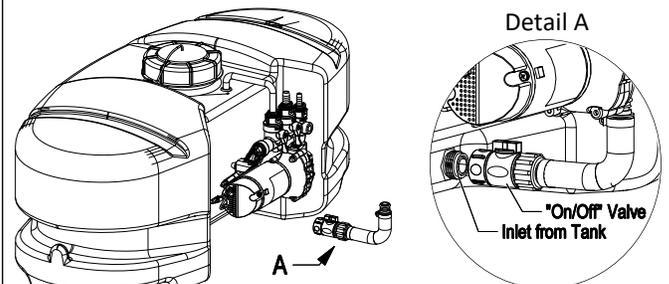
Warranted against manufacturer or workmanship defects from date of purchase with copy of receipt:



Homeowner Usage: Sprayer-One Year and Pump-Two Years.

Commercial Usage: Sprayer and Pump-90 Days.

IMPORTANT REMINDER



This sprayer comes with an On/Off (shut-off) valve located at the inlet location of the tank, towards the underside. (See Detail A). You must make sure the valve is in the "open" position before using your sprayer.



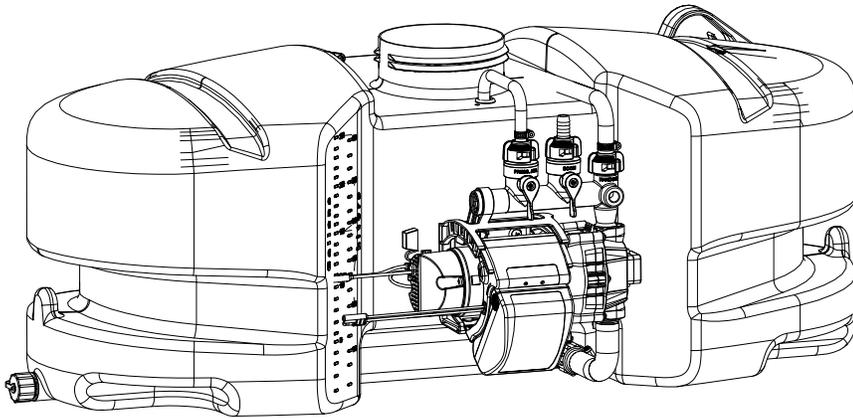
www.fimcoindustries.com

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

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Contents of your sprayer's carton (20V-25-BL-ATV - 5303068):

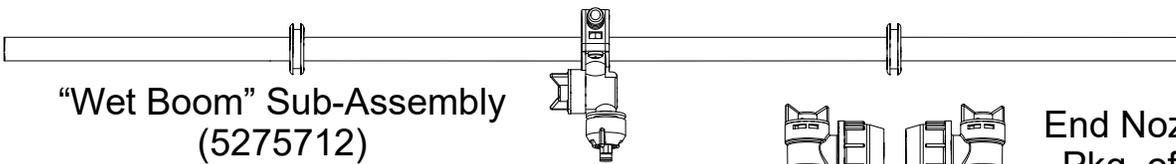
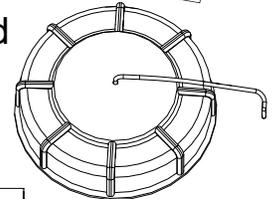


Tank/Plumbing Pre-Assembly

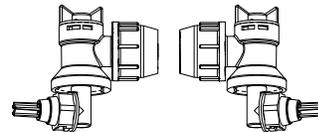
Owner's Manual



Lid w/Lanyard (#5058188)



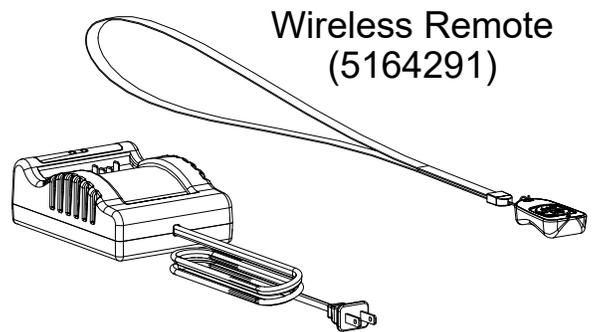
"Wet Boom" Sub-Assembly (5275712)



End Nozzle (5275122)
Pkg. of 2: #5275713

Contents of Parts Bag #5281511

| Ref. # | Part # | Description | Qty |
|--------|---------|---|-----|
| 1 | 5167097 | 2" Dry 100# Back Mount Gauge | 1 |
| 2 | 5117334 | #10-24 x 0.50 PH Round Head Mach. Screw | 2 |
| 3 | 5053112 | Handgun Clip - Deluxe | 2 |
| 4 | 5051114 | Hose Clamp (1/2") | 2 |
| 5 | 5034149 | 5/16-18 x 0.75 PH Flat Head Mach. Screw | 4 |
| 6 | 5006307 | 5/16-18 Serrated Flange Hex Nut | 4 |
| 7 | 5034220 | 5/16-18 x 1.3125 x 1.75 Round U-Bolt | 2 |



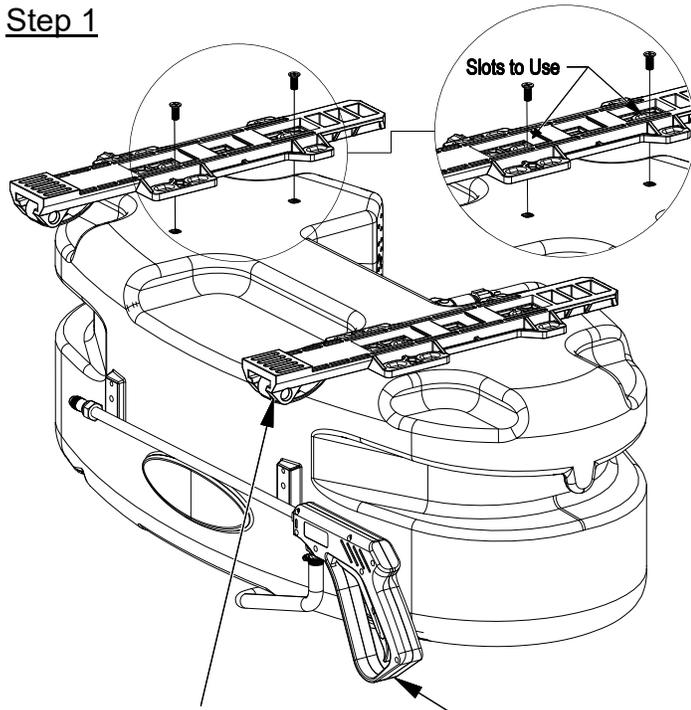
Wireless Remote (5164291)

20V, 1A Lithium Battery Charger (5164281)

Contents of Bracket Kit #5278138

| Ref. # | Part # | Description | Qty |
|--------|---------|------------------------------------|-----|
| 1 | 5278222 | ATV Quick Release Bracket Assembly | 2 |
| 1.1 | 5078223 | Cam Handle Assembly | 2 |
| 2 | 5038873 | Quick Release Boom Mount Bracket | 2 |
| 3 | 5020570 | Hose, 1/2"-1 Brd. x 48" | 1 |

Step 1



(**) 'Long' portion of the brackets should be facing towards the 'back' side of the tank (opposite of the pump/manifold assembly)

NOTE:
The Spray Gun will already be attached to the spray line hose

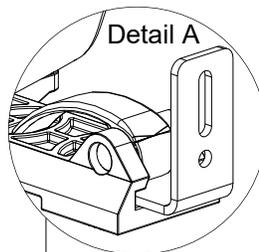
Assembly Procedure (20V-25-BL-ATV)

Normally, the sprayer will be mounted on an ATV with the pump assembly at the operator's back and the spray wand will be at the rear of the unit. Right Hand (RH) and Left Hand (LH) sides of the sprayer are determined as if you are standing behind the sprayer, looking at it (facing forward)

After removing the tank from the box, start the assembly procedure by turning the tank upside down on a stable, flat surface.

A phillips head screwdriver is required for this step.

(**) Mount tank brackets to the underside of the tank as shown in Step 1. Use (4) flat head screws to secure it to the tank. The tank will rest on the surface of the brackets. Make sure the brackets are parallel with each other before tightening down the bolts. Do not over-tighten.

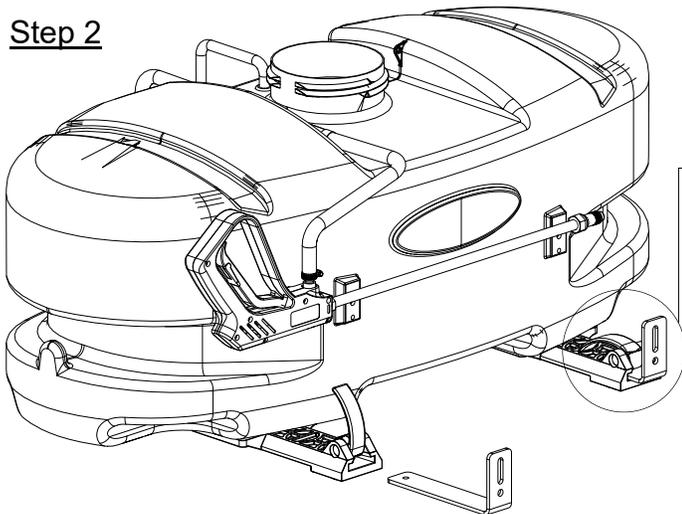


After your tank brackets are securely attached, turn the tank assembly over and position it so that the cam handles which extend beyond the back of the tank are facing you and just hanging over the edge of the table or flat surface you are assembling this on.

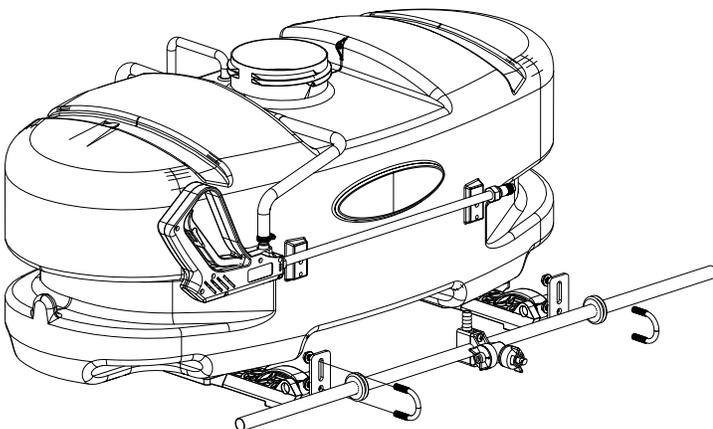
Secure the boom mounting brackets to the tank mounting brackets with Cam handles as shown in Detail A. You can position them as needed within the slot on the bracket. Just be sure that the surfaces of both brackets are even with each other.

You are now ready to mount this unit to an ATV, using ratchet straps (NOT INCLUDED)

Step 2



Step 3



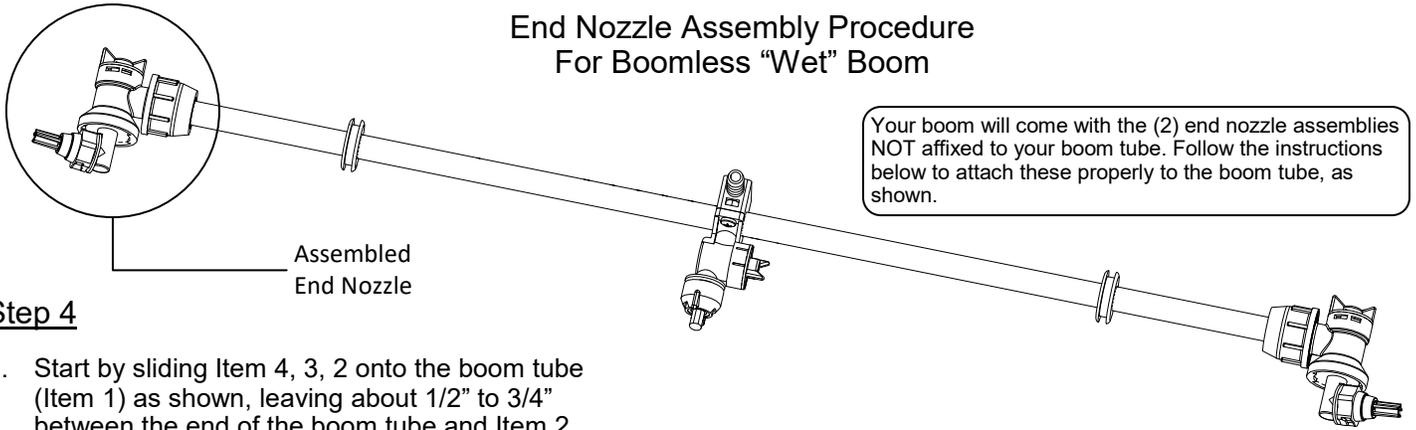
Attach the boom to the boom mounting brackets with the (2) u-bolts and (4) whiz locknuts. Make sure the u-bolts are positioned within the grooves of the grommets on the boom tube

NOTE: The purpose of these grommets is to prevent metal-to-metal contact between the u-bolts, boom tube and boom mounting brackets.

The grommets will 'compress' as you tighten the whiz locknuts onto the u-bolts. Tighten just so that the boom tube will NOT rotate within the grommets. Alternate the tightening of the locknuts to provide even pressure on the grommet.

****DO NOT OVER TIGHTEN the whiz locknuts, as this may cause the boom tube to flatten slightly!**

End Nozzle Assembly Procedure For Boomless "Wet" Boom



Your boom will come with the (2) end nozzle assemblies NOT affixed to your boom tube. Follow the instructions below to attach these properly to the boom tube, as shown.

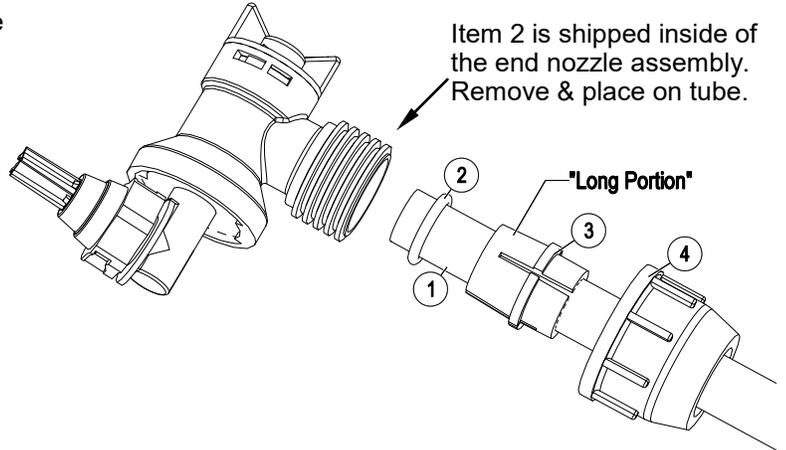
Assembled
End Nozzle

Step 4

1. Start by sliding Item 4, 3, 2 onto the boom tube (Item 1) as shown, leaving about 1/2" to 3/4" between the end of the boom tube and Item 2. Make sure the "Long" portion of Item 3 is facing the nozzle end.
2. Slide the (complete) end nozzle assembly onto the stainless steel boom tube, with a somewhat "twisting" motion, so that the end face of the boom tube "butts" up against the surface face inside the nozzle body.
3. Now push the "compression olive" (Item 3) against O-ring (Item 2) and slide (both) into the nozzle body opening firmly.
4. Firmly tighten flynut (Item 4) onto threads of nozzle body.

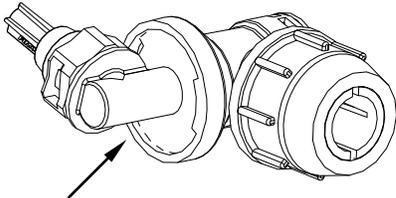
Repeat for other side.

NOTE: If water is shooting back on the boom tube, item 2 is not in the correct placement.



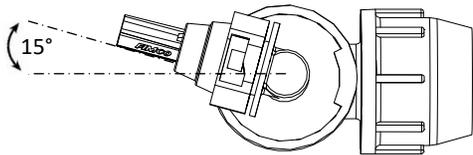
Item 2 is shipped inside of the end nozzle assembly. Remove & place on tube.

End Nozzle Information (5275122)



This nozzle mounting stem
Has a ratcheting motion.

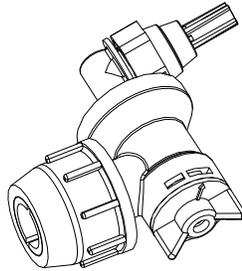
** Each "click" of the ratcheting motion is approx. 15° **



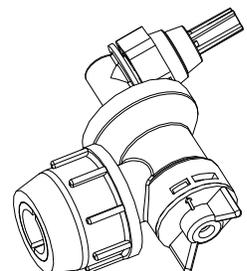
For proper/optimal spray coverage,
The nozzle must be at a 15° angle

The 15° angle shown will prevent the outer
Nozzles from overlapping with the center nozzle.

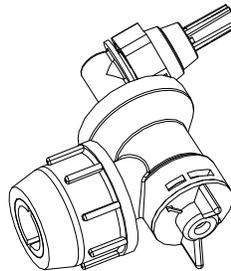
"On/Off" Valve Positions



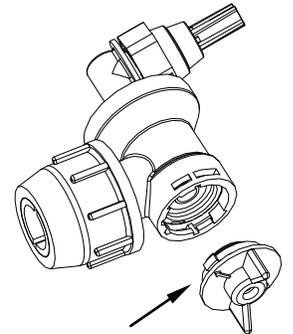
Valve "Open"



Valve "Closed"



Service Position



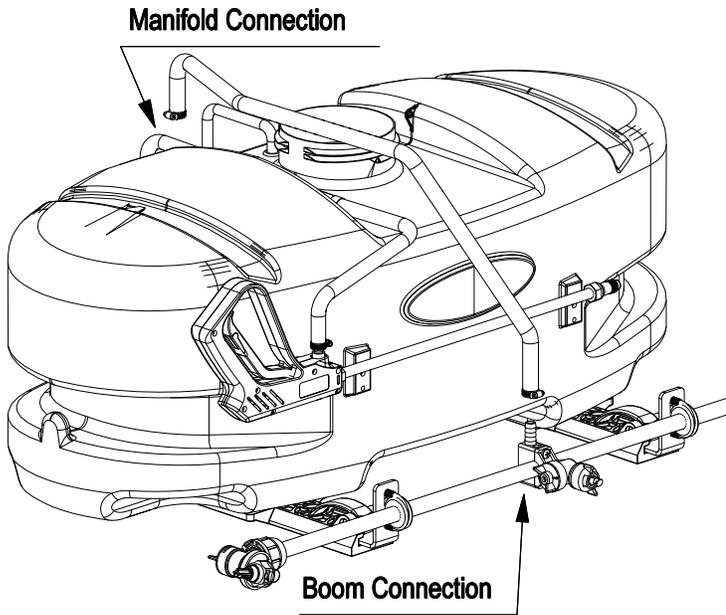
On/Off Valve Knob

Eliminate line pressure, then pull out
to check diaphragm condition.

Note: The check valve & diaphragm can fall out during transport, if the knob is not turned to the "ON" or "OFF" position.

Step 5

Assembly Procedure (20V-25-BL-ATV)



After your boom is attached, locate the 48" hose and the (2) hose clamps from the parts bag.

Place the hose clamps over each end of the hose loosely. Slip the ends of the hose over the hose barb on both the manifold and on the center nozzle. Use a twisting motion, if necessary, to get the hose fully onto each barb. Bring the hose clamps to the connection point and tighten securely.

NOTE:

Make sure this boom feeder hose does not end up on the 'outside' of the spray wand hose, otherwise unwrapping the spray wand hose from around the tank may be difficult.

Detail A: Install the pressure gauge. Hand tighten securely. **** DO NOT OVER-TIGHTEN ****

Detail B: Screw the lid onto the tank. Place the end of the lanyard through the tab in the tank. This is so the lid can 'hang' off the tank when filling/rinsing the tank out.

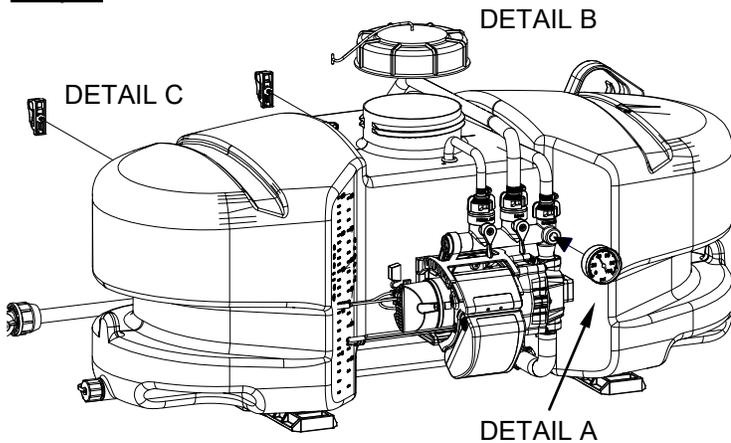
Detail C: Locate the (2) clips and (2) phillips head machine screws from the parts bag.

A phillips head screwdriver is required for this step
Place a screw through the hole in the clip and bring it up to the tank, where the embossments for the clips are (located on the rear side of the tank) Secure the clip/screw to the tank. Tighten so that the clip is secure. Do this for each clip.

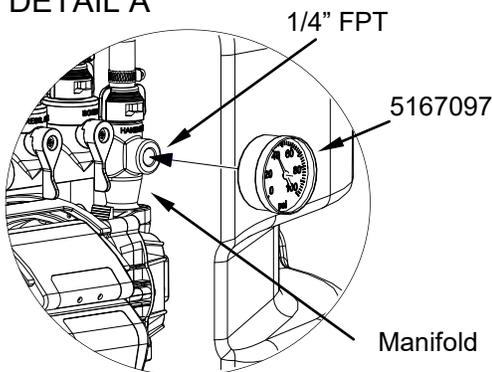
**** DO NOT OVER-TIGHTEN ****

The spray wand will snap into the clips once installed. Do not use excessive force when placing the spray wand into the clips, as this could cause the clips to break.

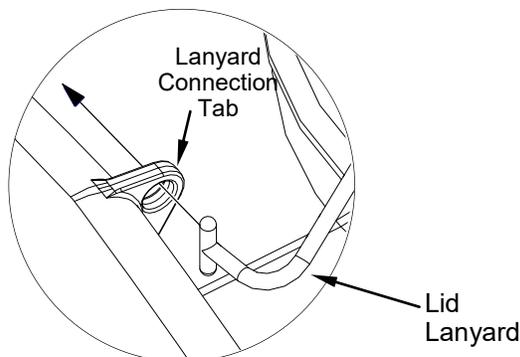
Step 6



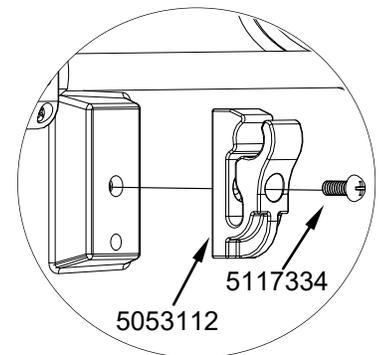
DETAIL A



DETAIL B



DETAIL C



***** The Sprayer should now be ready for use *****

IMPORTANT: Remove tank lid and be sure the tank is clean and free of any foreign material. Rinse tank out of any tank residue before filling with water to test.

Testing the Sprayer

NOTE:

It is VERY important for you to test your 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.

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). 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 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 valve. Regulating pressure is done in this manner.

Read the operating instructions and initially begin spraying by closing the 'Pressure Adjust' valve and opening the boom line valve (Detail A). 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!

Operation

The pumping system draws solution from the tank, through the strainer and to the pump. The pump forces the solution under pressure to the handgun or boom nozzles.

NOTE: Read and follow the Volt Edge instructions, later in this manual, for charging and operation of the 20Vmax Lithium Ion System

Fill the tank part way with water and then add the desired amount of chemical to be sprayed. Finish filling tank to proper level. Turn the pump on and by depressing the "-" side of the rocker switch. The pump is equipped with a pressure switch that is pre-set at the factory to shut the pump off when all discharges are closed.

The pump will turn back on when one of the following actions occurs:

- ◆ Handgun lever is squeezed to spray the handgun.
- ◆ Boom valve is opened to broadcast spray with the boom.
- ◆ Bypass valve is opened to re-circulate solution back into the tank.
- Rotating the adjustable nozzle tip on the handgun will change the tip pattern from a straight stream to a cone pattern (fine mist)

- The (3) nozzles are fixed at 17-1/2" spacing
- All (3) nozzles spraying at the same time will allow a maximum coverage of 30 feet
- The center nozzle will spray an 80" swath
- Each of the (3) nozzles has a shutoff valve, so you can shut off each nozzle individually. This may help in achieving the actual coverage needed for your application.

When spraying with either the boom or the handgun, pressure may be reduced by slowly opening the bypass 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 valve until that pressure is obtained.

For the safest and most efficient chemical application, you will need to calibrate your sprayer using the tip and speed charts. Once you have determined the proper speed and pressure settings, you will need to consult your chemical label for the amount of chemical to be added to the tank. Read the entire label. Use only according to label directions.

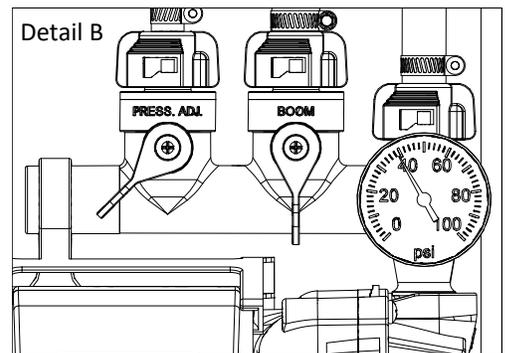
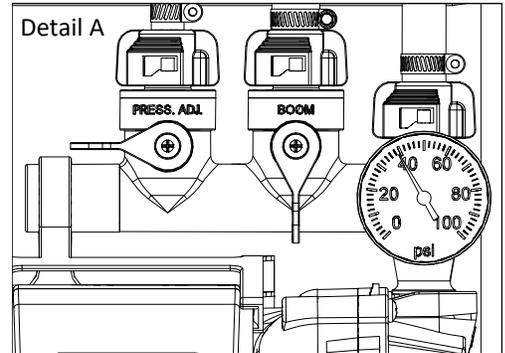
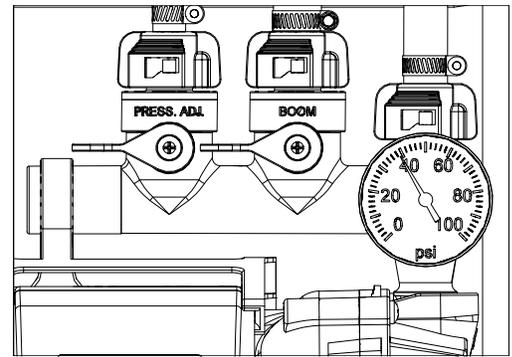
Calibration

Chemical labels may show application rates in gallons per acre, gallons per 1000 square feet or gallons per 100 square feet. You will note that the tip chart shows 3 of these rating systems. Once you know how much you are going to spray, then determine (from the tip chart) the spraying pressure (PSI), and the spraying speed (MPH).

Determining the proper speed of the pulling vehicle can be done by marking off 100, 200 & 300 feet. The speed chart indicates the number of seconds it takes to travel the distances. Set the throttle and with a running start, travel the distances. Adjust the throttle until you travel the distances in the number of seconds indicated by the speed chart. Once you have reached the throttle setting needed, mark the throttle location so you can stop and go again, returning to the same speed.

Add water and proper amount of chemical to the tank and drive to the starting place for spraying.

Manifold Valves CLOSED



| Speed Chart | | | |
|-------------------------------------|---|----------|----------|
| Speed in M.P.H. (Miles Per Hour) | Time Required in seconds to travel a distance of | | |
| | 100 Ft. | 200 Ft. | 300 Ft. |
| 1.0 | 68 sec. | 136 sec. | 205 sec. |
| 2.0 | 34 | 68 | 102 |
| 3.0 | 23 | 45 | 68 |
| 4.0 | 17 | 34 | 51 |
| 5.0 | 14 | 27 | 41 |
| 6.0 | 11 | 23 | 34 |
| 7.0 | 9.7 | 19 | 29 |
| 8.0 | 8.5 | 17 | 26 |
| 9.0 | 7.6 | 15 | 23 |
| 10.0 | 6.8 | 14 | 20 |

Using the Boom Nozzles

Four things must be considered before spraying with the boom.

1. How much chemical must be mixed in the tank.
 2. Rate of spray (gallons per acre to be sprayed).
 3. What pressure (p.s.i.) will be used.
 4. Speed traveled (mph) while spraying.
- * Refer to the chemical label to determine your chemical mixture
 - * See the tip chart to determine the pressure to be used. The chart will also show the speed used when spraying.
 - * Start the pump and open the valve to the boom nozzles.
 - * Check the spray pattern. Usually you can see the coverage better on a solid concrete surface, such as a driveway.
 - * Approximate height: 33"

Maintenance During/After Spraying

Periodically check the strainer and clean the screen on your intake line.
Proper care and maintenance will prolong the life of your sprayer.

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 the entire plumbing system and nozzles. Drain and then refill half full, add the 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). 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.
If boom or handgun nozzles need cleaning, remove them from the sprayer and soak in warm soapy water. Clean with a soft bristled brush or toothpick if necessary. Never use a metal object. Even the slightest damage can change the flow rate and spray distribution. Water rinse and dry the tips before storing.

WARNING: Some chemicals will damage the pump valves if allowed to soak untreated for a length of time! ALWAYS flush the pump as instructed after each use. DO NOT allow chemicals to sit in the pump for extended times of idleness. Follow the chemical manufacturer's instructions on disposal of all waste water from the sprayer.

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.

| Rate Chart for Boomless Nozzle (Set of 3) | | | | | | | | |
|---|-----------------------------|-------|-------|-------|-------|-------|-------|-------|
| Gallons per Acre Based on Water - 17-1/2" Spacing | | | | | | | | |
| Pressure P.S.I. | Capacity G.P.M. (3 Nozzles) | 1 MPH | 2 MPH | 3 MPH | 4 MPH | 5 MPH | 6 MPH | 8 MPH |
| 20 | 1.68 | 28.0 | 14.0 | 9.4 | 7.0 | 5.6 | 4.7 | 3.5 |
| 30 | 2.05 | 34.4 | 17.2 | 11.4 | 8.6 | 6.9 | 5.7 | 4.3 |
| 40 | 2.40 | 39.6 | 19.8 | 13.2 | 9.9 | 7.9 | 6.6 | 5.0 |
| Gallons per 1000 Sq. Ft. Based on Water - 17-1/2" Spacing | | | | | | | | |
| Pressure P.S.I. | Capacity G.P.M. (3 Nozzles) | 1 MPH | 2 MPH | 3 MPH | 4 MPH | 5 MPH | 6 MPH | 8 MPH |
| 20 | 1.68 | 0.64 | 0.32 | 0.21 | 0.16 | 0.13 | 0.11 | 0.08 |
| 30 | 2.05 | 0.78 | 0.39 | 0.26 | 0.20 | 0.16 | 0.13 | 0.10 |
| 40 | 2.40 | 0.90 | 0.45 | 0.30 | 0.23 | 0.18 | 0.15 | 0.12 |
| Gallons per 100 Sq. Ft. Based on Water - 17-1/2" Spacing | | | | | | | | |
| Pressure P.S.I. | Capacity G.P.M. (3 Nozzles) | 1 MPH | 2 MPH | 3 MPH | 4 MPH | 5 MPH | 6 MPH | 8 MPH |
| 20 | 1.68 | 0.064 | 0.032 | 0.021 | 0.016 | 0.013 | 0.011 | 0.008 |
| 30 | 2.05 | 0.078 | 0.039 | 0.026 | 0.020 | 0.016 | 0.013 | 0.010 |
| 40 | 2.40 | 0.090 | 0.045 | 0.030 | 0.023 | 0.018 | 0.015 | 0.012 |

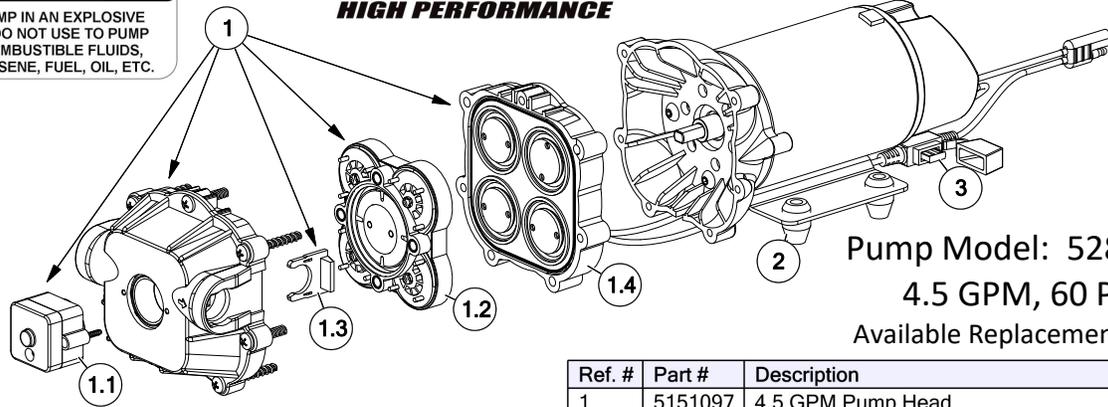
** The rate of spray as shown in the chart will remain the same with 1, 2 or 3 Nozzles **
The only difference will be with the width of the spray swath

| Troubleshooting | |
|------------------------|--|
| Pump will not run: | Check for loose wiring |
| | Make sure the ON/OFF switch is on |
| | Check the fuse |
| | Check for defective pressure switch |
| Low Pressure/Low Flow: | Check for a clogged strainer |
| | Check for proper voltage |
| | Check for worn or dirty check valve |
| Pump surges: | Low flow may cause pump to surge |
| | Spray wand is adjusted for a small or fine spray pattern |
| | Slightly open bypass (if applicable) to overcome |
| | If needed, pressure switch may need to be adjusted Quarter turn at a time clockwise until surging stops |
| Pump continues to run: | Bypass (if applicable) is not completely closed |
| | System has leaks |
| | Check that shut-off valve on inlet (if applicable) is open |
| | Check for worn or dirty check valve |
| Fuse blows: | Excessive voltage |
| | Improper adjustment of pressure switch |
| | Defective pressure switch |

STOP WARNING STOP

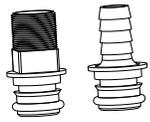
DO NOT USE PUMP IN AN EXPLOSIVE ENVIRONMENT. DO NOT USE TO PUMP FLAMMABLE/COMBUSTIBLE FLUIDS, GASOLINE, KEROSENE, FUEL, OIL, ETC.

HIGH FLO
HIGH PERFORMANCE



Pump Model: 5281372
4.5 GPM, 60 PSI
Available Replacement Parts

Replacement Pump: 5151088



Includes:
1/2" MNPT Port Kit Fitting #5168832
1/2" Hose Barb Port Kit Fitting #5168833

| Ref. # | Part # | Description | Qty |
|--------|---------|--|-----|
| 1 | 5151097 | 4.5 GPM Pump Head | 1 |
| 1.1 | 5164271 | 60 PSI Pressure Switch | 1 |
| 1.2 | 5168824 | Check Valve w/O-Ring | 1 |
| 1.3 | 5051162 | Pump Slide Clips (Pkg/2) | 1 |
| 1.4 | 5063271 | 4.5 GPM Diaphragm/Piston/Cam/Bearing Kit | 1 |
| 2 | 5075019 | Grommets (Pkg/4) | 1 |
| 3 | 5157206 | 15 Amp 'Mini Blade' Fuse | 1 |

DO

- Clean and rinse your pump after each use with Fimco Tank Neutralizer
- Winterize your pump or sprayer by rinsing, draining and running RV Antifreeze through it before storing for the winter.
- Use clean water for your spray mixture
- Store inside a building when not in use.

DON'T

- Use to pump bleach.
- Use to pump petroleum products such as diesel fuel, gasoline or kerosene
- Leave your pump sit with spray mixture in it for extended periods
- Use dirty or unfiltered water for spraying

CAUTION

PRESSURE SWITCH OPERATION

Pressure switch is pre-set at the factory. Improper adjustment of the pressure switch, may cause severe overload or premature failure. If the pump is subjected to rapid cycling during normal operation, or infrequent periods, damage may occur.

Troubleshooting the Pump:

Motor does not run:

- Check for loose wiring connection(s).
- Check for defective pressure switch.
- Check the fuse.
- Check for low voltage at the power supply.

Pump does not prime:

- Check for air leaks in supply line.
- Check for debris in the check valve assembly.
- Check for defective check valve.
- Check for clogged strainer/filter.
- Check for cracks in the pump housing.
- Check for empty product supply.

Low Pressure/Low Flow:

- Check for leaks in the discharge line.
- Check for restriction in the discharge line.
- Check for debris in nozzle orifice.
- Check for clogged strainer.
- Check for proper voltage—try another battery or recharge battery.

Pulsating flow (surging):

- Low flow may cause pump to surge.
- Spray wand is adjusted for a small or fine spray pattern.
- Slightly open bypass (if applicable) to overcome.
- If needed, pressure switch may need to be adjusted—adjust a quarter turn at a time clockwise until surging stops.
- Check for defective pressure switch.
- Check for leaks in the discharge line.
- Check for restriction in the discharge line.
- Check for debris in nozzle orifice.
- Discharge hose may be too long.
- Check for clogged strainer.

Motor continues to run after discharge is shut off:

- Check for empty product supply.
- Check for open bypass valve. (if equipped)
- Check for low voltage.
- Check for leak in discharge line.
- Check for defective pressure switch.
- System has leaks.

Fuse blows:

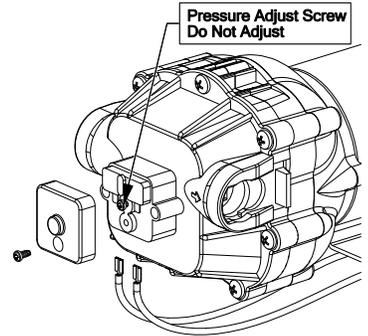
- Excessive voltage.
- Improper adjustment of pressure switch.
- Defective pressure switch.

Checking the Pressure Switch:

If your motor is not running and you've checked the following: for loose wiring connections, fuse, and made sure you were connected to a fully charged battery and everything is fine, but the motor won't run, then it's time to check to see if the pressure switch is bad.

- Remove the cover off the 1" square box (pressure switch) on the head of the pump, the cover is held on by one phillips-head screw. This will expose the two red wires.
- With the pump connected to a good 12 volt power source and everything on.
- Slip the two red wires off the terminals and touch them together.

If the motor runs, it means the pressure switch is bad and needs to be replaced.



Warning: It is NOT recommended to run the pump this way, as the pump will continue to run and not shut off.

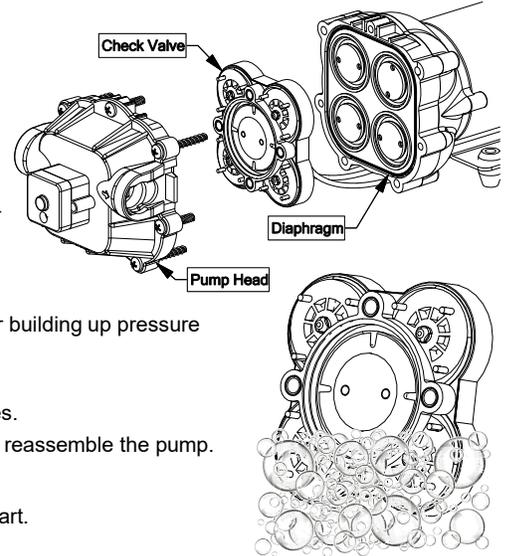
This could result in blown hoses when all discharges are closed. Also, this could result in premature failure of the pump completely.

Cleaning the Check Valve:

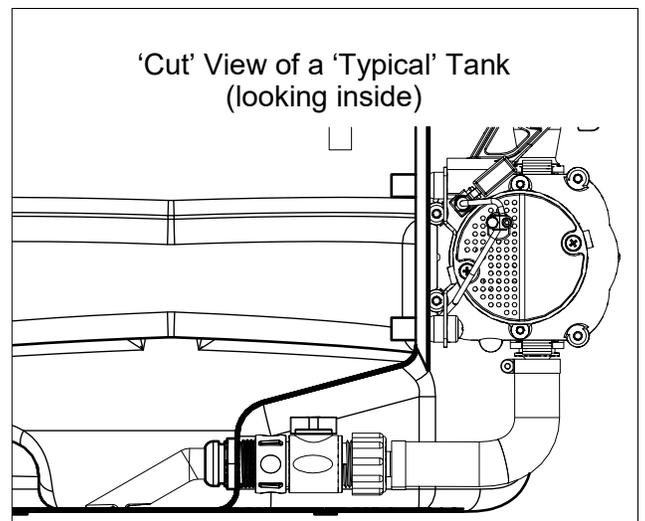
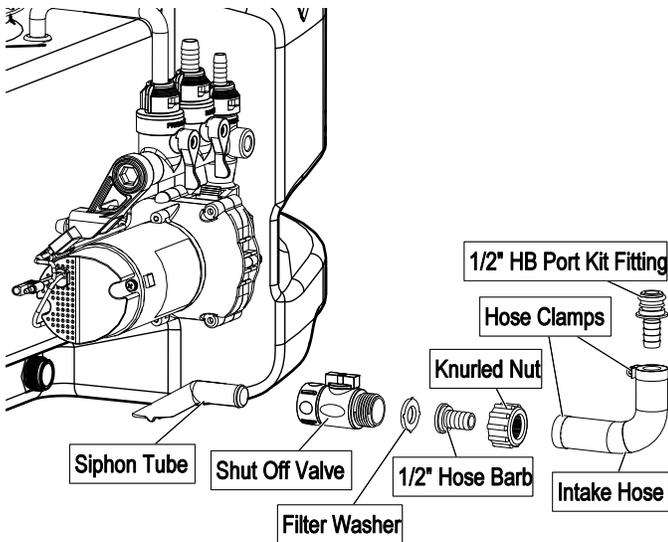
If you're experiencing little to no pressure or the pump is not priming and you've checked your filter screen and it's clean, and you've gone through the other trouble shooting tips, you may need to clean the check valve.

- Remove the head of the pump, which is held on by 7 screws.
- The first piece inside the head of the pump is called a check valve, it's the part responsible for building up pressure and pumping water/solution through the lines.
- Clean the check valve under hot, soapy water (such as a good grade dish soap).
- Give it a very light scrubbing with something like an old toothbrush, something with soft bristles.
- Then let it soak for about an hour or so in the hot soapy solution and replace in the pump and reassemble the pump.

Most times this will restore most, if not all of the prime of a pump. If you're still having issues with pressure after this step, it would be recommended to replace this part.



Intake/Siphon Tube/Screen Detail of a Typical L&G/ATV Sprayer (not including the 'EC'Units)

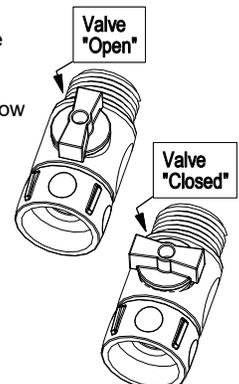


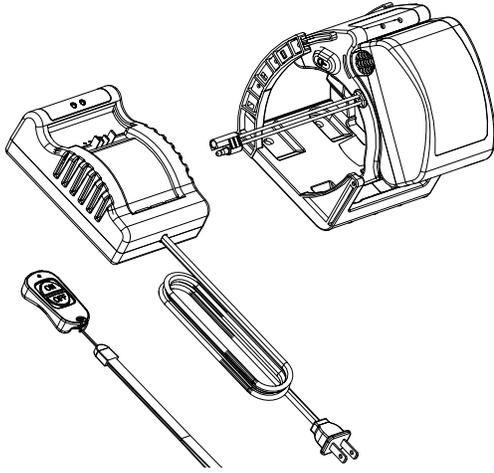
The suction line of your sprayer should contain a 'siphon tube' or intake tube which should be rotated so that it just touches the bottom of the tank surface. (see Detail Views). Reach in and rotate it, as needed, if not already in this position.

A shut-off valve is threaded onto the pipe nipple at the intake location on the tank. It is at this location so you can shut off the flow of solution to access your system's screen for cleaning.

Checking/Cleaning the sprayer's filter/screen:

- ◆ Start your pump and before it shuts off, reach down and shut the valve to the 'Closed' position (lever is perpendicular to the flow of fluid), then shut off your pump.
- ◆ Unscrew the knurled nut from the shut-off valve, leaving the valve connected to the tank.
- ◆ Swing (swivel) the intake assembly towards you. Look in the nut you JUST unscrewed. There is a screen/washer there.
- ◆ Remove the screen and clean as necessary. Replace when done and reassemble the entire assembly.
- ◆ Make sure the valve is turned to the 'Open' position before restarting your pump.





20V, 5A Lithium Battery Kit (5281506)

Instruction Manual for Volt Edge 20V max* Li-ion Battery Charger

* Maximum initial battery pack voltage (measured without a workload) is 20 volts. Measured under workload, nominal voltage is 18 volts.

The label on your product may include the following symbols.

V volts

A Amperes

Hz Hertz

Ah Amp hours

— Direct Current

 Safety Alert Symbol

Wh Watt Hours

~ Alternating Current

 Read Owner's Manual

 Recycle Battery

Important Safety Instructions - Save These Instructions.

This manual contains important safety instructions for the components.

Warning: Before using, read and follow all instructions and cautionary markings on charger, battery pack and product using battery pack.

Warning: To reduce the risk of injury, basic safety precautions should always be followed including:

- Do not incinerate the battery pack, even if it is severely damaged or is completely worn out. The battery pack can explode in a fire. Toxic fumes and materials are created when the battery packs are burned.
- Do not charge or use battery in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Inserting or removing the battery from the charger may ignite the dust or fumes.
- If battery contents come into contact with the skin, immediately wash area with mild soap and water. If battery liquid gets into the eye, rinse water over the open eye for 15 minutes or until irritation ceases.
- Contents of opened battery cells may cause respiratory irritation. Provide fresh air. If symptoms persist, seek medical attention.

Warning: To reduce the risk of injury, basic safety precautions should always be followed including:

- Charge battery packs only in Volt Edge 20V max Lithium-ion compatible chargers.
- Do not store or charge the battery pack in locations where the temperature may reach above 95°F (35°C) or below 40°F (4°C).
- Do not use the battery pack in locations where the temperature may reach above 120°F (49°C) or below -4°F (-20°C).

Warning:

Never attempt to open the battery pack for any reason. If the battery pack case is cracked or damaged, do not insert into charger or other Volt Edge products. Do not crush, drop or damage battery pack. Do not use battery pack or charger that has received a sharp blow, been dropped, run over or damaged in any way. Damaged battery packs should be taken to a lithium battery recycling center.

Warning:

Fire hazard. Do not store or carry battery so that metal objects can contact exposed battery terminals. Transporting batteries can possibly cause fires, if the battery terminals inadvertently come in contact with conductive materials.

Warning:

Shock hazard. Do not allow any liquid to get inside charger.

Warning:

Burn hazard. To reduce the risk of injury, charge only designated Volt Edge 20Vmax batteries. Other types of batteries may burst, causing personal injury and damage.

Caution:

Under certain conditions, with the charger plugged into the power supply, the charger can be shorted by foreign material. Foreign materials of a conductive nature, such as, but not limited to, steel wool, aluminum foil or any buildup of metallic particles should be kept away from charger cavities. Always unplug the charger from the power supply when there is no battery pack in the cavity. Unplug charger before attempting to clean.

Warning:

- Do not attempt to charge the battery pack with any chargers, other than the ones in this manual. The charger and battery pack are specifically designed to work together.
- The chargers are not intended for any uses other than charging designated Volt Edge 20Vmax Lithium-ion batteries. Any other uses may result in risk of fire, electric shock or electrocution.
- Be sure voltage selector is in correct voltage position before plugging in.
- For use in the U.S.A., the voltage selector switch must be placed in the 120 volt position. For use in countries, other than the U.S.A., the voltage selector may need to be placed in other than the 120 volt position. Confirm the voltage available at each country location before using this product.
- Do not expose charger to rain or snow.
- Pull by plug, rather than cord when disconnecting charger. This will reduce the risk of damage to electric plug and cord.
- If the shape of the plug does not fit the power outlet, use an attachment plug adaptor of the proper configuration for the power outlet.
- Make sure that cord is located so that it will not be stepped on, tripped over or otherwise subjected to damage or stress.
- Do not use an extension cord, unless it is necessary. Use of improper extension cord could result in risk of fire, electric shock or electrocution.
- Do not operate charger with damaged cord or plug.
- Do not operate charger if it has received a sharp blow, been dropped or otherwise damaged in any way.
- Do not disassemble the charger.
- Disconnect the charger from the outlet before attempting any cleaning. This will reduce the rise of electric shock. Removing the battery pack will not reduce this risk.
- The charger is designed to operate on standard household electric power (120V). Do not attempt to use it on any other voltage.
- The power unit is intended to be correctly oriented in a vertical or floor mount position.

Declaration of Conformity:

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- 1) This device may not cause harmful interference.
- 2) This device must accept any interference received, including interference that may cause undesired operation.

This device complies with:

- Appendix Y to Subpart B of Part 430-Uniform Test Method for Measuring the Energy Consumption of Battery Chargers. DOE energy conservation standards specified in the Code of Federal Regulations at 10 CFR 430.32(z).
- This device complies with CEC, Section 1605.1(w) of energy efficiency standards for federally regulated battery chargers of California Code of Regulations.
- This device complies with NRCAN(EEV), CSA-C381.2-17 May 2017 and Canada's Energy Efficiency Regulations.
- This device complies with cETLus certification based on Conforms to UL STD.1310 Certified to CSA STD.CC22 NO.223.

Storage Recommendations:

- The best storage place is one that is cool and dry, away from direct sunlight and excess heat or cold.
- Long storage will not harm the battery pack or charger.
- Do not store a battery connected to a charger.

Charging Instructions:

The battery pack is not fully charged out of the carton. Before using the battery pack and charger, read the safety instructions below. Then follow charging procedure.

Charging Procedure

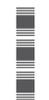
1. Plug the charger into an appropriate outlet before inserting the battery pack. The green LED will flash once indicating the charger is ready to use.
2. Insert the battery pack into the charger.
3. The green LED will flash indicating the battery is being charged.



4. The completion of charger is indicated by the green LED remaining on continuously. The pack is fully charged and may be used at this time or left on the charger.
 - a. Recharge discharged batteries as soon as possible after use or battery life may be greatly diminished. For longest battery life, do not discharge batteries fully. It is recommended that the batteries be recharged after each use.



5. If the battery remains on the charger for more than 2 hours after charging is complete, the green LED will slowly blink.



Charger Diagnostics

This charger is designed to detect certain problems that can arise with the battery packs or the power source. Problems are indicated by the red and green LEDs.



Temperature Delay

When the charger detects a battery that is excessively hot or excessively cold, it automatically starts a Temperature Delay, suspending charging until the battery temperature returns to acceptable temperatures. The red LED will flash indicating the battery is outside the required temperature range and not charging. Once the temperature is within the required range, charging will begin.



Broken Battery

The charger can detect a weak or damaged battery. The red and green LED will alternate flashing. If you see this warning, do not continue to charge the battery and remove the battery from the charger.

Leaving the battery in the charger.

The charger and battery pack can be left connected with the green LED indicating the charger is maintaining the battery continuously. The charger will keep the battery pack fresh and fully charged.

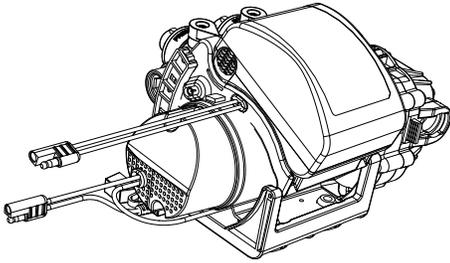
Important charging notes:

1. Longest life and best performance can be obtained if the battery pack is charged with the air temperature is between 50°F (10°C) and 80°F (26°C).
2. The charger and battery pack may become warm to the touch while charging. This is normal and does not indicate a problem. Ensure the vents are not blocked to allow cooling.
3. The battery pack should be recharged when it no longer powers the equipment. Do not continue to attempt using the battery if low power is indicated. You may recharge a partially discharged battery pack without damaging the battery pack.
4. Do not freeze or submerge the charger in water or any other liquid.

Warning:

Shock Hazard. Do not allow any liquid to get inside the charger. Never attempt to open the battery pack for any reason. If the plastic housing of the battery pack breaks for cracks, return to a recycling center and replace the charger.

The receiver is designed to power all High-Flo 12V pumps. The receiver will output 12V DC and is limited to 15A max. current.



To install the receiver, the pump will be removed. The base plate and adjustable support will be placed under the pump and screwed down with the longer screws supplied in the kit. The receiver has already been pinned to the base plate, but it can be removed to make screw installation easier by sliding the pin out. Then the receiver is slid into the adjustable support bracket. It will click into the first position, sized for the Pro Series pumps and the 4.5 pump.

4.5 GPM Pump w/Manifold Configuration:

Place pump on base plate and screw down to tank or frame, using the (3) #10-24 x 1-1/4" and (1) #10-24 x 1-1/2" screws. The 1-1/2" screw goes through the manifold support bracket. Click the receiver into the first position of the adjustable support.

Operating Procedure:

1. Charge the battery following the charging procedure.
 2. Ensure all fasteners are tight and pump connections are secure.
 3. Install the battery ensuring the base is connected and it is fully seated.
 4. Press the power button and confirm the green LED turns on. Signaling the power is on.
- 
5. Test the remote by pressing the OFF button on the remote and both green and red receiver LEDs will turn on. Signaling the power output is off while the power is on.
 6. Press the ON button on the remote. The red LED will turn off and power output will return.
 7. Press the power button again to turn the receiver off.
 8. Connect the receiver 2-pin connector to the pump.
 9. Press the power button to turn the receiver on and the pump will run.
 10. When spraying is complete press the power button to turn off the receiver.
 11. Recharge the battery to properly maintain the battery pack.

Receiver Diagnostics:

The receiver is designed to detect certain problems that can arise with the battery packs or the pump. Problems are indicated by the red and green LEDs.

Battery Life



When the battery is approaching fully discharged, the green LED will begin to flash. When the battery is fully discharged, power will stop being supplied to the pump and the green LED will continue flashing. Power off the receiver and charge the battery.

Protection Mode



When the receiver identifies a problem with the pump, the power output will stop and the red LED will flash and the green LED will remain illuminated. The red LED will blink in cycles to identify the problem. Press the power button turning the receiver off to reset the system. Wait 30 seconds and press the power button to resume operation.

Red LED flashing two times: Open circuit protection. The receiver power is on without powering consumption.

Red LED flashing three times: Incorrect voltage. Voltage being supplied to the receiver is outside the range.

Red LED flashing four times: High current protection. The pump has drawn current above the limit.

Red LED flashing ten times: Temperature protection. The system has measured the temperature to be outside safe operating temperatures.

Remote Button Identification:

The small LED at the top of remote turns red when transmitting.

The red LED is also the pairing button.

The 'ON' button will only turn on the Volt Edge Receiver.

The 'OFF' button will only turn off the Volt Edge Receiver.



Pairing Procedure:

1. Ensure the receiver power cord is not connected.
2. Install a charged battery pack into the receiver.
3. Power ON the Volt Edge receiver. Within 15 seconds press and hold the pairing button for 5 seconds. The green LED on the receiver will quickly turn off and back on when pairing is successful.
4. Power OFF the Volt Edge receiver.
5. Power ON the Volt Edge receiver and press the OFF and then ON button to confirm pairing is successful.

Storage Recommendations:

- The best storage place is one that is cool and dry, away from direct sunlight and excess heat, cold or moisture.

Remote Capabilities:

- The remote can control the receiver up to 50 feet away. Obstructions and radio interference can reduce the effective distance.
- A remote can be paired to multiple receivers at one time.
- A receiver can only be paired to one remote at a time.
- A receiver/remote relationship can only be separated by pairing with another remote.

FCC WARNING:

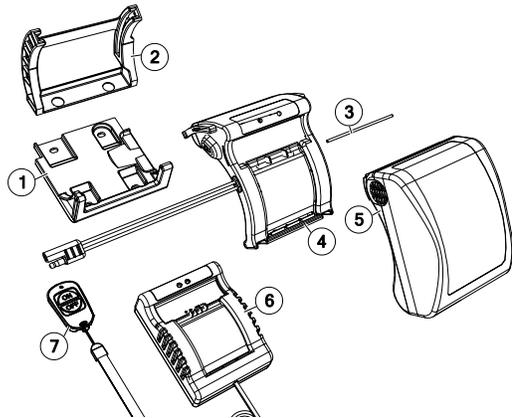
Please note that changes or modifications of this product is not expressly approved by the party responsible for compliance, could void the user's authority to operate the equipment.

FCC STATEMENT:

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- ◇ Reorient or relocate the receiving antenna.
- ◇ Increase the separation between the equipment and receiver.
- ◇ Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- ◇ Consult the dealer or an experienced radio/TV technician for help.



**Exploded View/Parts List
20V, 5A
Lithium Battery Kit (5281506)**

| Ref. # | Part # | Description | Qty |
|--------|---------|---------------------------------|-----|
| 1 | 5058222 | 20V Receiver Base Plate | 1 |
| 2 | 5058223 | 20V Receiver Adjustable Support | 1 |
| 3 | 5058224 | SS Receiver Pin 3mm X 108mm | 1 |
| 4 | 5164285 | 20V Battery Receiver 15A | 1 |
| 5 | 5164275 | 20V 5AH Lithium Battery Pack | 1 |
| 6 | 5164281 | 20V 1A Lithium Battery Charger | 1 |
| 7 | 5164291 | Wireless Remote | 1 |

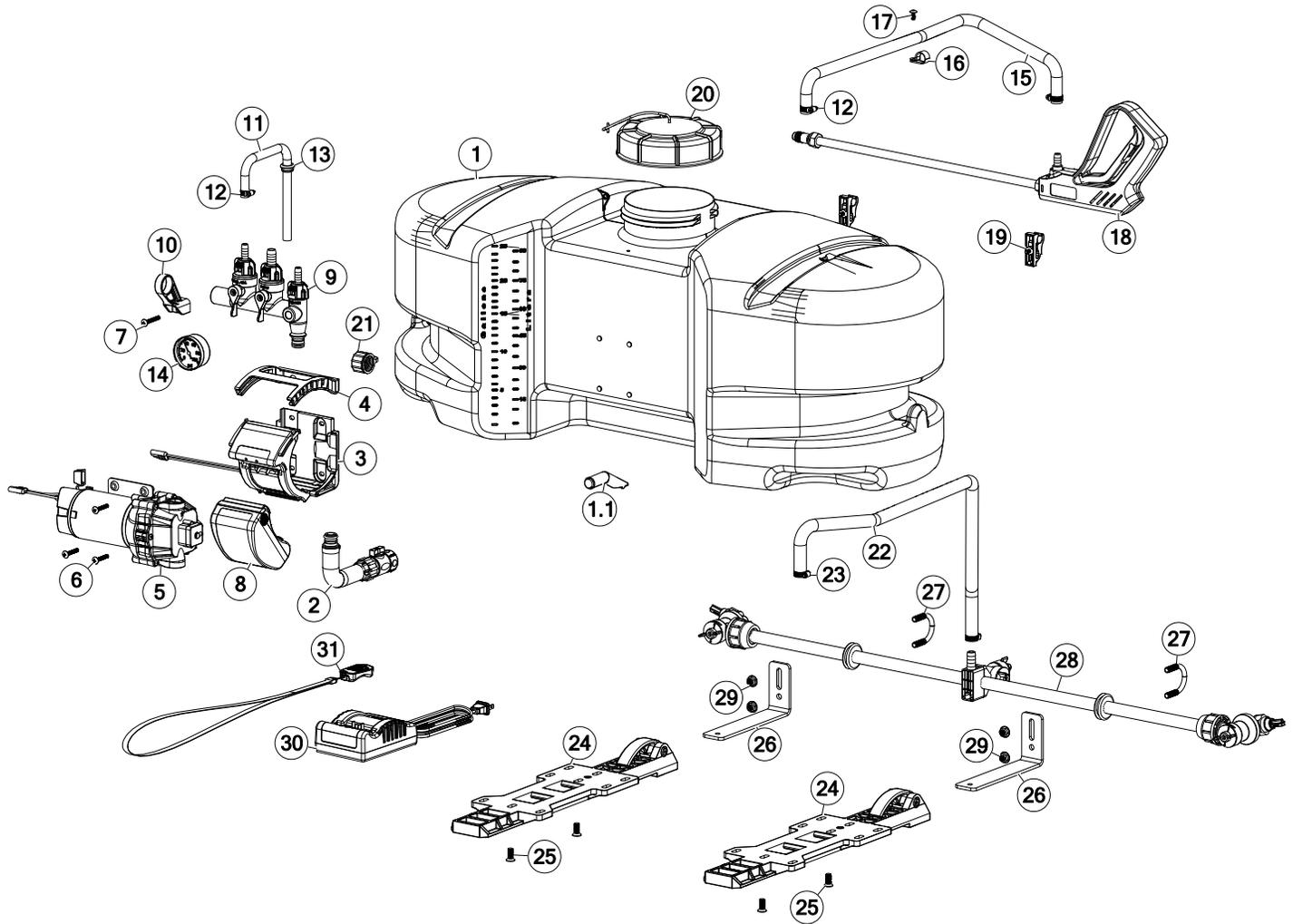
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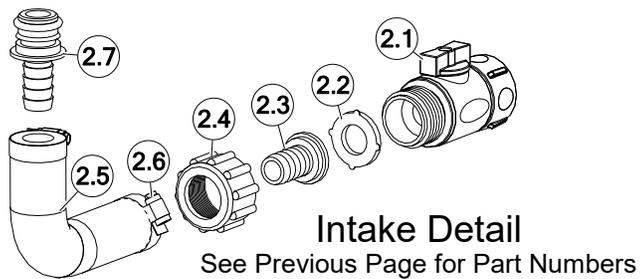
| TROUBLESHOOTING | | |
|---|--|---|
| Problem | Possible Cause | Possible Solution |
| Battery will not charge | Charger not plugged in | Plug charger into a working outlet. Check outlet with another device. |
| | Temperature is too hot or too cold | Move charger and battery to a climate-controlled environment and wait for the product to reach room temperature. |
| | Battery pack not inserted into charger | Remove battery pack and re-install battery pack. Ensure the bottom edge of the battery is seated first, then push the clips in. |
| Remote does not control the receiver | Remote battery is discharged | Replace the battery with CR2032 size button cell battery. |
| | Receiver is not on | The green light must be illuminated on the receiver for the remote to control it. |
| | Remote is not paired with receiver Radio Interference | Follow the Pairing Instructions to pair a remote and receiver. Move the receiver and remote away from the electronic interference. |
| Receiver does not power pump & green LED is off | Battery not connected | Remove battery pack and carefully reinstall. |
| | Battery discharged | Remove battery, charge and reinstall. |
| Receiver does not power pump & green LED is on | Bad electrical connection | Follow wires from receiver to plug. Disconnect and reconnect 2-pin plug. |
| | Pump fuse is blown | Check fuse on pump wire and replace if necessary. |



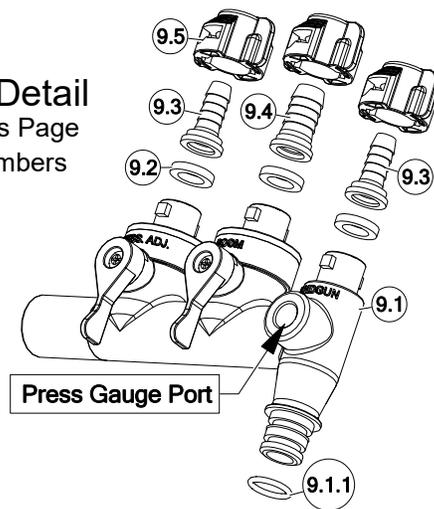
Exploded View/Parts List: 20V-25-BL-ATV (5303068)

| Ref. # | Part # | Description | Qty |
|--------|---------|--|-----|
| 1 | 5169243 | 25 Gallon Tank (White) | 1 |
| 1.1 | 5100452 | Siphon Tube | 1 |
| 2 | 5275877 | Intake Sub-Assembly | 1 |
| 2.1 | 5143419 | Swivel Shut-Off | 1 |
| 2.2 | 5116242 | Strainer, 1" Filter Washer | 1 |
| 2.3 | 5149035 | Poly Swivel, 1/2" Hose Barb | 1 |
| 2.4 | 5006209 | Poly Knurled Swivel Nut, 3/4" FGHT | 1 |
| 2.5 | 5020557 | 1/2" Polyspring Hose x 5 1/4" | 1 |
| 2.6 | 5051114 | Hose Clamp (1/2") | 2 |
| 2.7 | 5168833 | Port Kit Fitting, 1/2" Hose Barb | 1 |
| 3 | 5281510 | 20V Receiver Sub-Assembly | 1 |
| 3.1 | 5058222 | 20V Receiver Base Plate | 1 |
| 3.2 | 5058224 | SS Receiver Pin 3mm X 108mm | 1 |
| 3.3 | 5164285 | 20V Battery Receiver 15A | 1 |
| 4 | 5058223 | 20V Receiver Adjustable Support | 1 |
| 5 | 5281372 | High-Flo High Performance 4.5 GPM, 60 PSI Pump | 1 |
| 6 | 5117166 | #10-24 x 1.25 PH Truss Head Machine Screw | 3 |
| 7 | 5117338 | #10-24 x 1.50 PH Truss Head Machine Screw | 1 |
| 8 | 5164275 | 20V 5AH Lithium Battery Pack | 1 |
| 9 | 5302350 | Quick Connect Manifold Assembly | 1 |
| 9.1 | 5302347 | Quick Connect Manifold (Main Body) | 1 |
| 9.1.1 | 5072514 | O-Ring - Pump Port Connection | 1 |
| 9.2 | 5143430 | Flat Washer - Hose Barb Seal | 3 |
| 9.3 | 5143431 | QC Manifold - 3/8" Hose Straight Barb | 2 |
| 9.4 | 5143432 | QC Manifold - 1/2" Hose Straight Barb | 1 |
| 9.5 | 5143429 | QC Manifold - Quick Connect Quarter Turn Cap | 3 |

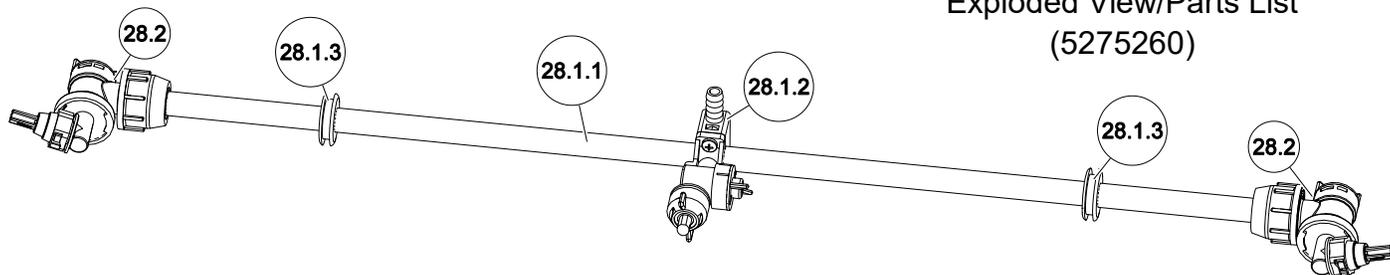
| Ref. # | Part # | Description | Qty |
|--------|---------|---|-----|
| 10 | 5143422 | Quick Connect Manifold - Support Bracket | 1 |
| 11 | 5100963 | Formed Bypass Tube 2.25" x 4.37"5 x 6.0" | 1 |
| 12 | 5051144 | Hose Clamp (3/8") | 3 |
| 13 | 5075018 | Grommet, 1/2" ID | 1 |
| 14 | 5167097 | 2" Dry 100# Back Mount Gauge | 1 |
| 15 | 5020524 | Hose, 3/8"-1 Brd. x 15 Ft. | 1 |
| 16 | 5051122 | 5/8" Black Nylon Loom Cable Clamp | 1 |
| 17 | 5117234 | #10-24 x 1/2" Phillips Round Head Machine Screw | 1 |
| 18 | 5273959 | Deluxe Pistol-Grip Handgun w/X-26 Tip | 1 |
| 18.1 | 5018331 | Brass Handgun Tip (X-26) | 1 |
| 19 | 5278348 | Deluxe Wand Clips & Screws (Pkg/2) | 1 |
| 20 | 5058188 | Tank Lid w/Lanyard | 1 |
| 20.1 | 5058189 | 5" Lid (NO Lanyard) | 1 |
| 20.2 | 5058170 | Tank Lid Lanyard, 8" (Black) | 1 |
| 21 | 5274373 | Drain Plug Cap Assembly | 1 |
| 22 | 5020570 | Hose, 1/2"-1 Brd. x 48" | 1 |
| 23 | 5051114 | Hose Clamp (1/2") | 2 |
| 24 | 5278222 | ATV Quick Release Bracket Assembly | 2 |
| 25 | 5034149 | 5/16-18 x 0.75 PH Flat Head Machine Screw | 4 |
| 26 | 5038873 | Quick Release Boom Mount Bracket - Fixed Height | 2 |
| 27 | 5034220 | 5/16-18 x 1.3125 x 1.75 Round U-Bolt | 2 |
| 28 | 5275260 | "Wet Boom" Assembly | 1 |
| 29 | 5006307 | 5/16-18 Serrated Flange Hex Nut | 4 |
| 30 | 5164281 | 20V 1A Lithium Battery Charger | 1 |
| 31 | 5164291 | Wireless Remote | 1 |



Manifold Detail
See Previous Page
for Part Numbers



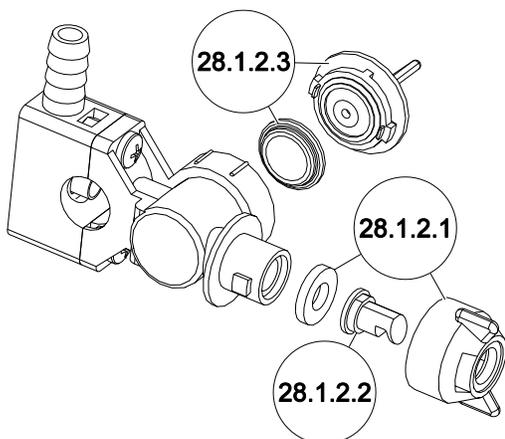
**Boomless "Wet" Boom Assembly
Exploded View/Parts List
(5275260)**



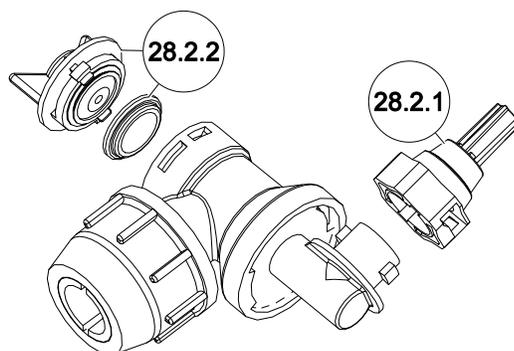
| Ref. # | Part # | Description | Qty |
|----------|---------|-------------------------------------|-----|
| 28 | 5275260 | "Wet Boom" Assembly | 1 |
| 28.1 | 5275712 | Wet Boom Sub-Assembly | 1 |
| 28.1.1 | 5100316 | Boom Tube | 1 |
| 28.1.2 | 5275123 | Center Nozzle Assembly (Wet Boom) | 1 |
| 28.1.2.1 | 5274862 | Center Boomless Nozzle Cap w/Gasket | 1 |
| 28.1.2.2 | 5018329 | Center Spray Tip | 1 |
| 28.1.2.3 | 5088024 | Valve (On/Off) Knob w/Diaphragm | 1 |

| Ref. # | Part # | Description | Qty |
|------------|---------|---------------------------------|-----|
| 28.1.2.3.1 | 5063255 | Diaphragm | 1 |
| 28.1.3 | 5075016 | Rubber Grommet | 2 |
| 28.2 | 5275122 | End Nozzle Assembly (Wet Boom) | 2 |
| 28.2.1 | 5274861 | XT Spray Nozzle, Cap, & O-Ring | 1 |
| 28.2.2 | 5088024 | Valve (On/Off) Knob w/Diaphragm | 1 |
| 28.2.2.1 | 5063255 | Diaphragm | 1 |

**Center Nozzle
Assembly
5275123**



**End Nozzle Assembly
5275122**



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** for sprayer and **two (2) years** for High-Flo High Performance pump (homeowner), **90 days** for sprayer and pump (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.

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