



WWW15-P

[User Manual]

Please read and follow the installation and operating instructions provided.

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IMPORTANT:

YOUR SMUCKER WEED WIPER COMES WITH A 2 YEAR MANUFACTURES WARRANTY. PLEASE SAVE YOUR RECEIPT FOR PROOF OF PURCHASE. CONTACT THE DEALER THAT YOU PURCHASES YOUR WIPER FORM WITH ANY WARRANTY ISSUES.

INTRODUCTION

Congratulations on your purchase of a Smucker Super Sponge® Weed Wiper!

The Super Sponge® is a lightweight, durable, herbicide applicator. Our sponges are designed to apply the maximum amount of product to the target weeds without any drift. The sponge applicators are made of industrial-strength, crusted sponge that stay saturated with chemical to wipe directly onto weeds. Our sponge weed wiper and top crop kits are applicators. Smucker Manufacturing makes no guarantee of any and all chemical use through the sponge application. Please read all chemical labeling concerning the weed wiper instructions.

The Super Sponge® has proven to be a quick and efficient way to wipe out weeds in your crops in many independent studies and we are confident you will be pleased with the results. We value our customers, and we would appreciate any input or comments you may have regarding your new Super Sponge® wiper.

You can visit our smuckermfg.net website page for reference to all weed wiper parts and diagrams. If you still have questions, give us a call and we can even help you locate your closest Smucker dealer.

Also, visit www.smuckermfg.net or ask your dealer about the other product lines we offer. We offer premium products at an affordable price. Take a look at our Foam Markers, Calf Warmers, and VisionWorks camera systems for farm equipment on our website.

www.smuckermfg.net

www.redweeder.com

www.visionworkscameras.com

Scan QR codes below with your smart phone

Mobile website for VisionWorks Cameras



Smucker Mobile website



Installation Instructions

Thank you for purchasing a Pull-Type Weed Wiper. Please follow these directions carefully. We recommend assembling this unit with two people. You should expect a 1-1 ½ hour assembly time.

Please refer to your Parts Inventory Sheet when installing your Weed Wiper.

Step #1 Lay out your frame

Lay out your frame on the ground in conjunction to the image below. This will be your finished product.



Step #2 Connect Left and Right Frame to Hitch

NB3820



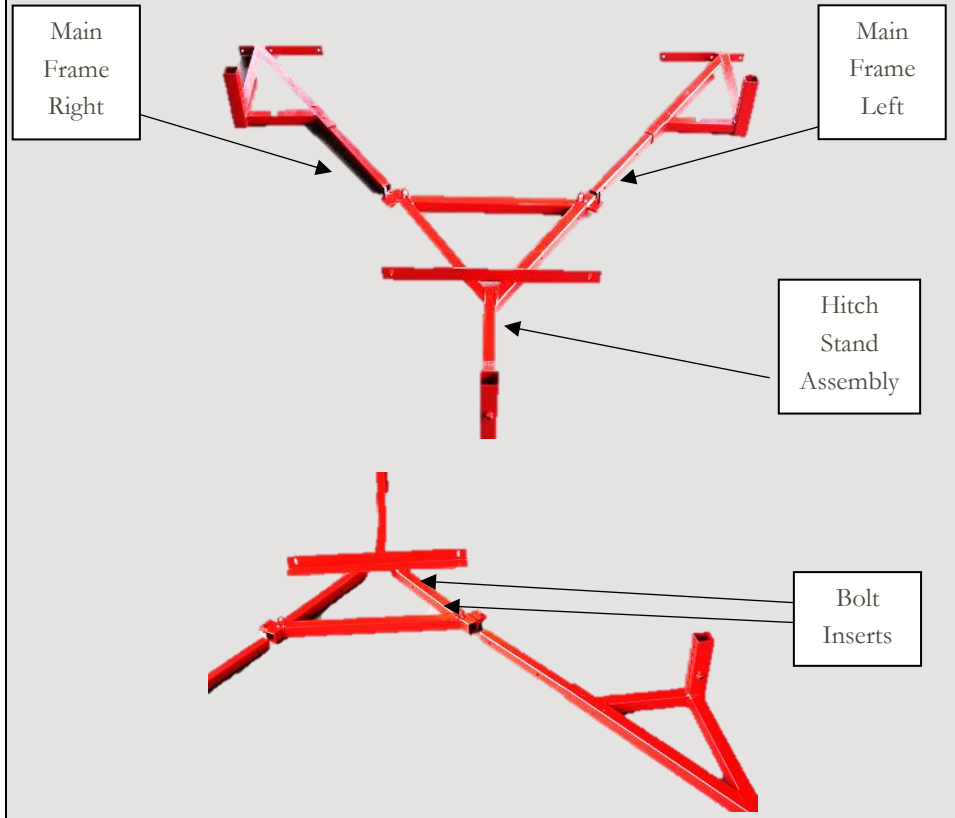
NB38NU



NB38LO



Insert your main frame left and main frame right into the tank and hitch stand assembly. Make sure when inserting your brackets that the wheel brackets are sticking up (as pictured). Secure your frame members with the 3/8" x 2" bolts provided (NB3820 QTY: 4) with the 3/8" lock washers (NB38LO QTY: 4) and 3/8" nuts (NB38NU QTY: 4) provided. **Do not over tighten these bolts.**



Step #3 Connect your toolbar

NB3830



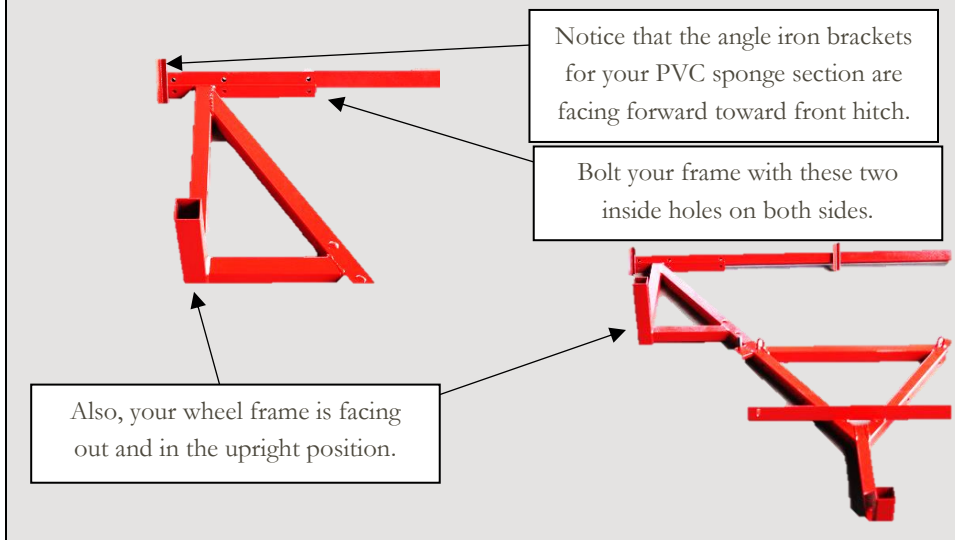
NB38NU



NB38LO

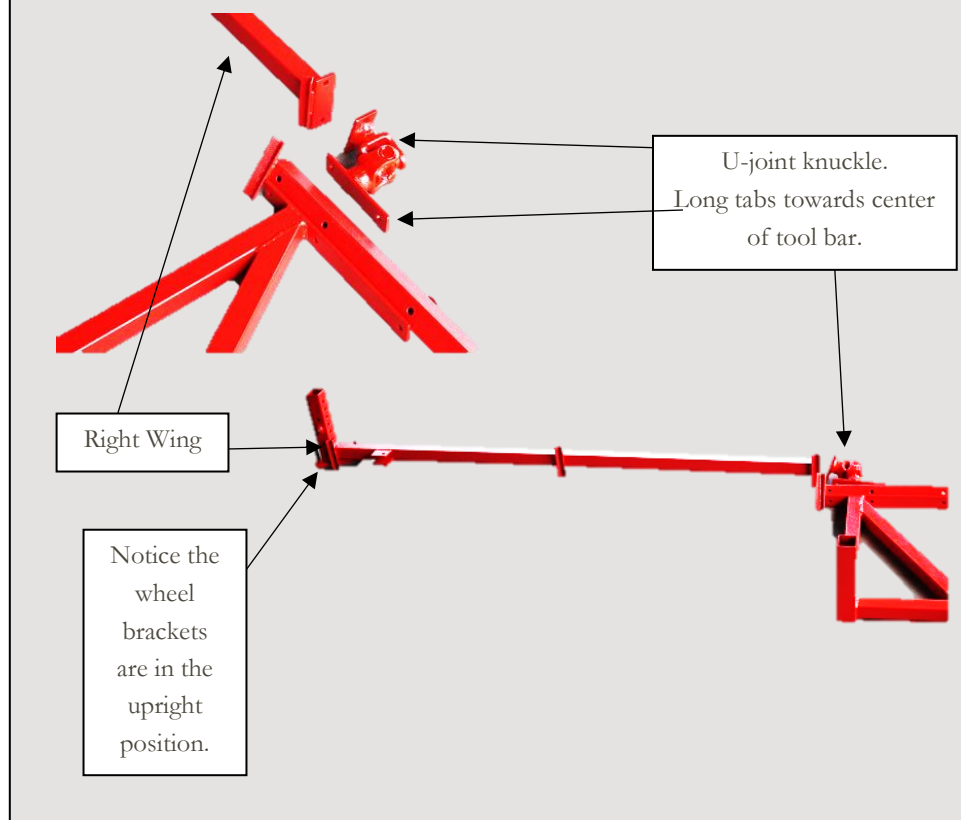


Bolt your 5' rear toolbar to the back of your left frame and your right frame with 3/8" x 3" (NB3830 QTY: 6) bolts (with the 3/8" lock washers NB38LO QTY: 6 & 3/8" nuts NB38NU QTY: 6) using the inside holes. **Make sure that the angled iron brackets pictured below are facing toward the front of your weed wiper (i.e. towards the front hitch).** **Do not tighten your 3/8" nuts until the end of step #4.**



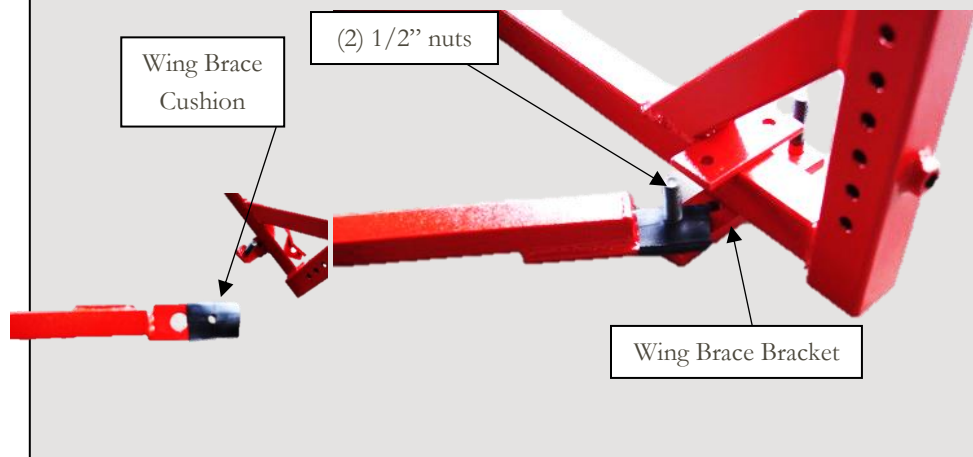
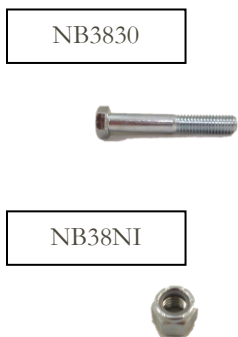
Step #4 Connect Your Wings

The left (**drivers side**) and right (**passenger side**) wings are secured to the 5' tool bar by two of the 3/8" x 3" bolts (NB3830 QTY: 2) you may need to loosen up the nuts if you have already tightened them in step #3). **(U-joint should already be bolted to wing)**. Notice that the wheel brackets are in the upright position below.



Step #5 Attach Your Wing Brace

First, you must install your wing brace bracket above the front hitch toolbar as pictured with 3/8" x 2 1/2" bolts (NB3830 QTY: 2) and 3/8" Nylock Nut (NB38NI QTY: 2). After securing your bracket, insert your wing brace cushions over each end of the wing brace brackets as pictured (WW2534 QTY: 4). Next, connect your wing brace bracket to your hitch in the position pictured. The (2) 1/2" nuts (NB50NU QTY: 2 per side) will be stacked on top of one another and locked into place. Leave a 1/2" gap between wing brace and 2 stacked 1/2" nuts.

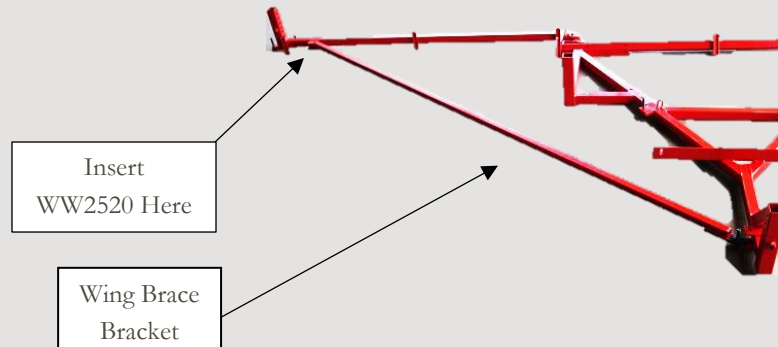


(Step #5 Continued)

WW2520



Connect your wing brace to your toolbar with a PTO Pin (WW2520 QTY: 1 per wing brace).



Step #6 Insert the wheels

WW2520

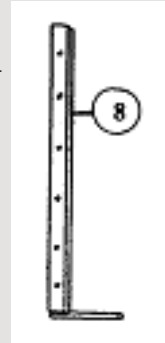
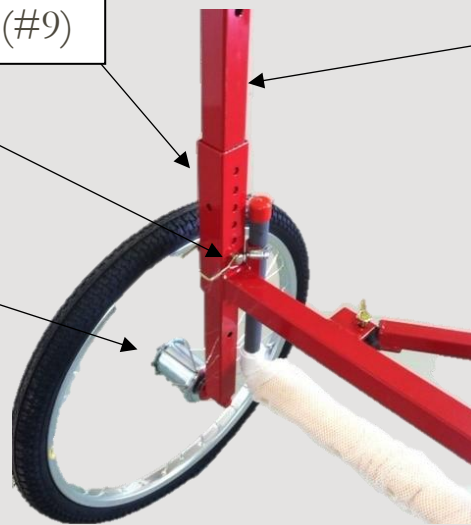


NB75FL



Insert the wheel legs (#8) into the sockets (#9) on both the right and left side of the frame as pictured below. Install 3 washers (NB75FL) per wheel axel and install pin (NM1316) to lock your wheel into place. Secure your wheel leg in at the preferred height with one PTO pin (WW2520) per wheel. **IMPORTANT:** Use a 1/2" x 1 1/4" bolt to tighten the wheel legs and hitch stand in the socket of each leg and hitch (NB5012 & NB50NU). This is necessary to remove rattle and sway when driving the machine at higher speeds.

(#9)



Step #7 Attach the Tank

Attach the tank and pump assembly (SPS014-WW) with tie down straps as pictured (SPS002). Note:

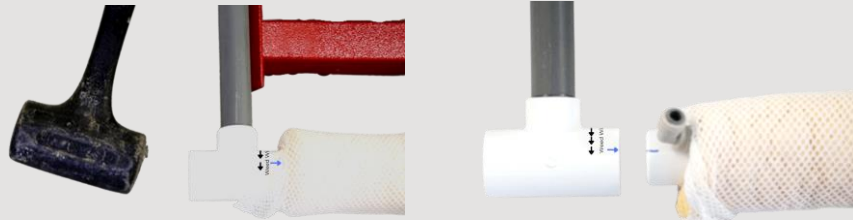


Step #8 Connecting the Sponge Sections

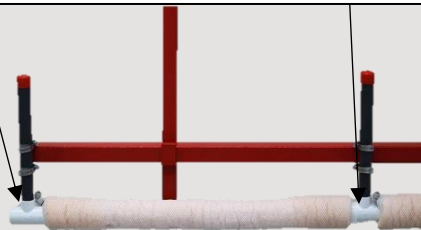
The first step is to lay out each of the 30” sponge sections (WWTC30 QTY: 6) Connect them together as pictured with our PVC “Tee” risers (WW2346-TC QTY: 9). This particular unit will have 3 different sponge sections, each 5 ft. in length. (3 risers and 2 sponges per section). **Do not worry, it is okay to end your boom with a “Tee” since there is no chemical flow through the risers.**



IMPORTANT: DO NOT glue your sponge sections into your PVC, “Tees.” Hammer them together with a rubber mallet (as shown in the picture below). It’s **very important** that you connect your sponge sections with the push to connect elbow facing up (as pictured) with the **blue mark on your white caps facing forward**, in the direction you will wipe, at the one o’clock position (as pictured). Notice that your push to connect elbow will be on the same side for each of your sponges across your boom (pictured next page).



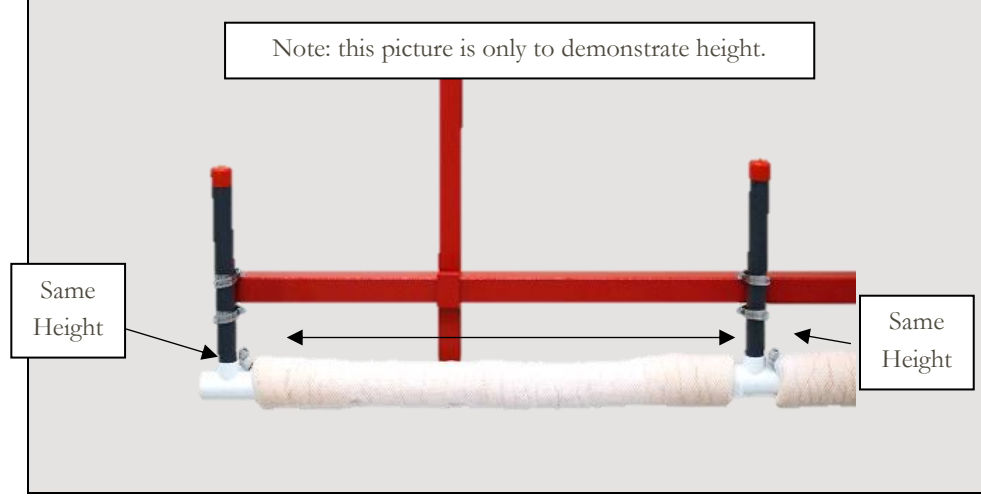
Push to Connect Elbows on the Same Side of Sponge



Make sure, as you hammer in your sponge sections, that you get your sponge wet and hammer the sponge in until the **edge of the cap reaches the center of the “Tee.”** Make sure you stretch your sponges out over your T-risers so that your boom is almost entirely covered by sponges (Sponges must be wet to do this).

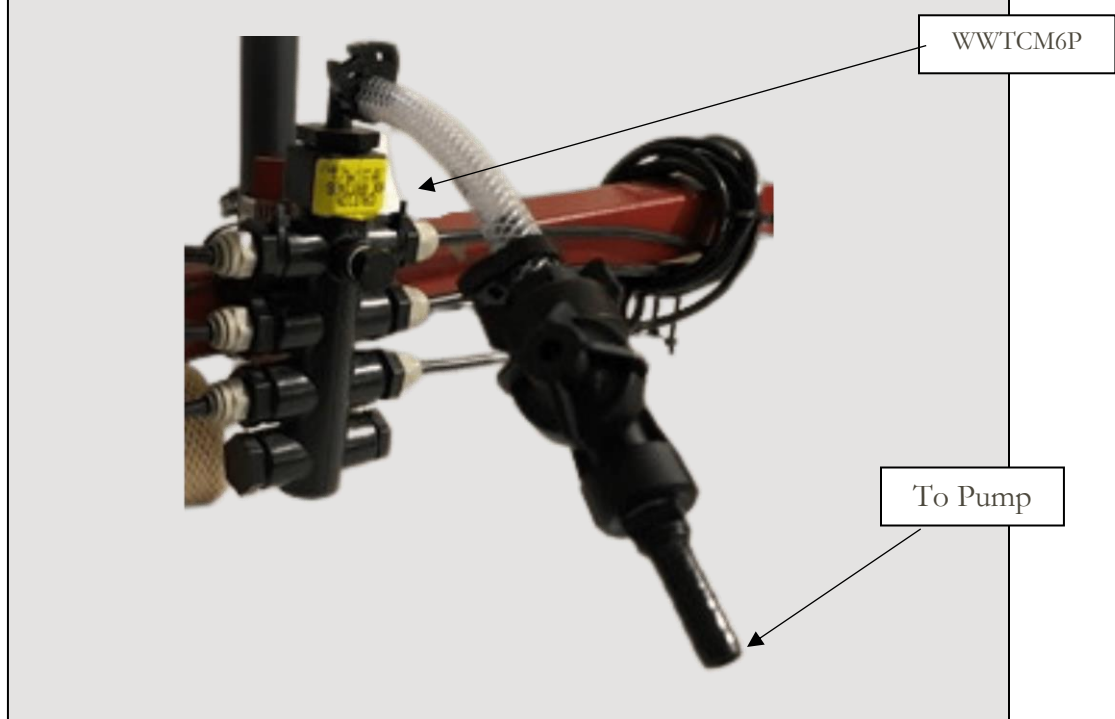
Step #9 Attaching Sponges to your Boom

From there simply clamp your, "Tee" risers onto the metal angle iron tabs using the clamps included CL0016 (QTY: 18). You should use 2 clamps/tee riser. Make sure that you clamp each, "Tee" riser at the same height to ensure that your sponge boom is level (as pictured next page).



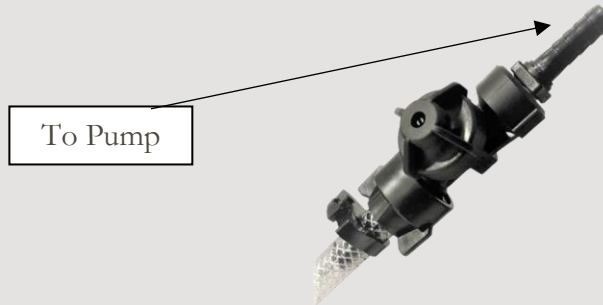
Step #10 Mounting Your Manifold & Plumbing Your Unit

Your kit comes with a manifold system (WWTCM6P) which connects to the tank's pump. First, mount the manifold to the **CENTER** of your boom frame (i.e. the center of your weed wiper) with the zip ties provided. **If you do not mount to the center of your boom frame, the tubing included in this kit will not reach all your sponges.**



(Step 10 Continued)

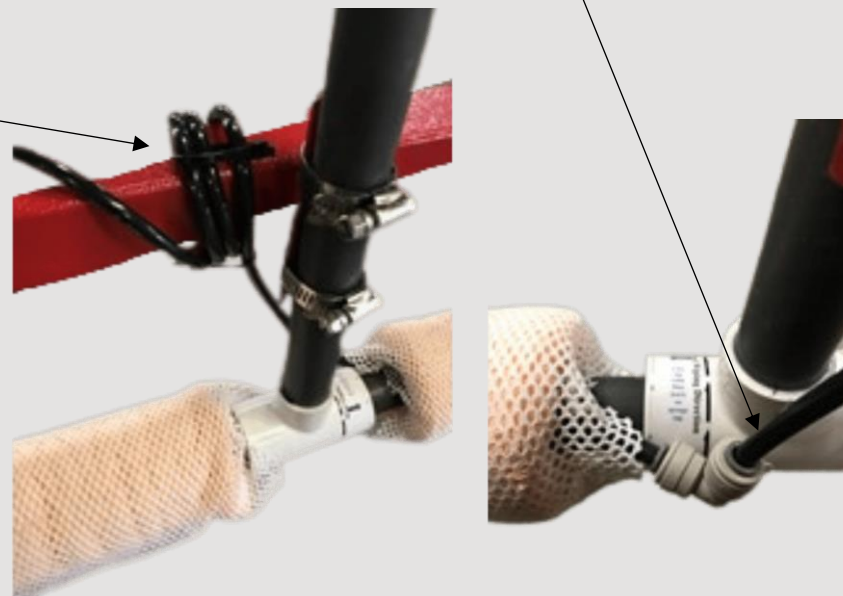
We provide the pump needed to power your weed wiper and the vinyl tubing (VL0038 QTY: 7 ft.) needed to run from your manifold to your pump. Use our CL0916 clamps to secure your tubing to your manifold. Now, connect your manifold inlet to your spray pump.



The manifold included has quick connectors to supply product to each of the 30" sponge section (in this case there are 6 ports). Measure your longest line and cut your WW1215 roll in equal lengths, to plumb from your manifold to your individual sponge sections. **It is extremely important that each sponge assembly is supplied with the same length of tubing to ensure equal chemical flow.** Any extra tubing can be coiled up and zip tied down to the boom. (View picture below for a visual). Do not over tighten the zip ties and pinch the tubing.

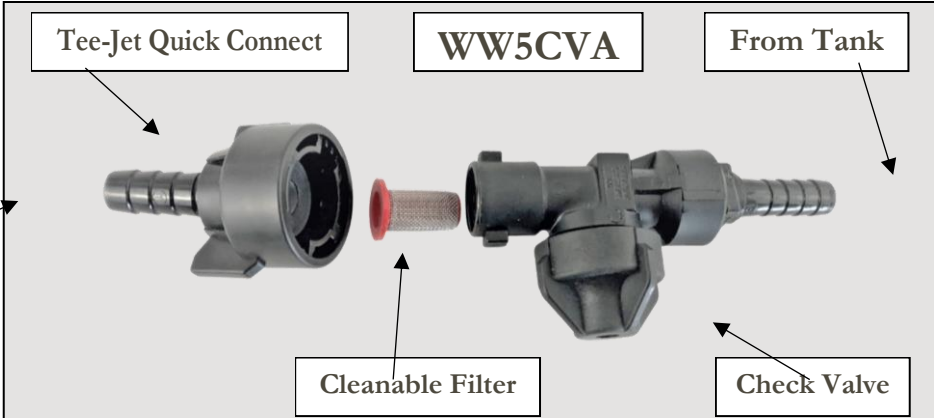
Simply push the tubing into the quick connectors on both your sponge section, and your manifold. To remove the tubing **hold down the grey ring around push to connect, while pulling out the tubing.**

Coil your excess tubing around your boom. Secure with zip ties



Step #11 Check Valve & Filter Assembly

To Weed Wiper



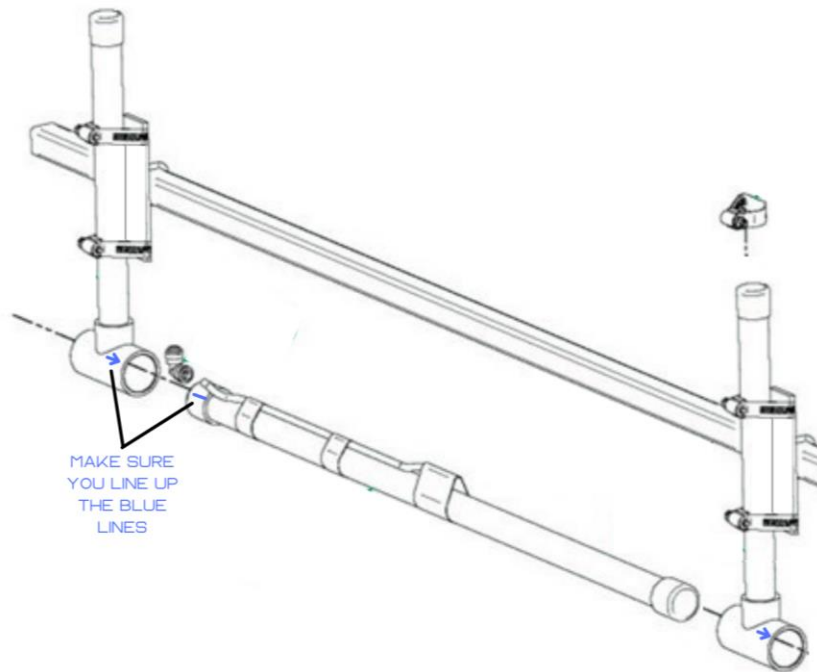
Tee-Jet Quick Connect **WW5CVA** **From Tank**

Cleanable Filter **Check Valve**

This assembly comes pre-installed to the inlet side of the manifold. Make sure that you have a way to turn the pump on and off. You will not be running the pump continuously while using your weed wiper. When the pump is on, chemical will be pumped into the PVC, then through small holes saturating the sponges. This pump fed system will ensure quick filling and instant shut off since the system is pressurized.

Maintenance/Winterization

We recommend routinely checking your cleanable filter. The holes feeding the sponges are very small, they can plug easily without a functioning filter. When you **WINTERIZE** your wiper, remove your tee-jet quick connect and blow shop air toward the sponges to remove any residual liquids.



Step #12 Connect your Wiper to your Hitch

WW2520



Take your hitch stand and insert it into your front hitch insert in the picture below. Secure your hitch at the desired height with a PTO pin (WW2520). Don't forget to secure with a (NB5012 & NB50NU) used in step #6.

Insert your hitch into this slot.



Step #13 Installing Wire Harness & Operating Pump

Install the wire harness (SPS117) according to the instructions included with the wire harness. Then, mount the switch in a position that can be reached by the operator.

When the pump is on, the chemical will be pumped into the PVC, through small holes, and into the sponge. This pump fed system will ensure quick filling of the sponges and instant shut off when switch is turned off.

To transform the 15' model into road position, rotate the leg axels at the end of the wings. The wings will then trail directly behind the inside wheels. Fold back wing braces and let them rest on the wings between the leg axels. You may need to loosen the nuts where the wing brace attached to the front of the frame to allow enough slack to rest the braces on the wings.



Operating Instructions

The Weed Wiper is a very effective contact herbicide applicator. Non-selective herbicides can be applied to weeds growing above crops. Proper set-up, adjustment, operation, and maintenance are essential to assure effective weed control while protecting the crop from herbicide damage.

Before You Start

1. Before you start using your sponge weed wiper in the field, get the sponges wet with a garden hose. When sponges are dry, they are hard and do not absorb chemical evenly.
 2. Next, we recommend that you run water through your tank to check your sponges for even feeding. Before filling the tank with chemicals, put water in your tank and turn on the pump until you see the sponges dripping. Watch for even dripping throughout the full length of the boom. Unlike a conventional sprayer, you cannot see plugged nozzles on a wiper during operation. Always check for uniform feeding before heading out into the field.
 3. Once even feeding is attained, drain your product tank by removing the 3/8" supply tubing from the check valve assembly. Run your pump until the tank is empty. Squeeze the excess water from the sponges and fill the tank with chemical solution. Turn on your pump until you see the sponges fully saturated (almost dripping), which typically will only take a few seconds. Once your sponges are saturated, you are ready to go weed wiping!
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Mixing Instructions

The most common product to use in a wiper is Glyphosate. The manufacturing label recommends a 33% mix rate, however, please follow **your** label for mix rates in a wiping applicator/contact herbicide applicator. It is important to remember that the ratio of herbicide to water can vary depending on the weeds to be controlled, the time of year, and the temperature. Contact your chemical field representative or extension service for the best herbicide mix rates and proper surfactants to kill the weeds you are trying to control.

If you are trying to control Glyphosate resistance weeds, you may want to consider using Paraquat. The label, in most states for controlling Palmer Amaranth, is listed at a 50% mix rate.

Field Adjustments

Adjust the height of the sponges to a level just above crop to contact as much of the weed as possible, without wiping the crop.

Turn on the master on/off switch only when you believe that you need more chemical, the sponges should fill within a few second. Begin wiping at 5-7 MPH. Try to maintain a proper level of product in the sponges without dripping. While you are learning the timing for turning the pump on and off, it's usually better to set the wiper too wet and have a little dripping, rather than have it set too dry and have poor weed kill.

Maintenance Requirements

Common Sponge Maintenance

The protective netting over the sponge is easy to replace. Therefore, we recommend that you check your sponges often for wear and tear.

If you need your netting replaced, ask us for part number (WW2302). If you need your sponge replaced, ask us for part number (WW2301).

Storage Maintenance

Do not store the system over the off-season with chemical in the lines. A film will form on the tubing and can plug the small feedholes within the sponge. Avoid this by flushing your system thoroughly with water at the end of the season. We recommend using a garden hose to rinse the bulk material out of the sponges after every use.

Check and clean the filter within the check valve assembly as needed. At the end of the season, store your weed wiper in a dry place, **out of direct sunlight**.
