

ASSEMBLY INSTRUCTIONS FOR 21-FOOT WEED WIPER CART

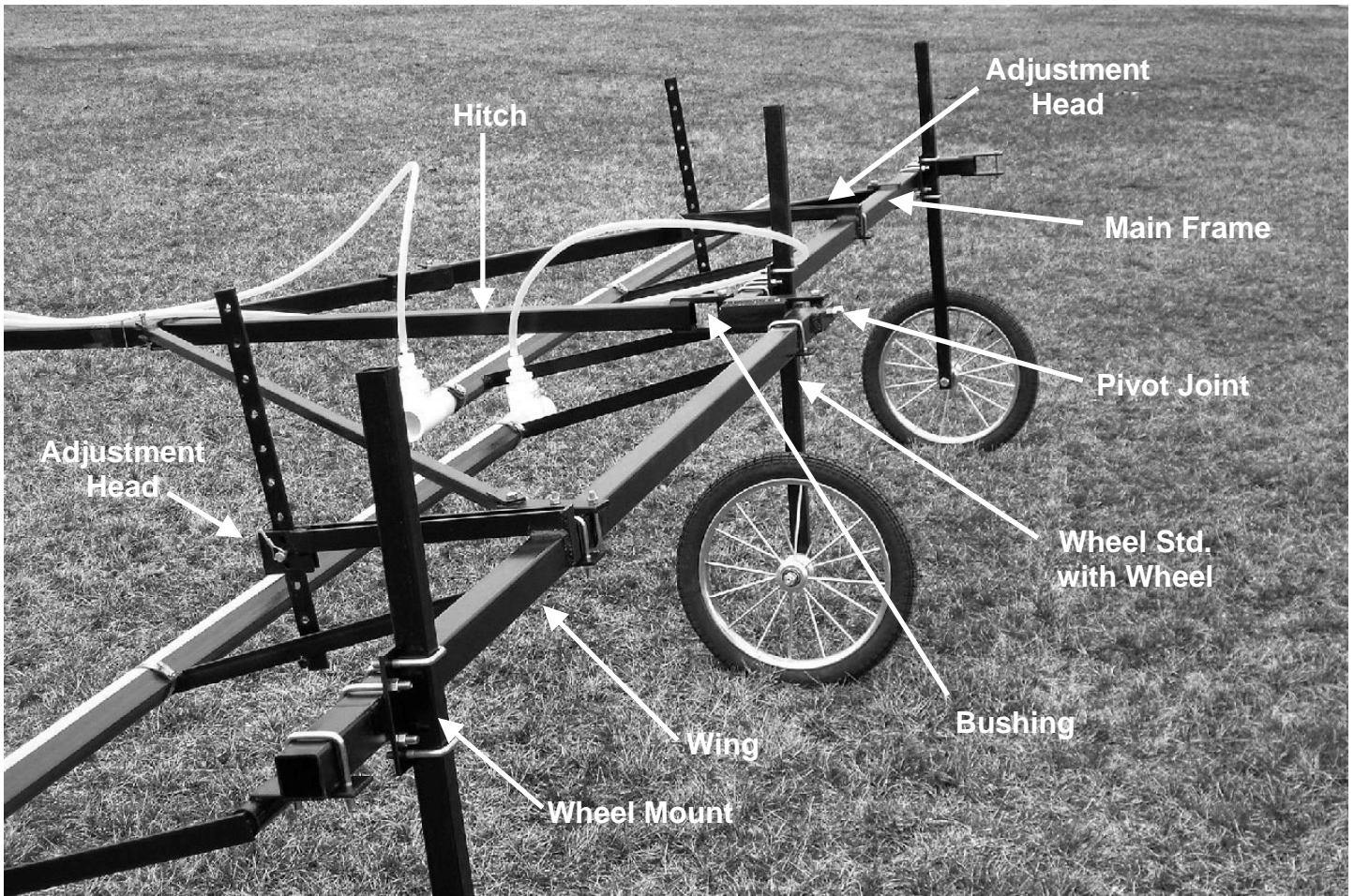


Figure 1

Place the main frame weldment (the 2" square tube with yokes on both ends) on blocks or saw horses. Attach the hitch to the bushing on the left-hand side of the main frame using a 1/2" x 3 1/2" bolt, nut and lock washer. Mount the short telescoping tube to the hitch using a 1/2" x 3 1/2" bolt, nut and lock washer (the two welded loops should be toward the rear with yoke to the front). Next, mount the long telescoping tube to the main frame using a 1/2" x 3 1/2" bolt, nut and lock washer (the yoke on this one points to the rear). Slip the yokes of the short and long telescoping tubes over each other. These parts are held in place using one 3/8" x 3" bolt, nut and lock washer and 3/8" x 3" pin and hairpin. When in the operating position, the 3/8" pin and the yoke of the long telescoping tube will go

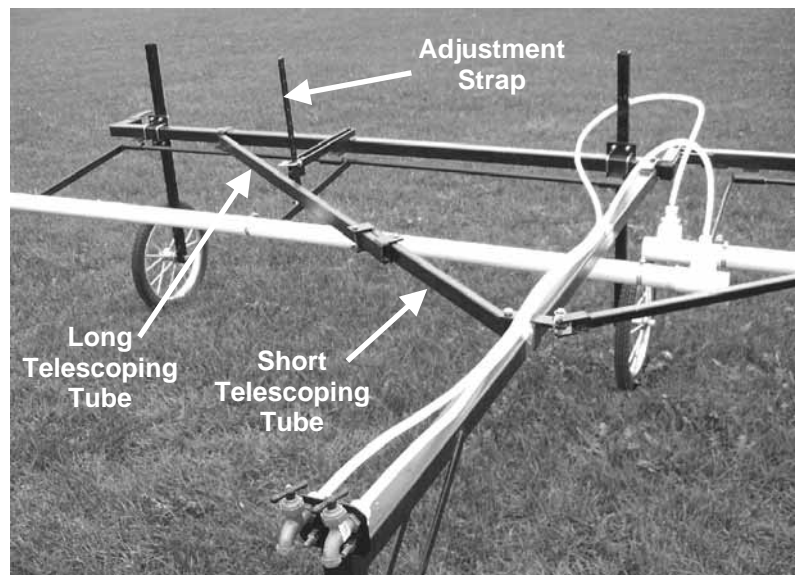


Figure 2

through the rearward welded loop of the short telescoping tube. For transport, the telescoping tubes slide together, and the 3/8" pin then goes through the forward welded loop on the short tube.

Mount two wheel standards and wheels on the main frame, each one using:

- one 8 hole plate
- two 3/8" x 2" U-bolts, nuts and lock washers
- two 3/8" x 1 1/2" U-bolts, nuts and lock washers

Do not tighten the U-bolts which hold the wheel standard to the main frame, as you may need to adjust wheel location later.

Attach the pivot joint to the left end of the main frame using a 1/2" x 4" bolt and two nuts. Tighten until all excess play is taken out of the yoke, then lock the two nuts together. Next, mount the wing (the 2" bar which is straight) to the pivot joint using a 1/2" x 4" bolt and two nuts. The bolt is horizontal and the head should be to the front. The wing and main frame should have the adjustment heads in a horizontal position. Attach the wheel standard to the wing in the same way as the others were mounted to the main frame. Fold the wing and adjust the wheels so they do not touch, and tighten the 2" U-bolts.

The wing brace is attached to the lug on the left-hand side of the hitch with a PTO pin. Mount the wing brace anchor to the other end of the wing brace using a 3/8" x 2" bolt, nut and lock washer. Set the wing parallel to the main frame and attach the wing brace anchor to the wing using a 3/8" x 2" U-bolt, nuts and lock washers.

Mount the right-hand wick holder to the main frame and the left-hand wick holder to the wing using three 3/8" x 2" U-bolts, nuts and lock washers each. The legs of the U-Bolts should point downward. On the right-hand wick holder the angle sticks 7" past the brace arm. On the left-hand wick holder, the angle sticks 1/4" past the brace arm. Both go towards the center of the

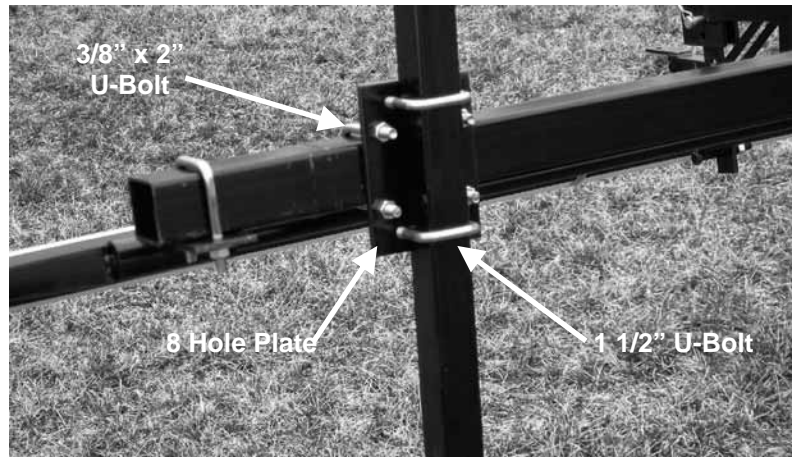


Figure 3

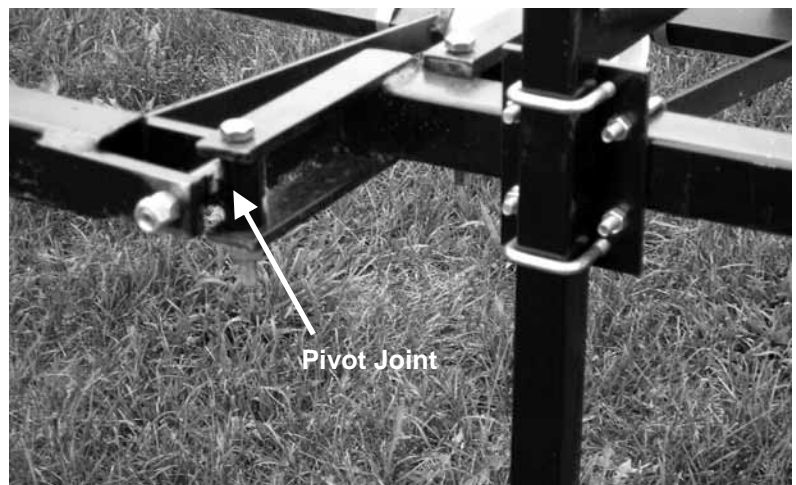


Figure 4

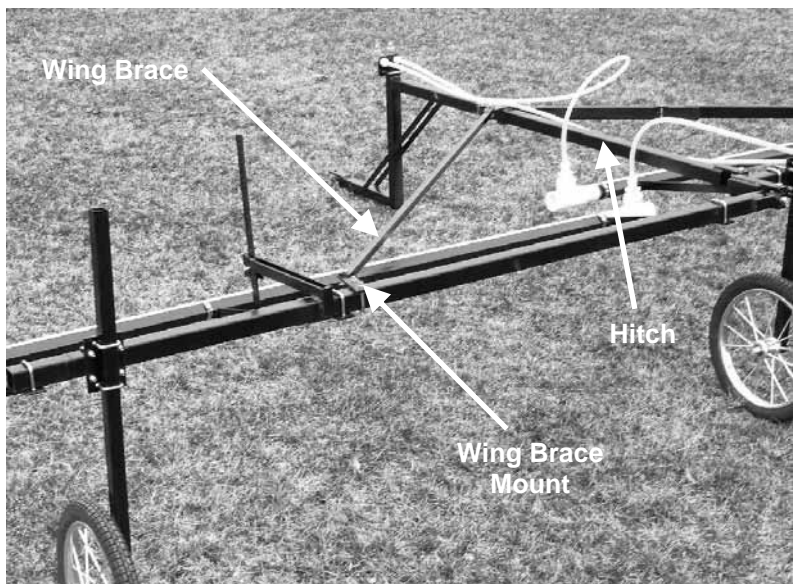


Figure 5

machine. The wick holders are mounted so that the center brace angles on each one align with the adjustment heads. Slip the adjustment bar through the adjustment head, and attach the lower end to the stud on the center brace angle using a 3/8" nut and flat washer. The upper end is held with a PTO pin and is used to adjust the height of the wicks.

The wick applicators are mounted on the wick holder angle by placing three hose clamps (one in the middle and one on each end of the angle iron) on each wick. Put the 'T' ends of the wicks toward the center (the arrows on the end of the wicks should point forward). Screw a reducer bushing into the end of each wick and a 3/4" adaptor into each reducer bushing. Attach the valve mount plate to the top of the hitch using a 3/8" x 2" U-bolt, nut and lock washer. Put the valves through the holes in the valve mount plate with the handles up, and secure with conduit nuts. Put a 3/8" barb and rubber washer into a swivel nut, and push the end of a hose over the end of the barb. Do this step for both ends of each hose. Screw one end of the long hose to the left-hand wick, and the other end to the left-hand valve. Screw the short hose to the right-hand wick and valve.

To go from operating position to transport position*:

1. Unpin the wing brace at the hitch
2. Swing the wing 180 degrees and slide it into the yoke on the right-hand end of the main frame
3. Move the hitch over by sliding the telescoping tubes together as described earlier

* Maximum transport speed is 20 MPH.

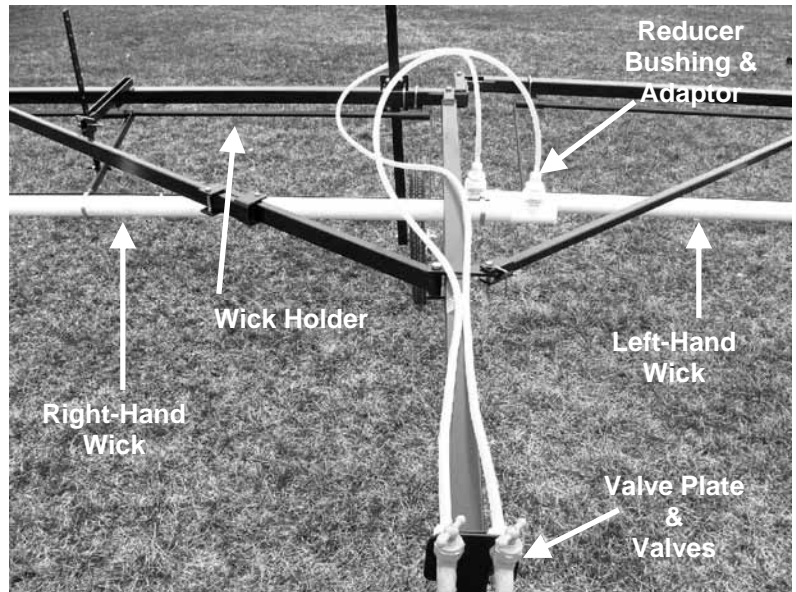


Figure 6

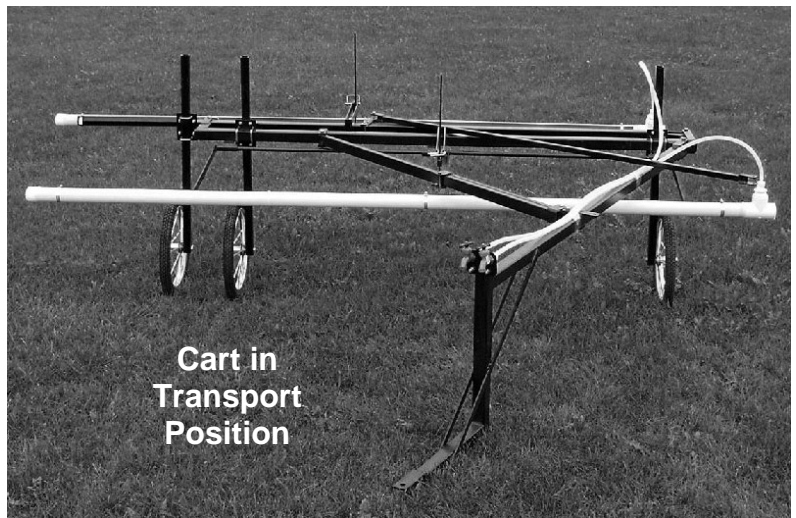


Figure 7

IMPORTANT:

Read instructions included with wicks!
 Read and follow all instructions on the herbicide label.
 Do not ride on the cart!

Quality Metal Works, Inc.
 P.O. Box 358
 Stanford, IL 61774
 (309) 379-5311

*This document and other helpful information available at:
www.qualitymetalworks.com*