

MODEL 912, 912T / 948,948T

Assembly Manual



Mechanical Transplanter Co.

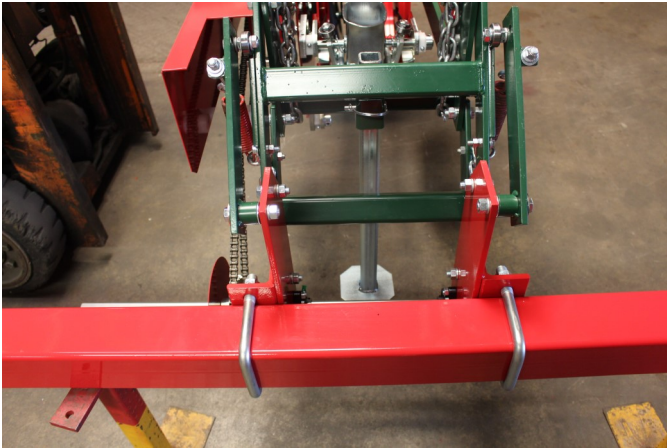
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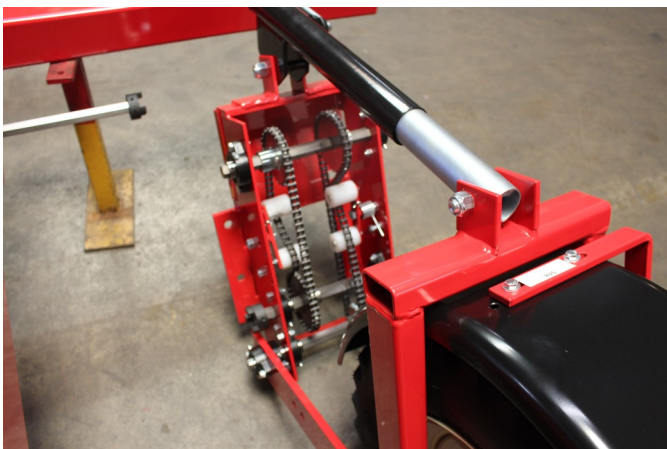
- 1) Lay out toolbar by marking row center and drive center. Mark A-frame drop locations using 26" centers for Cat I or 32" centers for Cat II hitches.



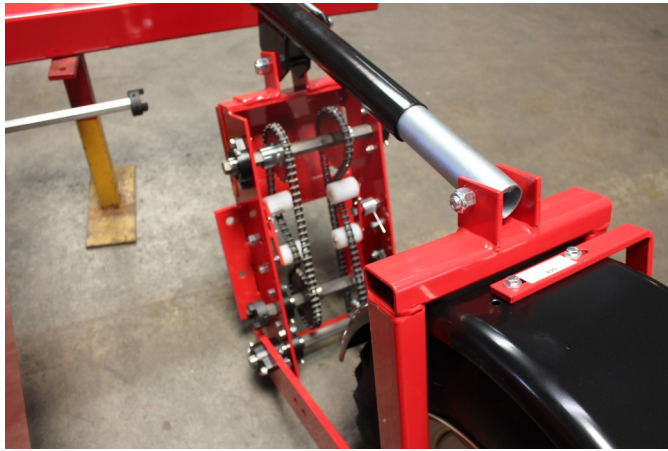
- 2) Install the unit onto the toolbar by using two 3444 U-Bolts, lock washers and hex nuts on the marks made earlier for row spacing.



- 3) Remove the front pipe stand next to the unit clamp and one from the back of the unit, these will be used later.



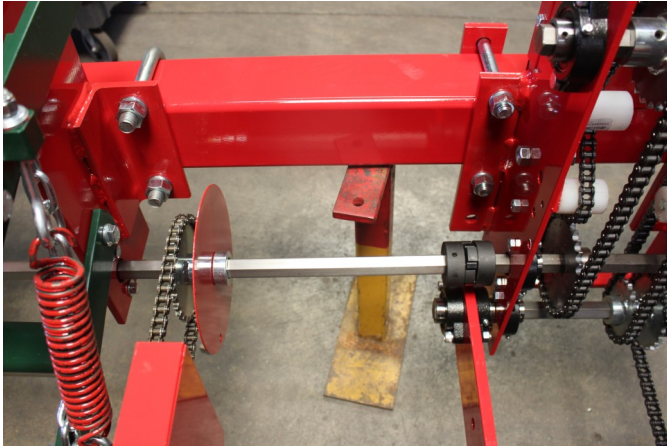
- 4) Install one half of the hex coupler onto the drive side of the unit. Loosen the hex bearings and set screw on the clamp at this time. This will make it easier to align the two shafts on the drive and unit.



5) Install the other half of the hex coupler onto the drive and remove the guard.



6) Install the drive onto the toolbar centering the drive on the mark made earlier by using four 5/8 x 6 hex head bolts, lock washers and nuts.



7) Insert the rubber spider onto one of the hex coupler halves, align shaft and tighten the hex bearings and setscrews on the unit clamp. Align the unit drive chain and the sprocket and guard set screws.



8) Install the drive guard .



- 9) Install gauge wheel by using four $5/8 \times 6-1/2$ " hex bolts, two red $1/2 \times 2 \times 6$ " securing plates, four $5/8$ " lock washers and nuts for a 4×4 " toolbar or four $5/8 \times 9-1/2$ " hex head bolts for a 4×7 " toolbar. Again, if mounting pipe stand bracket on front of gauge wheel, only one plate will be used.



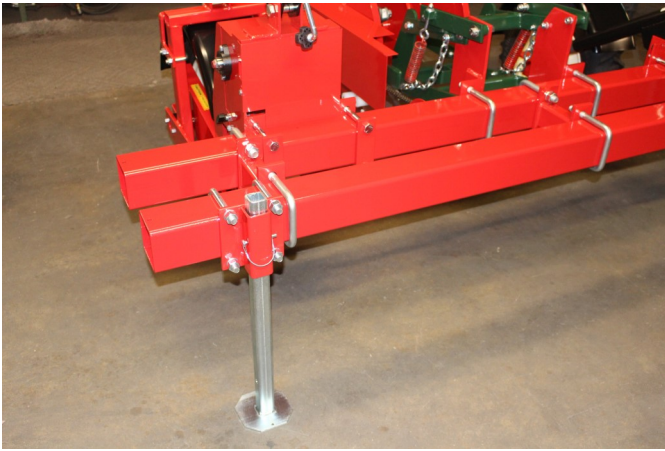
- 10) Install the set-ahead brackets by using three 3444 U-Bolts, lock washers and nuts. Leave loose.



- 11) Install front bar, then tighten all U-Bolts.



- 12) Insert the pipe stands into the pipe stand bracket removed from the unit earlier



13) Install pipe stand and bracket to front bar by using two 5844 U-Bolts, lock washers and nuts.



14) Install the A-frame. Refer to set-up sheet included in A-frame box. Ensure 5/8 blocks are under toolbar for proper installation



15) Install side arm (this bar can be set up on either side of the unit for operator comfort) using two 5844 U-bolts for 4x4" toolbar or two 5847 U-bolts for 4x7" toolbar with four 5/8" lock washers and nuts.



16) Install green seat bracket with one 728 U-bolt, two 1/2" flat washers and two 1/2" crown lock nuts. Install seat by using 1/2 x 1-1/2" carriage bolt, 1/2" flat washer and 1/2" crown lock nut.



17) Install footrest, step and carousel mountings using one 728 U-bolt, two 1/2" washers and two crown lock nuts.



18) Install the upper carousel bracket using one 5/8 x 3-1/2 hex head bolt, one 5/8" flat washer and one 5/8" lock washer. Insert carousel pipe and use set collar to set at desired height. Install traction pads on step and foot rest.



19) Assemble the shelving system as shown using 1/2 x 1 carriage bolts, flat washers, lock washers and nuts. Set shelves to desired height and tighten setscrews.

Picture of completed Unit.

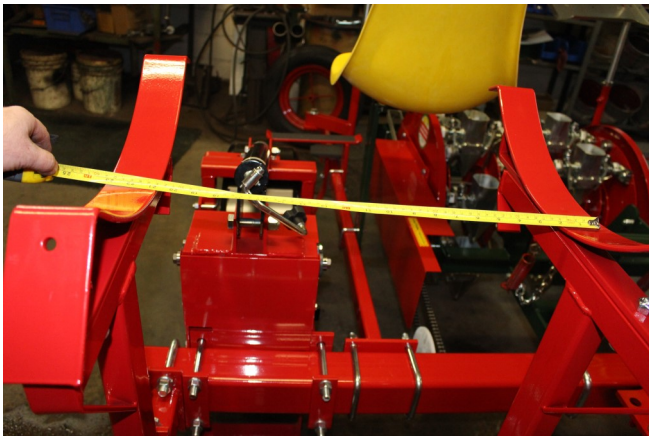
If installing water, continue to next page.

Spacing Chart for 912 & 948

	<u>912</u>	<u>948</u>
6 Pocket	10"	13.5"
5 Pocket	12"	16.5"
4 Pocket	16"	22"
3 Pocket	21"	27"
2 Pocket	32"	44"
1 Pocket	64"	88"



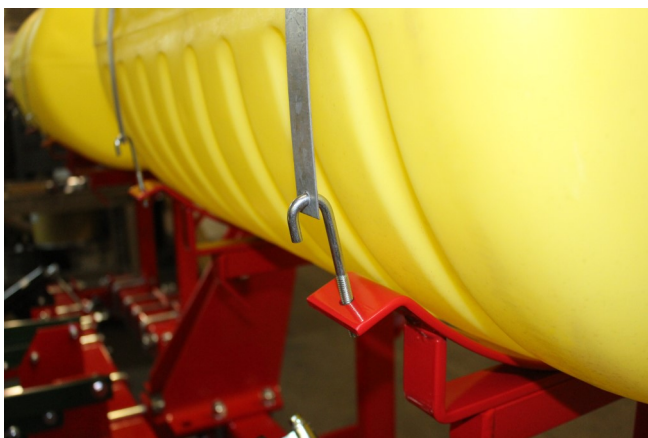
Optional Barrel Mount Option



- 1) Install barrel mounts by using one 3444 U-Bolt, 2 Nuts and lock washers; ensuring 21" on center for barrel.



- 2) Install the pipe nipple in the bottom of the barrel. Try not to over tighten to prevent stripping the thread or breaking.



- 3) Place barrels onto mounts securely by using 2 straps, four "J-Bolts" and four 5/16 Flange Nuts. Leave loose until you fill the tanks, then tighten nuts.



- 4) Connect water hose to the pump.

Safety Precautions

1. Make sure tractor is stopped and in neutral with the transplanter lowered to the ground before getting on /off the unit.
2. No operator is allowed to be on the unit as it is raised and lowered.
3. No operator is allowed on the transplanter as it is transported to or from the field.
4. All operators must be seated before movement begins and remain seated until the transplanter is completely stopped.
5. Never leave the transplanter in the raised position
6. Keep all shields and guards in place when operating the transplanter.
7. Never attempt repairs or maintenance while the transplanter is in motion.
8. Never put the tractor in reverse while the transplanter is on the ground.
9. Follow all safety instructions supplied by the tractor manufacturer to which the transplanter is mounted.

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