

814F ASSEMBLY INSTRUCTIONS



1. Take bundle apart and lay all pieces out. Refer to the master packing list to insure all parts are included.

2. Set main frame on stands or blocks. Slide tongue through square plates under main frame.



3. Place one 1/2 x 1" safety bolt in hole on back of tongue. Hold bolts in place with lock nuts. Set tongue length to allow clearance of tractor ties when turning.

4



4. Secure tongue to main frame using 1/2 x 2 x 6" plate and two 5/8 x 6-1/2" bolts and lock washers.

5



5. Slide both axles into square plates under main frame. Secure axles to frame with two 1/2 x 2-1/2 x 6" plates and four 3/4 x 6" bolts and lock washers (Photo #5A). To plant on flat ground, spindles must be up. To plant on beds or for higher trailer profile, spindles must be in down position. Measure and set wheel centers.

5A



6

6. Fasten jack to tongue with clip ring.



7



7. Bolt hitch to end of tongue using four 7/8 x 2" bolts and lock washers. Bolt hitch on as shown to plant on flat ground and flip hitch over to plant on beds.

8

8. Bolt 11:00 x 15" tires and wheels to hubs using twelve 1/2" wheel studs.





9. Install the lift assembly brackets to the main frame. These should be set 26-1/2" apart on center. Secure with 5/8" thick plates and 1 x 9-1/2" bolts, nuts and lock washers.

10. SADDLE ASSEMBLY, LEAVE BOLTS LOOSE UNTIL FURTHER ADVISED!
Set rear saddle bracket on main frame.
Fasten with two FUB1242 U-bolts..



14

11. First assemble saddle frames by bolting arches with handles to saddle main frame end without booster block and arches without handles to end with booster block (Photo 14A). Use sixteen $3/8 \times 1-1/4$ " bolts and lock nuts.

14A



13. Set saddle cross brace on top of main frame about 2" from front of main frame. Hold in place using one $3/8 \times 5 \times 6$ " top plate with uprights and one $3/8 \times 5 \times 6$ " plate for bottom. Secure with for $1/2 \times 7-1/2$ " bolts and lock nuts. Do not tighten.

15



14. Set saddles onto main frame. In back use four 5/8 x 1-1/2 bolts and lock washers. On front use two 3/8 x 5 x 6" plates and eight 1/2 x 3-1/2" bolts and lock nuts (Photo 16).

16



15. Put inside saddle stringers on center posts. Bolt both stringers together using two 3/8 x 4-1/2" bolts and lock nuts. (Do not tighten)

17

16. Put two #43 bushings into step uprights. Slip step petal between uprights and use 1/2 x 4 bolt and lock nut.

18





19

17. Bolt step brackets to front of tank saddle by inserting two #43 bushings in insides of each step and use four 1/2 x 1-1/2" bolts and lock nuts.

18. Insert four #43 bushings into outside holes of step petal arms of step petal arms. Bolt top of step arm to step using two 1/2 x 1-1/2" bolts and lock nuts. Bolt bottom of arms to step petal using 1/2 x 4" bolt and lock nut (Photo 20A).



20

20A





21

22. Insert #43 bushing into 2-1/2 x 6" step lock plate. Bolt plate to right side of right step using 1/2 x 1-1/2" bolt and lock nut. Tighten all step bolts. Raise step when planting so tractor tires do not hit on tight turns. (Photo 21A) shows step locking plate in the up or locked position.

21A



23. Tighten main saddle bolts. Start with the back 4 bolts to pull saddle up tight to 3-Point Hitch. Tighten the lower our bolts on the main frame next. Then tighten the 12 front bolts on the cross piece. Wait with the tank support brackets until the tanks are in the saddles.



22

24. Set the tanks into saddles. They will fit tight and you may want to use a rubber mallet. Install outside saddle stringers using four 3/8 x 2-1/2" bolts and lock nuts (Photo 22A). **TIGHTEN ALL REMAINING SADDLE BOLTS!**

22A



23

25. Turn four bushings and elbows into bottom of tanks.

26. Install top link turnbuckle to main frame. Place between the welded brackets and secure with the 1" pin and 7/16" clip pin.

24



27. Attach lift assembly to brackets on main frame. Use the lower holes on the brackets and hold lift assembly in place using 1-1/8" pins and clip pins.

814 TRAILER MASTER PACKING LIST

1 - 300 Gallon Tank

1 - 4x4 Toolbar

(4x7 Toolbar if used with fertilizer attachment)

1 - Crate containing following parts:

1 - Tongue

1 - Main Frame

2 - Saddle Bottom

4 - Saddle Ends

4 - Saddle Stringers

2 - Step

1 - Lift Assembly

2 - Axles with Hub

1 - Lift Assembly Carton

1 - #803 Carton (Contents on next page)

2 - 12' Hydraulic hose

814F CARTON PACKING LIST

BOX 1

Plates and Accessories

1	3/8 x 2-1/2 x 6 notched end
3	3/8 x 5 x 6
2	3/8 x 1-1/2 x 14-1/2 straps bent on both ends
1	Hitch End
1	Top Link 3rd Arm
1	Step Plate
1	Step Arm
4	1-1/4" Bushing for tanks
4	Elbows
8	Hose Clamps
2	1" Pins
2	7/16" Clip Pins
2	1-1/8" Pins

Fasteners

32	3/8 x 1-1/4
4	3/8 x 2-1/2
2	3/8 x 4-1/2
7	1/2 x 1-1/2
8	1/2 x 3-1/2
10	1/2 x 4
4	1/2 x 7-1/2
4	5/8 x 1-1/2
4	7/8 x 2
38	3/8" Nylock Nut
29	1/2" Nylock Nut
4	5/8" Nut
4	7/8" Nut
12	Wheel Stud Bolt
4	5/8" Lock Washer
4	7/8" Lock Washer
12	#43 Bushing

BOX 2

2	A-Frame Drops
4	1 x 9-1/2" Hex Head Bolts
4	1" Lock Washers
4	1" Hex Nuts
2	2-1/2 x 7" Plates

Safety Precautions

1. Make sure tractor is stopped and in neutral with the transplanter lowered to the ground before getting on and 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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