

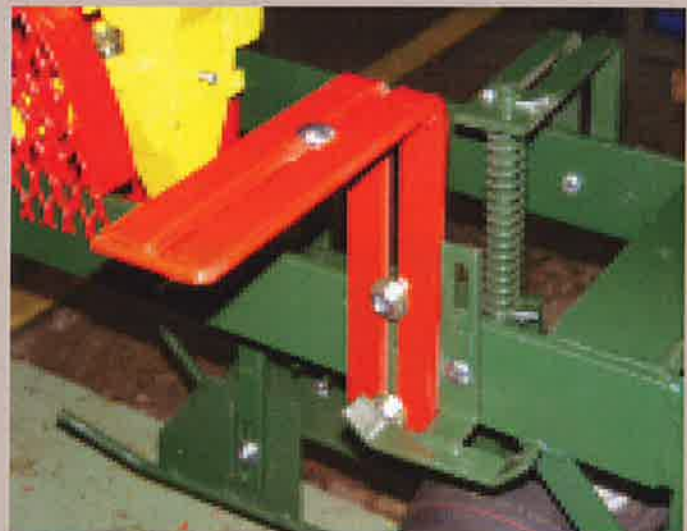
# MECHANICAL TRANSPLANTER COMPANY

## MODEL 900 SETUP INSTRUCTIONS



1. Model 900 shown as set up when taken out of the crate

2. Turn seat brace outward to face away from frame



3. Remove footrest from frame and move back toward the drive sprocket. Secure by inserting U-bolt from the inside of the frame and through the guard. Place foot rest on U-bolt and tighten nuts.



4. Bolt tray holder T-brace onto front frame with a  $\frac{3}{8}$  x  $1\text{-}1/4$ " bolt and hex nut

5. Remove both L-shaped tray holders from frame. Turn both tray holders face outward. Mount the left tray just behind the main sprocket.



6. Bolt the right tray holder just behind the bearing.



7. Bolt complete axle to slots on back of unit with carriage bolts. Carriage bolts are already placed in the pillow blocks.



**8. Slip the L-shaped tab for mounting chain tightener onto left top axle bolt. Secure with second 1/2" nut.**

**9. Secure the main drive chain around sprockets with a connecting link.**



**10. Lower chain tightener onto chain to take up slack in chain**



**11. Fasten chain guard to unit using the tab on the axle. Secure with a 3/8 x 1-1/4" bolt.**

**11. Secure front of chain guard to side of transplanter frame.**



**12. Bolt seat bracket to the bottom of the seat and secure with 1/4" nuts. Place 1/2 x 1-1/2" carriage bolt into the slot before tightening down the bracket.**

**13. Fasten seat to seat brace. Adjust up or down, back or forward until placed comfortably for seating**



**14. Attach wheels using wheel studs in hubs**

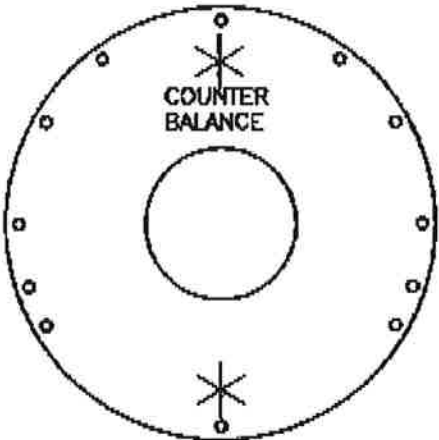
**15. Install hitch using 7/8" rod located in front of unit**

**16. Place trays on plant stands**

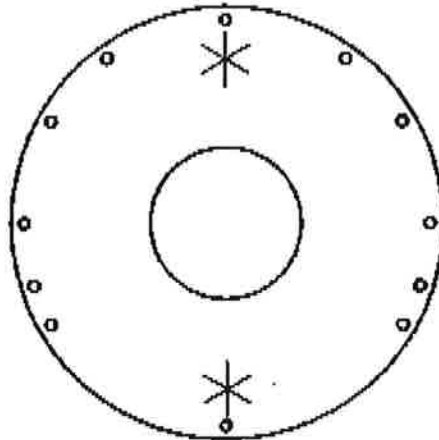
**17. Unit is complete. Hitch varies by order.**



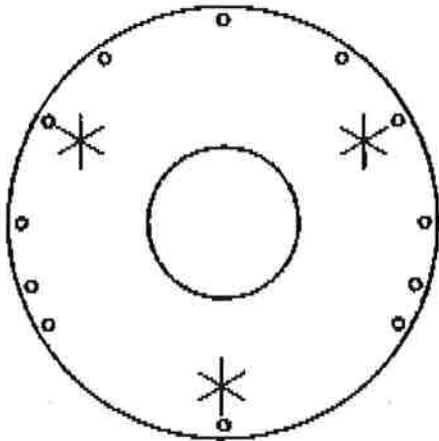
# POCKET SPACING DIAGRAM



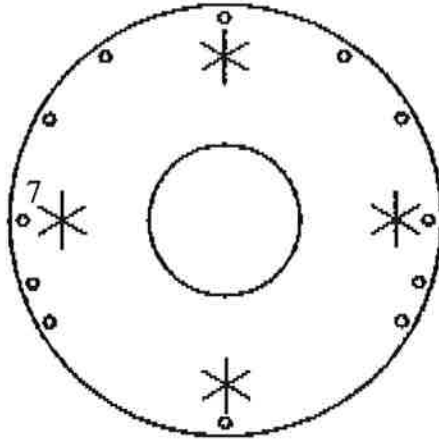
1 POCKET  
60"



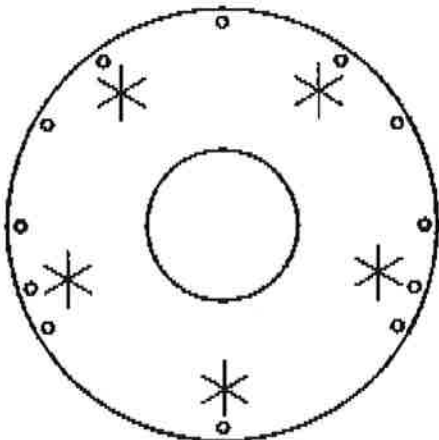
2 POCKETS  
30"



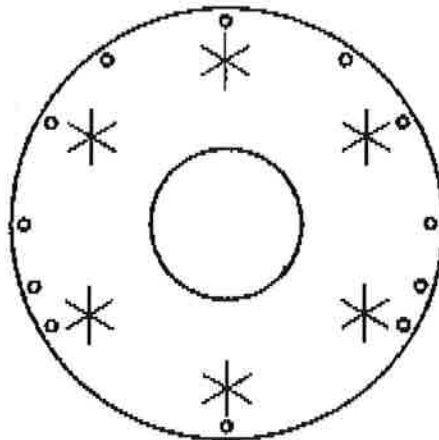
3 POCKETS  
20"



4 POCKETS  
15"



5 POCKETS  
12"



6 POCKETS  
10"

# MODEL 900 OPERATING INSTRUCTIONS

1. Loosen at least 6" of soil before laying plastic.
2. Set the width of your drive wheels. Loosen the set screws on the drive wheel hubs and slide the
3. To determine planting depth, lower unit in field and watch the pockets as they lower into the plastic mulch. If the pockets need to go deeper into the mulch to cover the cell of the plant, loosen the pillow blocks on the back axle and move the axle up. Move the back axle down if transplanter is setting the plug too deep.
4. Make sure planter frames are parallel to the ground. Re-adjust axle if frame is not parallel to ground.
5. Make sure unit has float in the hitch. To adjust this, lengthen or shorten tractors' third arm. 1/2" of space should exist between hitch pickup plate and the unit frame. The full weight of the
6. Plastic stripper plates should run 1" above the plastic mulch. They can be adjusted up or down.
7. Packing wheels are fully adjustable for added packing pressure and soil flow. To adjust the angle, loosen the 5/8" nut on the axle and adjust the pitch for more or less soil flow. For added packing pressure, lower the #1011 slotted bracket on the side of the transplanter down.

## 8. CHANGING POCKETS & SPACING

Discs that hold pockets are drilled for 1-6 pockets. See the spacing diagram on page 7 for hole patterns. When changing spacing, never remove the pocket with the chain and sprocket. Only remove this pocket for maintenance.

To re-install or replace pockets, attach the lower arms of the pocket to the #1003 disc assembly. **WAIT TO TIGHTEN!!** Attach the arm with the bearing to the large #1001 control disc. **NOW TIGHTEN** all bolts and keep the point of the pocket perpendicular to the ground at all times. Raise rear axle to turn wheels by hand to check operation after changing pockets.

9. Re-check pockets periodically after planting to make sure all are perfectly in line with the frame. Turn the pockets. As they pass through the frame check to see if the top of the pocket is parallel with the frame. If the pocket is tipped forward or backward the roll pin in the small side arm of pocket may be damaged. The #936 coiled roll pin in the small arm will shear if the pocket hits a stone or other hard object so that no further damage is done to the pocket.

# 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.

## **MACHINE IMPROVEMENTS**

*MECHANICAL TRANSPLANTER CO. IS ALWAYS STRIVING TO MAKE IMPROVEMENTS ON THEIR LINE OF EQUIPMENT. MECHANICAL TRANSPLANTER CO. RESERVES THE RIGHT TO MAKE IMPROVEMENTS AND CHANGES AT ANY TIME WITHOUT INCURRING OBLIGATIONS TO MAKE SUCH CHANGES OR ADDITIONS TO EQUIPMENT PREVIOUSLY SOLD.*

## **Limited Warranty**

Mechanical Transplanter Company warrants each item of new equipment manufactured by Mechanical to be free from defects in material and workmanship under normal use and service.

The obligation of Mechanical Transplanter Company under this LIMITED WARRANTY is limited to repairing or replacing as Mechanical may elect, and any parts that prove, in Mechanical's judgment, to be defective in material and workmanship within the first season's use or 45 consecutive days after initially placing equipment in operation, whichever occurs first. Any outside work or alterations without Mechanical's written approval will render the LIMITED WARRANTY void.

Mechanical's obligation specifically excludes any liability for consequential damages, such as loss of profits, delays, expenses, damage to goods or property used in connection with or processed in or by the product sold, or damage to the product sold from whatsoever cause, whether or not such loss is due to negligence of selling dealer of Mechanical Transplanter Company.

This limited warranty shall not apply to any item or machine which shall have been operated in a manner not recommended by the Company nor which shall have been repaired, altered, misused, damaged in an accident, neglected, tampered with or used in any way which in the Company's opinion adversely affects its performance and results.

No person is authorized to give any other warranties or to assume any other liability on behalf of Mechanical Transplanter Company, unless made in writing by Mechanical.

This limited warranty covers repair or replacement of Mechanical Transplanter Co. equipment only and does not cover crop loss, downtime, labor, damage to other equipment, etc.

This limited warranty does not apply to exterior finishes, tires, chain links, bearings, or any other items sold by Mechanical Transplanter Co., but warranted by the original manufacturer except to the extent of their individual manufacturer's warranty.

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