

Mechanical Transplanter

Model CT 8 Parts & Assembly

865	Cement packing wheel	462	Packing wheel sprocket
867	Front end bushing	520R	Chain tightener arm
868	Gauge wheel support shaft	521	Roll pin
869	Gauge wheel support bracket	522	Clip pin
870	Coulter & gauge wheel shaft collar	523	Clevis pin
870T	Coulter top shaft collar	529WP	Plastic scraper blade
871	Coulter fork bracket shaft	636R	Cushion seat bracket (red)
872	Coulter fork bracket	738	1/2" U-bolt
8380	Top pocket shaft	1909	L-bracket
8529W	Scraper extension with blade (pr)	1919	1-1/4 oilite bearing
8533	Scraper assembly	1973	Coulter blade
8436RL	Pocket guides (pr)	1974	Coulter hub
8640	Plant box	1975	Pipe spacer for coulter hub
8641L	Left plantbox stand	FC101	1/4x1/2" Carriage bolt
8641LP	Left foot rest	FC167	5/16x2" Carriage bolt
8641R	Right plant box stand	FC205	3/8x3/4" Carriage bolt
8641RP	Right footrest	FC213	3/8x1-1/2" Carriage bolt
8FE	Frame front end	FC339	1/2x2" Carriage bolt
8GW	Gauge wheel	FH113	1/4x1-1/2" Hex head cap screw
8PF	Planter frame	FH159	5/16x1" Hex head cap screw
8PS	Pipe stand	FH189	5/16x5-1/2" Hex head cap screw
8PSL	Pipe stand lever	FH243	3/8x6-1/2" Hex head cap screw
8S	Shoe less point	FH333	1/2x1-1/4" Hex head cap screw
8SP	Shoe point	FH335	1/2x1-1/2" Hex head cap screw
51S	Steel drive chain (per ft)	FH483	5/8x10-1/2" Hex head cap screw
313	1/4x1-1/2" Cotter pin	FH509	3/4x2" Hex head cap screw
348	Lower pocket shaft	FMB450	3/4" Machinery bushing
355	Lower pocket sprocket	FNH200	3/8" Hex nut
355T	Upper pocket sprocket	FNH300	1/2" Hex nut
356	Packing wheel axle	FNJ450	3/4" Hex jam nut
362	Nylon bushing for lower shaft	FNN150	5/16" Nylock hex nut
373	Chain tightener spring	FNN400	5/8" Nylock hex nut
374S	Steel attachment link	FNW150	5/16" Wing nut
376	Tension spring	FP213	3/8x1-1/2" Plow bolt
376S	Short tension spring	FSC550	1" Set collar
377CT8	6 Pocket chain, 5 links between	FSQ205	3/8x3/4" Square head set screw
383	9 tooth spacing sprocket	FSQ331	1/2x1" Square head set screw
434	7/8" oilite wheel bearing	FW150	5/16 USS flat washer
436B	L-bolt for pocket guide	FW200	3/8" USS flat washer
440	Spring with UHMW rollers	FW300	1/2" USS flat washer
445	Double neoprene gripper	FW450	3/4" USS flat washer
450	Pocket frame	MTAG	Cat. I pin
454	Galvanized rear drive spring holder	OE77	Cushion seat with bracket
461	J-bolt for wheel sprocket		

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Assembly Instructions

1. Attach the front coultter section to the unit section by sliding the unit into the front frame. Insert the spacers into the front frame and fasten using 3/4" washers and 3/4x2" hex head bolts. Thread them into the unit frame and secure with 3/4" jam nuts.
2. Remove the 3/8x6-1/2" hex head bolt from the center of the uprights. Place the bottom of the plant stand over the end of the axle. Replace the 3/8x6-1/2" hex head bolt through the hole in the plant stand and upright. Put the other plant stand on and tighten with 3/8" hex nuts. The lower front part of the plant stand fastens onto the shoe brace bolts. Put the cotter pins in the axle to hold the plant stand on the axle.
3. Fasten the seat L-bracket to the frame with the 1/2" U-bolt then bolt on seat.
4. Place the plant boxes onto the plant box stands.
5. Hook unit to tractor and raise the three pipe stands before attempting to plant.

Operating Instructions

1. Lower unit into ground until front hitch frame and planting unit frame are running level. The coultter should be in ground up to hub mounting.
2. Adjust third arm on tractor so planting unit frame is floating in the middle of the pickup bar under the seat.
3. Adjust gauge wheel to proper height.
4. Weight brackets on front hitch frame should carry approximately twice the weight of the rear planter weight bracket.
5. Make sure coultter is running straight in line with the center of the shoe. Adjustment is provided by loosening the 5/8x10-1/2" hex head bolt in the coultter hub. Rre-align coultter and tighten bolt. Dirt should be flowing equally along both sides of shoe when coultter is straight.
6. To change spacing sprockets (a) Raise unit off ground (b) Remove cotter pin inside wheel and pull wheel out to next cotter pin holding the plant stand (c) Remove clip pin and pull sprocket off shaft (d) Select correct size sprocket for desired spacing and place on shaft (e) Replace clip pin to hold sprocket on shaft (f) Move wheel back in place and secure with cooter pin (g) Repeat on other side of unit. Be sure to use same size spacing sprocket on both sides.

MODEL CT-8 SPACING CHART					
POCKETS ON CHAIN	NO. OF TEETH ON SPACING SPROCKETS				
	7	8	9	10	11
6	24" 61 cm	26" 66 cm	28" 71.1 cm	30" 76.2 cm	32" 81.3 cm
3	48" 122 cm	52" 132 cm	56" 142 cm	60" 152 cm	64" 162 cm
2	72" 183 cm	78" 198 cm	84" 213 cm	90" 229 cm	96" 244 cm
<small>The above spacings may vary + or - due to ground conditions.</small>					
MECHANICAL TRANSPLANTER COMPANY					
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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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