J.E. LOVE COMPANY



LOVE/ QYJORD SEEDER



FORESTRY PRODUCTS GROUP

P.O. BOX 188

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PHONE: (509) 635-1321

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Manufacturers of Special Harvesting Equipment

J. E. LOVE COMPANY WARRANTY

The J. E. Love Company warrants that it will repair F.O.B. its factory or furnish without charge F.O.B. its factory, a similar part to replace any material in its machinery which within one year after date of retail delivery or lease/rental is proved to the satisfaction of the Company to have been defective at the time it was delivered. Provided that all parts claimed defective shall be returned, properly identified, to the Company's branch having jurisdiction over the territory, charges prepaid.

This warranty to repairs applies only to new and unused machinery, which after shipment from the factory of the Company, has not been altered, changed, repaired or treated in any manner whatsoever, and does not extend to equipment or implements not manufactured by the J. E. Love Company, although sold or operated with the Company's Machinery.

Furthermore, component parts, equipment, accessories and items not fabricated by J. E. Love Company are warranted only to the extent of the original manufacturer's warranty.

THIS WARRANTY TO REPAIR IS THE ONLY WARRANTY EITHER EXPRESS, IMPLIED OR STATUTORY, UPON WHICH SAID MACHINERY IS SOLD. SPECIFICALLY, THE J. E. LOVE COMPANY DISCLAIMS ANY IMPLIED WARRANTY OF MERCHANTABILITY OR IMPLIED WARRANTY OF FITNESS FOR PURPOSE.

The Company's liability in connection with this transaction is expressly limited to the repair or replacement of defective parts; all other damages and warranties, statutory or otherwise, being hereby expressly waived by the purchaser.

No representative of the Company has the authority to change this warranty or this contract in any manner whatsoever, and no attempt to repair or promise to repair or improve the machinery covered by this contract by any representative of the Company shall waive any consideration of the contract or change or extend this warranty in any manner whatsoever.

The J. E. Love Company shall in no event be responsible or liable in damages for losses, delays or nonperformance caused by or due to current energy, fuel or material shortages or due to Labor Contracts beyond the control of the Company.

WARRANTY CLAIMS PROCEDURE

- 1. A warranty claim must be submitted through the point of purchase.
- 2. Defective parts for such a warranty claim is made must be returned to the J. E. Love Company, transportation charges prepaid, within 30 days from the claim date.

RETURNED GOODS POLICY

- 1. No goods may be returned without prior approval.
- 2. All goods returned must be accompanied with documentation identifying date of purchase.
- 3. All goods returned must be delivered to J. E. Love Company, transportation charges prepaid.
- 4. A 15% restocking charge is applied to returned goods credits.

- SAFETY PRECAUTIONS -



Attention! Your Safety is Involved

This symbol is used to call the Operator's attention to safety precautions. When you see this symbol, heed its warning



WARNING - SHIELDS ARE FOR YOUR PROTECTION - KEEP THEM IN PLACE.



CAUTION - BLOCK SECURELY - DO NOT PLACE YOURSELF UNDER ANY EQUIPMENT SUSPENDED HYDRAULICALLY WITH MECHANICAL STOPS, JACKS OR HOISTS WITH OUT BLOCKING SECURELY.



CAUTION - STOP MACHINERY TO CLEAN , OIL OR REPAIR.



CAUTION - RELEASE TO LOWEST POSITION BEFORE LUBRICATING OR SERVICING.



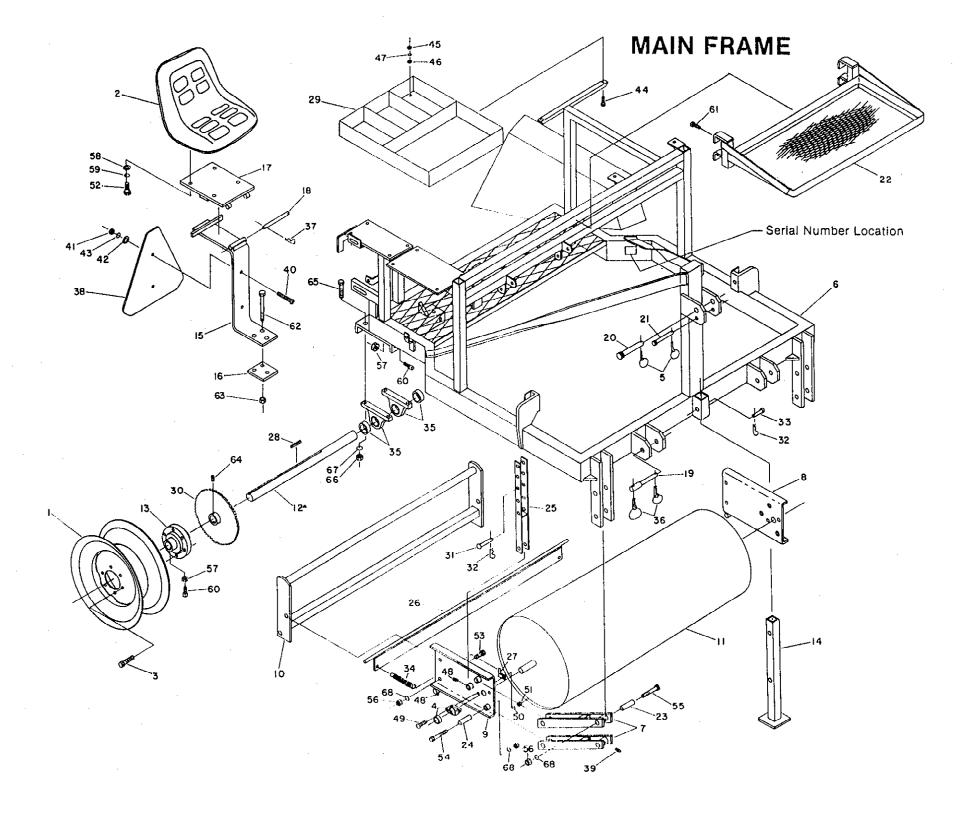
CAUTION - KEEP HANDS, FEET, AND CLOTHING AWAY FROM POWER DRIVEN PARTS.



CAUTION - OPERATOR MUST DISMOUNT THE SEEDER BEFORE IT IS LIFTED.



CAUTION - BALLAST TRACTOR TO GAIN STABILITY, WHEN NECESSARY.



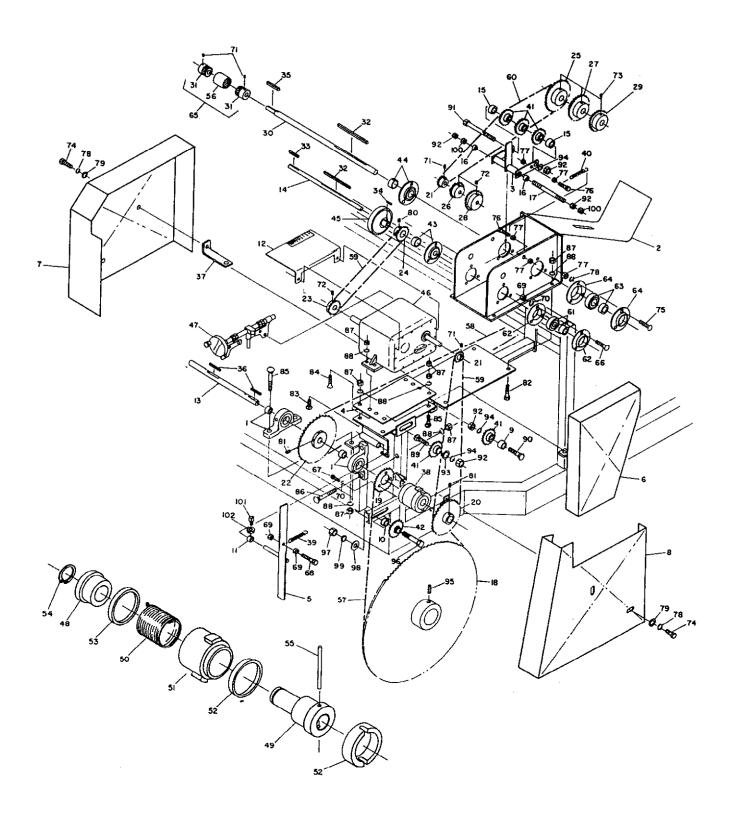
MAIN FRAME

KEY	PART NO.	QTY.	WHEEL (16 X 5.50, SAE #623) SEAT WHEEL BOLT ROLLER SHAFT BEARING QUICK LOCK PIN SEEDER FRAME, STANDARD ROWS PARALLEL LINK LEFT ROLLER LUG RIGHT ROLLER LUG TOOL BAR ROLLER, 12" - SERIAL NO. 10092 AND LATER ROLLER, 18" - SERIAL NO. 10001 TO 10091 AXLE HUB JACK STAND SEAT STAND SEAT SUPPORT CLAMP SEAT BASE SEAT HINGE PIN LOWER HITCH PIN CATEGORY II UPPER PIN FRONT STORAGE TRAY FORWARD LINK BEARING LOWER LINK BEARING ROLLER LUG LIFT ARM ROLLER SCRAPER SCRAPER SPRING RETAINER DRIVE AXLE KEY TOOL TRAY TOOL TRAY, SERIAL #10001 TO 10063 PRIMARY DRIVE SPROCKET (96T) ROLLER STOP PIN HAIR PIN CLIP JACK STAND PIN ROLLER SCRAPER PIN 1-7/8" PILLOW BLOCK BEARING LYNCH PIN HAIR PIN CLIP SLOW MOVING VEHICLE SIGN ZERK, 1/8 NPT STRAIGHT #10-24 UNC X 1-1/4" MACHINE SCREW #10-24 UNC HEX NUT 3/16 FLAT WASHER 1/4 LOCK WASHER
1	A1574	2	WHEEL (16 X 5.50, SAE #623)
2	B1591	1	SEAT
3	B1616	12	WHEEL BOLT
4	B1664	2	ROLLER SHAFT BEARING
5	D10089	2	QUICK LOCK PIN
6	S10001	1	SEEDER FRAME, STANDARD ROWS
7	S10003	4	PARALLEL LINK
8	S10004	1	LEFT ROLLER LUG
9	S10005	1	RIGHT ROLLER LUG
10	S1006	1	TOOL BAR
11	T10579	1	ROLLER, 12" - SERIAL NO. 10092 AND LATER
	S10007	1	ROLLER, 18" - SERIAL NO. 10001 TO 10091
12	S10013	2	AXLE
13	S10014	2	HUB
14	S10015	1	JACK STAND
15	S10019	1	SEAT STAND
16	S10020	1	SEAT SUPPORT CLAMP
17	S10021	1	SEAT BASE
18	S10023	1	SEAT HINGE PIN
19	S10029	2	LOWER HITCH PIN
20	S10030	1	CATEGORY I UPPER PIN
2 T	S10031	1	CATEGORY I UPPER PIN
22	S10035	1	FRUNI SIURAGE IRAY
23	S10043	4	FORWARD LINK BEARING
24	S10044 C1004E	2	DOLLED THE TER ADM
25	S10045 C10046	∠ 1	DOLLED CCDYDED
27	S10040 S10047	2	CCDADED CDDING DETAINED
28	S10047 S10052	2	DRIVE VAILE REA
29	S10032 S10072	1	TOOI, TRAY
20	S10072	1	TOOL TRAY, SERIAL #10001 TO 10063
3.0	S10125	1	PRIMARY DRIVE SPROCKET (96T)
31	S11003	2	ROLLER STOP PIN
32	S11004	3	HATR PIN CLIP
33	S11005	1	JACK STAND PIN
34	S11006	2	ROLLER SCRAPER PIN
35	S11024	4	1-7/8" PILLOW BLOCK BEARING
36	S11027	4	LYNCH PIN
37	S11043	2	HAIR PIN CLIP
38	K2189	1	SLOW MOVING VEHICLE SIGN
39	X6A5000	4	ZERK, 1/8 NPT STRAIGHT
40	X2K0100125	2	#10-24 UNC X 1-1/4" MACHINE SCREW
41	X2C010	2	#10-24 UNC HEX NUT
42	X3C018	2	3/16 FLAT WASHER
43	X3B018	2	3/16 LOCK WASHER
44	X2A0250075	4	1/4-20 UNC X 3/4" CAP SCREW
45	X2C025	4	1/4-20 UNC HEX NUT
46	X3C025	4	1/4 FLAT WASHER
47	X3B025	4	1/4 LOCK WASHER

MAIN FRAME

KEY	PART NO.	QTY.	DESCRIPTION
51 52	X2C031 X2A0370075	4 4 4 4	ZERK, 1/4-28 UNF STRAIGHT 5/16-18 UNC X 1-1/4" CARRIAGE BOLT 5/16 LOCK WASHER 5/16-18 UNC HEX NUT 3/8-16 UNC X 3/4" CAP SCREW 1/2-13 UNC X 1-1/4" CAP SCREW
54 55 56 57 58	X2A0500250 X2A0500350 X2C050 X2D037 X3C037	6 4 14 6 4	1/2-13 UNC X 2-1/2" CAP SCREW 1/2-13 UNC X 3-1/2" CAP SCREW 1/2-13 UNC HEX NUT 3/8-16 UNC JAM NUT
60 61 62 63 64 65 66	X2F037125	6 4 3 3 2 8	3/8-16 UNC X 1-1/4" SQUARE HEAD SET SCREW 3/8-16 UNC X 1" CAP SCREW 1/2-13 UNC X 5-1/2" CAP SCREW 1/2-13 UNC SELF LOCKING NUT 1/2-13 UNC X 1/2" SET SCREW

FEEDER DRIVE AND TRANSMISSION



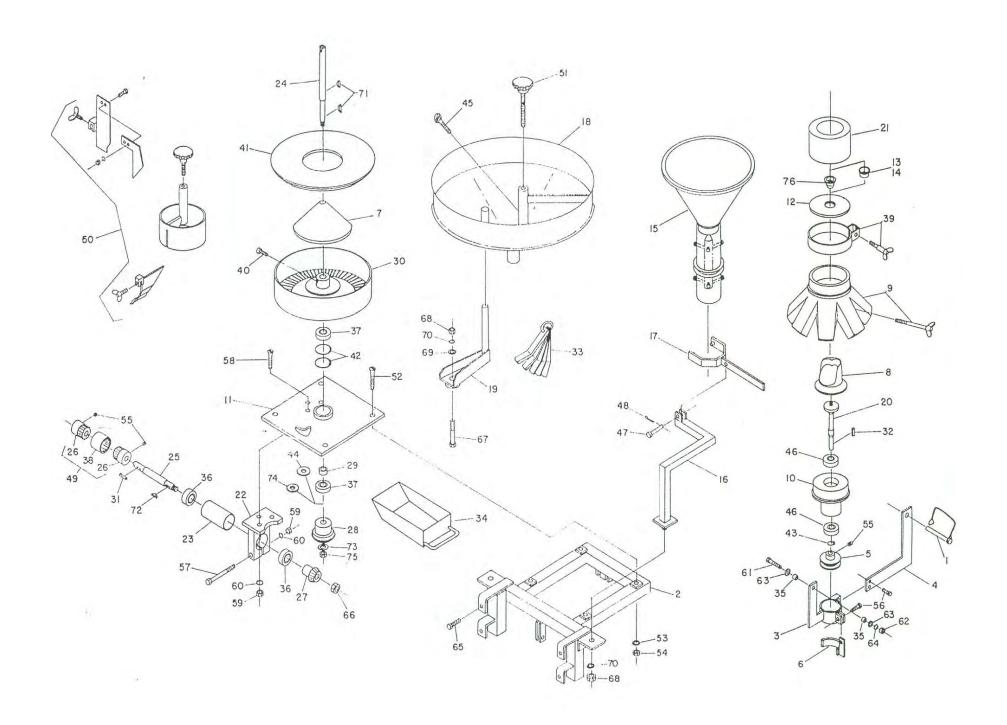
FEEDER DRIVE AND TRANSMISSION

KEY	PART NO.	QTY.	DESCRIPTION
1	S11101	2	JACKSHAFT BEARING
2	S10002	1	TRANSMISSION HOUSING
3	S10012	1	IDLER BRACKET
4	S10016	1	TRANSMISSION HOUSING IDLER BRACKET VARIABLE SPEED MOUNTING PLATE CLUTCH DISENGAGING DOG OUTSIDE UPPER SHIELD INSIDE MAIN SHIELD SHIELD, OUTSIDE LOWER IDLER SPACER IDLER SPACER LOCKING COLLAR CALIBRATION PLATE BRACKET CALIBRATION DECAL, SHIP LOOSE JACKSHAFT PRIMARY TRANSMISSION SHAFT TRANSMISSION IDLER SPACER IDLER SPACER PRIMARY DRIVE SPROCKET (96T) CLUTCH SPROCKET (24 T) JACK SHAFT FEEDER SPROCKET (48t) FEEDER DRIVE SPROCKET (21t) OVERLOAD CLUTCH SPROCKET (21t) OVERLOAD CLUTCH SPROCKET (36t) FEEDER DRIVE SPROCKET (36t) FEEDER DRIVE SPROCKET (36t) FEEDER DRIVE SPROCKET (30t) FEEDER DRIVE SPROCKET (30t) FEEDER DRIVE SPROCKET (25t) FEEDER DRIVE SPROCKET (25t) FEEDER DRIVE SPROCKET (25t) TRANSMISSION OUTPUT SHAFT FLEXIBLE COUPLER HUB TRANSMISSION INPUT KEY OVERLOAD CLUTCH KEY, SERIAL NO. 10081 & LATER
5	S10022	1	CLUTCH DISENGAGING DOG
6	S10036	1	OUTSIDE UPPER SHIELD
./	S10037	1	INSIDE MAIN SHIELD
8	S10038	1	THIED CHACED
10	S10049 C10050	1	TOLER SPACER
11	S10050 S10051	1	LOCKING COLLAR
12	S10031	1	CALIBRATION PLATE BRACKET
	D-88	1	CALIBRATION DECAL, SHIP LOOSE
13	S10057	1	JACKSHAFT
14	S10058	1	PRIMARY TRANSMISSION SHAFT
15	S10065	2	TRANSMISSION IDLER SPACER
16	S10066	2	TRANSMISSION BRACKET SPACER
17	S10067	1	IDLER SPACER
18	S10125	1	PRIMARY DRIVE SPROCKET (96T)
19	S10126	1	CLUTCH SPROCKET (24 T)
20	S10127	1	JACK SHAFT FEEDER SPROCKET (48t)
21	S10128	2	FEEDER DRIVE SPROCKET (12t)
22	S10129 C10121	1	SPINNER DRIVE SPROCKET (600)
2.4	210222	1	OVEDIOND CITTECT CODOCKET (21t) CM 10001 & IID
24	S10223 S10132	Τ.	OVERLOAD CHOICH SPROCREI (210) SN 10001 & 0P
25	S10132 S10133	1	FEEDER DRIVE SPROCKET (36+)
26	S10133	1	FEEDER DRIVE SPROCKET (20t)
27	S10135	1	FEEDER DRIVE SPROCKET (30t)
28	S10136	1	FEEDER DRIVE SPROCKET (25t)
29	S10137	1	FEEDER DRIVE SPROCKET (25t)
30	S10151	1	TRANSMISSION OUTPUT SHAFT
31	S10152	2	FLEXIBLE COUPLER HUB
32	S10159	2	TRANSMISSION KEY
33	S10160	1	TRANSMISSION INPUT KEY OVERLOAD CLUTCH KEY, SERIAL NO. 10081 & LATER OVERLOAD CLUTCH KEY, SERIAL NO. 10001 TO 10080 COUPLER KEY
34	S10224	1	OVERLOAD CLUTCH KEY, SERIAL NO. 10081 & LATER
2.5	S10161	2	OVERLOAD CLUTCH KEY, SERIAL NO. 10001 TO 10080
35	S10162	2	COUPLER REY
30 37	S10164 C10167	∠ 1	PRIMARY JACKSHAFT KEY INSIDE SHIELD TOP MOUNT
38	S11100	1	SEEDER DRIVE CLUTCH, SERIAL 10064 & UP
30	S11001	_	SEEDER DRIVE CLUTCH, SERIAL 10001 TO 10063
39	S11007	1	CLUTCH DISENGAGEMENT SPRING
40	S11008	2	TRANSMISSION IDLER SPRING
41	S11022	5	#35 CHAIN IDLER SPROCKET
42	S11023	1	#40 CHAIN IDLER SPROCKET
43	S11025	2	5/8 FLANGETTE BEARING ASSEMBLY
44	S11026	2	3/4 FLANGETTE BEARING ASSEMBLY
45	S11106	1	TORQUE LIMITER, SERIAL 10064 UP
4 -	S11028	7	OVERLOAD CLUTCH, SERIAL 10001 TO 10063
46	S11029	1	VARIABLE RATIO TRANSMISSION
47	S11030	1	SCREW CONTROL
48 49	S11031 S11032	1 1	INPUT HUB OUTPUT ASSEMBLY
49 50	S11032 S11033	1	DRIVE SPRING
51	S11033 S11099	1	CONTROL, COLLAR, 3 STOPS, SN 10064 & UP
~ ±	S11033	_	CONTROL COLLAR, SERIAL #10001 TO 10063
			,

FEEDER DRIVE AND TRANSMISSION

S2 S11035
S1
54 \$11037 1 RETAINING RING 55 \$11038 1 ROLL PIN 56 \$11048 1 COUPLER SLEEVE 57 \$11073 1 PRIMARY DRIVE CHAIN ASSEMBLY 58 \$10232 1 SPINNER DRIVE CHAIN ASSEMBLY 59 \$11075 2 VARIABLE RATIO TRANSMISSION CHAIN ASSEMBLY 60 \$11076 1 TRANSMISSION CHAIN ASSEMBLY 61 \$11081 2 \$5/8 FLANGETTE BEARING ONLY 62 \$11082 4 \$5/8 FLANGETTE STAMPING 63 \$11083 2 3/4 FLANGETTE STAMPING 64 \$11084 4 3/4 FLANGETTE STAMPING 65 \$12002 1 FLEXIBLE COUPLER ASSEMBLY 66 \$220025 6 1/4-20 UNC X 3/4" CAP SCREW 67 \$220025 8 1/4-20 UNC X 1/2 CAP SCREW 68 \$220250075 6 1/4-20 UNC X 1/4" SET SCREW 71 \$23025050 6 1/4-20 UNC X 1/4" SET SCREW 72 \$220250
Sind Sind
S1048
57 \$11073 1 PRIMARY DRIVE CHAIN ASSEMBLY 58 \$10232 1 SPINNER DRIVE CHAIN ASSEMBLY 59 \$11075 2 VARIABLE RATIO TRANSMISSION CHAIN ASSEMBLY 60 \$11076 1 TRANSMISSION CHAIN ASSEMBLY 61 \$11081 2 \$/8 FLANGETTE BEARING ONLY 62 \$11082 4 \$/8 FLANGETTE BEARING ONLY 63 \$11083 2 3/4 FLANGETTE BEARING ONLY 64 \$11084 4 3/4 FLANGETTE STAMPING 65 \$12002 1 FLEXIBLE COUPLER ASSEMBLY 66 \$12002 1 FLEXIBLE COUPLER ASSEMBLY 67 \$2A20250075 6 \$1/4-20 UNC X 3/4" CAP SCREW 68 \$2A20250100 1 \$1/4-20 UNC X 1" CAP SCREW 69 \$2C025 8 \$1/4-20 UNC X 1/4" SET SCREW 71 \$2G025037 6 \$1/4-20 UNC X 1/4" SET SCREW 72 \$2G025050 6 \$1/4-20 UNC X 3/4" CAP SCREW 75 \$2B0310075 6 \$5/16-18 UNC X 1" CAP SCREW
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87 X2C037 18 3/8-16 UNC HEX NUT
87 X2C037 18 3/8-16 UNC HEX NUT 88 X3B037 16 3/8 LOCK WASHER
88 X3B03/ 16 3/8 LOCK WASHER
89 X2B0500200 1 1/2-13 UNC X 2" CARRIAGE BOLT
90 X2B0500300 1 1/2-13 UNC X 3" CARRIAGE BOLT 91 X2A0500475 1 1/2-13 UNC X 4-3/4" CAP SCREW 92 X2C050 5 1/2-18 UNC HEX NUT
91 X2A0500475 1 1/2-13 UNC X 4-3/4" CAP SCREW
92 X2C050 5 1/2-18 UNC HEX NUT
93 X3C050 1 1/2 FLAT WASHER
94 X3B050 3 1/2 LOCK WASHER
95 X2G050050 2 1/2-13 UNC X 1/2" SET SCREW
96 X2A0620250 1 5/8-11 UNC X 2-1/2" CAP SCREW
97 X2C062 1 5/8-11 UNC HEX NUT
98 X3C063 1 5/8 SAE FLAT WASHER
99 X3B062 1 5/8 LOCK WASHER
100 X2D050 2 1/2-13 UNC HEX JAM NUT
101 X2F025075 1 1/4-20 UNC X 3/4" SQUARE HEAD SET SCREW
102 X2D025 1 1/4-20 UNC HEX JAM NUTS

FEEDER AND SPINNER MECHANISMS



FEEDER AND SPINNER MECHANISMS

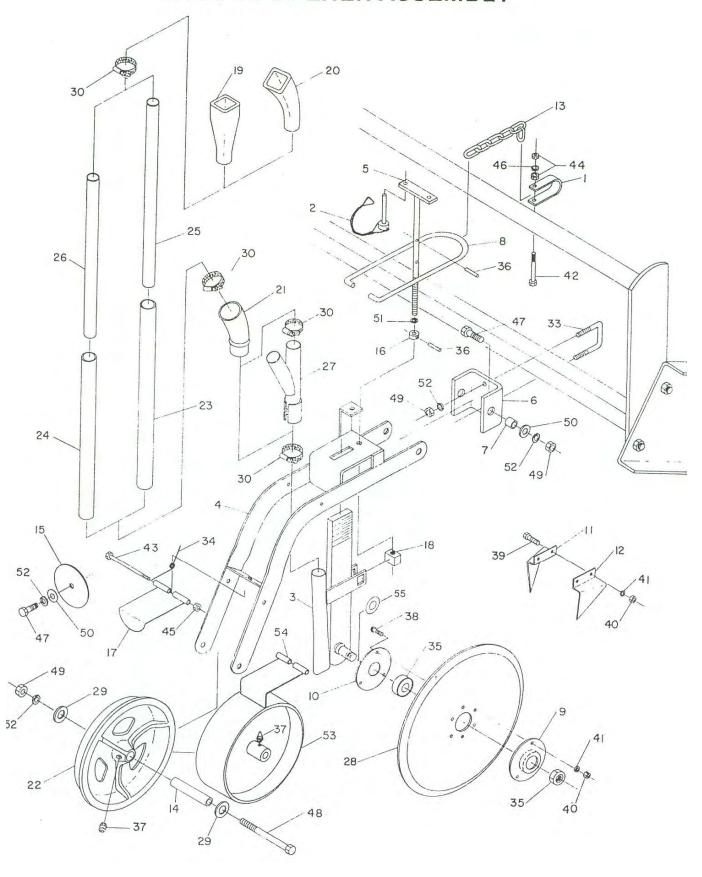
KEY	PART NO.	QTY.	DESCRIPTION
1	K3031	1	SNAPPER PIN
2	S10076	1	FEEDER SUPPORT FRAME
3	S10077	1	SPINNER SUPPORT
4			SPINNER SUPPORT BAR
5	S10041	1	2.15" PITCH DIAMETER SHEAVE
6	S10062	1	SPINNER SHIELD
7			FEEDER CONE
8	S10102	1	SPINNER
9	S11116	1	DISTRIBUTOR HEAD, 4 ROWS
	S11124	1	DISTRIBUTOR HEAD, 5 ROWS - LARGE PORTS DISTRIBUTOR HEAD, 6 ROWS - LARGE PORTS
	S11123	1	DISTRIBUTOR HEAD, 6 ROWS - LARGE PORTS
	S10217		DISTRIBUTOR HEAD, 6 ROWS - REFINED SMALL PORTS
	S10103		DISTRIBUTOR HEAD, 6 ROWS - SERIAL #10001 TO #10063
	S11131		DISTRIBUTOR HEAD, 7 ROWS - LRGE PORTS - SERIAL #10106
	S10218		DISTRIBUTOR HEAD, 7 ROWS - REFINED SMALL PORTS
	S10104		DISTRIBUTOR HEAD, 7 ROWS - SERIAL #10001 TO #10063
	S10219		DISTRIBUTOR HEAD, 8 ROWS - REFINED SMALL PORTS
	S10105		DISTRIBUTOR HEAD, 8 ROWS - SERIAL #10001 TO #10063
	S11120	1	DISTRIBUTOR HEAD, 8 ROWS - LARGE PORTS
9a	S11113	(1)	WING SCREW, M6-1.0 X 75 - PLATED
10			SPINNER SUPPORT BLOCK
11			FEEDER PLATE
12	S10108	1	NOZZLE PLATE (NOT USED WITH LARGE SEED OPTION)
13	S10109	1	SMALL NOZZLE, 0.56 DIA BORE (1)
14	S10110	1	LARGE NOZZLE, 0.88 DIE BORE (1)
15	S10115	1	SMALL BATCH FUNNEL
16			SMALL BATCH FUNNEL SUPPORT
17	S10119	1	SMALL BATCH LIFT ARM
18			BULK SEED HOPPER
			HOPPER SUPPORT
			SPINNER SHAFT
21		1	SPINNER CONCENTRATOR, SERIAL #10001 TO 10063
	S10215	1	SPINNER CONCENTRATOR
22	S10147	1	FEEDER DRIVE BLOCK
23	S10148	1	BEARING TUBE
24	S10149	1	FEEDER SHAFT
25	S10150	1	FEEDER DRIVE SHAFT
26	S10152	2	FLEXIBLE COUPLER HUB
27	S10153	1	BEVEL GEAR (18t)
28	S10154	1	BEVEL GEAR (36t)
29	S10155	1	FEEDER BEARING SPACER
30	S10157	1	FEEDER WHEEL
31	S10162	2	COUPLER KEY
32	S10163	1 1	SPINNER KEY
33 34	S10165 S10166	1	HOPPER HEIGHT GAUGE CATCH PAN
34 35	S10166 S10028	2	BUSHING
33	210070	۷	DUITIIG

FEEDER AND SPINNER MECHANISMS

KEY	PART NO.	QTY.	DESCRIPTION
36	S11045	2	BEARING
37	S11046	2	BEARING
38	S11048	1	COUPLER SLEEVE
39			
	S11112		WING BOLT (FOR S11055)
40	S11056	1	FEEDER SET SCREW
41	S11057	1	FEEDER COVER
42	S11058	2	RETAINING RING
43	S11059	1	RETAINING RING
	X3D13787-2		
	S11071		
46	S11077	2	SEALED SPINNER BEARING
47	S11079	1	SMALL BATCH YOKE PIN
48	S11080	1	COTTER PIN
49	S12002	1	FLEXIBLE COUPLER ASSEMBLY
50	S12003		
51	S12004	1	FEED CONTROL SCREW
52	X2K0250250	4	1/4-20 UNC X 2-1/2" FLAT HEAD CAP SCREW
53	X3B025	4	1/4 LOCK WASHER
54	X2C025	4	1/4-20 UNC HEX NUT
55	X2G0250025	6	1/4-20 UNC X 1/4" SET SCREW
	X2A0310100		5/16-18 UNC X 1" CAP SCREW
			5/16-18 UNC X 3" CAP SCREW
58	X2K0310150	3	5/16-18 UNC X 1-1/2" FLAT HEAD CAP SCREW
59	X2C031	3	5/16-18 UNC HEX NUT
60	X3B031	3	5/16 LOCK WASHER
61	X2A0310175	1	3/8-16 UNC X 1-3/4" CAP SCREW
	X2C037		
	X3C037		
64	X3B037	1	3/8 LOCK WASHER
65	X2A0430100	4	7/16-14 UNC X 1" CAP SCREW
66	X2D050	1	1/2-13 UNC HEX JAM NUT
67	X2A0620250	1	5/8-11 UNC X 2-1/2" CAP SCREW
68	X2C062	2	5/8-11 UNC HEX NUT
69	X3C062	1	5/8 FLAT WASHER
70	X3B062	2	5/8 LOCK WASHER
71	X3H808	2	#808, 1/4 X 1" WOODRUFF KEY (B1821)
72	Х3Н606	1	#606, 3/16 X 3/4" WOODRUFF KEY (B1819)
73	X3C063	1	5/8 SAE FLAT WASHER
74	X3D13787-1		MACHINE BUSHING (AS REQUIRED) [WAS S11089]
75	S11039	1	LOCK NUT
76	S10216	1	NOZZLE, SPECIAL - 0.75 DIA BORE (1)

(1) NOTE: NOZZLES ARE $\underline{\text{NOT}}$ USED WITH LARGE SEED CONVERSION, S12047.

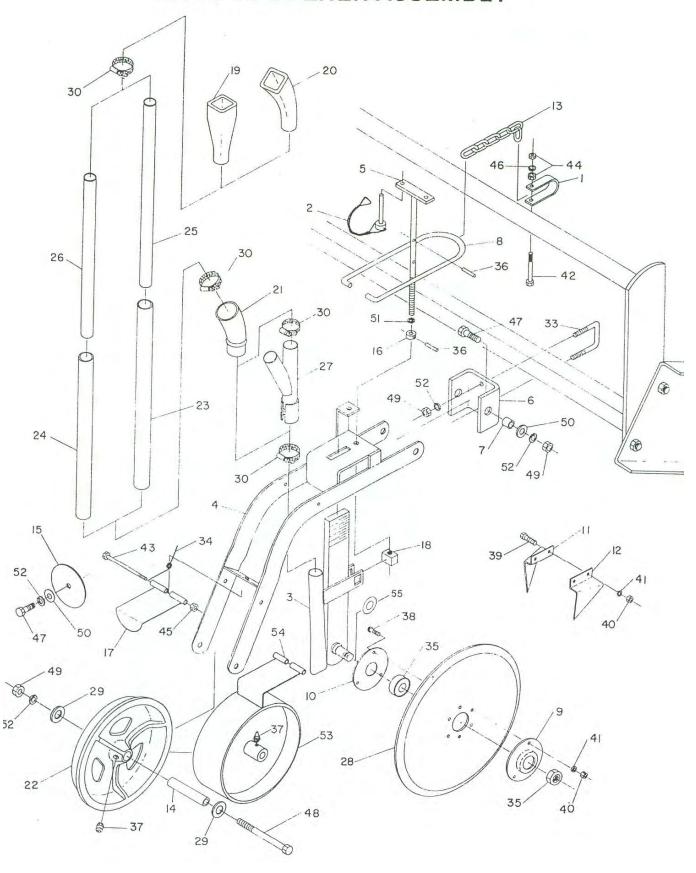
GROUND OPENER ASSEMBLY



GROUND OPENER ASSEMBLY S12006, CONCAVE PACKER WHEEL S12023, FLAT PACKER WHEEL

KEY	PART NO.	QTY.	DESCRIPTION
1	H7003	1	U-CLIP
2	R14184	2 1	SNAPPER PIN
3	S10008	1	DISC LUG, SERIAL NO. 10016 & LATER
			FOR SERIAL #10001 TO 10015, ORDER 1 EACH
2 -	G10040	1 177	S10008 AND S10070, NUT
	S10243	1 EA 1	ADAPTER, LARGE DROP TUBE (NOT SHOWN) GROUND OPENER FRAME
4 5	S10009 S10011	2	DEPTH ADJUSTING SCREW
6	S10011 S10027	1	OPENER FRAME HINGE
7	S10028	2 1 2	OPENER HINGE BUSHING
8	S10032	1	OPENER SUPPORT LOOP
9	S10069	1 2	BEARING OUTER FLANGE - SERIAL NO. 10036 & LATER
	S10033		BEARING OUTER FLANGE - SERIAL NO. 10001 TO #10035
10	S10034	2	BEARING INNER FLANGE
11	S10039		LEFT OUTSIDE DISC SCRAPER (SERIAL #10001 TO #10015)
12 13	S10040 S10048	1	RIGHT OUTSIDE DISC SCRAPER (SERIAL #10001 TO #10015) OPENER SUPPORT CHAIN
14	S10048 S10055	1 1	PACKER WHEEL BUSHING
15	S10055 S10056	1	PACKER WHEEL SCRAPER (SERIAL #10001 TO S10015)
16	S10061	2	ADJUSTING BOLT COLLAR
17		2 1	
18		2	LUG NUT
19	S10111	AR AR	STRAIGHT TRANSITION CONNECTOR
2.0	S11121 S10112		
20			BENT TRANSITION CONNECTOR BENT TRANSITION CONNECTOR - LARGER SIZE
21	S11122 S10113	2	BENT REDUCTION CONNECTOR - HARGER SIZE
22	S10113 S10114	2	PACKER WHEEL HALF
23,25			SEED TUBES, AFTER SERIAL NUMBER 10105
23	S11125		LOWER SEED TUBE, LARGE SIZE - 40 MM X 16" MINIMUM
25	S11126		UPPER SEED TUBE, LARGE SIZE - 34 MM X 16" MINIMUM
23-26	G1 01 0 0		SEED TUBES, PRIOR TO SERIAL NUMBER 10105
23	S10138	AR	LOWER SEED TUBE, LONG - 1-1/4" O.D. X 15-1/2" LOWER SEED TUBE, SHORT - 1-1/4" O.D. X 13-1/2"
24 25	S10139 S10140	AR AR	UPPER SEED TUBE, LONG - 1" O.D. X 15-3/4"
26	S10140 S10141	AR	UPPER SEED TUBE, SHORT - 1" O.D. X 13-3/4"
20	S11125	AR	SEED DROP TUBE ASSEMBLY (2 PCS) - LARGE PORTS
	S10243	AR	ADAPTER, LARGE DROP TUBE TO GROUND OPENER
27	S10143	AR	Y-TUBE
	S10243	1 EA	ADAPTER, LARGE DROP TUBE (NOT SHOWN)
28	S11087	2 2	FLAT DISC COULTER (SERIAL #10036 & LATER)
29			FLAT DISC COULTER (SERIAL #10001 TO #10035)
30	S11044 S11052	2 3	PACKER WHEEL THRUST WASHER STEEL TUBE CLAMP
33	S11032 S10245	1	U-CLAMP ASSEMBLY [WAS S1106, U-BOLT]
	S10244		BAR, PLATED
	X2A0370275		3/8-16 UNC X 2-3/4 CAP SCREW (2)
	X2C037		3/8-16 UNC HEX NUT (2)
	X3B037		3/8 LOCK WASHER (2)
34	S11088	1	SPRING
35	S12000		DISC BEARING REPLACEMENT KIT
2.6	W20105 055	0	(INCLUDES BEARING AND LOCK NUT
36 37	X3G125-075 X6A5010	2 3	1/8 X 3/4" SPRING PIN 1/4 UNF X 3/16 ZERK
38	X2K0250050	3 6	1/4-20 UNC X 1/2" TRUSS HEAD CAP SCREW
39	X2A0250100	J	1/4-20 UNC X 1 CAP SCREW (SERIAL #10001 TO #10015)
40	X2C025	6	1/4-20 UNC HEX NUT

GROUND OPENER ASSEMBLY



GROUND OPENER ASSEMBLY S12006, CONCAVE PACKER WHEEL S12023, FLAT PACKER WHEEL

KEY	PART NO.	QTY.	DESCRIPTION
41	X3B025	6	1/4 UNC LOCK WASHER
42	X2A0310175	1	5/16-18 UNC X 1-3/4" CAP SCREW
43	X2A0310550	1	5/16-18 UNC X 4" CAP SCREW
44	X2E031-NF2	2	5/16-18 UNC HEX LOCK NUT 5/16 UNC HEX LOCK NUT
45	X2E031-NF2	1	5/16 UNC HEX LOCK NUT
46	X3B031		5/16 LOCK WASHER - NOT USED WITH LOCKNUTS
47	X2A0370125	2	3/8 UNC X 1-1/4" CAP SCREW
48	S10214	1	PACKER WHEEL BOLT
49	X2C037	AR	3/8 UNC HEX NUT
50	X3C037	2	3/8 FLAT WASHER
51	S11051	1	THRUST WASHER
52	X3B037	7	3/8 LOCK WASHER
53	S10212	1	FLAT PACKER WHEEL
54	S10213	1	FLAT PACKER SCRAPER
55	S11091	AR	COULTER SHIM, 0.015
	S11092	AR	COULTER SHIM, 0.025

