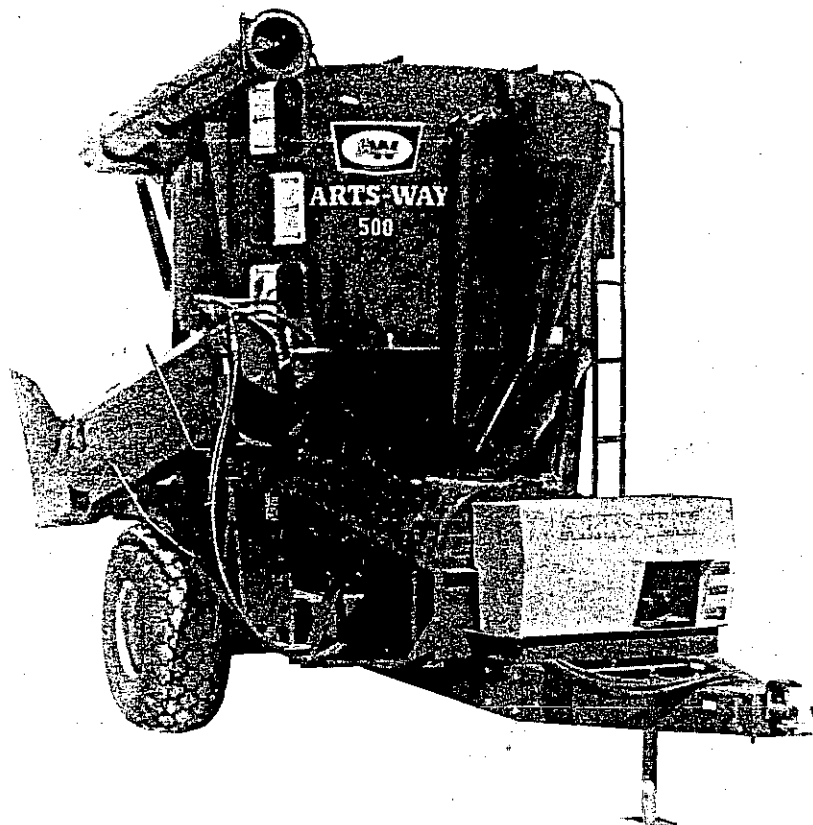


ARTS-WAY

PARTS MANUAL



Model 500

FEED MIXER AND MILL

ARTS-WAY

Mfg. Company / Armstrong, Iowa 50514 / Phone (712) 864-3131

PART NO. 17021-0
REV (G)

WORK SAFELY - FOLLOW THESE RULES



INSTRUCTIONS GIVEN WITH THIS SYMBOL ARE FOR PERSONAL SAFETY. BE SURE YOU AND YOUR WORKERS FOLLOW THEM.

A CAREFUL OPERATOR IS THE BEST INSURANCE AGAINST AN ACCIDENT



CAUTION! Before handling ANY equipment, **READ** the OPERATOR'S MANUAL.

Misuse or modification of this machine can cause:

- mechanical breakdown,
- property damage,
- injury or death.

Always use proper safety precautions. Tell your workers how to work safely.

BEFORE OPERATING

Do not wear loose fitting clothing; it may catch in moving parts.

Make sure that all safety shields, including the tractor power take-off master shield, are in place and properly secured before operating the machine.

Be sure that the correct implement drive line parts are used and that they are properly secured.

After servicing, be sure that all tools, parts, or servicing equipment are removed from the machine.

Make sure that there is no one near the machine before starting it.

Be sure the tractor power take-off is disengaged before starting the tractor engine.

DURING OPERATION

Shut off the tractor engine and be sure to wait until the rotor, belts, etc, have come to a complete stop before adjusting, cleaning, or lubricating.

Do not attempt to remove any obstructions from the auger, or belts while the machine is running.

Do not open any covers and expose the rotor or belts while they are rotating.

Keep hands, feet, and clothing away from moving parts.

Keep children and bystanders away from the machine in operation.

Always disengage the auger feeder before transporting.

Shut off the tractor engine and wait for all moving parts to stop before making any adjustments.

Be careful when ascending or descending the ladder. Wet shoes or boots are slippery.

Hydraulic fluid escaping under pressure can have enough force to penetrate the skin. Hydraulic fluid may also infect a minor cut or opening in the skin. If injured by escaping fluid, see a doctor at once. Serious infection or reaction can result if medical treatment is not given immediately. Make sure all connections are tight and that hoses and lines are in good condition before applying pressure to the system. Relieve all pressure before disconnecting the lines or performing other work on the hydraulic system. To find a leak under pressure use a small piece of cardboard or wood: Never use hands.

Accidents can be prevented

A large number of accidents can be prevented by the operator anticipating the result before it happens and doing something about it. No power-driven equipment can be safer than the man at the controls.

The manufacturer is striving to make the equipment safe, but one careless act by the operator can void all such efforts.

The best kind of a safety device is a careful operator. BE THAT KIND OF AN OPERATOR, as no accident-prevention program can be a success without the co-operation of the operator of the equipment.

INFORMATION FOR ORDERING PARTS

OWNERS NAME _____

ADDRESS _____

DEALERS NAME _____

ADDRESS _____

SERIAL NUMBER _____

DATE PURCHASED _____

A Careful Operator

IS THE BEST INSURANCE
AGAINST AN ACCIDENT

—National Safety Council.

THE IMPORTANCE OF ADEQUATE PARTS AND SERVICE

The wise purchaser of a new machine gives consideration to the following factors:

1. ORIGINAL QUALITY
2. AVAILABILITY OF SERVICE PARTS
3. AVAILABILITY OF ADEQUATE SERVICE FACILITIES

In many cases the machine becomes the only means of performing certain tasks that must be done in a limited period of time. Wear and even breakage of parts are to be expected due to operating conditions. However, the user can still be assured of getting his work done on time if service parts and adequate service facilities are available.

Foresighted Arts-Way dealers make every effort to provide good service and maintain a completely adequate stock of service parts.

INTRODUCTION

This manual contains a list of service parts for the Model 500 Grinder-Mixer unit.

The parts lists are divided into groups or units and consist of:

- A. Description of units.
- B. Exploded views of units.
- C. List of individual service parts and assemblies keyed to the exploded views for easy identification.
- D. Description of service parts, with information as needed to cover years used, supersedence, optional notations, serial number (if any), etc.
- E. Quantity, where necessary, of each individual part used in the unit.

Hardware must be ordered separately as they are not component parts of the pieces they attach.

TO THE OWNER

This Arts-Way unit is another one of the fine products made and the purpose of this manual is to assist you in realizing the benefits you anticipated when you purchased this unit. Many people have contributed to the production of this product. They all have an interest in its successful performance and we are providing this manual to give you the benefit of the experience we have gained through years of building and testing this equipment. The way you operate and the care you give this unit will have much to do with the successful performance of this unit. This operators manual has been carefully prepared and illustrated to make it as easy as possible for you in the operation of your unit. It will pay you to read the entire manual carefully and familiarize yourself with all operations "before operating" this unit. Keep this manual handy for reference. We will be glad to answer any questions you may have. For further information call or write Arts-Way Manufacturing Company, Inc. (712) 864-3131, Armstrong, IA 50514

LIMITED WARRANTY

The ART'S-WAY MANUFACTURING COMPANY, INCORPORATED warrants products sold by it to be free from defects in material and workmanship for a period of one (1) YEAR after the date of delivery to the first purchaser subject to the following conditions:

(1) ART'S-WAY MANUFACTURING COMPANY, INCORPORATED'S obligation and liability under this warranty is to repair or replace at the company's option, any parts which upon manufacture were defective in material or workmanship.

(2) All parts and repairs under this warranty shall be supplied at an authorized ART'S-WAY MANUFACTURING COMPANY, INCORPORATED dealer or at the factory at the option of ART'S-WAY MANUFACTURING COMPANY, INCORPORATED.

(3) ART'S-WAY MANUFACTURING COMPANY, INCORPORATED'S warranty does not extend to parts and elements not manufactured by ART'S-WAY MANUFACTURING COMPANY, INCORPORATED and which carry the warranty of the other manufacturer.

(4) Transportation or shipping to an authorized dealer for necessary repairs is at the expense of the purchaser.

(5) ART'S-WAY MANUFACTURING COMPANY, INCORPORATED MAKES NO OTHER WARRANTY EXPRESS OR IMPLIED AND MAKES NO WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE BEYOND THAT EXPRESSLY STATED IN THIS WARRANTY. ART'S-WAY MANUFACTURING COMPANY, INCORPORATED'S LIABILITY IS LIMITED TO THE TERMS SET FORTH IN THIS WARRANTY AND DOES NOT INCLUDE ANY LIABILITY FOR DIRECT, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES OR EXPENSE OF DELAY AND THE COMPANY'S LIABILITY IS LIMITED TO REPAIR OR REPLACEMENT OF DEFECTIVE PARTS AS SET FORTH HEREIN IN THE WARRANTY.

(6) Any improper use, including operation after discovery of defective or worn parts, operation beyond rated capacity, substitution or parts not approved by ART'S-WAY MANUFACTURING COMPANY, INCORPORATED, or any alteration or repair by other than an authorized ART'S-WAY MANUFACTURING COMPANY, INCORPORATED dealer which affects the product materially and adversely, shall void this warranty.

(7) No dealer, employee or representative is authorized to change this warranty in any way or grant any other warranty unless such change is made in writing and signed by an officer of ART'S-WAY MANUFACTURING COMPANY, INCORPORATED at its home office.

(8) Some states do not allow limitations on how long an implied warranty lasts or exclusions of or limitations on relief such as incidental or consequential damages so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights and you may have other rights which vary from state to state.

NOTES

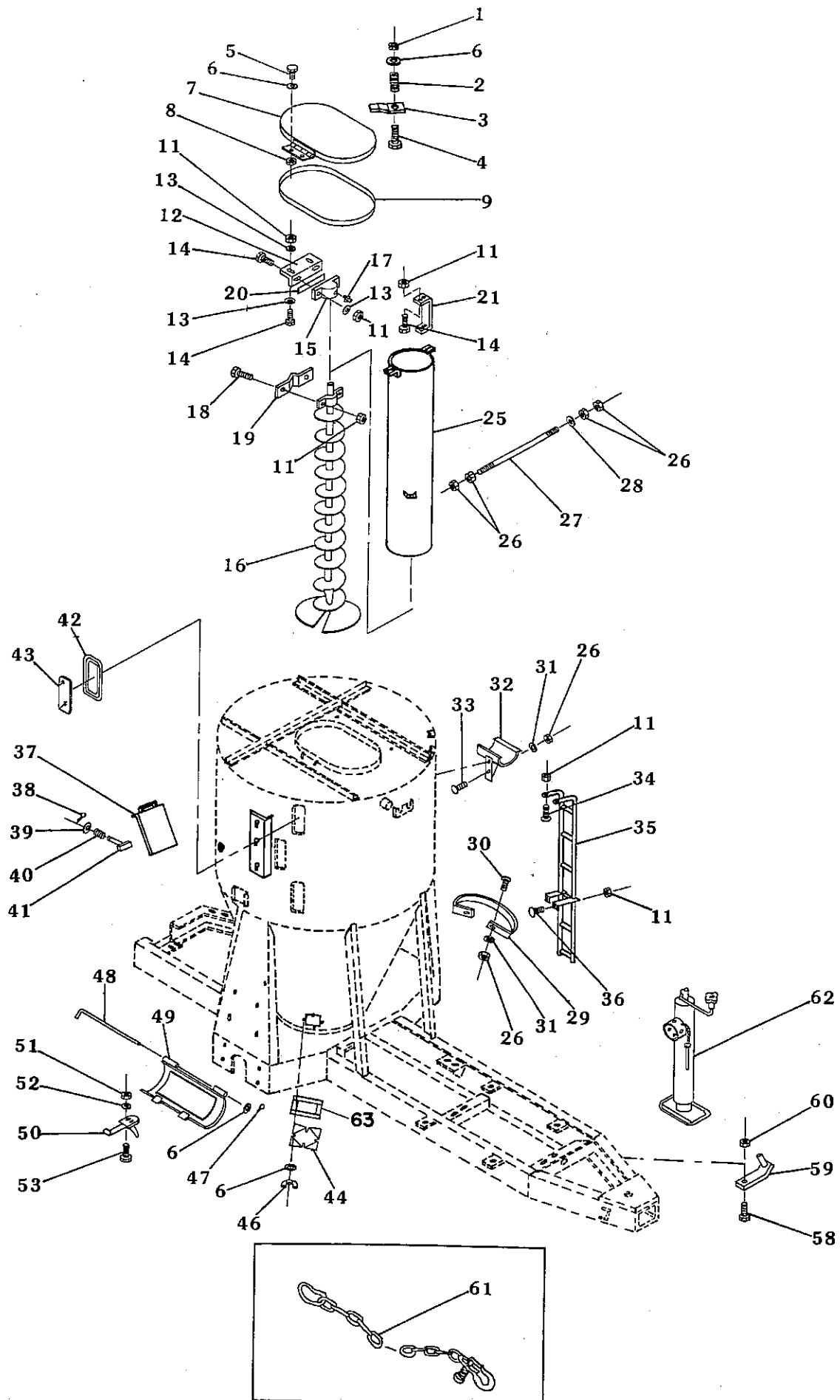
500 GRINDER/MIXER
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GENERAL INFORMATION

1. Unless otherwise specified, high-strength SAE 5 (3 radial-line head markings) hex head cap screws are used throughout this manual.
2. Whenever the terms "Left" and "Right" are used it should be understood to mean from a position behind and facing the machine.
3. Consult the Model 500 Operator's Manual (Part No. 159990) for information pertaining to the general operation of your portable Grinder-Mixer unit.
4. When placing a part's order, be sure to consult this manual for proper part's numbers.

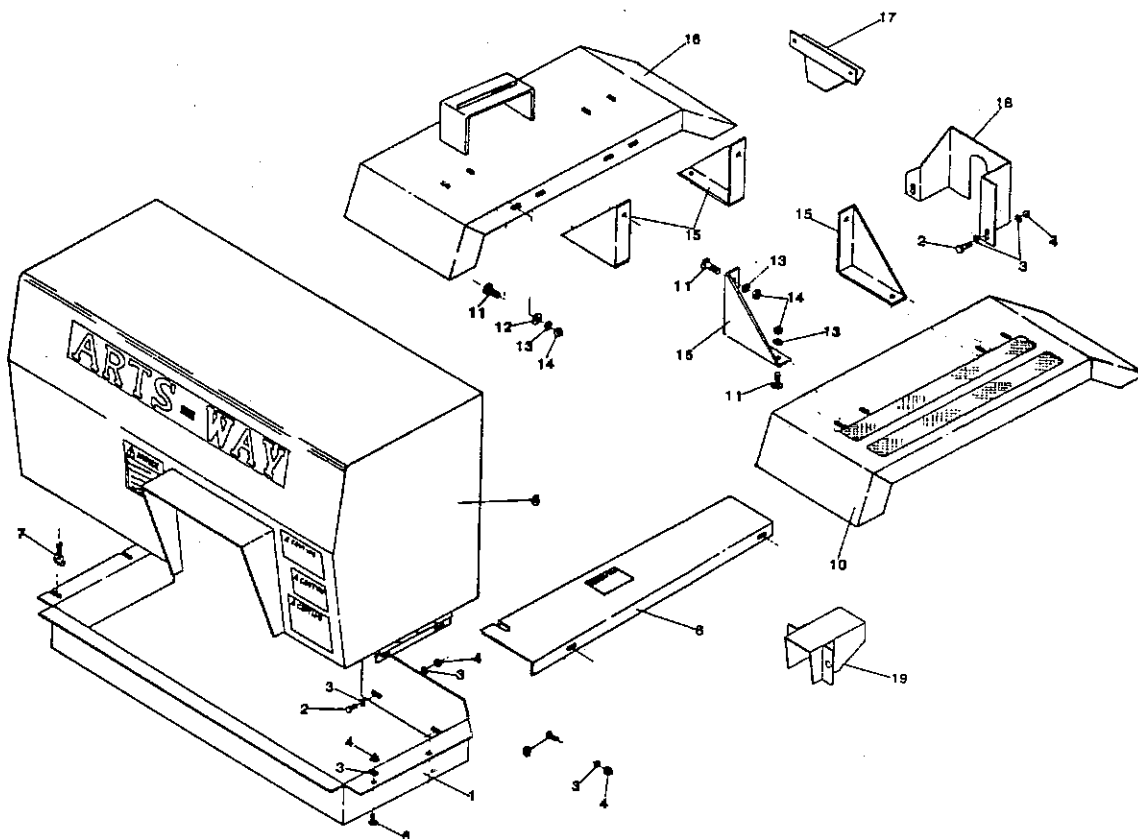
FRAME & TANK SECTION



FRAME & TANK SECTION

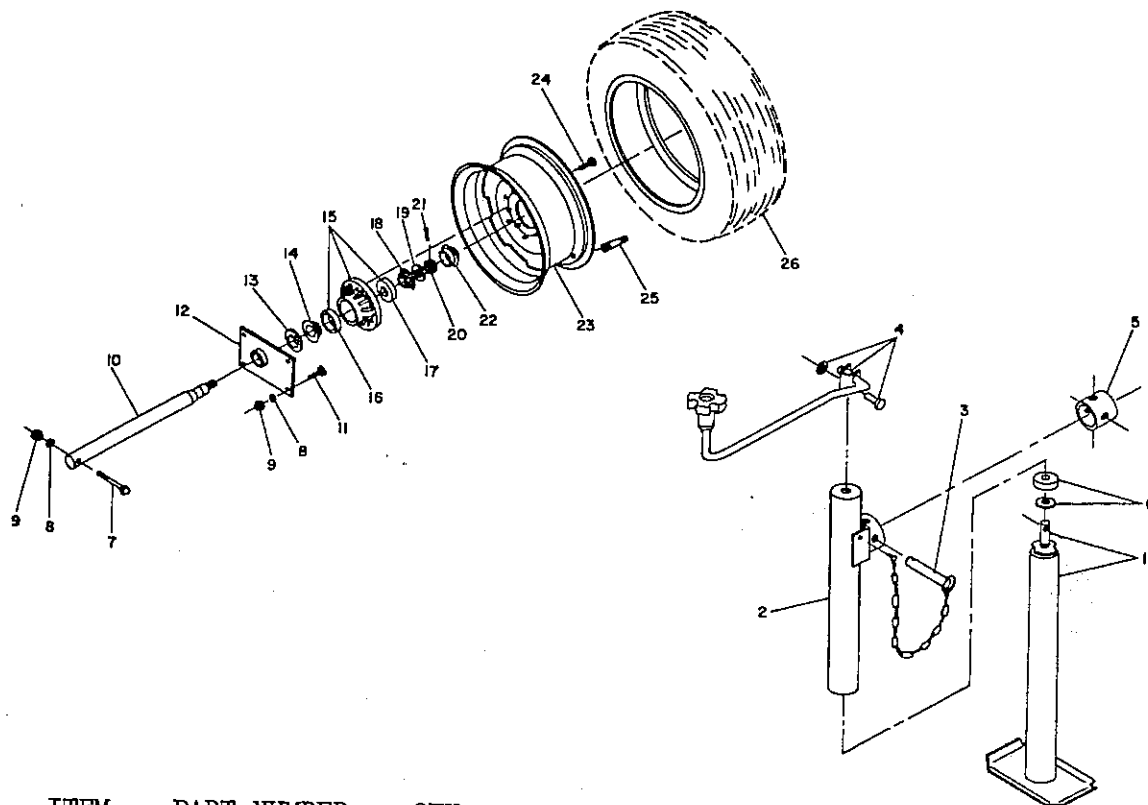
ITEM	PART NUMBER	QTY	DESCRIPTION
1	020190		NUT, 5/16" LOCK
2	013080	2	SPRING, COMPRESSION
3	022930	2	BRACKET, LID LOCKING
4	009800		BOLT, 5/16" x 2-1/2" HHCS
5	012140		BOLT, 5/16" x 3/4" HHCS
6	022920		WASHER, 5/16" FLAT
7	035660	1	LID & HINGE WELDMENT ASSEMBLY
8	025670		NUT, 5/16" LOCK
9	164020	1	SEAL, TANK LID
10	962040	2 OZ	ADHESIVE, RUBBER
11	020180		NUT, 3/8" LOCK
12	033230	1	HANGER, BEARING
13	021190		WASHER, 3/8" FLAT
14	006690		BOLT, 3/8" x 1-1/4" HHCS
15	035120	1	BEARING, A-78 CAST
16	156920	1	AUGER WELDMENT, MIXING
17	013170	2	ZERK, 1/8" SHORT GREASE
18	035180		BOLT, 3/8" x 1-1/4" CRG
19	126660	1	PADDLE, MIXING AUGER
20	151130		SHIM
21	018680	2	HANGER, TUBE
22	032020		BOLT, 7/16" x 1-1/4" HHCS
23	023990		WASHER, 7/16" LOCK
24	023770		NUT, 7/16" HEX
25	156930	1	TUBE WELDMENT, MIXING AUGER
26	005360		NUT, 1/2" HEX
27	156940	3	ROD, TUBE SUPPORT
28	035679		WASHER, 1/2" x 2.12" x .134" FLAT
29	037880	1	RACK, SCREEN
30	010730		BOLT, 1/2" x 1-1/4" HHCS
31	005370		WASHER, 1/2" LOCK
32	043480	1	HOLDER WELDMENT, UNLOADING AUGER
33	005390		BOLT, 1/2" x 1 CRG
34	012420		BOLT, 3/8" x 1-1/2" CRG
35	019090	1	LADDER WELDMENT
36	020170		BOLT, 3/8" x 1" CRG
37	011120	1	DOOR, UNLOADING SLIDE
38	023090		PIN, 3/32" x 3/4" COTTER
39	023260		WASHER, 1/4" FLAT
40	011130	1	SPRING, SLIDE HOLDER ASSEMBLY
41	011150	1	HOLDER WELDMENT, SLIDING DOOR
42	012020	3	RUBBER, WINDOW FRAME
43	012050	3	WINDOW, GLASS
44	036090	2	DOOR, CLEAN OUT
45	962080	15-1/4 OZ	CAULKING
46	009790		NUT, 5/16" WING
47	021210	1	PIN, 3/32" x 1" COTTER
48	156970	1	PIN, HINGE
49	160730	1	COVER, TROUGH
50	163400	2	LATCH, TENSION, 17L
51	120590		NUT, #10 HEX
52	120600		WASHER, #10 LOCK
53	991120		SCREW, #10 x 3/4" RD HD
58	014770		BOLT, 1/2" x 1-1/2" HHCS
59	108310	1	HOLDER WELDMENT, PTO
60	037540		NUT, 1/2" LOCK
61	1765302	1	CHAIN, SAFETY
62	133020	1	JACK ASSEMBLY
63	185910	2	STRIP, SEALING

SHIELDS and FENDERS

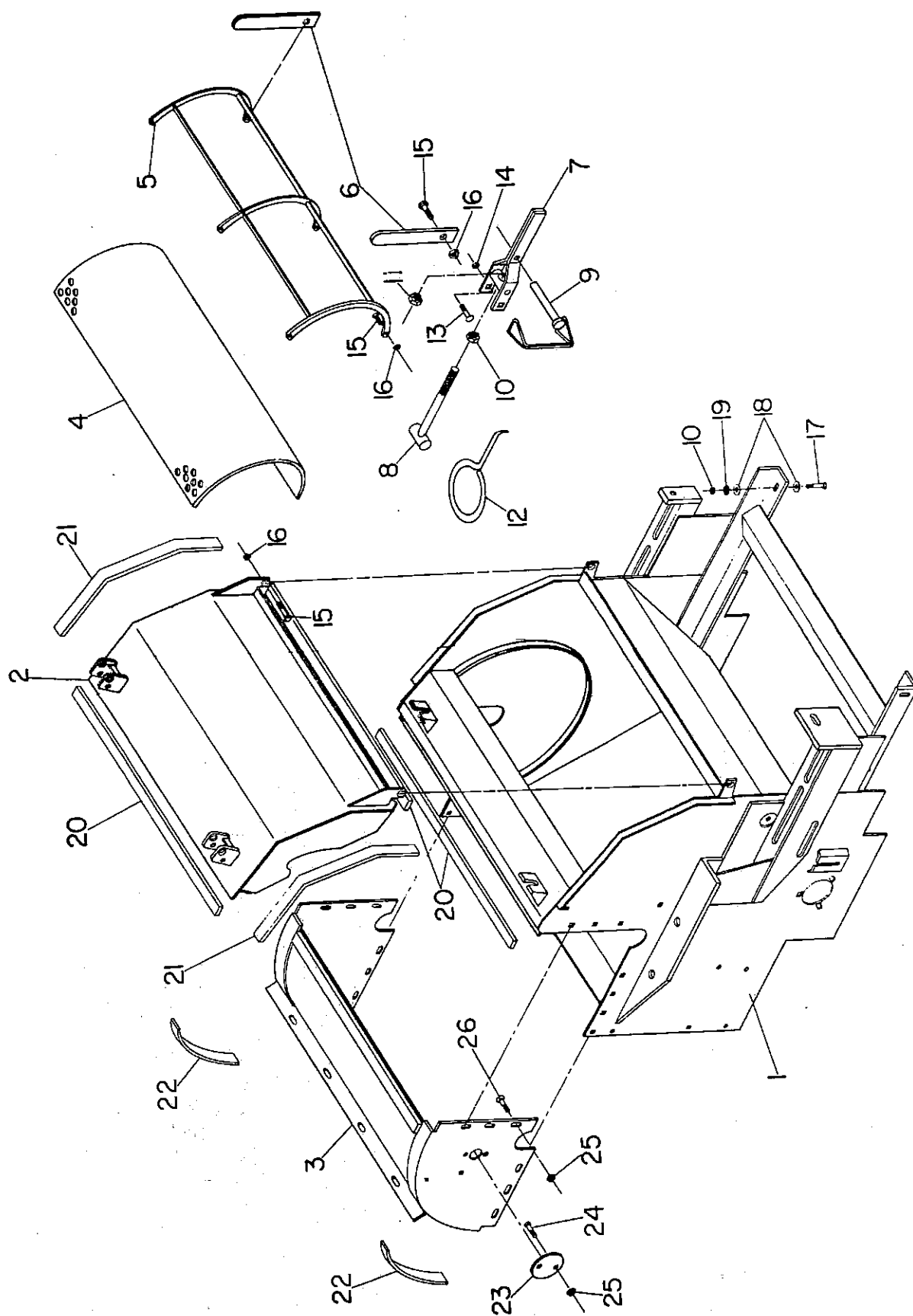


ITEM	PART NUMBER	QTY	DESCRIPTION
1	163300	1	BASE WELDMENT, MAIN SHAFT
2	012140		BOLT, 5/16" x 3/4" HHCS
3	022920		WASHER, 5/16" FLAT
4	020190		NUT, 5/16" LOCK
5	160660	1	SHIELD WELDMENT, MAIN DRIVE
6	012410		BOLT, 5/16" x 3/4" CRG
7	156510	2	LATCH, MAIN DRIVE SHIELD
8	162220	1	SHIELD, JACK SHAFT
9	005900		BOLT, 5/16" x 1" HHCS
10	159140	1	FENDER ASSEMBLY, LEFT
11	030470		BOLT, 1/2" x 1-1/4" CRG
12	005200		WASHER, 1/2" FLAT
13	005370		WASHER, 1/2" LOCK
14	005360		NUT, 1/2" HEX
15	159160	4	BRACKET, SUPPORT FENDER
16	159150	1	FENDER ASSEMBLY, RIGHT
17	160240	1	SHIELD, END BEARING
18	162140	1	SHIELD, PUSH AUGER
19	165660	1	SHIELD, JACK SHAFT EXTENSION

WHEEL & TIRE ASSEMBLY and JACK ASSEMBLY



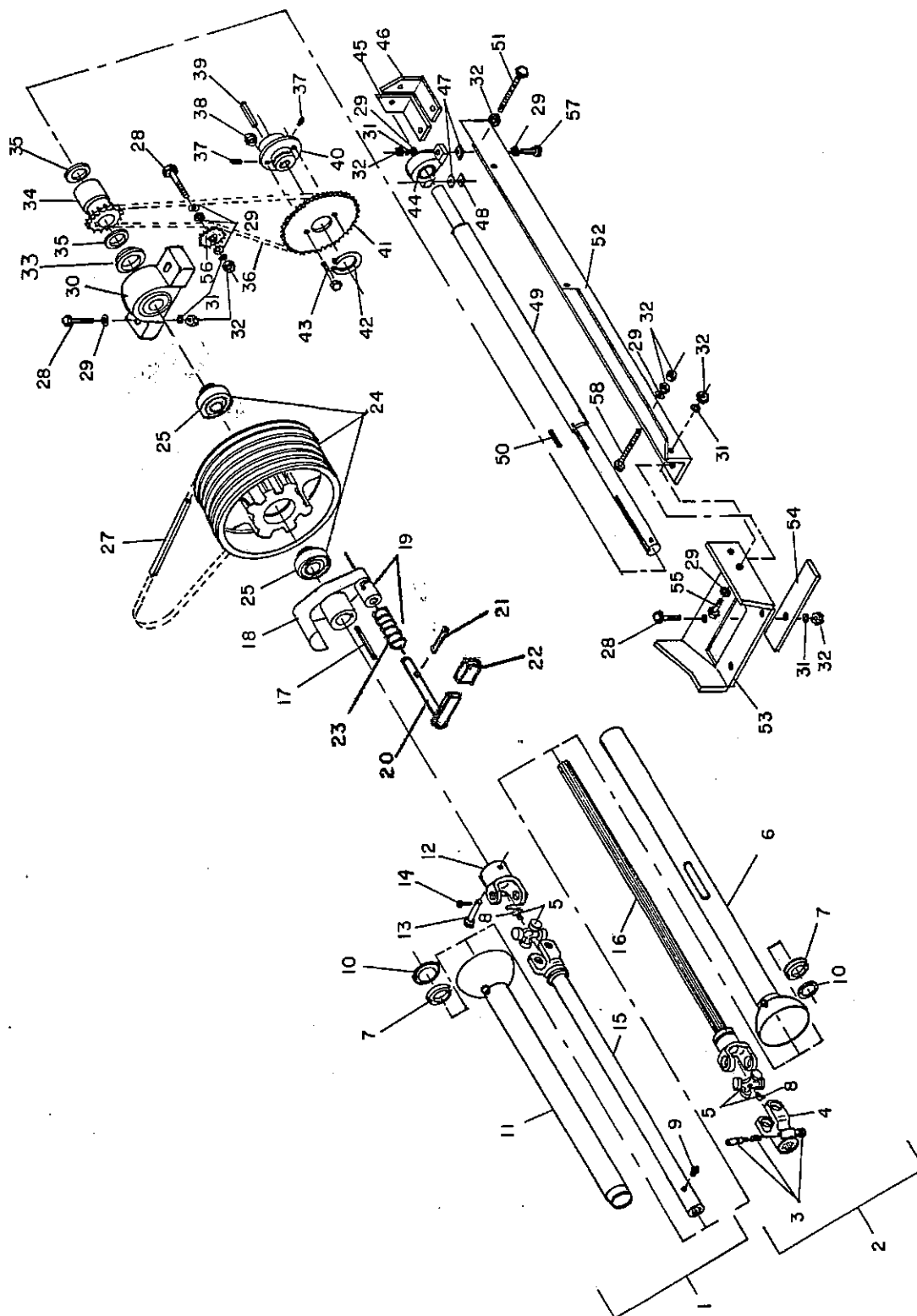
ITEM	PART NUMBER	QTY	DESCRIPTION
1	151670	1	TUBE ASSEMBLY, INNER
2	167150	1	TUBE ASSEMBLY, OUTER
3	167160	1	PIN AND CHAIN ASSEMBLY
4	151630	1	KIT, CRANK HANDLE ASSEMBLY
5	132990	1	MOUNTING TUBE
6	151640	1	KIT, THRUST WASHER ASSEMBLY
7	038560		BOLT, 1/2" x 4" HHCS
8	005370		WASHER, 1/2" LOCK
9	005360		NUT, 1/2" HEX
10	042270	2	SPINDLE, 2-1/8" x 31-5/16" L
11	010730		BOLT, 1/2" x 1-1/4" HHCS
12	124520	2	PLATE, SPINDLE MOUNTING
13	121130	2	SEAL, 2-1/8"
14	042310	2	CONE, BEARING LM603049
15	042330	2	HUB ASSEMBLY
16	042320	2	CUP BEARING, INNER LM603011
17	018860	2	CUP BEARING, OUTER LM67010
18	012630	2	CONE, BEARING OUTER LM67048
19	020720		WASHER, .812" x 1.75" x .179" FLAT
20	020710		NUT, 3/4" HEX
21	026630	2	PIN, 5/32" x 1-1/2" COTTER
22	035420	2	CAP, 2-1/2" HUB
23	042260	2	RIM, 11" x 16.1"
24	042440	16	BOLT, 9/16" x 1-1/8" LUG
25	164420	2	STEM, VALVE W/CORE AND CAP
26	050230	2	TIRE, 13.5 x 16.1



HAMMERMILL ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION
1	157620	1	HOUSING, HAMMERMILL WELDMNT
2	157640	1	DOOR WELDMNT
3	157630	1	HAMMERMILL HOOD WELDMNT
4	157700		SCREEN, 1/8"
	187630		SCREEN, 5/32"
	157710		SCREEN, 3/16"
	157720		SCREEN, 1/4"
	157730		SCREEN, 5/16"
	157740		SCREEN, 3/8"
	157750		SCREEN, 1/2"
	157760		SCREEN, 5/8"
	157770		SCREEN, 3/4"
	157780		SCREEN, 1"
	157790		SCREEN, 1-1/4"
	157800		SCREEN, 1-1/2"
	157810		SCREEN, 2"
5	157650	1	SUPPORT WELDMNT, SCREEN
6	157660	2	PIVOT, MILL DOOR
7	151920	2	HANDLE, LOCKING
8	127860	2	T-BAR WELDMNT
9	143710	2	PIN, SNAPPER
10	005360		NUT, 1/2" HEX
11	127890		NUT, 1/2" LOCK
12	013120	1	HOOK, SCREEN
13	012410		BOLT, 5/16" x 3/4" CRG
14	025670		NUT, 5/16" LOCK
15	022420		BOLT, 3/8" x 3/4" HHCS
16	023060		NUT, 3/8" LOCK
17	014770		BOLT, 1/2" x 1-1/2" HHCS
18	005200		WASHER, 1/2" FLAT
19	005370		WASHER, 1/2" LOCK
20	157670	3	STRIP, SEALING
21	145480	2	STRIP, SIDE SEALING
22	169470	2	STRIP, THROAT SEALING
23	012920	1	PLATE, THROAT
24	006880		BOLT, 5/16" x 5/8" HHCS
25	020190		NUT, 5/16" LOCK
26	012410		BOLT, 5/16" x 3/4" CRG

HAMMERMILL ASSEMBLY



P.T.O. ASSEMBLY and JACK SHAFT ASSEMBLY

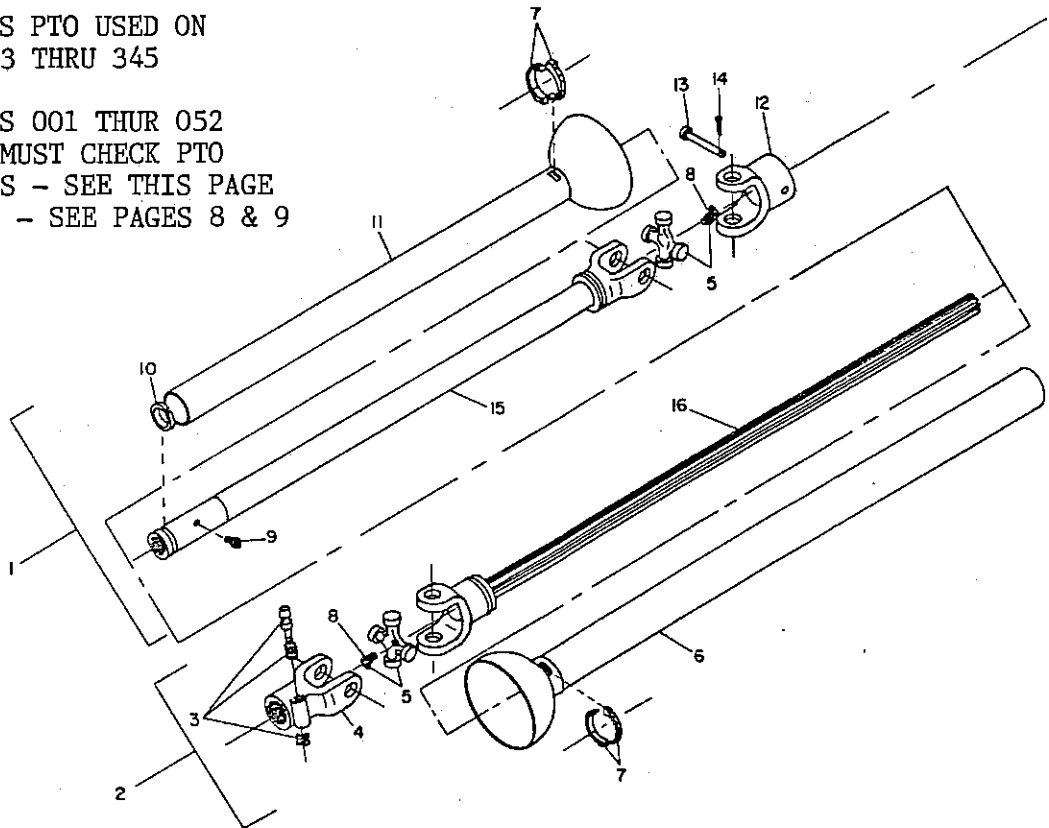
PART			PART		
ITEM	NUMBER	QTY DESCRIPTION	ITEM	NUMBER	QTY DESCRIPTION
*199470		PTO ASSY W/DECAL WEASLER 1000 RPM	31	005370	WASHER, 1/2" LOCK
172640		PTO ASSY W/DECAL WEASLER 540 RPM	32	005360	NUT, 1/2" HEX
168130	1	PTO, IMPL HALF, 540 OR 1000 RPM	33	165720	1 COLLAR, SPECIAL LOCK
203280		PTO, TRACTOR HALF, 1000 RPM	34	165650	SPROCKET, 60B13, 1000 RPM
203270		PTO TRACTOR HALF, 540 RPM	35	172620	SPROCKET, 60B22, 540 RPM
185380		KIT, SAF-T-PIN & SPRING 540 RPM	36	041460	WASHER, 1-5/8" ID
168170		KIT, SAF-T-PIN & SPRING 1000 RPM	37	159100	CHAIN ASSEMBLY, 1000 RPM
170260		YOKE, QD 1-3/8", 540 RPM	38	172680	CHAIN ASSEMBLY, 540 RPM
168070		YOKE, 1000 RPM ASSEMBLY	39	010990	SCREW, 5/16" x 5/16" AHSS
168060	2	CROSS & BEARING KIT, L55	40	025670	NUT, 5/16" LOCK
203260	1	SHIELD, TRACTOR OUTER	41	073530	KEY, 5/16" SQ x 1-5/8"
168100	2	BEARING, NYLON SHIELD	42	163740	1 HUB WELDMENT, 1-1/4" SHEAR
035170	2	ZERK, 1/8" 65 DEGREE	43	159080	1 PLATE, 60A36 SPROCKET
115590	1	ZERK, 1/4"	44	010380	1 RETAINING RING, 2" EXTERNAL
168110	2	BEARING RETAINER, SNAP RING	45	030030	1 BOLT, 5/16" x 1-1/4" HHCS
168080	1	SHIELD, INNER IMPL	46	013670	1 BEARING, 1-7/16" PILLOW BLOCK
166440	1	YOKE, L55 IMPL	47	165600	1 BRACKET, RIGHT JACKSHAFT SHIELD
036480	1	PIN, 5/16" x 3" CLEVIS	48	165610	1 BRACKET, LEFT JACKSHAFT SHIELD
020700	1	PIN, 5/32" x 1" COTTER	49	035780	2 SHIM, 1/4" THICK
218460		YOKE & TUBE	50	035790	1 SHIM, 3/8" THICK
218470		YOKE & SHAFT	51	165630	1 JACKSHAFT, HAMMERMILL
013690	1	KEY, 3/8" SQ x 6-1/2"	52	013510	1 KEY, 3/8" SQ x 1-1/4"
013860	1	CASTING, A-46 CLUTCH	53	013800	1 BOLT, 1/2" x 5" HHCS
205330		KIT, CLUTCH ASSEMBLY	54	165620	1 ANGLE WELDMENT, TIGHTENER
241570	1	PIN WELDMENT	55	165580	1 EXTENSION, BEARING WELDMENT
012550	1	PIN, 1/4" x 1-1/4" EXPAN	56	165640	1 SPACER, BEARING EXTENSION
205430	1	GRIP, 1/8" x 1" x 1" RED	57	014770	1 BOLT, 1/2" x 1-1/2" HHCS
013580	1	SPRING, 3/4" x 2" COMPRESSION	58	021840	1 SPROCKET, 60A15 IDLER
013870		PULLEY ASSEMBLY, 1000 RPM		990820	1 BOLT, 3/8" x 3" HHCS
016750		PULLEY ASSEMBLY, 540 RPM		213760	1 BOLT, 1/2" x 6-1/2" HHCS
013930	2	BEARING, 1-5/8" BORE			
159070		BELT SET, 3V x 670, 1000 RPM			
172600		BELT SET, 3V x 850, 540 RPM			
007080		BOLT, 1/2" x 2-1/2" HHCS			
005200		WASHER, 1/2" FLAT			
165480	1	BEARING W/LC, 1-5/8"			

*See page 10 for serial numbers 408 & under for information on 1000 RPM PTO.

REX P.T.O. ASSEMBLY
160620

1000 RPM ONLY
REXNORD 440 SERIES PTO USED ON
SERIAL NUMBERS 053 THRU 345

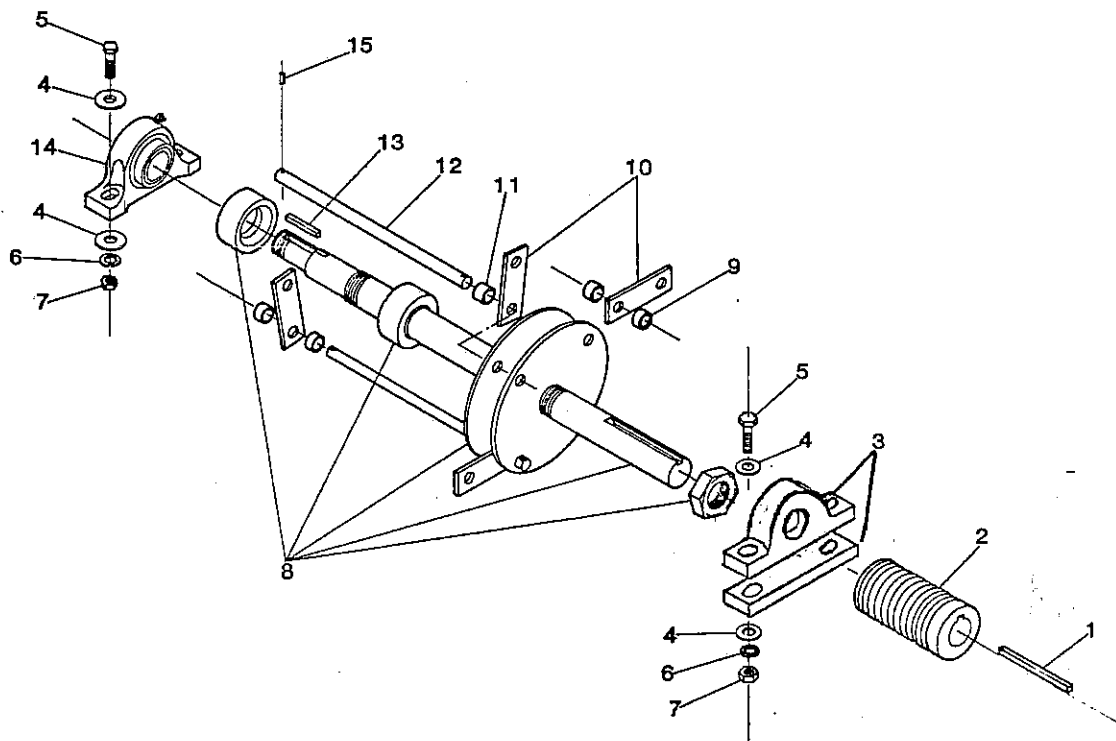
FOR SERIAL NUMBERS 001 THRU 052
AND 346 THRU 408 MUST CHECK PTO
REXNORD 440 SERIES - SEE THIS PAGE
WEASLER 55 SERIES - SEE PAGES 8 & 9



REX P.T.O. ASSEMBLY
160620

ITEM	PART NUMBER	QTY	DESCRIPTION
1	168910	1	PTO, IMPL HALF
2	215520	1	PTO, TRACTOR HALF W/DECAL
3	021340	1	LOCK PIN & SPRING KIT
4	039350	1	YOKE, 1000 RPM TRACTOR
5	039360	2	REPAIR KIT, 440
6	215510	1	SHIELD, TRACTOR 1/2 W/DECAL
7	039370	2	SHIELD BEARING, 2 PIECE
8	035170	2	ZERK, 1/8" x 65 DEGREE
9	013170	1	ZERK, 1/8" GREASE
10	039420	1	BEARING, CENTER NYLON
11	168950	1	SHIELD, IMPLEMENT INNER
12	039410	1	YOKE, 1-5/8" IMPLEMENT
13	036480		PIN, 5/16" x 3" CLEVIS
14	020700		PIN, 5/32" x 1" COTTER
15	218480	1	YOKE & TUBE ASSEMBLY
16	218490	1	YOKE & SHAFT ASSEMBLY

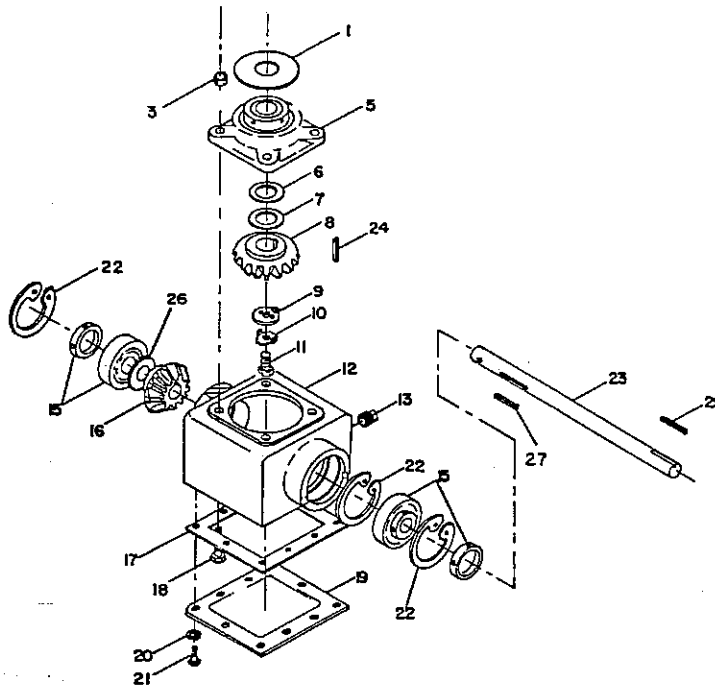
HAMMERMILL MAIN SHAFT UNIT **"500' GRINDER/MIXER**



ITEM	PART NUMBER	QTY	DESCRIPTION
1	110390	1	KEY, TAPERED
2	165500	1	PULLEY, 12 GROOVE
3	013950	1	BEARING, 2" PILLOW BLOCK
	236750	1	SPACER, BEARING CONVERSION
4	127920		WASHER, .656 x 1.375 x .179
5	990650		BOLT, 5/8" x 3" HHCS
6	020440		WASHER, 5/8" LOCK
7	020450		NUT, 5/8" HEX
8	157830	1	SHAFT ASSEMBLY, ROTOR
9	013480	48	SPACER, SPLIT PIPE
10	169370	1	HAMMER, SET OF 48
	013970		HAMMER, SET OF 2
11	013490	24	SPACER, SPLIT PIPE
12	157840	4	PIN, 3/4" x 23-1/4" HAMMERMILL
13	006670	1	KEY, 3/8" SQ x 1-1/2" LG
14	013420	1	BEARING, 2" PILLOW BLOCK
15	012550	8	PIN, 1/4" x 1-1/4" EXPAN

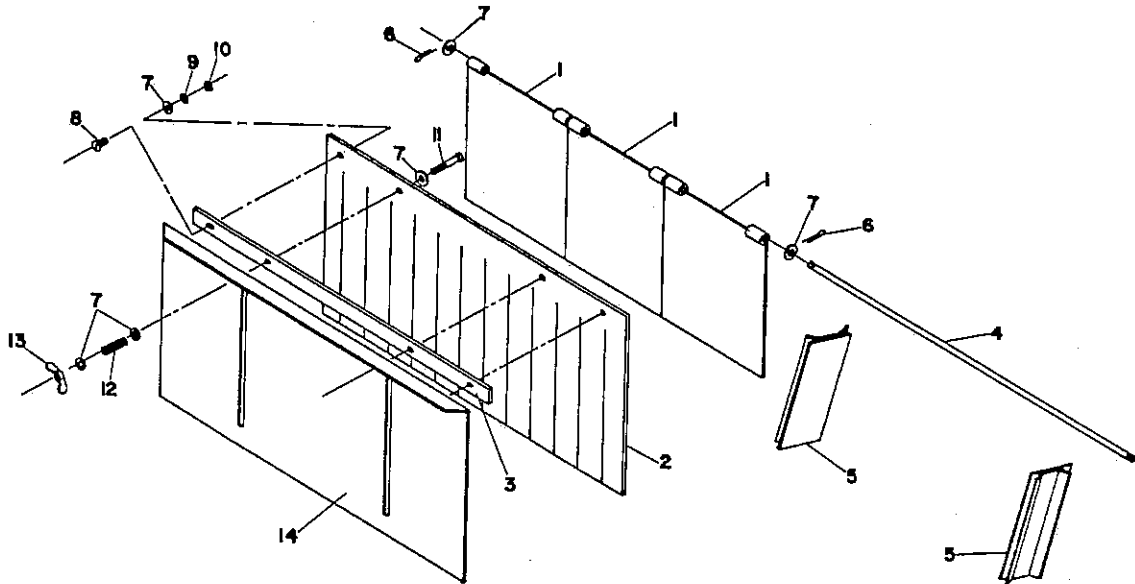
*Used on all machines beginning with Serial Number AW50086560. BEARING & SPACER may be used to REPLACE the split pillow block BEARING (022320) used on earlier models.

GEARBOX ASSEMBLY

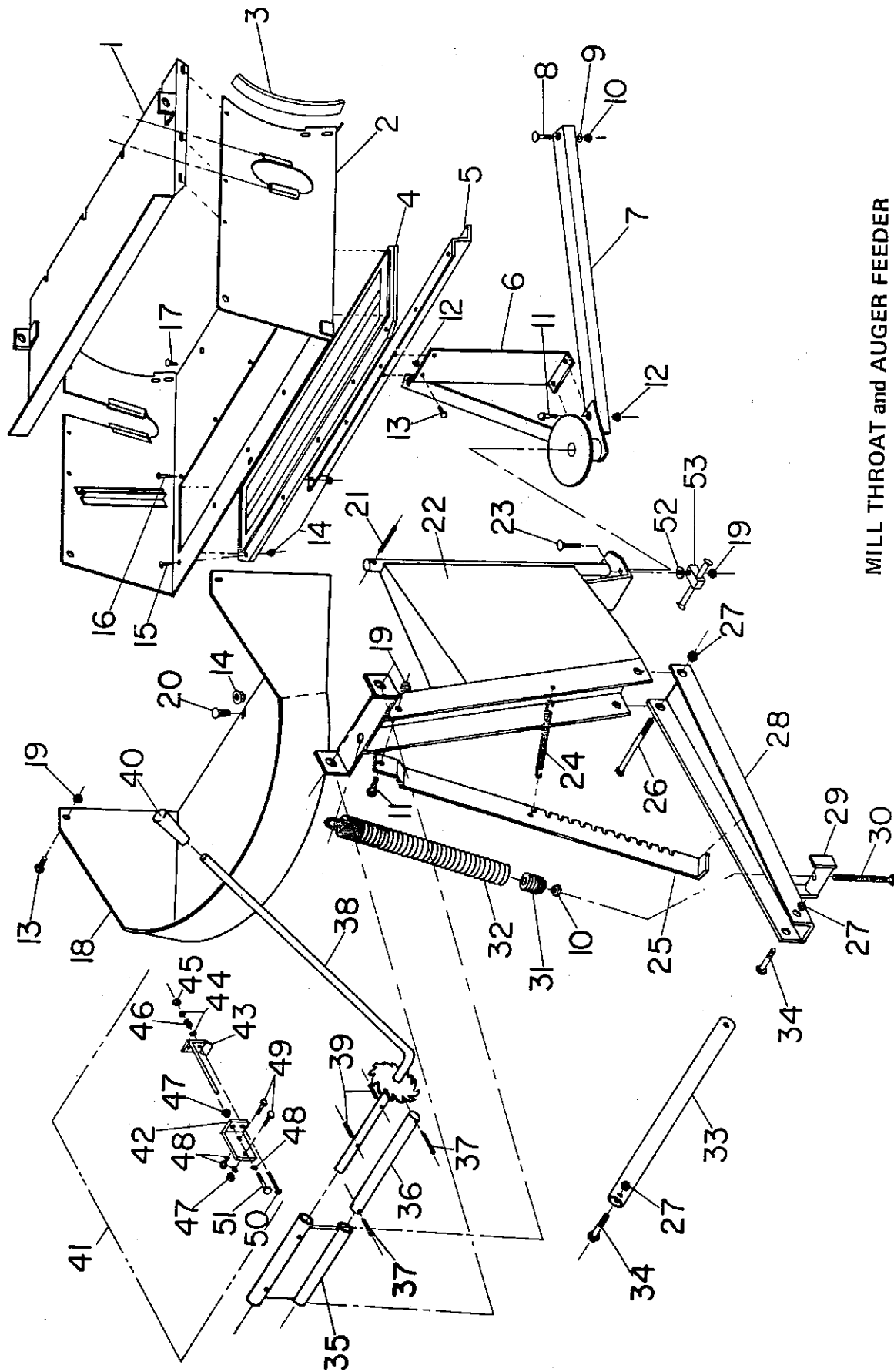


ITEM	PART NUMBER	QTY	DESCRIPTION
1	010570	1	PLATE, BEARING PROTECTOR
3	037540		NUT, 1/2" LOCK
5	020270	1	BEARING, FLANGE
6	020290		WASHER, 1-5/8"x2-1/4"x10GA FLAT
7	020300		WASHER, 1.65" x 2.12" x .048"
8	020280	1	GEAR, 1-5/8" BEVEL
9	020310	1	WASHER, SPECIAL LOCK
10	010720	1	WASHER, BOLT LOCKING
11	010730		BOLT, 1/2" x 1-1/4" HHCS
12	020330	1	GEARBOX, A-33 CASTING
	131190	1	GEARBOX W/BEARINGS
13	020340	1	PLUG, 3/4" PIPE
15	112550	2	BEARING, W/LOCK COLLAR
16	020320	1	GEAR, 1-1/4" BEVEL
17	010740	1	GASKET, GEARBOX
18	013790		BOLT, 1/2" x 2-1/4" HHCS
19	010750	1	COVER, GEARBOX
20	023620		WASHER, 5/16" LOCK
21	012140		BOLT, 5/16" x 3/4" HHCS
22	020350	3	RING, RETAINING
23	163810	1	SHAFT, 1-1/4" x 18" GEARBOX
24	020220	1	KEY, 5/16" SQ x 1-1/4" LG
25	020400	1	KEY, 5/16" SQ x 2" LG
26	020880		WASHER, 1-1/4"x1-3/4"x10 GA FLAT
	020890		WASHER, 1-1/4"x1-3/4"x12 GA FLAT
	020900		WASHER, 1-1/4"x1-3/4"x14 GA FLAT
	020910		WASHER, 1-1/4"x1-3/4"x16 GA FLAT
	020920		WASHER, 1-1/4"x1-3/4"x18 GA FLAT
	020930		WASHER, 1-1/4"x1-3/4"x20 GA FLAT
27	021630	1	KEY, 5/16" SQ x 1-1/2" LG

MILL THROAT **Plain Without Roll Feed**



ITEM	PART NUMBER	QTY	DESCRIPTION
1	158940	3	PLATE WELDMENT, PIVOT
2	158970	1	FLAP, THROAT
3	158960	1	STRAP, THROAT
4	158930	1	ROD, PIVOT
5	013360	2	SLIDE ASSEMBLY
6	034360	2	PIN, 1/8" x 1" COTTER
7	022920		WASHER, 5/16" FLAT
8	033080		SCREW, 5/16" x 1" CSK HD
9	023620		WASHER, 5/16" LOCK
10	023630		NUT, 5/16" HEX
11	009800		BOLT, 5/16" x 2-1/2" HHCS
12	013080	2	SPRING, COMPRESSION
13	009790		NUT, 5/16" WING
14	158980	1	PLATE, LARGE FEED GATE



MILL THROAT and AUGER FEEDER

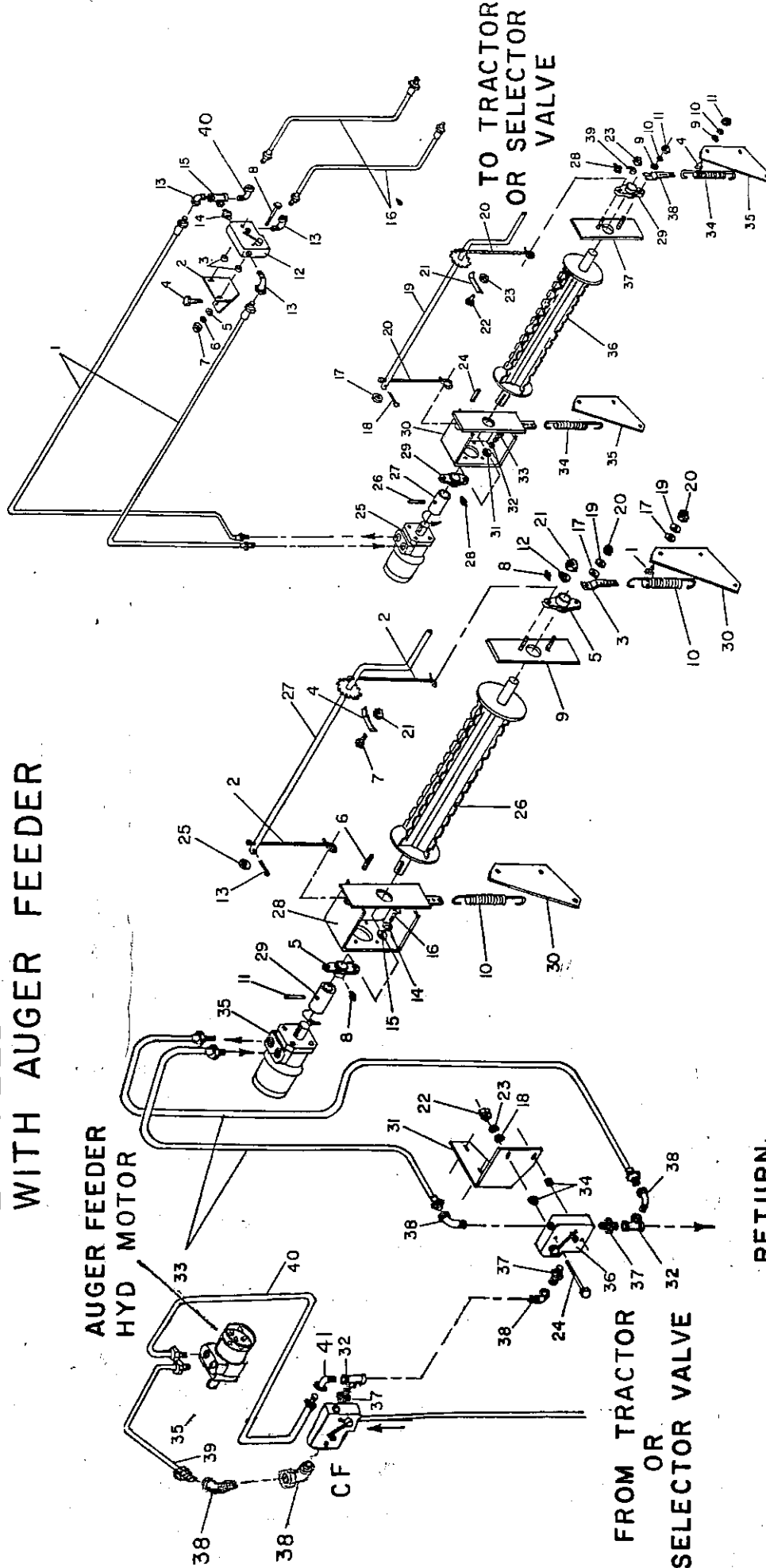
ITEM	PART NUMBER	QTY	DESCRIPTION
1	159310	1	PLATE WELDMENT, COVER
2	159040	1	THROAT WELDMENT, MILL
3	169470	1	STRIP, SEALING
4	113270	1	MAGNET, #4 - 24" MILL
5	163200	1	SUPPORT, SPRING ASSIST ZEE
6	160020	1	STRAP, SPRING ASSIST SUPPORT
7	162580	1	SUPPORT WELDMENT, BOTTOM SWIVEL
8	030470		BOLT, 1/2" x 1-1/4" CRG
9	005370		WASHER, 1/2" LOCK
10	005360		NUT, 1/2" HEX
11	012260		BOLT, 3/8" x 1" HHCS
12	020180		NUT, 3/8" FLANGE LOCK
13	022420		BOLT, 3/8" x 3/4" HHCS
14	020190		NUT, 5/16" FLANGE LOCK
15	028230		SCREW, 5/16" x 3/4" TRUSS HD
16	I142849		SCREW, 5/16" x 1-1/4" TRUSS HD
17	012410		BOLT, 5/16" x 3/4" CRG
18	159570	1	HOPPER WELDMENT, MILL
19	023060		NUT, 3/8" LOCK
20	035290		BOLT, 5/16" x 5/8" CRG
21	116730	1	PIN, 1/4" x 2-3/4" EXPAN
22	159810	1	SUPPORT WELDMENT, SWIVEL
23	012420		BOLT, 3/8" x 1-1/2" CRG
24	100750	1	SPRING, EXTENSION
25	160070	1	BAR, SPRING ASSIST RATCHET
26	160350		BOLT, 1/2" x 5" HHCS
27	127890		NUT, 1/2" LOCK

ITEM	PART NUMBER	QTY	DESCRIPTION
28	160060	1	CHANNEL, LOWER RATCHET
29	161540	1	PIN WELDMENT, PIVOT
30	013800		BOLT, 1/2" x 5" HHCS
31	113490		NUT, SPRING RETAINING
32	113470	1	SPRING, 2" x 14" EXTENSION
33	131960	1	LINK, SPRING ASSIST VERTICAL
34	007080		BOLT, 1/2" x 2-1/2" HHCS
35	150810	1	BRACKET ASSEMBLY, EXTENSION
36	015120	1	PIN, 3/4" x 10" DRAG
37	026630		PIN, 5/32" x 1-1/2" COTTER
38	150820	1	LEVER & RATCHET ASSEMBLY
39	012550	2	PIN, 1/4" x 1-1/4" EXPAN
40	150940	1	GRIP, ROUND HANDLE
41	150840	1	STOP & HOLDER ASSEMBLY
42	150880	1	HOLDER, STOP
43	150830	1	STOP ASSEMBLY
44	023260		WASHER, 1/4" FLAT
45	042370		NUT, 1/4" LOCK
46	042390	1	SPRING, COMPRESSION
47	023630		NUT, 5/16" HEX
48	023620		WASHER, 5/16" LOCK
49	012140		BOLT, 5/16" x 3/4" HHCS
50	044060		SCREW, 1/4" x 1-1/2" TRUSS HEAD
51	030030		BOLT, 5/16" x 1-1/4" HHCS
52	012270		WASHER, .406" x 1.75" x .134" FLAT
53	160560	1	HANDLE ASSEMBLY, BRAKE

MILL THROAT & AUGER FEEDER

ROLL FEED
WITHOUT AUGER FEEDER

ROLL FEED
WITH AUGER FEEDER



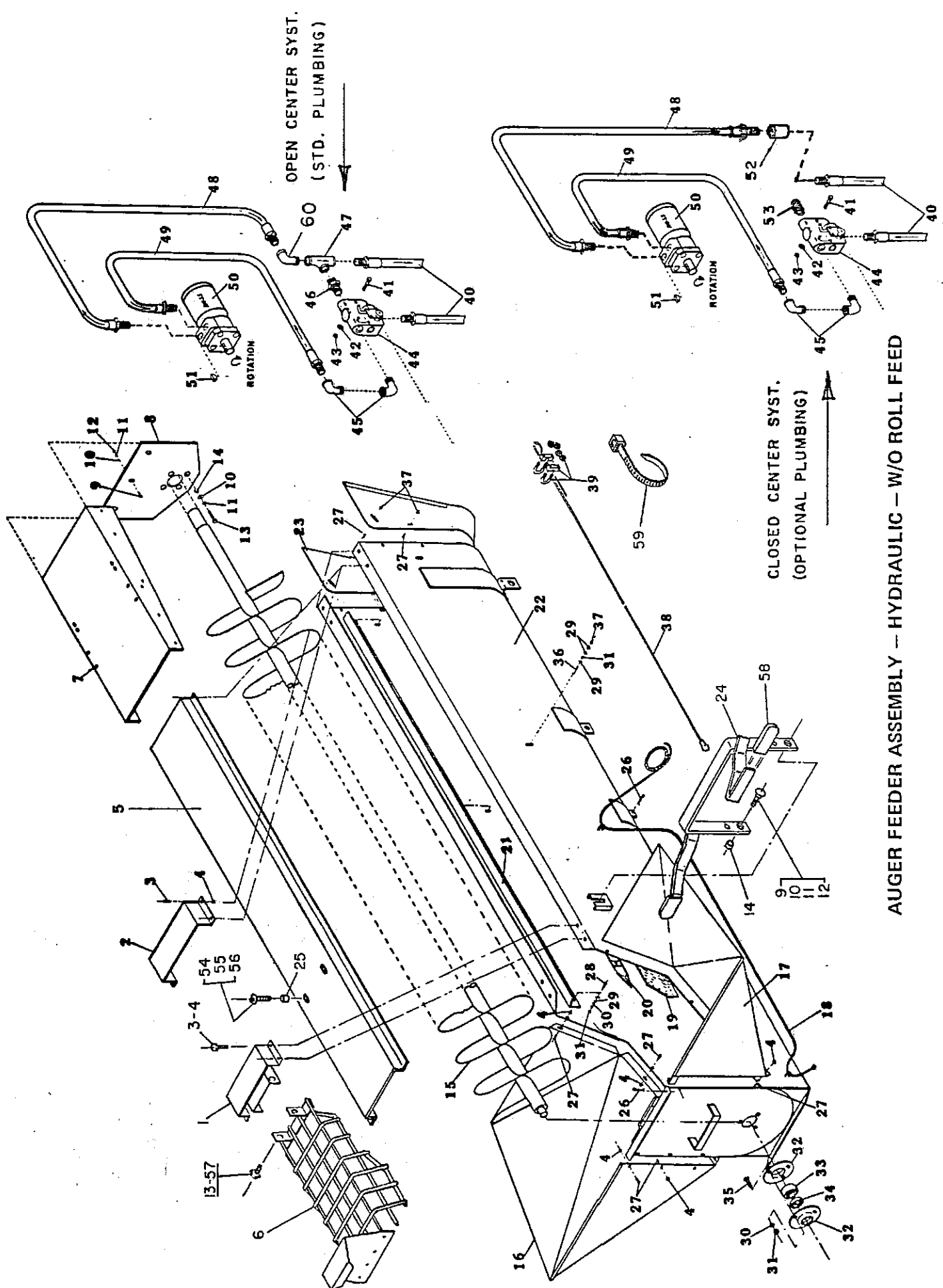
RETURN
TO TRACTOR
OR
SELECTOR VALVE

HYDRAULIC ROLL FEED W/HYDRAULIC AUGER FEEDER

ITEM	PART		QTY	DESCRIPTION
	NUMBER			
1	005900			BOLT, 5/16" x 1" HHCS
2	007880	2		CABLE, ADJUSTMENT
3	007900	1		BRACKET, UPPER SPRING
4	007930	1		LOCK, RATCHET
5	011200	2		BEARING, ROLL FEED
6	011530	1		KEY, 1/4" SQ. x 1-1/4"
7	012140			BOLT, 5/16" x 3/4" HHCS
8	013170	2		FITTING, 1/8" GREASE
9	013330	1		PLATE, SLIDING
10	017200	2		SPRING, ROLL FEED EXTENSION
11	018920	1		PIN, 1/4" x 1-3/4" EXPANSION
12	019050			WASHER, SPECIAL LOCK
13	020700			PIN, 5/32" x 1" COTTER
14	021180			WASHER, 3/8" LOCK
15	021190			WASHER, 3/8" FLAT
16	022420			BOLT, 3/8" x 3/4" HHCS
17	022920			WASHER, 5/16" FLAT
18	023260			WASHER, 1/4" FLAT
19	023620			WASHER, 5/16" LOCK
20	023630			NUT, 5/16" HEX
21	025670			NUT, 5/16" LOCK
22	027660			NUT, 1/4" HEX
23	029440			WASHER, 1/4" LOCK
24	031560			BOLT, 1/4" x 2-1/2" HHCS
25	035210			WASHER, 5/8" FLAT
26	160110	1		ROLLER WELD, ROLL FEED
27	160120	1		CRANK WELD, ROLL FEED
28	160130	1		MOTOR MOUNT WELD, ROLL FEED
29	160140	1		COLLAR, ROLL FEED SHAFT
30	168140	2		BRACKET, LOWER SPRING
31	237380	1		BRACKET, FLOW CONTROL
32	006320	1		TEE, 1/2" PIPE
33	023170	2		HOSE, 1/2" x 55" HYDRAULIC
34	033460	2		SPACER, .375" x .281" LG
35	014280	1		MOTOR, "SHORT" HYDRAULIC
36	161510	1		VALVE, HYDRAULIC FLOW CONTROL
37	166250	2		ADAPTER, 1/2" STRAIGHT
38	006240	3		ELBOW, 1/2" x 90 DEGREE STREET
39	041740	1		HOSE, 1/2" x 16" HYDRAULIC
40	166140	1		HOSE, 1/2" x 24" HYDRAULIC
41	006490	1		ELBOW, 1/2" x 45 DEGREE STREET

HYDRAULIC ROLL FEED W/OUT AUGER FEEDER

ITEM	PART		QTY	DESCRIPTION
	NUMBER			
1	046640	2		HOSE, 1/2" x 30" HYDRAULIC
2	213000	1		BRACKET, CONTROL VALVE W/O A.F.
3	033460	2		SPACER, .375" x .281"
4	005900			BOLT, 5/16" x 1" HHCS
5	023260			WASHER, 1/4" FLAT
6	029440			WASHER, 1/4" LOCK
7	027660			NUT, 1/4" HEX
8	031560			BOLT, 1/4" x 2-1/2" HHCS
9	022920			WASHER, 5/16" FLAT
10	023620			WASHER, 5/16" LOCK
11	023630			NUT, 5/16" HEX
12	161510	1		VALVE, HYDRAULIC FLOW CONTROL
13	006240	3		ELBOW, 1/2" x 90 DEGREE STREET
14	166250	1		ADAPTER, 1/2" STRAIGHT
15	006320	1		TEE, 1/2" PIPE
16	014250	2		HOSE, 1/2" x 144" HYDRAULIC
17	035210			WASHER, 5/8" FLAT
18	020700			PIN, 5/32" x 1" COTTER
19	160120	1		CRANK WELD, ROLL FEED
20	007880	2		CABLE, ADJUSTMENT
21	007930	1		LOCK, RATCHET
22	012140			BOLT, 5/16" x 3/4" HHCS
23	025670			NUT, 5/16" LOCK
24	011530			KEY, 1/4" SQ. x 1-1/4"
25	014280	1		MOTOR, "SHORT" HYDRAULIC
26	018920			PIN, 1/4" x 1-3/4" EXPAN
27	160140	1		COLLAR, ROLL FEED SHAFT
28	013170	2		ZERK, 1/8" GREASE
29	011200	2		BEARING, ROLL FEED
30	160130	1		MOTOR MOUNT WELD, ROLL FEED
31	021190			WASHER, 3/8" FLAT
32	021180			WASHER, 3/8" LOCK
33	022420			BOLT, 3/8" x 3/4" HHCS
34	017200	2		SPRING, ROLL FEED EXTENSION
35	168140	2		BRACKET, LOWER SPRING
36	160110	1		ROLLER WELD, ROLL FEED
37	013330	1		PLATE, SLIDING
38	007900	1		BRACKET, UPPER SPRING
39	019050			WASHER, SPECIAL LOCK
40	006491	1		ELBOW, 1/2" x 45 DEGREE STREET

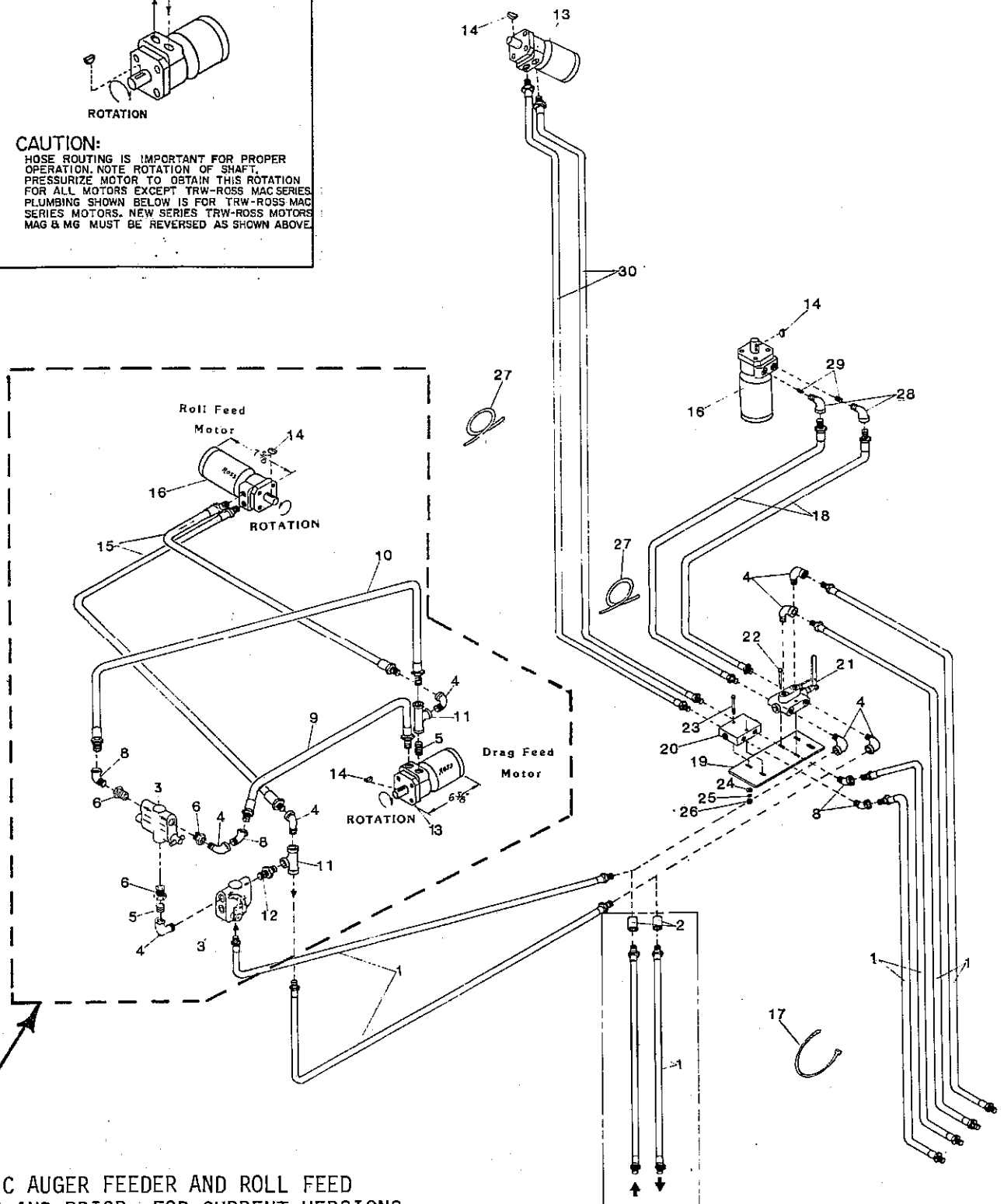
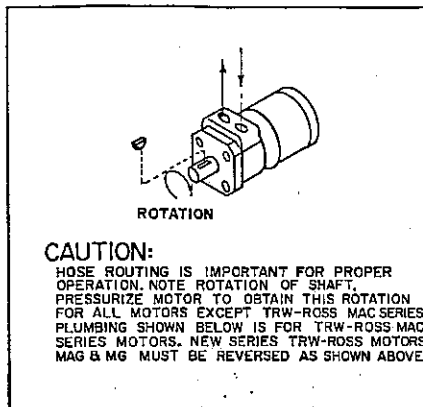


AUGER FEEDER ASSEMBLY — HYDRAULIC — W/O ROLL FEED

PART			PART		
ITEM	NUMBER	QTY DESCRIPTION	ITEM	NUMBER	QTY DESCRIPTION
1	215420	1 CHANNEL WELDMENT, GRATE	31	023630	NUT, 5/16" HEX
2	162830	1 BRACKET WELDMENT, UPPER SHIELD	32	012330	2 FLANGETTE, 3-HOLE BEARING
3	012140	BOLT, 5/16" x 3/4" HHCS	33	012310	1 BEARING, 1"
4	020190	NUT, 5/16" FLANGE LOCK	34	012300	1 COLLAR, BEARING LOCKING
5	164670	1 SHIELD W/DECAL, AUGER FEEDER	35	032970	BOLT, 5/16" x 1" CRG
6	215460	1 GRATE WELDMENT, AUGER FEEDER	36	049290	BOLT, 5/16" x 1-1/4" CRG
7	162640	1 CHANNEL, HYDRAULIC MOTOR TOP	37	025670	NUT, 5/16" LOCK
8	162630	1 PLATE, HYDRAULIC MOTOR	38	159830	1 ROPE ASSEMBLY, WIRE CABLE
9	020170	BOLT, 3/8" x 1" CRG	39	129260	2 CLAMP ASSEMBLY, CABLE
10	021190	WASHER, 3/8" FLAT	40	164560	4 HOSE ASSEMBLY, 1/2" x 120"
11	021180	WASHER, 3/8" LOCK	41	031560	BOLT, 1/4" x 2-1/2" HHCS
12	027260	NUT, 3/8" HEX	42	029440	WASHER, 1/4" LOCK
13	022420	BOLT, 3/8" x 3/4" HHCS	43	027660	NUT, 1/4" HEX
14	033460	6 SPACER, 3/8" x 1/2" LG	44	161510	1 VALVE ASSEMBLY, HYD FLOW CONTROL
15	159680	1 AUGER WELDMENT, 12"	45	006240	3 ELBOW, 1/2" x 90 DEGREE
16	210810	1 HOPPER ASSEMBLY, STATIONARY	46	166250	1 ADAPTER, STRAIGHT
17	210830	1 HOPPER WELDMENT, FOLDING	47	006320	1 TEE, 1/2" PIPE
18	160100	1 ROPE, 102" PLASTIC	48	166140	1 HOSE, 1/2" x 24" HYDRAULIC
19	123900	1 SEAL, DRAG FEEDER RUBBER	49	041740	1 HOSE, 1/2" x 16" HYDRAULIC
20	159690	1 ANGLE WELDMENT, RIGHT SIDE	50	014280	1 MOTOR, "SHORT" HYDRAULIC
21	159700	1 ANGLE WELDMENT, LEFT SIDE	51	006180	1 KEY, 1/4" x 1" WOODRUFF
22	159630	1 HOUSING WELDMENT, AUGER FEEDER	52	007470	1 COUPLER, 1/2" PIPE
23	159710	1 SPOUT, AUGER FEEDER DOWN	53	026070	1 PLUG, 1/2" PIPE
24	215430	1 HANDLE, AUGER FEEDER CLUTCH	54	991120	1 SCREW, #10 x 3/4" RD HD
25	212510	1 BUMPER, RUBBER	55	120590	NUT, #10 HEX
26	035830	2 PIN, 3/16" x 3" HAIR	56	120600	WASHER, #10 LOCK
27	028230	SCREW, 5/16" x 3/4" TRUSS HD	57	023060	NUT, 3/8" LOCK
28	012410	BOLT, 5/16" x 3/4" CRG	58	021560	2 GRIP, PLASTIC
29	022920	WASHER, 5/16" FLAT	59	149670	2 TIE, NYLON CABLE
30	023620	WASHER, 5/16" LOCK	60	006490	1 ELBOW, 1/2" x 45 DEGREE STREET

AUGER FEEDER ASSEMBLY - HYDRAULIC - W/O ROLL FEED

HYDRAULIC PLUMBING



HYDRAULIC AUGER FEEDER AND ROLL FEED
FOR 1986 AND PRIOR; FOR CURRENT VERSIONS
SEE APPROPRIATE ILLUSTRATIONS ON PREVIOUS PAGES.

Plumbing For
Hyd. Drag W/O Hyd.
Lift And Swing, Discharge

Plumbing For
Hyd. Drag When
Hyd. Lift And Swing,
Discharge Is Present

HYDRAULIC PLUMBING & HYDRAULIC MOTOR KITS

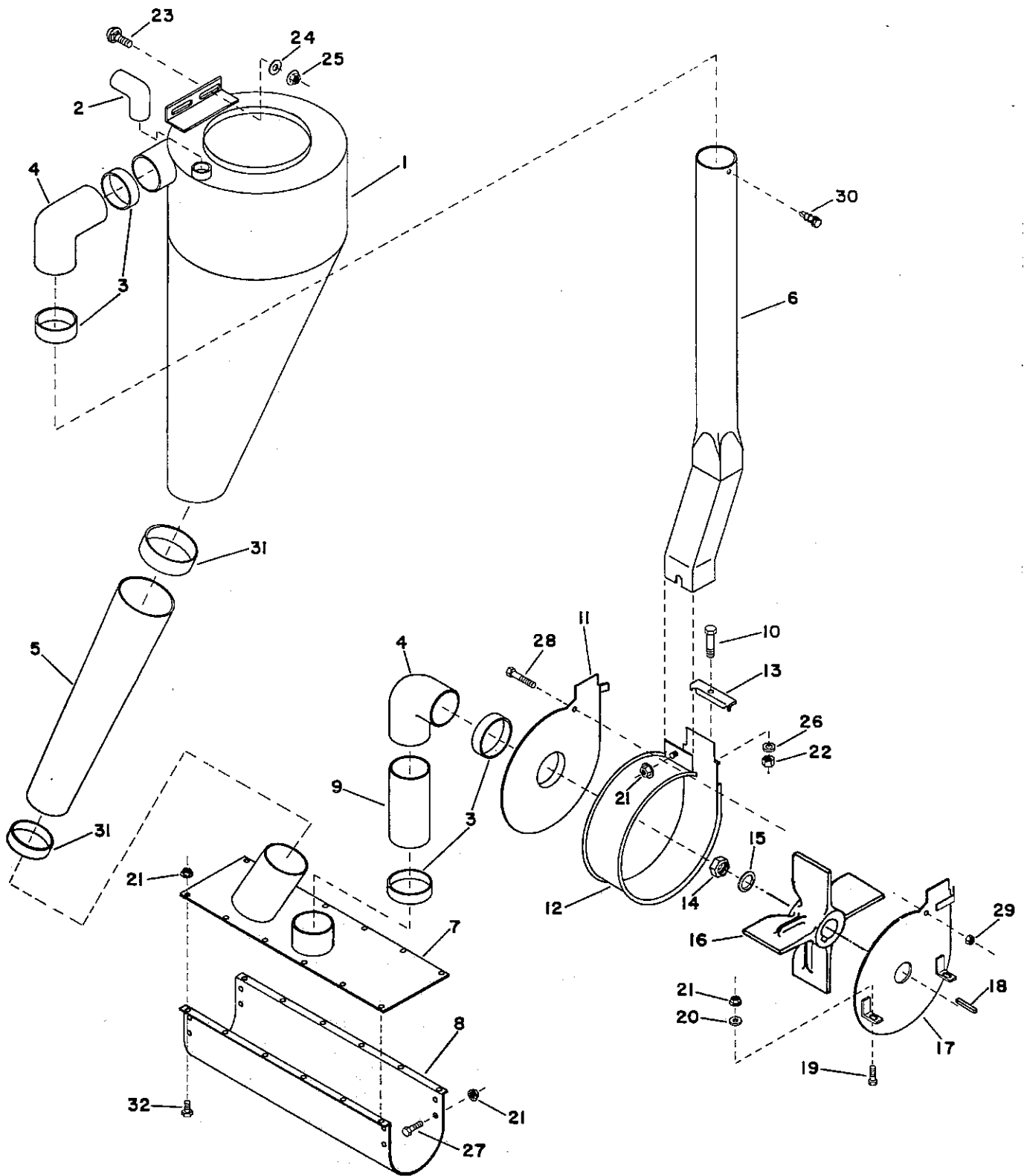
ITEM	PART NUMBER	QTY	DESCRIPTION
1	164560	6	HOSE 1/2" x 10' HYD
2	007470	2	COUPLING, 1/2" PIPE
3	161510	1	VALVE ASSEMBLY, HYD FLOW CONTROL
4	006240	8	ELBOW, 1/2" x 90 DEGREE STREET
5	006310	2	NIPPLE, 1/2" CLOSE
6	007420	3	BUSHING, 1/2" x 3/4" REDUCER
7	160220	1	VALVE, ROLL FEED SELECTOR
8	006490	4	ELBOW, 1/2" x 45 DEGREE STREET
9	166140	1	HOSE, 1/2" x 24" HYD
10	041740	1	HOSE, 1/2" x 16" HYD
11	006320	2	TEE, 1/2" PIPE
12	166250	1	ADAPTER, 1/2" STRAIGHT
13	014280	2	MOTOR, "SHORT" HYDRAULIC
14	006180	4	KEY, 1/4" x 1" WOODRUFF
15	005741	2	HOSE, 1/2" x 61" HYD
16	111090	2	MOTOR, "LONG" HYDRAULIC
17	149670	10	TIE, 3/16" PLASTIC
18			
19	160330	1	BRACKET, HYDRAULIC VALVE
20	163280	1	VALVE, DUAL RELIEF
21	163290	1	VALVE, DOUBLE SELECTOR
22	160230		BOLT, 5/16" x 3" HHCS
23	009800		BOLT, 5/16" x 2-1/2" HHCS
24	022920		WASHER, 5/16" FLAT
25	023620		WASHER, 5/16" LOCK
26	023630		NUT, 5/16" HEX
27	157600	2	SUPPORT, HYDRAULIC HOSE
28	114390	2	ELBOW, 1/2" x 90 DEGREE SPECIAL
29	006460	2	PLUG, 1/4" PIPE RESTRICTOR
30	166150	2	HOSE, 1/2" x 14' HYD

HYDRAULIC MOTOR KITS

ITEM	PART NUMBER	DESCRIPTION
1	014280	MOTOR, HYDRAULIC (LIFT&FEED AUGER)
	111090	MOTOR, HYDRAULIC (SWING)
2	1799207	FLANGE KIT, CHAR-LYNN
	217500	FLANGE KIT, DURST ORBMARK
3*	1780808	SEAL KIT, CHAR-LYNN (014280 & 111090)
	217490	SEAL KIT, DURST ORBMARK (014280 & 111090)
	1780700	SEAL KIT, ROSS TRW (014280 & 111090)
		*SERIES MAC #MAC500002
	242510	SEAL KIT, ROSS TRW (014280 & 111090)
		*SERIES MAG #MAC500001
	243040	SEAL KIT, ROSS TRW (014280 & 111090)
		*SERIES MG #SK000090

*NOTE KIND AND SERIES OF MOTOR USED

AIR SYSTEM PARTS



AIR SYSTEM PARTS

ITEM	PART NUMBER	QTY	DESCRIPTION
1	125960	1	DUST COLLECTOR ASSEMBLY
2	128500	1	ELBOW, 90 DEGREE HOSE
3	185880	4	BAND, 4" DIA TUBE RUBBER
4	188390	1	ELBOW, 4" PIPE
5	165450	1	PIPE WELDMENT, COUPLER
6	165470	1	TUBE WELDMENT, COUPLER
7	158660	1	COVER WELDMENT, TROUGH
8	158670	1	TROUGH, MILL TO TANK
9	012861	1	PIPE ASSEMBLY, 4" BLOWER
10	990870		BOLT, 3/8" x 3-1/2" HHCS
11	170990	1	PLATE ASSEMBLY, REAR SIDE
12	171000	1	WRAPPER ASSEMBLY, FAN HOUSING
13	170970	1	CLAMP, PULL DOWN
14	013530		NUT, 1-1/2" HEX
15	020560		WASHER, 1-1/2" x 2-1/4" FLAT
16	013520	1	FAN ASSEMBLY, DUST COLLECTOR
17	170980	1	PLATE ASSEMBLY, FRONT SIDE
18	013510	1	KEY, 3/8" SQ x 1-1/4" LG
19	005900		BOLT, 5/16" x 1" HHCS
20	022920		WASHER, 5/16" FLAT
21	020190		NUT, 5/16" LOCK
22	027260		NUT, 3/8" HEX
23	035180		BOLT, 3/8" x 1-1/4" CRG
24	021190		WASHER, 3/8" FLAT
25	020180		NUT, 3/8" LOCK
26	021180		WASHER, 3/8" LOCK
27	169340		BOLT, 5/16" x 1/2" CRG
28	012820		BOLT, 5/16" x 5" HHCS
29	025670		NUT, 5/16" LOCK
30	205940	1	SCREW, #8 x 1/2" HEX WASHER HD
31	185890	2	BAND, 7" RUBBER
32	136470		BOLT, 5/16" x 1/2" HHCS

*WHEN THE AUGERS ARE ASSEMBLED,
FLIGHTING TO BE 180 DEGREES FROM
WHERE IT STOPS TO WHERE IT STARTS.

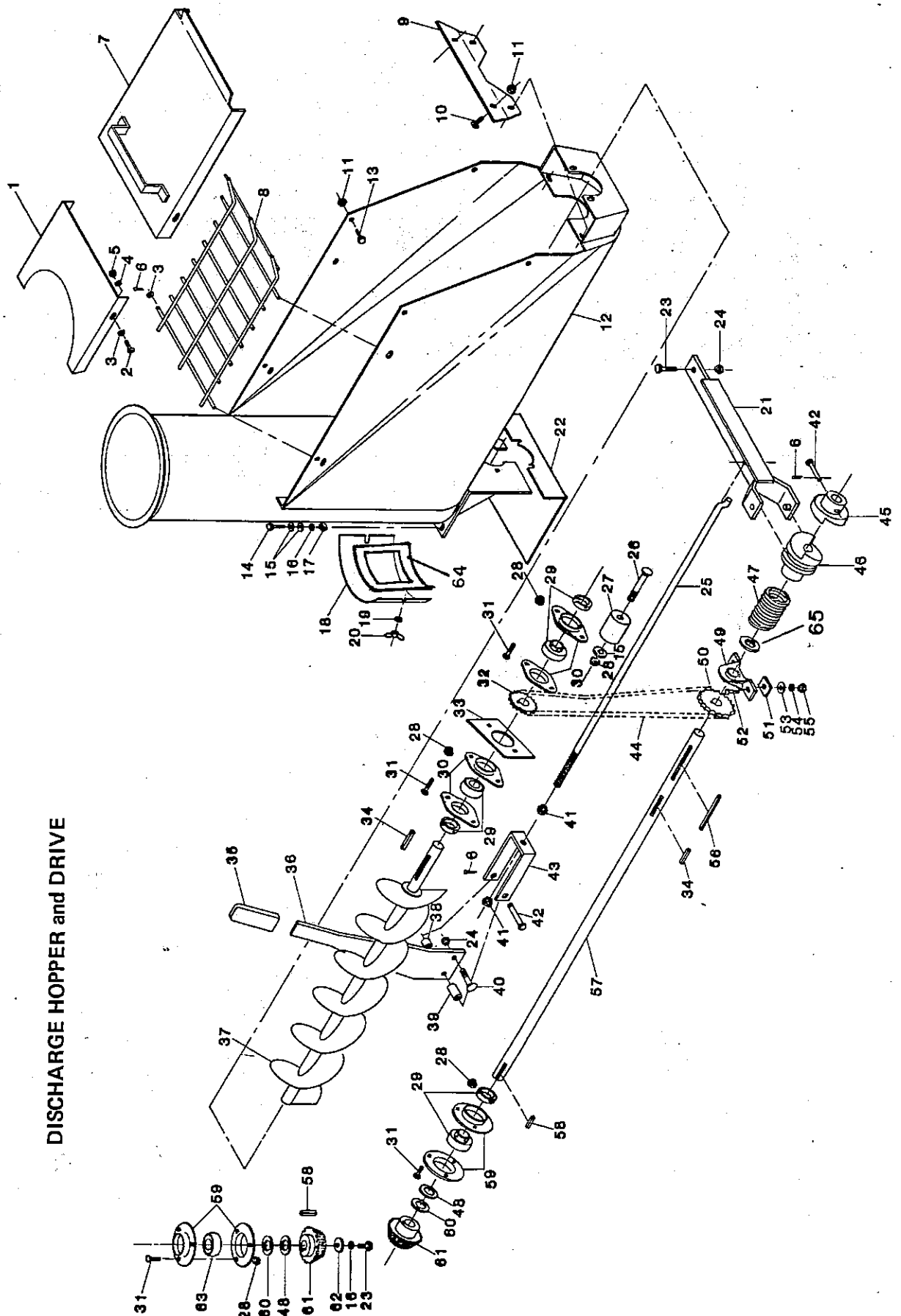
SUPPLEMENT HOPPER & DRIVE

23

PART			PART		
ITEM	NUMBER	QTY DESCRIPTION	ITEM	NUMBER	QTY DESCRIPTION
1	160710	1 LID, SUPPLEMENT HOPPER W/DECAL	31	005370	1 WASHER, 1/2" LOCK
2	128050	1 CUTTER, SACK	32	005360	1 NUT, 1/2" HEX
3	128060	1 GRATE WELDMENT ASSEMBLY	33	117550	1 BOLT, 3/8" x 2-1/4" CRG
4	158290	1 HOPPER WELDMENT, SUPPLEMENT	34	041440	1 WOOD BLOCK, 2" x 1-1/2"
5	128040	1 PLATE, HOLE COVER	35	021190	1 WASHER, 3/8" FLAT
6	160240	1 SHIELD, END BEARING	36	020760	1 KEY, 5/16" SQ x 1-1/8" LG
7	196140	1 AUGER WELDMENT, MILL TO TANK	37	010990	1 SCREW, 5/16" x 5/16" AHSS
8	163810	1 SHAFT, 1-1/4" x 18" GEARBOX	38	021860	1 SPROCKET, 40B24 1-1/8" BORE
9	163770	1 CHAIN ASSEMBLY, 60 x 14	39	039200	1 SPROCKET, 40A28 1-1/4" BORE
10	163790	2 SPROCKET, 60B14 1-1/4" ID	40	020080	1 HUB, SHEAR
11	035080	1 BEARING, 1-1/4" PILLOW BLOCK	41	042370	1 NUT, 1/4" LOCK
12	035510	1 WASHER, 1-1/2" SQ x .62" FLAT	42	012051	1 BOLT, 1/4" x 3/4" HHCS
	113250	1 SPACER, .62" x 1.7" .060"	43	025670	1 NUT, 5/16" LOCK
	113260	1 SPACER, .62" x 1.5" x .134"	44	163740	1 HUB, SHEAR W/SNAP RING GROVE
13	163800	1 SHAFT, MIXER DRIVE	45	159080	1 SPROCKET, 60A36 x 2" ID
14	131190	1 GEARBOX W/BEARINGS, SEE PG 12	46	010380	1 RING, 2" RETAINING
15	158300	1 COVER, SUPPLEMENT HOPPER AUGER	47	035090	1 BEARING, 1-1/4" PILLOW BLOCK
16	169340	1 BOLT, 5/16" x 1/2" CRG	48	025390	1 BOLT, 1/2" x 1-3/4" CRG
17	165030	1 BEARING, PILLOW BLOCK SPLIT WOOD	49	030030	1 BOLT, 5/16" x 1-1/4" HHCS
18	165020	1 BRACKET WELDMENT, BEARING HOLDER	50	073530	1 KEY, 5/16" SQ x 1-5/8" LG
19	020170	1 BOLT, 3/8" x 1" CRG	51	020220	1 KEY, 5/16" SQ x 1-1/4" LG
20	021180	1 WASHER, 3/8" LOCK	52	020400	2 KEY, 5/16" x 2" LG
21	027260	1 NUT, 3/8" HEX	53	157860	1 CHAIN, RC40 x 61P
22	006880	1 BOLT, 5/16" x 5/8" HHCS		013290	1 CONNECTOR LINK, W/SPRING CLIP
23	020190	1 NUT, 5/16" LOCK		013280	1 CHAIN LINK, RC40 OFFSET
24	019150	4 FLANGETTE, 3-HOLE BEARING	54	020700	1 PIN, 5/32" x 1" COTTER
25	108850	2 BEARING, 1-1/8" W/L COLLAR	55	021430	1 PIN, 3/8" x 2-1/4" CLEVIS
26	020180	1 NUT, 3/8" LOCK	56	196150	1 AUGER WELD, CONCENTRATE TO TANK
27	022920	1 WASHER, 5/16" FLAT			
28	021210	1 PIN, 3/32" x 1" COTTER			
29	018110	1 BOLT, 1/2" x 1-1/2" CRG			
30	005200	1 WASHER, 1/2" FLAT			

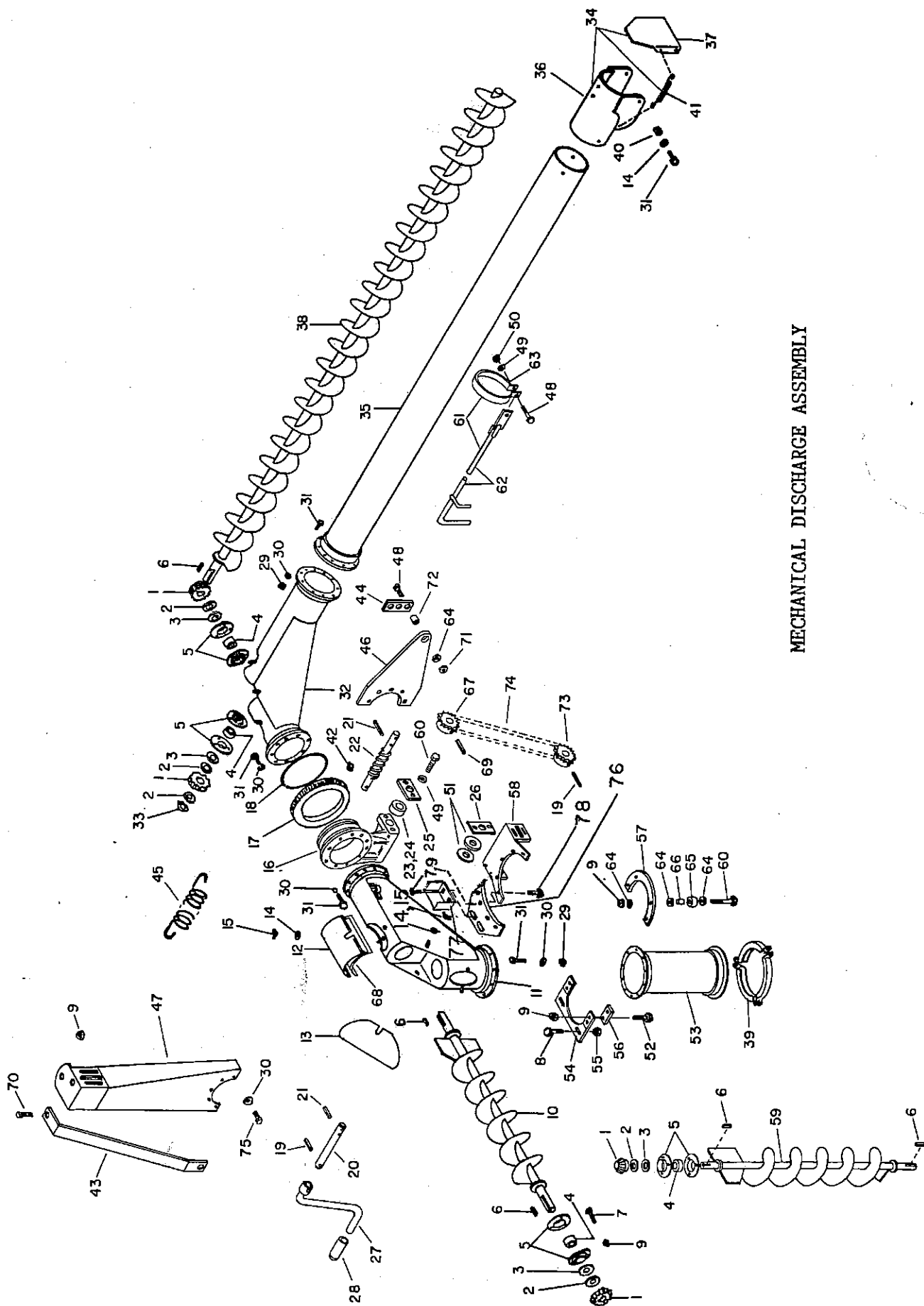
SUPPLEMENT HOPPER & DRIVE

DISCHARGE HOPPER and DRIVE



PART				PART			
ITEM	NUMBER	QTY	DESCRIPTION	ITEM	NUMBER	QTY	DESCRIPTION
1	040820	1	FEED DEFLECTOR	34	020220	2	KEY, 5/16" SQ x 1-1/4" LG
2	021240		SCREW, 1/4" x 1/2" TRUSS HEAD	35	021560	1	PLASTIC GRIP, CLUTCH HANDLE
3	023260		WASHER, 1/4" FLAT	36	105210	1	HANDLE, CLUTCH
4	029440		WASHER, 1/4" LOCK	37	158230	1	AUGER WELDMENT, PUSH
5	027660		NUT, 1/4" HEX	38	144730	1	SPACER, 1/2" L
6	020700		PIN, 5/32" x 1" COTTER	39	144740	1	SPACER, 7/8" L
7	158280	1	COVER, BACK HOPPER	40	035180		BOLT, 3/8" x 1-1/4" CRG
8	158270	1	GATE WELDMENT, DISCHARGE AUGER	41	023770		NUT, 7/16" HEX
9	167100	1	GASKET, FILLER	42	041540	2	PIN, 3/8" x 2-3/8" CLEVIS
10	012410		BOLT, 5/16" x 3/4" CRG	43	151450	1	FORK, DISCHARGE CLUTCH
11	020190		NUT, 5/16" LOCK	44	157860	1	CHAIN, RC40 ROLLER
12	158220	1	HOPPER, FIRST SECTION DISCHARGE		013290		CHAIN LINK, CONNECTOR
13	012140		BOLT, 5/16" x 3/4" HHCS		013280		CHAIN LINK, OFFSET
14	006690		BOLT, 3/8" x 1-1/4" HHCS	45	041550	1	CLUTCH, A-67 CASTING
15	021190		WASHER, 3/8" FLAT	46	032660	1	CLUTCH, A-66 CASTING
16	021180		WASHER, 3/8" LOCK	47	021270	1	SPRING, CLUTCH
17	027260		NUT, 3/8" HEX	48	020750		WASHER, 1-1/8" FLAT
18	012520	1	DOOR, CLEAN OUT	49	021540	1	BEARING, 1-1/8" PILLOW BLOCK W/LG
19	022920		WASHER, 5/16" FLAT	50	021860	1	SPROCKET, 40B24 1-1/8" ID
20	009790		NUT, 5/16" WING	51	035510		WASHER, 1-1/2" SQ x 9/16" ID FLAT
21	158210	1	ARM WELDMENT, CLUTCH		113250		SPACER, 1-3/4" x 9/16" x .06
22	121820	1	SHIELD, LOWER GEAR		113260		SPACER, 1-3/4" x 9/16" x .134"
23	012260		BOLT, 3/8" x 1" HHCS	52	018110		BOLT, 1/2" x 1-1/2" CRG
24	023060		NUT, 3/8" LOCK	53	005200		WASHER, 1/2" FLAT
25	158200	1	ROD, CLUTCH	54	005370		WASHER, 1/2" LOCK
26	991190		BOLT, 3/8" x 3-1/2" CRG	55	005360		NUT, 1/2" HEX
27	158250	1	IDLER, WOOD BLOCK	56	021570	1	KEY, 5/16" SQ x 3-5/8" LG
28	020180		NUT, 3/8" LOCK	57	158240	1	SHAFT, BACK AUGER DRIVE
29	108850	3	BEARING, 1-1/8" ADAPTER	58	020760	2	KEY, 5/16" SQ x 1-1/8" LG
30	021610	4	FLANGETTE, 2-HOLE BEARING	59	019150	4	FLANGETTE, 3-HOLE BEARING
31	020170		BOLT, 3/8" x 1" CRG	60	020650		WASHER, 1.130ID X 1.630OD x .135
32	020240	1	SPROCKET, 40B28 1-1/8"	61	020580	2	GEAR, 14 TOOTH BEVELED
33	167090	1	SPACER, BEARING	62	012270	1	WASHER, .406"x1.75"x.134" FLAT
				63	020230	1	BEARING, 1-1/8" ADAPTER
				64	185900	1	STRIP, SEALING
				65	034260		WASHER, 1-1/8"x2-1/8"x.134" FLAT

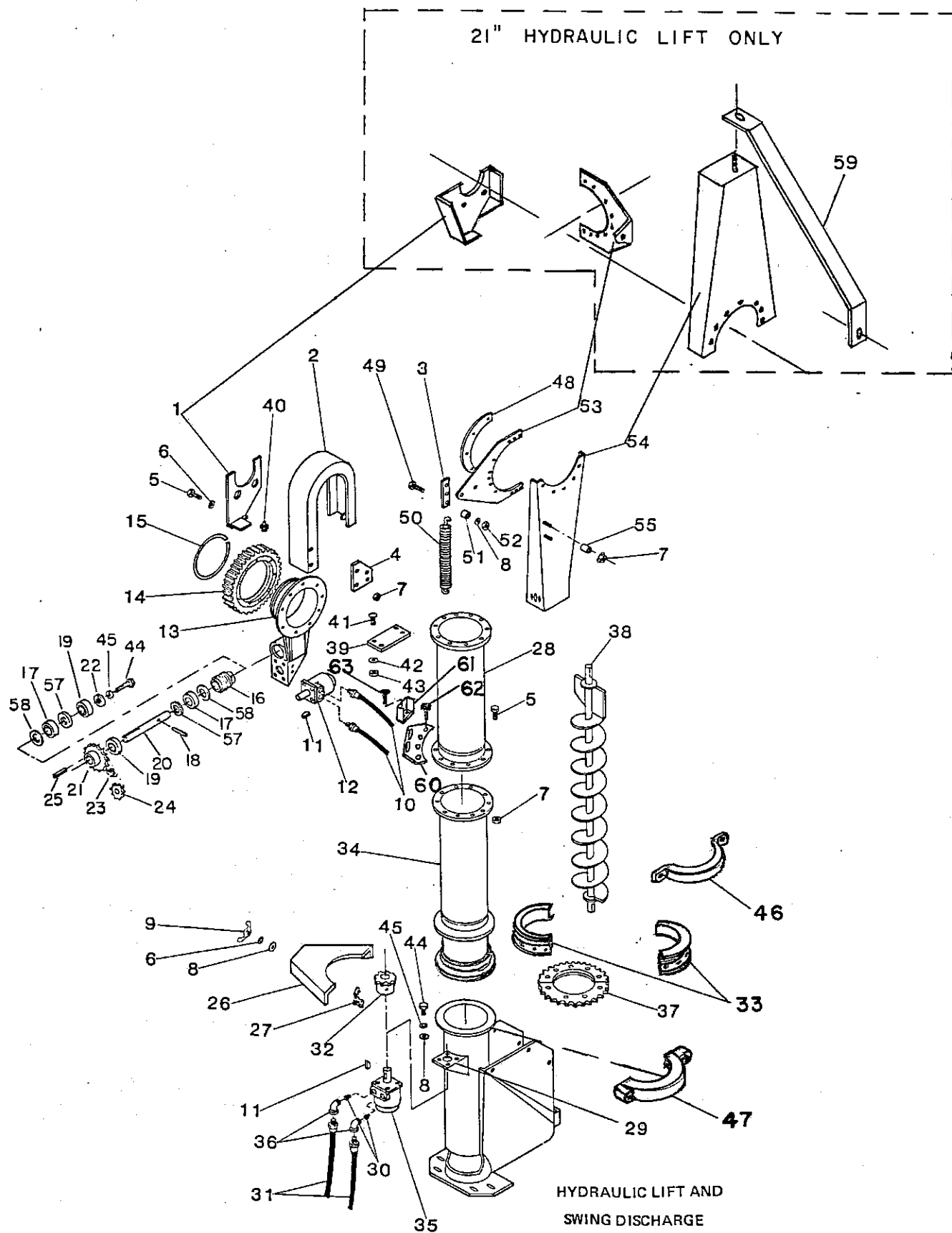
DISCHARGE HOPPER & DRIVE



MECHANICAL DISCHARGE ASSEMBLY

ITEM	PART NUMBER	QTY	DESCRIPTION	ITEM	PART NUMBER	QTY	DESCRIPTION
1	020580	4	GEAR, 1-1/8" 14T BEVEL	40	025670		NUT, 5/16" LOCK
2	020750		WASHER, 1-1/8" FLAT	41	100750	1	SPRING, 7/16" x 5-3/4" EXTENSION
3	020650		WASHER, 1-1/8" FLAT	42	115590	2	ZERK, 1/4" GREASE
4	020230	1	BEARING, 1-1/8"	43	158890	1	BRACE, TOWER
5	019150	8	FLANGEITE, 3-HOLE BEARING	44	145580	1	BRACKET, SPRING HOLDING
6	020760	5	KEY, 5/16" SQ x 1-1/8" LG	45	145590	1	SPRING, EXTENSION
7	020170		BOLT, 3/8" x 1" CRG	46	113560	1	LEVER, LIFT
8	012410		BOLT, 5/16" x 3/4" CRG	47	113570	1	TUG ARM, VERTICAL ARM
9	020180		NUT, 3/8" FLANGE LOCK	48	006690		BOLT, 3/8" x 1-1/4" HHCS
10	158560	1	AUGER WELDMENT, CROSS	49	021180		WASHER, 3/8" LOCK
11	158550	1	ELBOW WELDMENT, HEAVY DISCHARGE	50	027260		NUT, 3/8" HEX
12	012520	4	DOOR, CLEAN OUT	51	035190		WASHER, .656" x 1.00" x .075" FLAT
13	040870	2	SHIELD, BEVEL GEAR	52	012260		BOLT, 3/8" x 1" HHCS
14	022920		WASHER, 5/16" FLAT	53	151460	1	TUBE ASSEMBLY, 21" VERTICAL
15	009790		NUT, 5/16" WING	54	046020	1	BRACKET, SWIVEL RING
16	206440	1	HOLDER ASSEMBLY, RING & WORM	55	020190		NUT, 5/16" FLANGE
17	126230	1	GEAR, RING	56	046130	2	BRACKET, SWIVEL RING ATTACHING
18	104360	1	RING, RETAINING	57	046060	1	RING, SWIVEL
19	012550	2	PIN, 1/4" x 1-1/4" EXPAN	58	145910	1	PIVOT, CRANK
20	236740	1	SHAFT, MECHANICAL CRANK	59	158830	1	AUGER WELDMENT
21	012560	3	PIN, 3/16" x 1" EXPAN	60	011370		BOLT, 3/8" x 1-1/2" HHCS
22	206430	1	SHAFT, WORM DRIVE	61	113830	1	HANDLE KIT, SWING ARM
23	206450	2	BEARING, CUP LM11910XL	62	113780	1	HANDLE, SWING ARM
24	206460	2	BEARING, CONE LM11949XL	63	041140	1	BAND, 8" TUBE
25	206470	2	PLATE, HOLDER	64	021190		WASHER, 3/8" FLAT
26	114060	2	PLATE ASSEMBLY, ADJUSTMENT	65	013750	4	BEARING, 1/2" BALL
27	012500	1	CRANK ASSEMBLY, BACK AUGER	66	038380	4	SPACER, 3/8" x 1/2" x 5/16" LG
28	020640	1	GRIP, PLASTIC	67	206390	1	SPROCKET, 40B18
29	023630		NUT, 5/16" HEX	68	185900	4	STRIP, SEALING
30	023620		WASHER, 5/16" LOCK	69	013600	1	PIN, 1/4" x 2" EXPAN
31	012140		BOLT, 5/16" x 3/4" HHCS	70	022420		BOLT, 3/8" x 3/4" HHCS
32	132870	1	ELBOW WELDMENT, LIGHT DISCHARGE	71	023060		NUT, 3/8" LOCK
33	035200	1	RING, 1-1/8" SNAP	72	033460	1	SPACER, .375 x .281 LG
34	152100	1	HOOD ASSEMBLY, DISCHARGE AUGER	73	113520	1	SPROCKET, 40B9
35	158570	1	TUBE WELDMENT, 8" x 91" DISCHARGE	74	158920	1	CHAIN ASSY RC40 104P
36	152110	1	HOOD WELDMENT		013290		CONNECTOR LINK W/SPRING CLIP
37	152170	1	DOOR, DISCHARGE HOOD		013280		OFFSET LINK
38	040950	1	AUGER WELDMENT	75	005900		BOLT, 5/16" x 1" HHCS
39	034410	1	CLAMP ASSEMBLY, SWIVEL	76	206000	1	HOLDER, SWIVEL STOP
				77	206010	1	STOP WELDMENT, SWIVEL
				78	030030	1	BOLT, 5/16" x 1-1/4" HHCS

MECHANICAL DISCHARGE ASSEMBLY



HYDRAULIC LIFT & SWING DISCHARGE

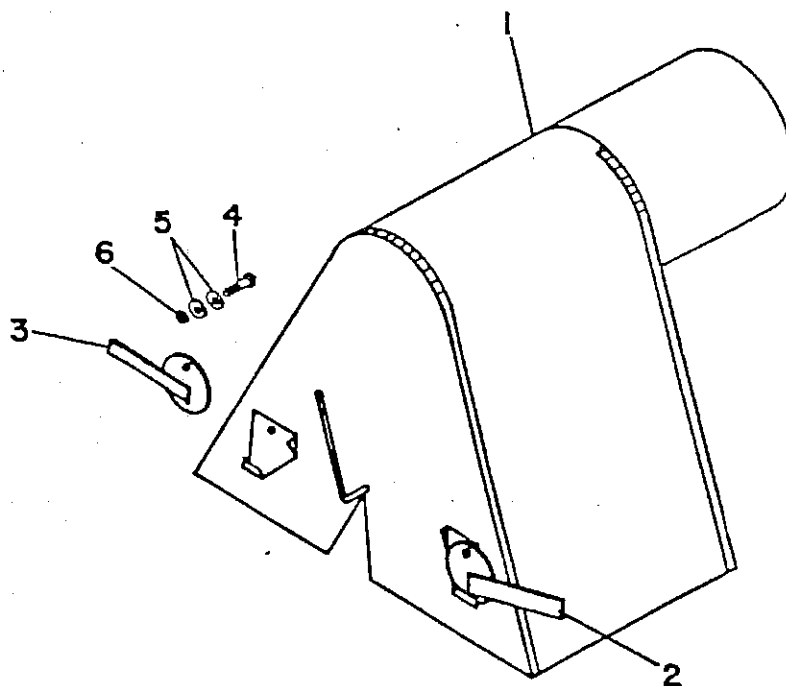
ITEM	PART NUMBER	QTY	DESCRIPTION
1	161600	1	SHIELD, HYDRAULIC BACK W/DCL, 45"
	228360	1	SHIELD, RING & WORM W/DECAL, 21"
2	161550	1	SHIELD, RING & WORM W/DECAL, 45"
3	145580	1	BRACKET, SPRING HOLDER
4	043240	1	BRACKET, SHIELD MOUNTING
5	012140		BOLT, 5/16" x 3/4" HHCS
6	023620		WASHER, 5/16" LOCK
7	020190		NUT, 5/16" LOCK
8	021190		WASHER, 3/8" FLAT
9	009790		NUT, 5/16" WING
10	166150	2	HOSE, 12" x 14' HYD
11	006180	2	KEY, 1/4" x 1" WOODRUFF
12	014280	1	MOTOR, "SHORT" HYDRAULIC
13	133850	1	HOLDER, HYD RING & WORM GEAR
14	145450	1	GEAR, RING W/10 HOLE
15	104360	2	RING, SNAP
16	1803204	1	GEAR, WORM
17	1803301	2	BEARING, 1" THRUST
18	1802801	1	PIN, 5/16" x 1-3/4" SPRING
19	169730	2	BEARING, 1" BORE
20	1802909	1	SHAFT, 1" x 9"
21	006630	1	SPROCKET, 40B18 1"
22	012270		WASHER, 3/8" x 1-3/4" x .13" TH.
23	006850	1	CHAIN, RC 40 ROLLER
24	014940	1	SPROCKET, 40B13 1"
25	011500	1	KEY, 1/4" SQ x 1-1/2"
26	161570	1	SHIELD, SWIVEL MOTOR W/DECAL
27	032780	1	CHAIN, RC 40 ROLLER
28	126260	1	TUBE, 2' VERTICAL EXTENSION
29	046080	1	MOUNT, MOTOR
30	006460	2	RESTRICTOR
31	164560	2	HOSE, 1/2" x 10' HYD
32	032770	1	SPROCKET, 40B8 1" SPECIAL
33	206560	2	BAND HALF WELDMENT
34	241590	1	TUBE WELDMENT, 21" VERTICAL W/RING
35	111090	1	MOTOR, "LONG" HYDRAULIC
36	114390	2	ELBOW, 1/2" x 90 DEGREE
37	133480	1	SPROCKET, 40A80 SPLIT
38	158840	1	AUGER WELDMENT, 7" x 89-1/4"
	158830	1	AUGER WELDMENT, 7" x 65-1/4"
39	113070	1	PLATE, OIL
40	115590	2	FITTING, 1/4" STRAIGHT GREASE
41	035230		SCREW, 1/4" x 3/4" TRUSS HD
42	029440		WASHER, 1/4" LOCK
43	027660		NUT, 1/4" HEX
44	012260		BOLT, 3/8" x 1" HHCS
45	021180		WASHER, 3/8" LOCK
46	034410	1	RING, SWIVEL CLAMP
47	188340	1	SWIVEL CLAMP WELDMENT, HEAVY
48	147600	1	RING HALF
49	006690		BOLT, 3/8" x 1-1/4" HHCS

PARTS LIST CONTINUED ON NEXT PAGE

HYDRAULIC LIFT & SWING DISCHARGE - CONTINUED

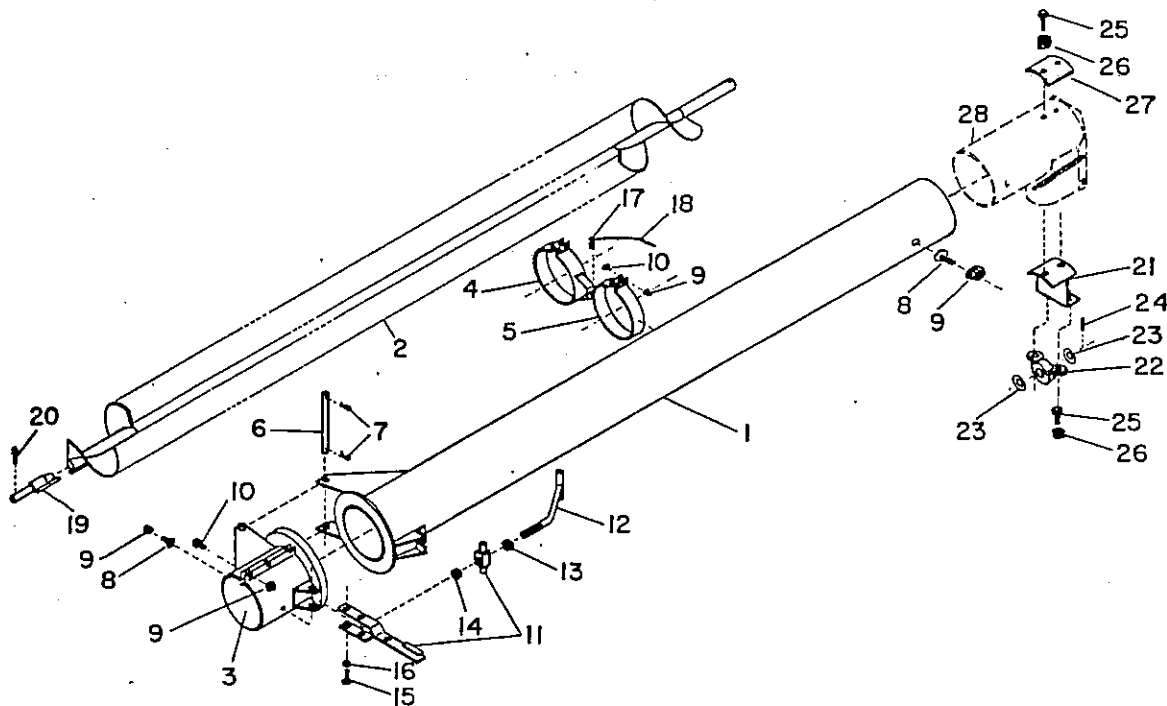
ITEM	PART NUMBER	QTY	DESCRIPTION
50	145590	4	SPRING, EXTENSION
51	033460	1	TUBE, .375" x .281" SPACER
52	023060		NUT, 3/8" LOCK
53	113560	1	LIFT LEVER, 45" ONLY
	228370	1	LIFT LEVER, 21" ONLY
54	147530	1	VERTICAL ARM ASSEMBLY, 45" ONLY
	113570	1	VERTICAL ARM ASSEMBLY, 21" ONLY
55	144730	2	SPACER, 1/2"
56			
57	042180		WASHER, 1.00"x2.25"x.180" FLAT
58	003370		WASHER, 1.03" x 1.5" x .048" FLAT
59	158890	1	BRACE, TOWER 21" ONLY
60	206000	1	HOLDER, SWUVEL STOP
61	206010	1	STOP WELDMENT, SWIVEL
62	030030		BOLT, 5/16" x 1-1/4" HHCS
63	020170		BOLT, 3/8" x 1" SNCB

DOUBLE DISCHARGE TUBE SACKER ATTACHMENT



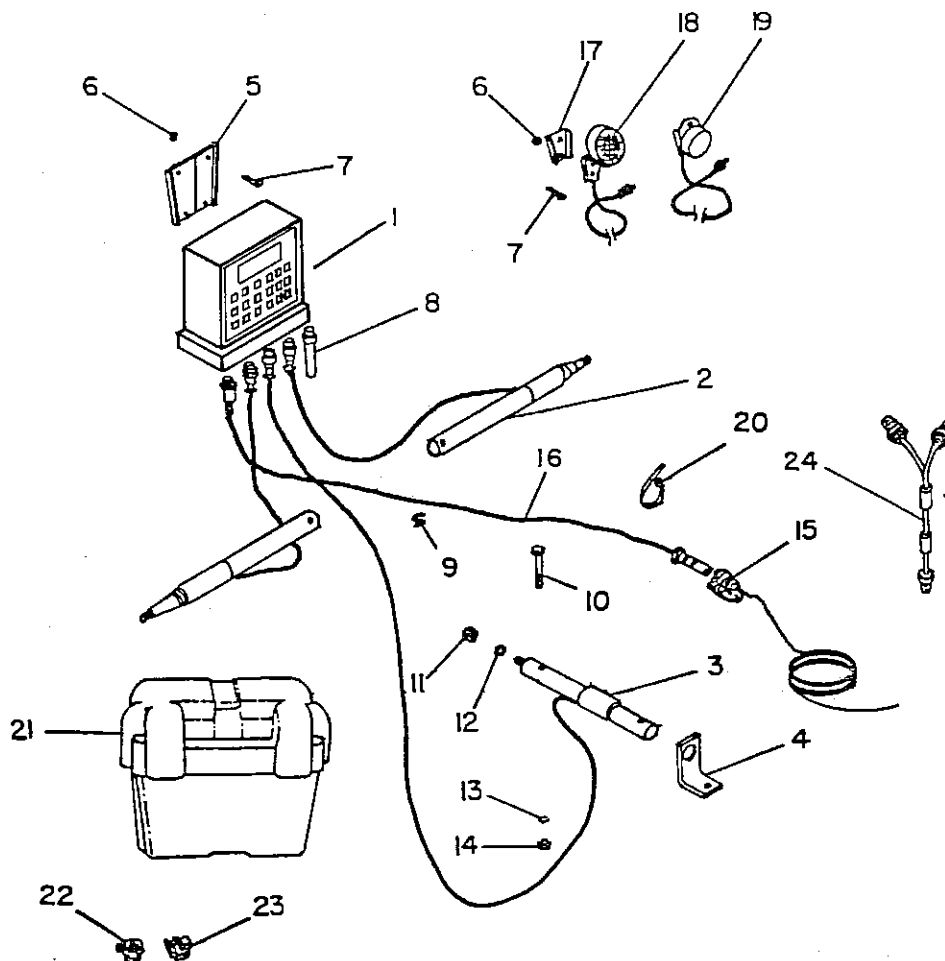
ITEM	PART NUMBER	QTY	DESCRIPTION
1	046650	1	TWO WAY BAGGER, HOUSING
2	034670	1	BAG LOCK, LH
3	034660	1	BAG LOCK, RH
4	005900		BOLT, 5/16" x 1" HHCS
5	022920		WASHER, 5/16" FLAT
6	025670		NUT, 5/16" LOCK

FOLDING DISCHARGE AUGER EXTENSIONS 3' AND 6'



ITEM	PART NUMBER	QTY	DESCRIPTION
1	152150	1	TUBE, 3' EXTENSION
	152160	1	TUBE, 6' EXTENSION
2	171090	1	AUGER, 3' EXTENSION
	171130	1	AUGER, 6' EXTENSION
3	162110	1	CLAMP-ON PIVOT W/DECAL
	144650	2	DECAL, AUGER ENGAGEMENT
4	134240	1	CLAMP BAND W/STRAP
5	134290	1	CLAMP BAND W/PIN
6	144640	1	PIN, 1/2" x 8-1/2" PIVOT
7	034360		PIN, 1/8" x 1" COTTER
8	028230		SCREW, 5/16" x 3/4" SLOT
9	020190		NUT, 5/16" LOCK
10	012140		BOLT, 5/16" x 3/4" HHCS
11	127830	1	LOCKING HANDLE W/PIVOT
12	144270	1	HANDLE, T-BAR
13	005360		NUT, 1/2" HEX
14	127890		NUT, 1/2" LOCK
15	012410		BOLT, 5/16" x 3/4" CRG
16	025670		NUT, 5/16" LOCK
17	035830		PIN, 3/16" x 3" HAIR
18	143700	1	CHAIN, 8" LONG
19	171160	1	SHAFT, PIVOT DRIVE
20	008780		SCREW, 7/16" x 3/4" SET
21	134320	1	HANGER WELDMENT, BEARING
22	134310	1	BEARING, 1-1/8" WOOD PILLOW BLOCK
23	020650		WASHER, 1.140" x 1.630" x .134"
24	013600	1	PIN, 1/4" x 2" EXPAN
25	022420		BOLT, 3/8" x 3/4" HHCS
26	020180		NUT, 3/8" LOCK
27	152200	1	PLATE, BEARING MOUNTING
28	152100	1	HOOD ASSEMBLY, DISCHARGE

ELECTRONIC SCALE ASSEMBLY



ITEM	PART NUMBER	QTY	DESCRIPTION
1	223894		INDICATOR, 1000R SCALE
	223934		INDICATOR, 2000R SCALE
2	040610	2	WEIGH BAR, 2-1/8" AXLE
3	132250	1	WEIGH BAR, HITCH
4	036740	1	CLEVIS, 1-7/8" HITCH
5	036670		BRACKET, INDICATOR UNIT
6	023270		NUT, 1/4" FLANGE LOCK
7	021240		SCREW, 1/4" x 1/2" TRUSS HEAD
8	036760	1	PLUG, 4-PIN ADAPTER
9	036890		CLIP, WIRE
10	990960		BOLT, 3/4" x 4-1/2" HHCS
11	147310		NUT, 1" HEX
12	003350		WASHER, 1" LOCK
13	036800		WASHER, 3/4" LOCK
14	036750		NUT, 3/4" HEX
15	036780	1	CONNECTOR, TRAC PLUG POWER CORD
16	147060	1	POWER CORD, DIGITAL 23'
17	039260		BRACKET, SMV
18	111880		HORN, DIGITAL WARNING
19	111900		LIGHT, DIGITAL WARNING
20	149670	15	TIE, NYLON CABLE
21	039690		LID, BATTERY BOX
22	135440		CLAMP, POSITIVE BATTERY
23	135450		CLAMP, NEGATIVE BATTERY
24	199090		ADAPTER, LIGHT & HORN "Y"

PAINT, DECALS and MISCELLANEOUS



CAUTION

Read the Operator's Manual.

Learn to operate this machine SAFELY.

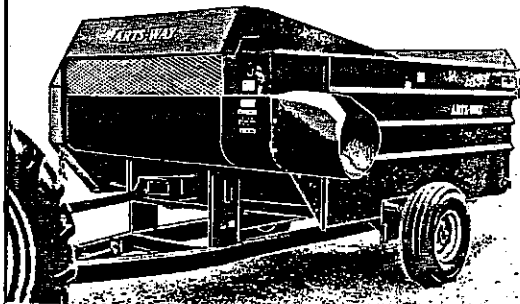
Be alert. Observe ALL Safety Practices.

Machines can be hazardous in the hands of an UNFAMILIAR, UNTRAINED or COMPLACENT operator.

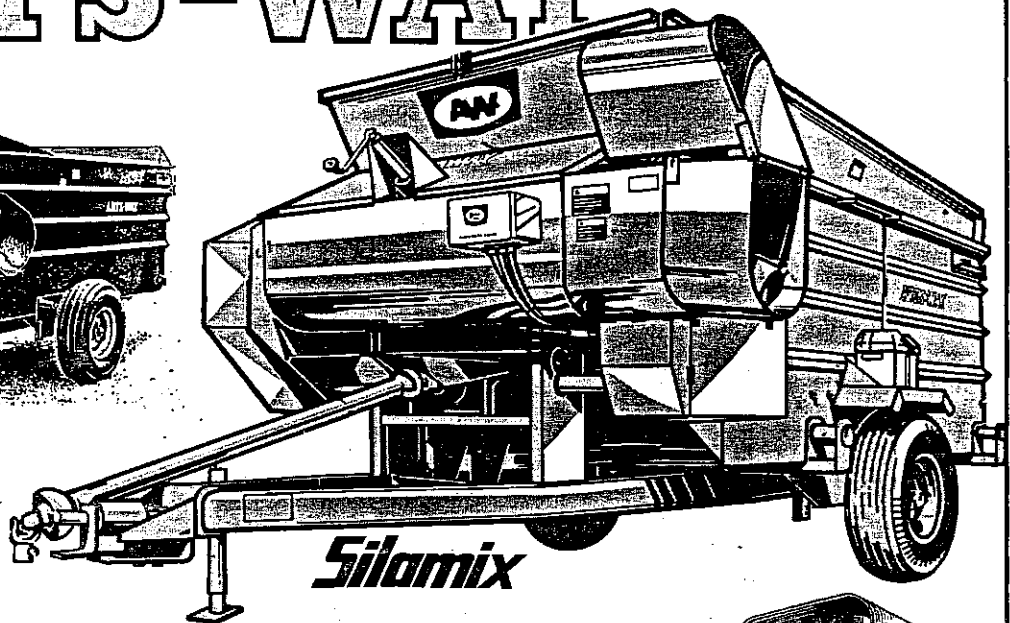
Don't risk INJURY or DEATH.

PART NUMBER	QTY	DESCRIPTION
043121		A-W GREEN, SPRAY CAN
043161		A-W YELLOW, SPRAY CAN
021990		A-W GREEN QUART CAN
022000		A-W YELLOW, QUART CAN
022010		A-W GREEN, GALLON CAN
022020		A-W YELLOW, GALLON CAN
006840		A-W SUPER LUBE GUN GREASE
115370	1	DECAL, IMPORTANT - HITCH HEIGHT INFO
115380	1	DECAL, CAUTION - KEEP SHIELDS IN PLACE
115430	2	DECAL, CAUTION - READ OPERATOR'S MANUAL
049270	3	DECAL, CAUTION - DO NOT OPEN COVER
151100	1	DECAL, DANGER - ROTATING DRIVE LINE
158510	1	DECAL, 500 LOGO
043261	2	DECAL, LARGE A-W LOGO
043281	2	DECAL, ARTS-WAY
020540	1	DECAL, SET OF 3 NUMBERED WINDOWS
021170	1	DECAL, SUPPLEMENT HOPPER
041620	1	DECAL, ELECTRONIC SCALE BRACKET
158500	1	DECAL, TANK WEIGHT AND MEASURE GUIDE
227430	2	RED REFLECTOR
227420	1	AMBER REFLECTOR
164300	1	DECAL, DANGER - ELECTRICAL SHOCK
117720	2	ANTI-SLIP TAPE, 2" WIDE x 20"
159460	1	DECAL, VALVE DIRECTION
168620	1	DECAL, HYDRAULIC RING GEAR
212350	1	DECAL, SUPPLEMENT INSTRUCTIONS
212540	1	DECAL, DANGER, AUGER FEEDER GRATE
166710	1	DECAL, DANGER 1050 RPM
166720	1	DECAL, DANGER 565 RPM
158520	1	DECAL, "STOP", AUGER FEEDER
158530	1	DECAL, START-STOP AUGER
I1281298C1	1	DECAL, CAUTION, 6 ITEMS
146670	2	DECAL, GREASE SYMBOL
148190	2	DECAL, CAUTION-SHIELDS FOR PROTECTION

ARTS-WAY

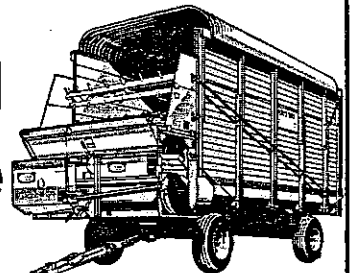


Feed-Way 155

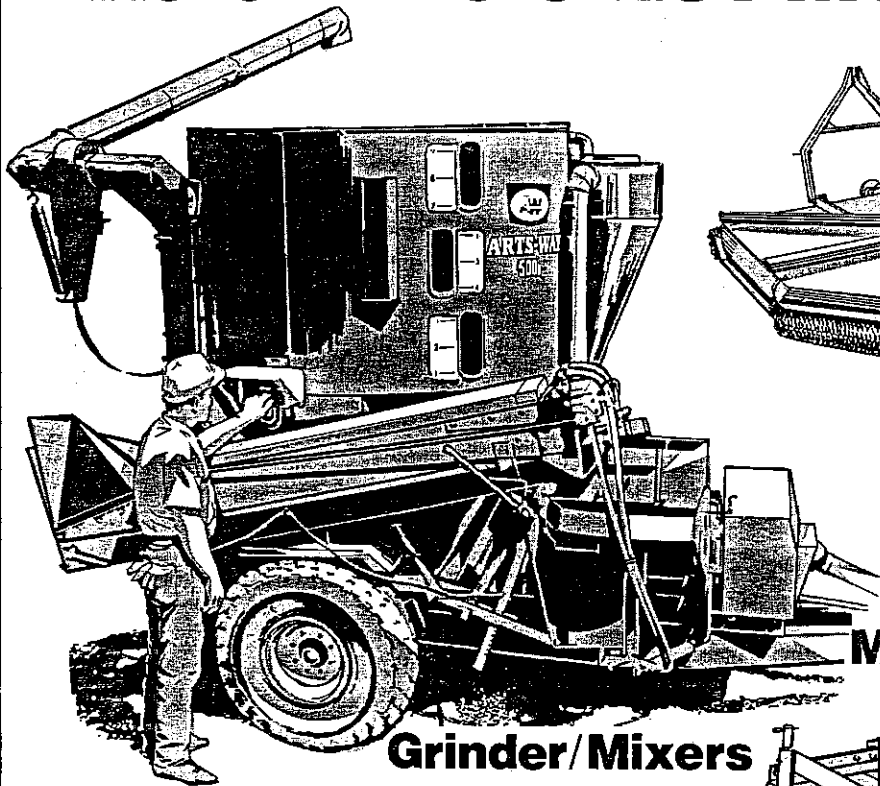


Silamix

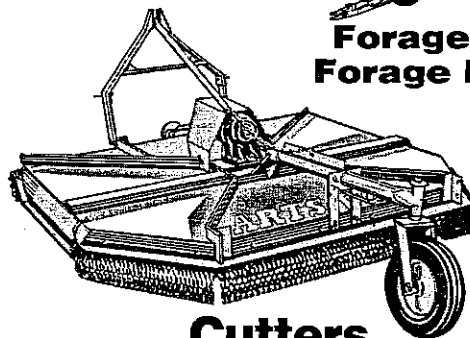
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