

SILOPRESS

XPIII

TABLE OF CONTENTS

Owner Registration And Warranty Record	1
Start Up Checklist	2
Preparing The Silopress For Operation	4
The Operation Area	4
Silobag Placement	4
Set-up For Operation	4
Mounting The Silobag	8
"Y" Hitch Assembly	10
Sealing The Silobag	11
Attaching The Backstop	12
Connecting The Brake Cables	13
The Air Brake	13
The Silobag Filling Procedure	14
Finishing The Silobag	14
Repositioning The Silopress	15
Preparation For Transport	15
Silage Material Guide	16
Trouble Shooting - Silopress	17
Maintenance - Gearbox	19
Oil & Lubrication	19
Maintenance Service Record	23
Trouble Shooting - Gearbox	24
Parts List	25
Safety	43
Warranty Policy	44
Silobag Warranty Claim	45

OWNER REGISTRATION AND WARRANTY RECORD

Complete both sides of this form and return to Silopress within 30 days to validate warranty. Mail to: SILOPRESS, INC., P.O. Box 988, Sioux City, Iowa 51102.

NAME OF OWNER: _____

ADDRESS: _____

CITY _____ STATE _____ ZIP _____

PHONE () _____ COUNTY _____

DATE OF DELIVERY _____

SILOPRESS SERIAL # _____

SALES REPRESENTATIVE _____

SILOPRESS EQUIPPED WITH SIDE CONVEYOR? YES _____ NO _____

IF YES, CONVEYOR SERIAL # _____

WE WOULD ALSO APPRECIATE THE FOLLOWING INFORMATION:

HOW DID YOU LEARN ABOUT THE SILOPRESS?

FARM SHOW _____, FARM MAGAZINE _____

WHICH ONES _____

FIELD DAY DEMONSTRATION _____, CUSTOM WORK FROM A NEIGHBOR _____

SALES REPRESENTATIVE _____, OTHER _____

PURCHASE PRICE _____ LEASE _____ CASH _____

YOUR OPERATION _____ NUMBER OF ACRES USED FOR SILAGE _____
QTY.

☐ DAIRY _____

☐ BEEF _____

☐ HOG _____

☐ SHEEP _____

☐ OTHER _____

CROPS USED FOR SILAGE _____

WHAT METHODS OF STORAGE HAVE YOU USED IN THE PAST?

START UP CHECKLIST

CUSTOMER _____

SERIAL # _____

1. Transportation tie-down procedure.
2. Rotation of wheels from transport to operating position. Show wheel alignment procedure.
3. Attachment and removal of backstop.
4. Demonstrate moving positions:
 - a. Road transport (towing)
 - b. Working position transport
5. Procedure for raising and lowering feedtable.
6. Adjustment procedures on following items:
 - a. Gearbox
 - b. Feedtable drive
 - c. Feedtable conveyor chain
 - d. Side conveyor belt
 - e. Stabilizer hitch
 - f. Backstop rope tension
 - g. Side conveyor operating position
7. Inspect and/or tighten the following:
 - a. All sprockets and bearing collars
 - b. Gearbox bracket bolts
 - c. Tire lugs
 - d. Feedtable carriage bolts
 - e. Tire pressure to 50 psi
 - f. Remove all rough edges and surfaces in contact with Silobag
 - g. Tighten all other nuts and bolts
8. Lubrication
 - a. Grease all bearings
 - b. Oil all chains
 - c. Check oil level in gearbox #7 compound only. Other grades of oil can severely damage gearbox.
9. Location and attachment of tractor to Silopress.
 - a. Rear unloading
 - b. Side unloading
10. Procedure for placement of Silobag on machine.
11. Procedures for sealing Silobag:
 - a. Wrap around 2 x 4
 - b. Twist ends

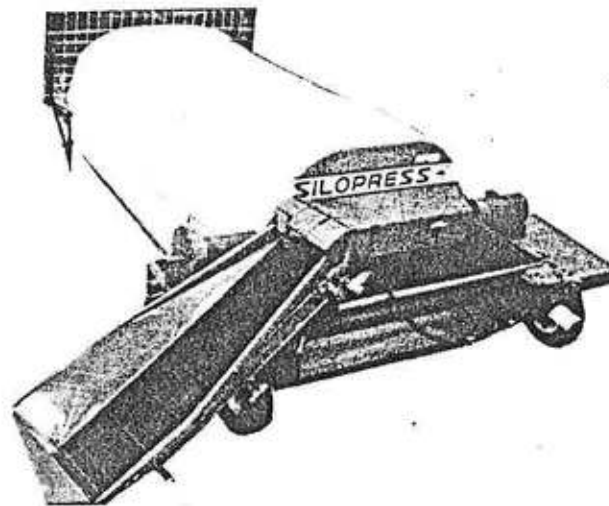
Procedure for cable attachment to backstop.
12. Air pump and air brake operation.
13. Discuss guidelines for filling various feedstuffs.
 - a. Length of cut; short, long
 - b. Moisture content; high, low
 - c. Free-flowing (shelled corn, etc.)
14. Correcting direction of Silopress during operation:
 - a. Change direction of tractor
 - b. Change direction of Silopress wheels
 - c. Turn the Silopress with tractor
15. Procedure for finishing Silobag.
 - a. Removal of Silopress from Silobag
 - b. Removal of feedstuff from tunnel
 - c. Sealing Silobag
16. Procedure for rewinding cables.
17. Maintenance of Silobag.
 - a. Inspect for holes
 - b. Proper handling of gases and juices
 - c. Controlling slack Silobag at finish end to eliminate wind fatigue
18. Removing silage from Silobag.
 - a. Front-end loader
 - b. Self-feeding Silogate
 - (1) Attachment and control of electric fence
 - (2) Attachment and roll-up method of Silobag
 - (3) Attachment and control of wind strap
19. Preparing Silopress for storage.
 - a. Cover air brake to reduce corrosion from moisture and dirt
 - b. Clean and lubricate thoroughly
20. Safety
 - a. Keep all shields in place
 - b. Disengage power and shut off engine before attempting to service machine
 - c. Keep hands, feet and clothing away from power driven parts
 - d. Do not climb or ride on machine during operation or transport
 - e. Do not stand under feedtable when raising or lowering
21. Order procedures.
 - a. Spare parts and miscellaneous items
 - b. Silobags

DATE: _____

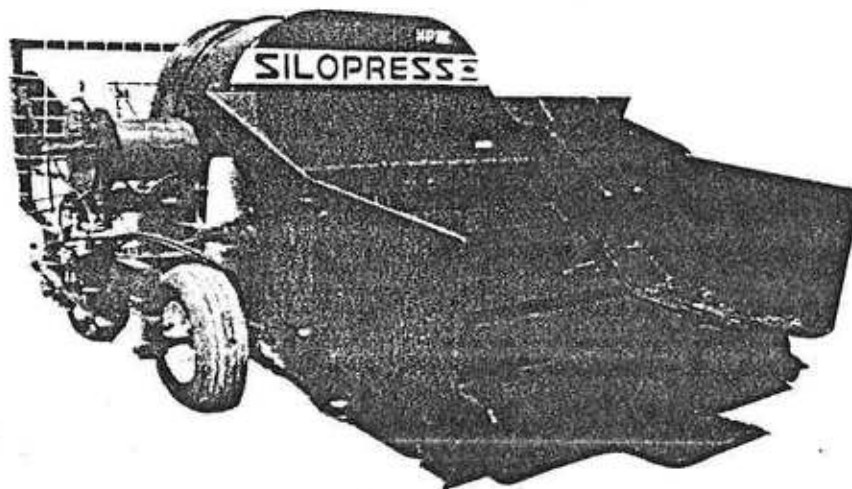
REPRESENTATIVE _____

OWNER: _____

THE 1983 SILOPRESS XP111
SEALED STORAGE SYSTEMS



XP111 HOPPER WITH SIDE CONVEYOR



XP111 FEEDTABLE FOR REAR UNLOADING

PREPARING THE SILOPRESS FOR OPERATION

I. The Operating Area

Prior to set-up, the operating area should be selected and properly prepared. If at all possible, a slight grade should be used to provide adequate drainage. It should be free of large stones and debris and be relatively smooth.

II. Silobag Placement

- A. When unloading the material into the Silopress with rear unloading wagons or dump trucks, position the bags from right to left. The "left" is the gearbox side of the Silopress. This allows closer placement of Silobags.
- B. When unloading the material using the side conveyor option, position the bags from left to right. The side conveyor is mounted on the "right" side of the Silopress. This allows closer placement of Silobags.

III. Set-Up for Operation

- A. Position the Silopress so the open side of the compacting tunnel is where the starting end of the Silobag will be. Figure 1

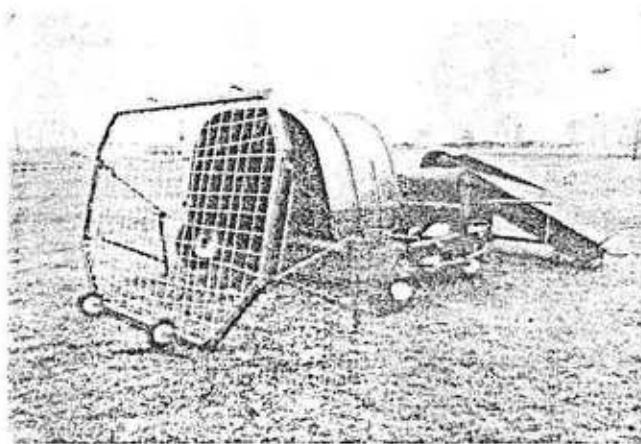


FIGURE 1

- B. Positioning the Backstop for Operation.

1. Disconnect the backstop L hooks and stabilizer.
2. Lower backstop with hand winch until there is sufficient slack in rope to pull backstop away from tunnel and stand upright.
3. Disconnect winch rope from tunnel front and rewind slack.

C. Turning the Wheels for Operation

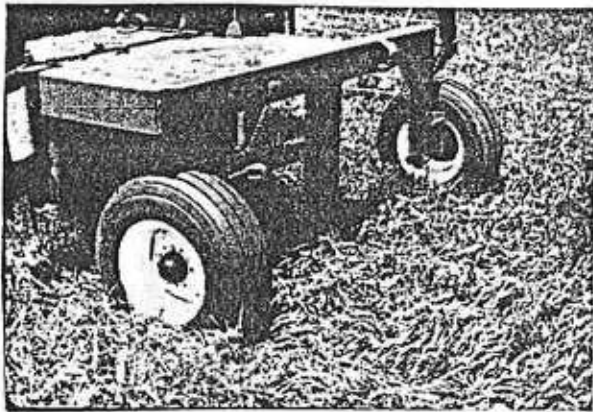


FIGURE 2

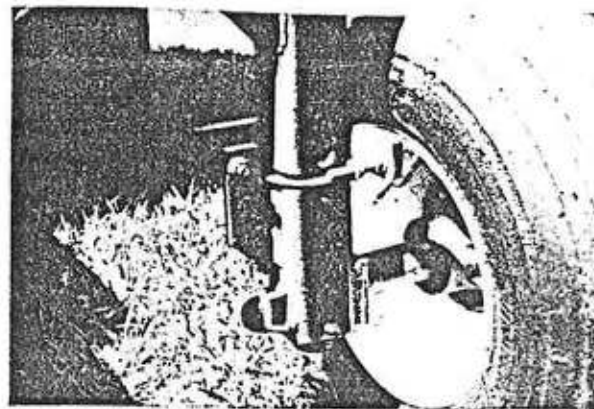


FIGURE 3

1. Remove nuts from the flange bolts on each wheel. Steering arms will need to be disconnected from the front wheels. Figure 4

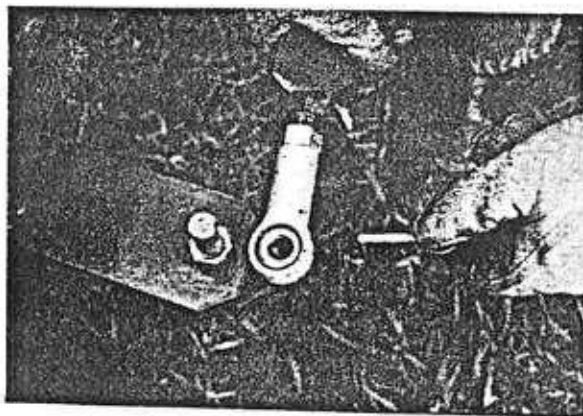


FIGURE 4

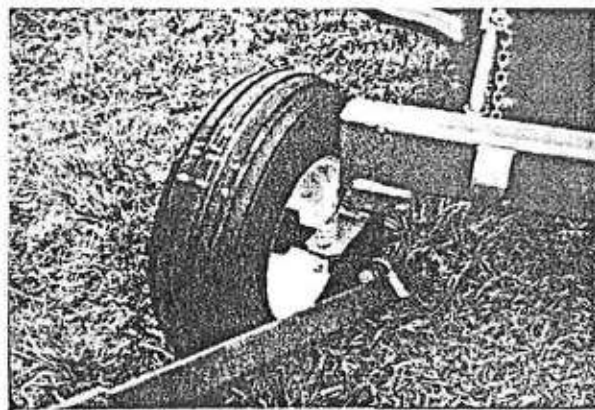


FIGURE 5

2. Using the drawbar, turn each wheel 90 degrees to the OPERATING position. The flange on each spindle will automatically move into position to be locked into place by replacing the nuts and tightening them securely. Figure 5

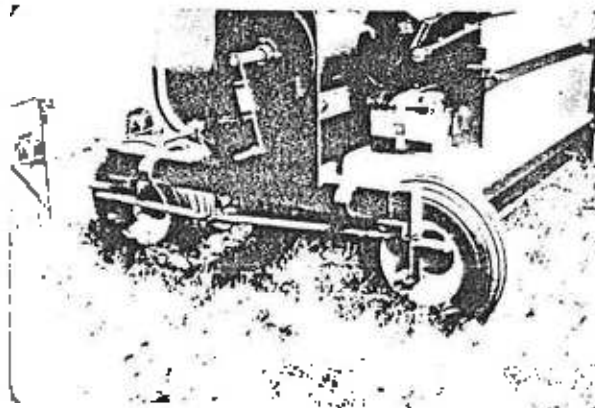


FIGURE 6

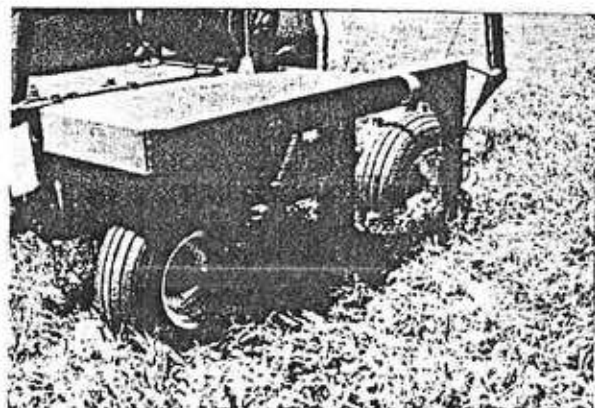
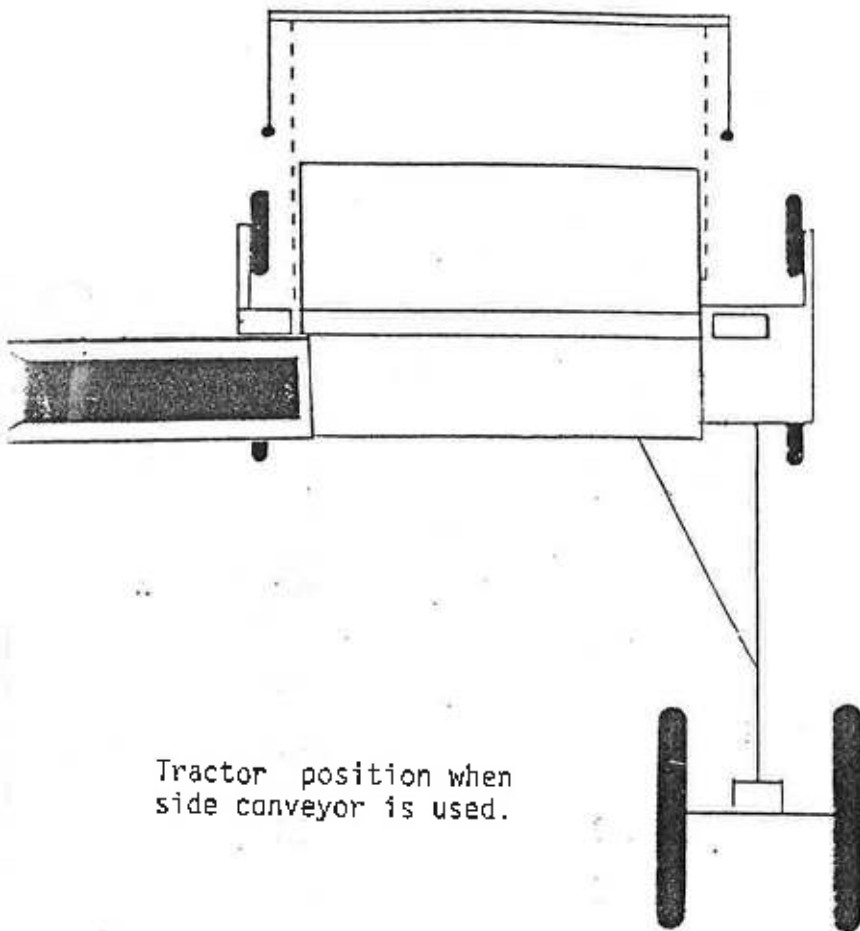


FIGURE 7

D. Connecting the Tractor

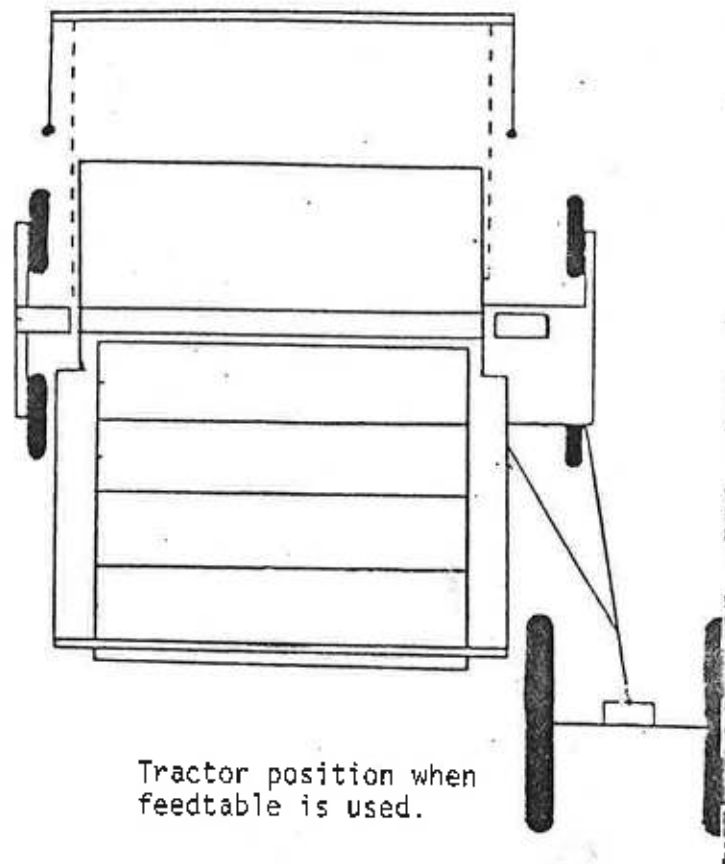
1. Back the tractor into position

FIGURE 8



Tractor position when side conveyor is used.

FIGURE 9



Tractor position when feedtable is used.

2. For side conveyor operation, the tractor will be positioned in front of and left of center of the machine. Figure 8
3. For rear unloading operation the tractor's right wheel (no duals are ever to be used) should be as close as possible to the left side board. Figure 9
4. Adjust the tractor's hitch so it is shoved in as far as possible.
5. Attach the main hitch assembly to the tractor hitch.

E. PTO shaft

1. Remove wing nut on PTO shaft transport bracket and connect PTO shaft to tractor.

F. Lowering feedtable

1. Remove the handle nut which secures the feedtable in transport position. Figure 10. Do not stand under feedtable when removing handle nut and raising and lowering feedtable.

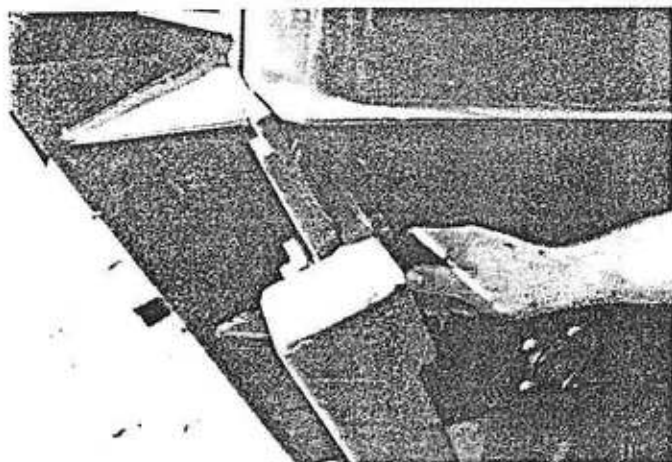


FIGURE 10



FIGURE 11

2. Lower feedtable by engaging variable speed valve and depressing hydraulic valve to operate cylinder. Figure 11
3. Remove upper side boards from transport position and fasten in place on feedtable. Figure 12 & 13

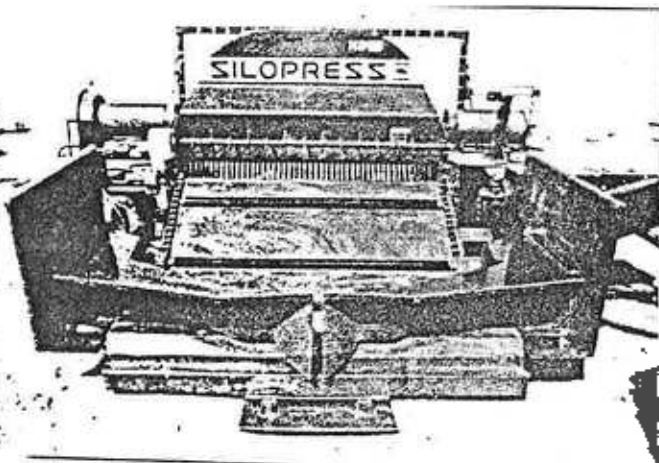


FIGURE 12

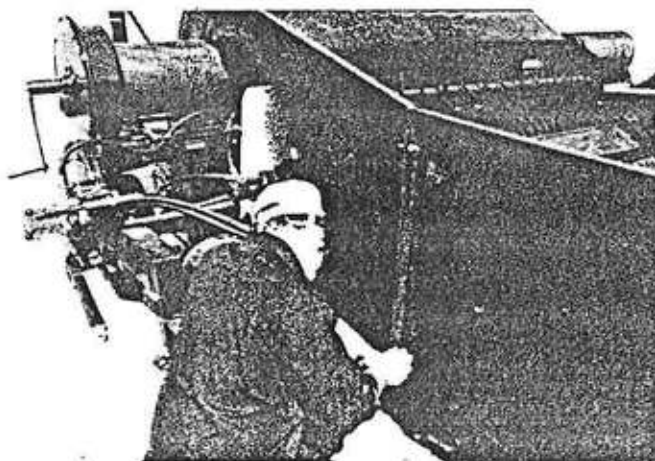


FIGURE 13

G. Side Conveyor or Set-Up Procedure

1. Remove bolt that holds side conveyor in transport position. Figure 14

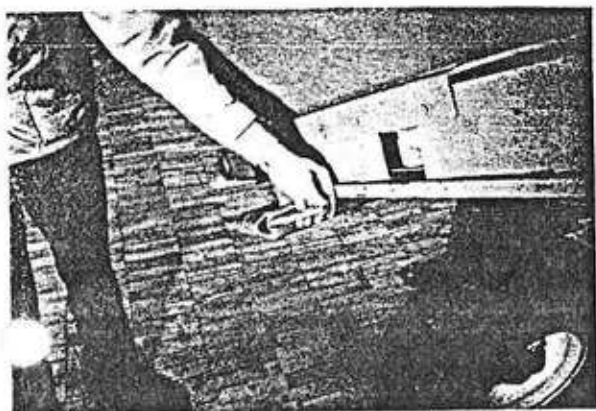


FIGURE 14

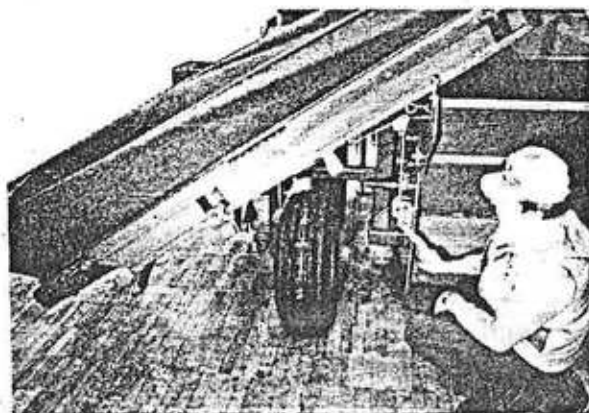


FIGURE 15

2. Lower side conveyor to operating position with winch. Figure 15
3. If machine is not equipped with self-contained package attach hydraulic hoses to tractor.
4. Adjust feed distribution evenly across hopper with feed diverter assembly. Figure 16



FIGURE 16

IV. Mounting the Silobag

- A. The Silobags are available in lengths of approximately 94' or 150'. Both are prefolded and individually boxed for convenience and ease of installation.

NOTE: Follow the instructions included with each Silobag carton for proper installation.

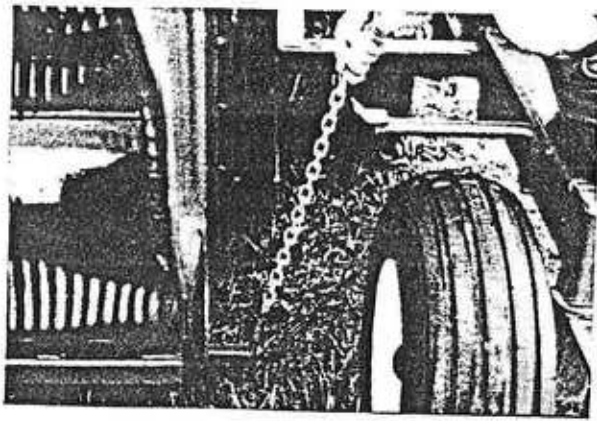


FIGURE 17

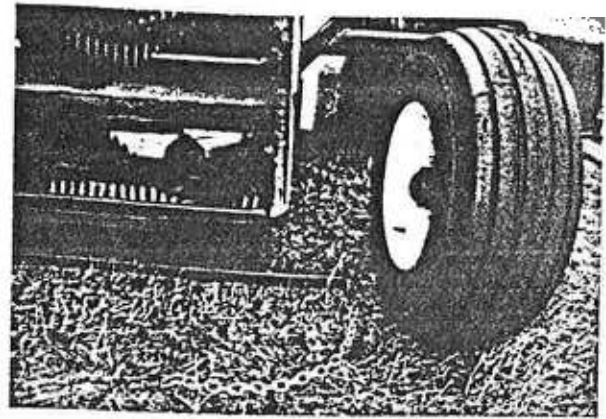


FIGURE 18

- B. Lower the bag pan by disconnecting the chains located on both side of the compacting tunnel. Figure 17.
- C. Remove the Silobag from its carton. Cut the colored cords only. White cords are not cut until the Silobag is mounted on the Silopress.
- D. Unfold the Silobag and lay it out flat between the Silopress and the backstop. The leading cut edge should point toward the backstop with the folded edge toward the Silopress tunnel. The printed insignia should be to one side, with the bottom of the printed lettering away from the center of the Silobag.

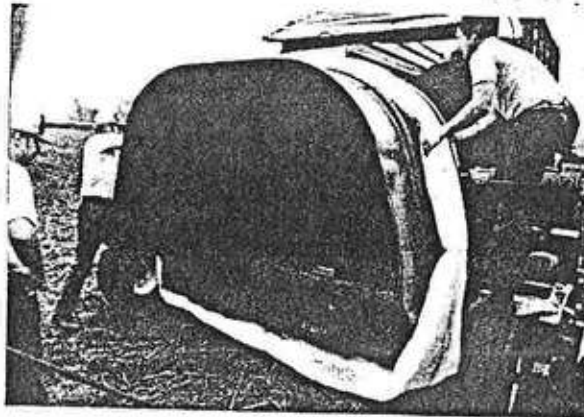


FIGURE 19

- E. Mount the Silobag directly onto the Silopress tunnel. Slide Silobag forward to front of tunnel. If positioned properly the leading edge should point toward the backstop and lettering on the printed insignia will be on the outside, right side up, slightly below eye level. Figure 19
- F. Keep all folds smooth and intact.
- G. With the Silobag in place, cut the strings according to instruction sheet.
- H. Raise the bag pan and reconnect both chains. Be sure it is up against bag but not tight.

- I. Evenly pull out approximately 6 feet of material. Pull Silobag material from the outer folds.
- J. Place the elastic rope up and over the Silobag just to the front side of the middle support rib on the compacting tunnel. Both ends of the rope are to be threaded through the triangular eyes of the bag pan arms and up to support arms. Figure 20

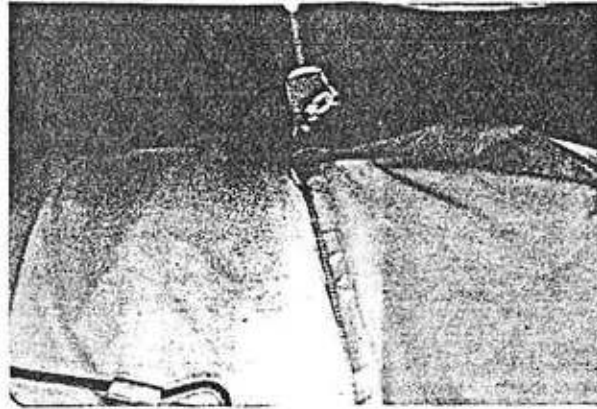


FIGURE 20

V. "Y" Hitch Assembly

- A. Be sure that the 2 (two) pieces of the "Y" hitch are "telescoped" in enough so the PTO shaft will not be over extended.
- B. The "Y" hitch is adjustable so the tractor can be positioned for operation with or without the use of the side conveyor for tractor positioning. See III E

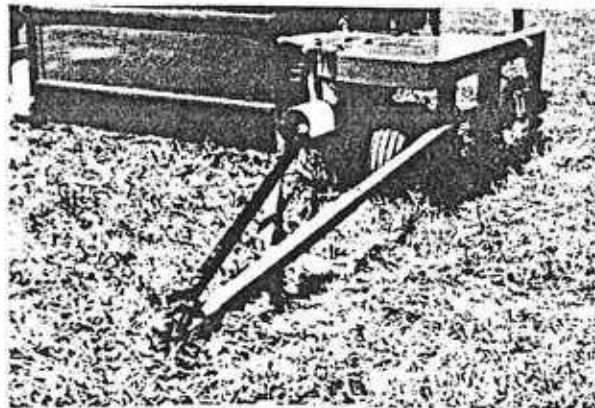
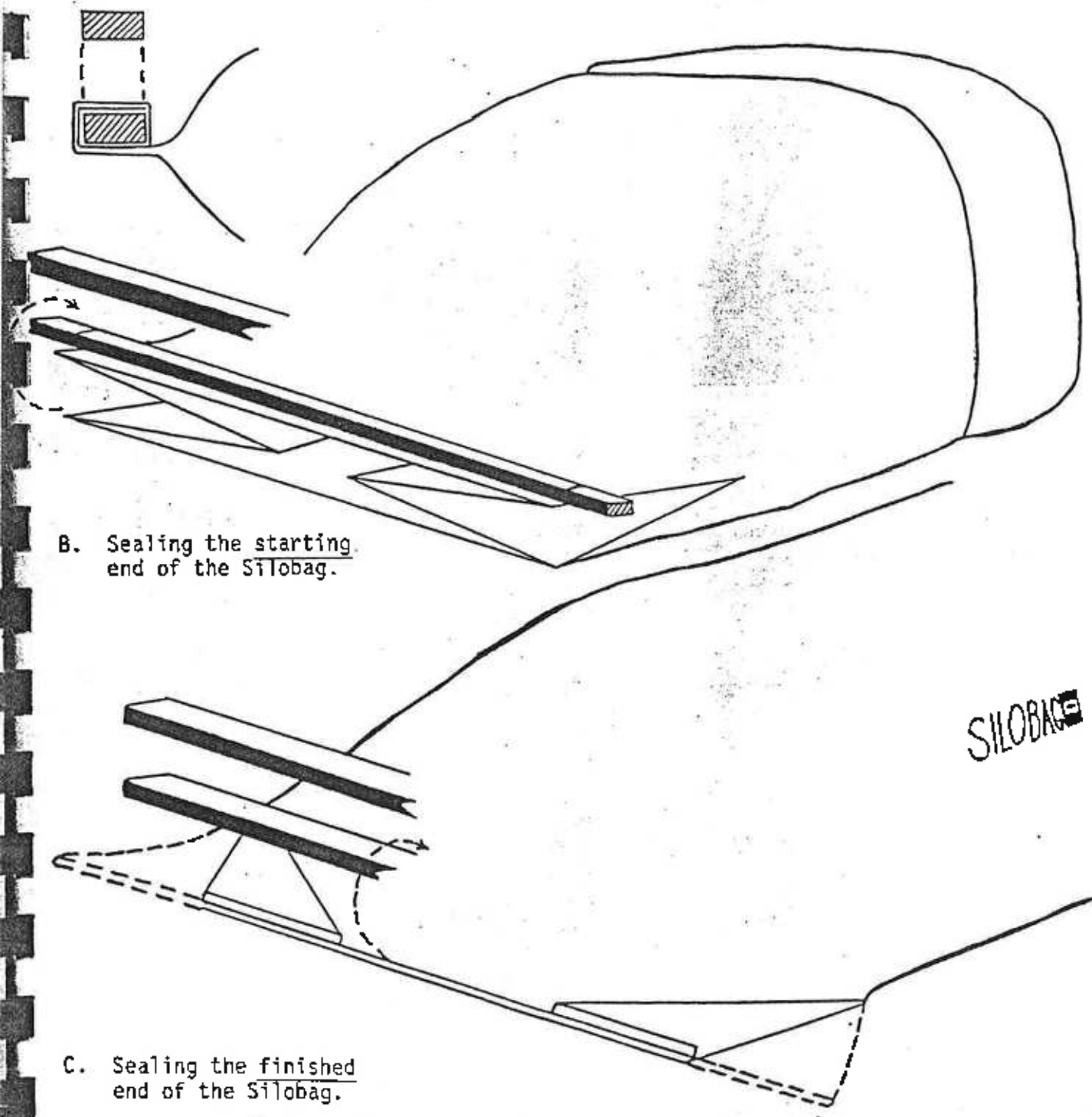


FIGURE 21

VI. Sealing the Silobag



1. Fold side of Silobag as shown in B or C.
2. In either B or C, wrap the bag end at least twice around a 2" x 4" (8' in length for the starting end; 12' in length for the finished end).
3. Use a second board (a 1" x 4" of the same length) to "sandwich" the bag material creating a seal. Use nails every 6" to fasten the boards together. Figure A. After nails are driven, be sure the pointed ends are not exposed.

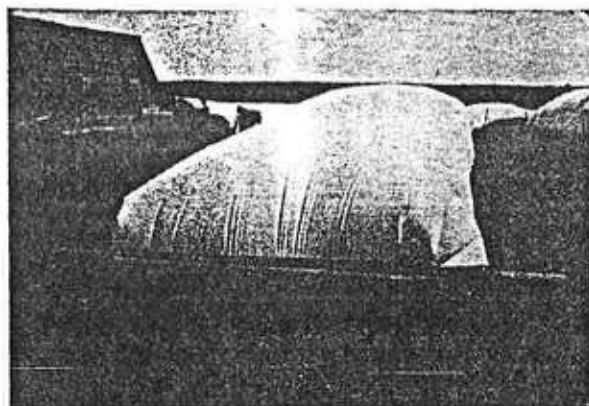


FIGURE 22

NOTE: Seal the finished end of the Silobag IMMEDIATELY AFTER FILLING so that the gases which naturally occur during fermentation do not escape. In many cases, the bag will become inflated as these gases are produced. This is normal and should be no cause for alarm. The gases will be re-absorbed by the feed as it ferments. Figure 22

VII. Attaching the Backstop

- A. Place the backstop so the legs are inside the two back tires and centered behind the tunnel.

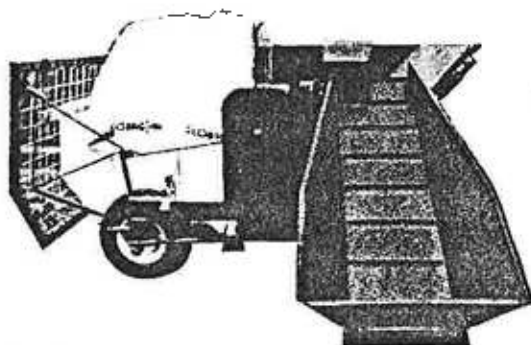


FIGURE 23

- B. Raise the sealed end of the Silobag to the approximate center of the backstop and tie it into place with ropes connected to the upper frame of the backstop. Figure 23

VIII. Connecting the Brake Cables

- A. Pull both cables together and to the same length. Unwind just enough to reach the backstop coupler. Figures 24 & 25
- B. Connect cable eyes to the backstop legs. Figure 26



FIGURE 24

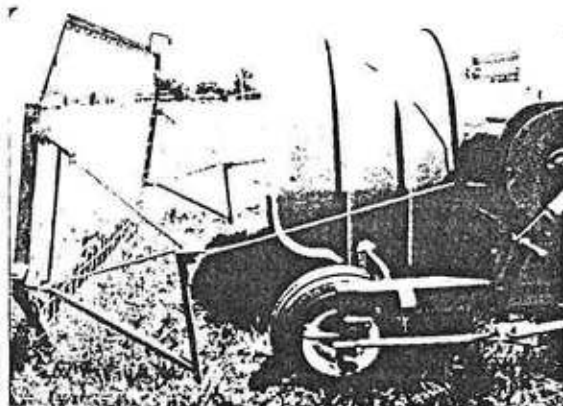


FIGURE 25

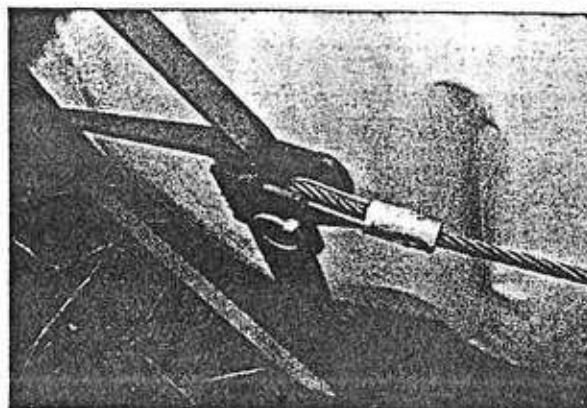


FIGURE 26

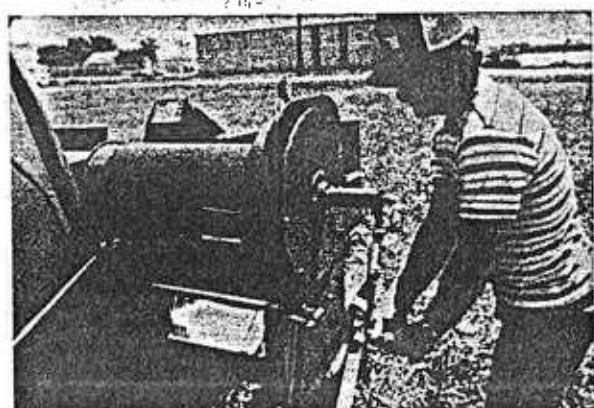


FIGURE 27

- C. Turn hand crank on the cable rewind to take up slack. Pump air pressure in the brake to approximately 60 psi to hold cable drums in place. Figure 27

IX. The Air Brake

- A. The hand pump is used to regulate air pressure inside the air brake. Figure 28
- B. Air pressure required will vary with moisture of feed, length of cut, type of feed and ground surface conditions. Refer to the Silage Material Guide for further information. Generally the pressure used will be between 20 - 80 psi.
- C. Air pressure can be decreased by pressing the end of the valve stem near the gauge. Figure 29

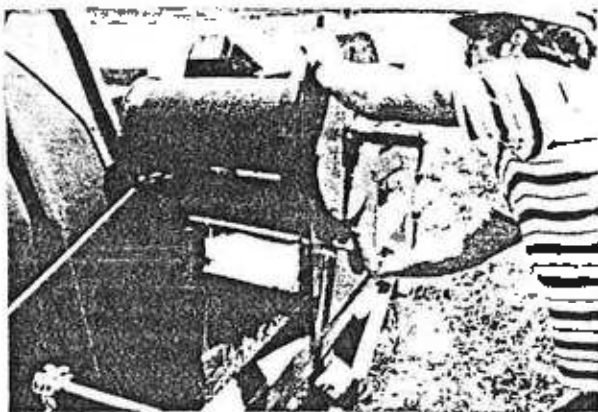


FIGURE 28

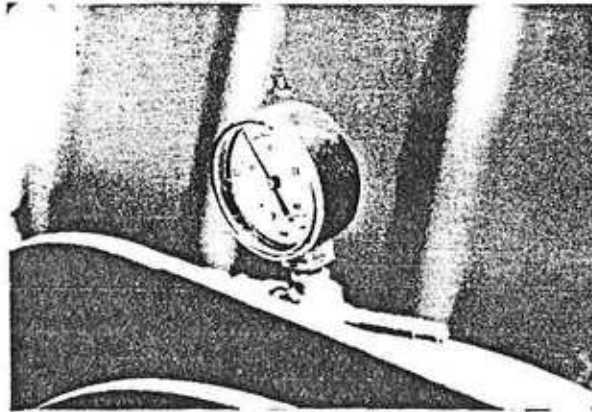


FIGURE 29

X. The Silobag Filling Procedure

- A. Engage the tractor PTO to 540 RPM/1000 RPM.
- B. Load the silage onto the feedtable.
 1. Back up with dump trucks or rear unloading equipment.
 2. Pull side unloading trucks or wagons up to side conveyor.
- C. The Silobag will begin to fill and will move the Silopress slowly forward.
 1. The Silobag should maintain basically the same diameter as the compaction tunnel.
 2. The Silobag should fill so that it fits snugly around the feed.

NOTE: If Silobag bulges excessively - decrease brake pressure.
 If Silobag does not fill out - increase brake pressure.

CAUTION: Do not attempt to overfill the Silobag in order to "get more feed" into the Silobag. Eventual damage to the Silobag may result. Any overfilling of the Silobag will result in a "shortened" bag and stretching or tearing may occur.

XI. Finishing the Silobag

When the Silobag nears completion, a red warning stripe will appear indicating that only 10 feet of the bag remain. The remaining bag material must be used to seal this end of the Silobag.

- A. Disengage PTO and turn off tractor.
- B. Release brake pressure.
- C. Disconnect brake cables from the backstop.
- D. Rewind cables.

NOTE: Each drum is equipped with a cable guide or wind up bracket. These will keep each wrap of the cables tight and intact.

- F. Raise the feedtable about 3 inches from the ground. Be careful not to damage sideboards.
- G. Start tractor and drive slowly forward, pulling the Silopress out of the Silobag until all the folds have slipped off the tunnel.
- H. Seal the finished end of the Silobag. See VI C

XII. Repositioning the Silopress

When the Silopress is slowly drawn out of the Silobag, it can be "driven" to its new operating position.

- A. The feedtable is to be raised about 3 inches for clearance. Be sure not to damage the sideboards when raising the feedtable.
- B. The tractor can be driven straight forward or straight back or turned easily to the left. Extreme caution should be taken when turning to the right so as not to damage the Silopress or the tractor.
 1. The Silopress can be turned counter clockwise (to the left) and prepared to operate back "down" the grade or...
 2. It may be backed down to be next to the original starting point of the first Silobag. This second procedure will eliminate having to move the backstop more than a few feet.
 3. Repeat set up procedure and begin filling the next Silobag.

XIII. Preparation for Transport

Your Silopress is designed for easy transport for short distances. The following steps should be taken to insure safety and reduce possibility of damage to the equipment.

- A. Do not exceed 25 MPH when towing the Silopress.
- B. Upper sideboards should be securely fastened in transport position.
- C. Feedtable and PTO should be raised and locked into place.
- D. Side conveyor must be raised and locked in transport position.
- E. Backstop should be securely fastened into place.
- F. Wheels turned and locked into transport position.
- G. Be sure bag pan is raised and secured.
- H. Reconnect tie-rods to steerable wheels.
- I. Attach draw bar to front of the Silopress and to the truck or tractor.

SILAGE MATERIAL GUIDE

<u>MATERIAL</u>	<u>RECOMMENDED LENGTH OF CUT</u>	<u>MOISTURE</u>	<u>STAGE OF MATURITY</u>	<u>MACHINE PRESSURE</u>
Alfalfa & all legume	1/2" theoretical maximum 2"	60%-70%	1/10 to 1/3 bloom	Begin with air brake at 60 psi. Increase pressure if bag does not completely fill. Decrease pressure if bag expands above the top of the compacting tunnel begins to bulge on the sides or if feed begins to juice.
Grasses	"	"	Pre-blossom stage	"
Whole plant corn	"	"	Late boot stage to early dough stage	"
Cereal grains, such as oats, wheat, barley & rye	"	"	"	"
Corn silage	"	60% & up	Milk to full dent	"
Sorghum silage	"	60% & up	Boot stage	"
Soybean silage	"	60% & up	114 days after emersion or just prior to pods turning brown	"
High moisture corn (cracked, rolled or shelled for best result)		20% & up	Full dent	0 - 20 psi
Dry shelled corn		15% or less	Fully mature	"
Ground ear corn	Fine chop	20%-40%	Milk to full dent	30 - 60 psi
High moisture cereal grains or whole chop and silage.	Fine chop	20%-40%	Dough stage	0 - 20 psi

These are recommended procedures. Actual results may differ due to varying conditions.

TROUBLE SHOOTING

<u>PROBLEM</u>	<u>CAUSE</u>	<u>SOLUTION</u>
Backstop pulling over top of bag.	Beginning brake pressure too low. Bag did not fill to top of tunnel.	Increase brake pressure.
Silobag pushing over top of backstop.	Pressure too high.	Reduce brake pressure.
Folds of Silobag slip off all at once.	top - elastic rope too loose bottom - bag pan too loose	Tighten rope. Push bag forward between pan & tunnel.
Silobag slides backward before Silopress moves forward.	Steep incline and large tractor causing greater pressure than weight of feed in Silobag. Too high brake pressure.	Block backstop with another vehicle or ease PTO tractor forward while bagging until enough feed is inside to hold bag in place.
Excessive bag pressure or Silopress not moving forward.	Brake pressure too high, tractor in park or brake on, tires penetrating soft ground, Silopress high centered.	Lower brake pressure. Take tractor out of park, block up under tires with planks.
Completed Silobag too short.	Bag overfilled taking bag material from length.	Do not try to overfill ; bags.
Airbrake grabs and jerks.	Brake pressure too high or rust or moisture formed around drum.	Reduce pressure. - Cover drum in storage to keep moisture off drum.
Airbrake loses pressure.	Air leak.	Use soapy water to locate and repair.
Silopress not tracking straight.	Wheels not properly aligned. One side of Silopress being fed more than the other side. Too large of tractor and/or hydrostatic transmission.	Align wheels to compensate change in direction. Distribute feed evenly across table. Change tractors.
Low volume of feed in bag.	Too dry feed, chopped too long.	A 5%-10% moisture range can make a considerable difference in storage volume. Drier feeds i.e. 60% will compact differently and at less volume than 70% or 75% moist feeds. Longer chopped feeds will not compact as tightly as fine chopped feeds. Do not compensate with higher pressures.

<u>PROBLEM</u>	<u>CAUSE</u>	<u>SOLUTION</u>
Net humps in bag.	Too dry of feed, too long cut.	Reduce to 2" maximum length, 60% moisture minimum.
Backstop hard to remove.	Net on backstop too loose. Left backstop standing at end of bag too long after releasing cable.	Tighten ropes on net. Remove immediately after releasing tension at bag completion.
Silopress feed intake slow.	Brake pressure too high, silage cut too long, feed bridging in front of rotor.	Lower brake pressure. cut finer, control flow of feed onto feedtable.
Excessive gearbox vibration.	Sprocket on gearbox misaligned to sprocket on rotor. PTO angle too wide. Drive chain too tight.	Re-align sprockets. Move tractor closer to left sideboard. Loosen drive chain.
Silage juicing.	Brake pressure too high on wet feed. Surface water from rain or dew. Dull knives rupture plants.	Lower pressure. Wait until surface moisture is gone. Sharpen knives.
Silage juices seeping out under Silobag.	Holes or rips in Silobag because bag pan is too tight, rough metal edges on surfaces touched by bag or ground surface is puncturing bag.	Reduce pressure on bag pan; check and file rough surfaces on machine where the bag touches; clean or smooth out ground surface where bag is being filled.
Side conveyor runs slowly or chatters.	Tractor hydraulic pump capacity too low, filters dirty or low fluid level.	Change tractor, add oil or change filters.
Excessive vibration of PTO shaft.	PTO shaft over extended. Tractor twisted to right. Angle of PTO too wide.	Shorter drawbar (hitch). Straighten tractor. Reset PTO by sliding the shaft to front of input shaft. Move tractor closer to left sideboard.
Silopress does not trail properly while in transport.	Front steering wheels "toe" out due to damaged or bent tie rod assembly.	Adjust toe straight or slightly inward. Check pressure and inflate or deflate to 50 PSI.

PROBLEM

Moldy and heating feed.

IMPORTANT

NOTE: Most problems with feed and bags are related to moisture level and length of cut. 60%-70% with $\frac{1}{4}$ " length of cut will produce highest quality feed.

Important: Seal the bag properly and keep any holes patched.

CAUSE

Too dry feed, too long cut and too low pressure. Too high pressure on wet feed causing improper ferment. This is referred to as "cold pack."

Holes in bag.

Ends improperly sealed.

Opening bag before feed has become stable.

Dirt in feed.

SOLUTION

Bag minimum 60% moisture with maximum 2" cut and increase brake pressure. Lower pressure with wet feed so it does not juice.

Patch holes.

See manual for sealing instructions.

Leave bag closed 30-45 days after bagging. PH should be 3.8-4.2

Avoid feed coming in contact with ground prior to ensiling.

MAINTENANCE

1. After initial usage (1st Silobag) check all bolts for tightness.
2. Air pressure brake should be covered when storing to reduce rust and dust accumulation.
3. Machine should be thoroughly cleaned and lubricated prior to storage. Corrosive silage acids are harmful to machine.
4. Keep tires inflated to 50 psi.
5. The feedtable should be cleaned out regularly. Raise the feedtable $\frac{2}{3}$ the way up and operate the Silopress. Residual feeds inside the feedtable will slide down to the rotor.

OIL AND LUBRICATION

DAILY

1. Check lubrication level in gearboxes.
2. Oil all drive chains.
3. Grease all bearings.

MONTHLY

Grease all wheel spindles.

Maintenance

Lubrication

To provide proper lubrication for the gears and bearings, Link-Belt Worm Gear Speed Reducers are mounted with the high speed shaft horizontal, and the low speed shaft either horizontal or vertical depending on the type furnished. Other mountings may require factory installed lubrication provisions.

Low speed shaft bearings are grease lubricated at the factory with New York and New Jersey grease number F925, (except type WT which is oil lubricated). Apply grease at lubrication fitting locator 17. A pressure relief fitting indicates when the grease chamber is full. Lubricate these bearings with the type grease listed in Table 1, page 3, and at the intervals shown in Table 2, page 3.

The grade of oil to be used in any speed reducer will vary with the ambient temperature under which it will operate. Determine proper lubricant number by referring to the worm reducer nameplate or to Table 3, page 3. Then refer to Table 4, page 4, for trade names of typical oils meeting AGMA recommendations. Remove oil level plug. Add oil to reducer until oil begins to run out of plug hole. Replace plug. To determine **Approximate** amount of oil required, see Table 5, pages 4 and 5.

For maximum protection, check the oil level periodically while the speed reducer is **Not Operating**. Be sure level is maintained. Excessive oil can result in oil leakage and overheating, while insufficient oil can result in damage to rotating parts. During the run-in period, operating temperatures will be somewhat above normal. Maximum efficiency operation will be attained after a period of full load operation and resulting full tooth contact. Slight gear tooth run-in may be evident after initial operating period. This condition is normal and results in full gear tooth-worm thread contact.

To dispose of initial field run-in particles, drain and flush housing after the first 150 hours of operation.

Refer to Table 3, page 3, or the reducer nameplate for subsequent oil change periods and grade of lubricant.

Warning: Never remove breather or oil level indicator while the worm reducer is in operation, or personal injury may result. Check only when reducer is not operating.

PREPARING THE SILOPRESS GEARBOX FOR OUTDOOR AND LONG TERM STORAGE

It is always preferable to store the Silopress indoors. When this is not possible or when storage is for periods longer than one year, follow these instructions.

The gearbox should never be completely exposed to elements but must be covered in some manner.

1. Remove plug from breather hole and attach a sufficient length of pipe to extend above the highest part of the gearbox.
2. Cap the pipe (pipe cap should be drilled and tapped for alemite fitting) and install alemite #317400 fitting to relieve potential internal pressure.
3. Fill gearbox completely with a heavy rust preventative such as Gulf Ro-Rust Engine Oil, Grade 3, which conforms to Military Specification MIL-L-21250.
4. At least every three months rotate input shaft to be sure output shaft rotates more than one revolution.
5. At least every three months check unit for water condensation by removing lowest drain plug and allowing small amount of oil to drain from unit and all water that may have collected at bottom of gearbox.
6. Check all exposed fittings and shaft every three months for integrity of the protective coating. Reapply coating if required, to prevent possible corrosion of shafts.

Table 1 • Grease lubricants for bearings

Operating Conditions	Manufacturer	Brand Name
No moisture Ambient Temperature 32° to 125°F	Amoco Arco Exxon Gulf Mobil Texaco	Rykon 2 Litholine HEP 2 Unirex N2 Gulf Crown EP-2 Mobilux 2 Regal AFB-2
Heavy condensation and Direct Water Splash	Amoco Arco Exxon Gulf Mobil Texaco	Rykon 2EP Litholine HEP 2 Ronex WB Gulf Hightemp Mobilux EP-1 Marfak 1
Ambient Temperature minus 40° to plus 32°F	Amoco Arco Exxon Gulf Mobil Texaco	Rykon 1 Litholine HEP 1 Unirex N2 Gulf Crown EP-1 Mobil-Temp-1 Multifak EP-1

Table 2 • Grease lubrication intervals

Operating conditions	Operating temperature of bearings	Greasing intervals
Fairly clean	Up to 120°F.	6 to 12 months
Fairly clean	120° to 160°F.	1 to 2 months
Fairly clean	160° to 200°F.	1 to 4 weeks
Moderately to extremely dirty	Up to 160°F.	1 to 4 weeks
	160° to 200°F.	1 week
Cold storage room		Every defrosting period or no longer than 4 months
Heavy moisture and water splash		1 week

Table 3 • AGMA lubricant numbers and change periods for gearing

Unit size	AGMA lubricant number			Oil change hours	
	Ambient Temperature			Initial	Periodic
	Below 15°F	15° to 60°F	50° to 125°F		
Up to 145mm ctrs. & 1750 rpm 145mm to 14" ctrs. & up to 450 rpm	6EP	7 comp.	8 comp.	150	2,500
145mm to 14" ctrs. 450 to 1750 rpm	6EP	7 comp.	7 comp.		

AGMA lubricant numbers appear on individual nameplates attached to speed reducers.

Pour point of lubricant must be less than ambient temperature.

For low temperature applications where widely varied seasonal temperature changes occur, it is recommended that oil be changed according to ambient conditions.

Table 4 • Typical oils meeting AGMA recommendations

Company	Trade name		
	AGMA No. 6 EP	AGMA No. 7 comp.	AGMA No. 8 comp.
Amoco	Amogear EP4 Permagear EP110	American wormgear oil	American wormgear oil
Arco	Pennant NL or EP S-1500	Modoc 135	Modoc 165
Exxon	Spartan EP320	Cylsestic TK140	Cylsestic TK180
Gulf	EP lub S120	Transgear 140	Transgear 175
Mobil	Mobilgear 632	600W cylinder oil	600W super cylinder oil
Texaco	Meropa 320	Vanguard cylinder oil	Honor cylinder oil

Table 5 • Approximate oil capacities* — U.S. gallons

Single reduction worm gear speed reducers

Reducer Size	Metric worm reducers — single reduction		
	Type S-B (worm bottom)	Type S-T (worm top)	Type S-V (vertical output shaft)
74	1/4	3/4	1/2
85	1/4	1	3/4
100	1/2	1 1/4	1
120	3/4	1 1/2	1 1/4
145	3/4	2 1/2	1 1/2
175	1 1/4	3 3/4	3
(210)	1 1/4	5 1/2	4
250	2 1/4	7 3/4	5 1/4
Reducer Size	Large worm reducers — single reduction		
	Type WB (worm bottom)	Type WT (worm top)	Type WV (vertical output shaft)
1200	2 1/2	6 1/4	5 1/2
1400	7	—	14

*The approximate oil capacities listed in this table are for reference only, to help you determine how much oil to provide for each reducer. The proper amount of oil for each specific reducer can be correctly added by removing the oil level plug and adding oil until oil begins to run out of the plug hole. Replace plug. Oil capacities listed are for horizontal, floor mounted reducers only. For wall, ceiling or angle mounting, capacities will vary.


Maintenance Service Record

The following maintenance record form is for your convenience and should be kept up to date and made part of your permanent maintenance records.

Maintenance Record

Reducer Type & Size _____ Model No. _____

Serial No. _____ Ratio _____

Date	Maintenance to be Performed	Hours of Operation	Remarks
	Fill with proper grade oil and check for correct oil level	Start up	
	Initial oil change	150	
	First periodic oil change	2,500	
	Second periodic oil change	5,000	
	Third periodic oil change	7,500	
	Fourth periodic oil change	10,000	
	Fifth periodic oil change	12,500	
	Sixth periodic oil change	15,000	
	Seventh periodic oil change	17,500	

TROUBLE SHOOTING FOR FMC GEARBOX TYPE S 210

Condition	Cause		Remedy
Overheating	Overloading	Load exceeds capacity of reducer. Reducer operating in excess of thermal HP rating.	Compare thermal HP rating with actual load. Replace with reducer of sufficient capacity, or reduce load.
	Improper lubrication	Insufficient oil or grease.	Adjust oil level, see page 2. Add grease until it comes out of pressure relief fitting.
		Too much oil in reducer causes churning, and excessive heat is generated by the fluid friction of the churning oil.	Drain oil to correct level.
		Clogged oil passages.	Make sure all oil passages are clear and permit free flow of lubricant.
		Wrong grade of oil or grease.	Flush and refill with correct grade of oil or grease as specified in Tables 1, 2 and 3.
		Forced lubrication and oil cooling systems on high speed reducers may be clogged.	Inspect oil lines, pressure regulators, nozzles, and filters to be sure they are free of obstructions and are in good working order. If foreign material is found, clean and flush reducer thoroughly, and add new oil.
		Obstructed air flow.	Check air supply for proper fan circulation. Avoid high surrounding ambient temperatures.
		Incorrect shaft end play.	Check bearing adjustment. Shim to proper recommended fit.
Noise and vibration	Loose foundation bolts	Improper installation.	Check mounting bolts and tighten if necessary. If reducer is mounted on studs, inspect each stud for rigidity. Use lock washers on all bolts or studs.
	Loose parts	Excessive backlash or shaft end play.	Check for worn bearings, gears and proper shimming.
		Excessive shock loads or improper connection with other machinery.	Inspect reducer for broken parts, loose bolts, nuts, and screws. Replace broken lockwire. Check all keys for proper size and fit.
	Failing bearings	Wear, evident from dullness of balls, rollers, and raceways. Wear of bearing is caused by dirt in oil.	Replace worn bearings. Clean and flush reducer and replace oil.
		Spalling or flaking-out of metal in raceways usually indicates overloading.	Replace bearings. Check and remedy bearing clearances, coupling alignment, and loading of reducer, including overhung loads.
		Failed separators, caused by overload on bearings.	
	Excessively worn gears	Overloading causes pitting of tooth faces.	Check load. Reduce load or replace with reducer of sufficient capacity.
	Insufficient oil	A low oil level reduces the natural muffling effect of the oil.	Oil should be at a level between high and low points on oil gauge.
Excessive shaft end play	Worn bearings	Excessively high speeds	Check recommended speed range. Reduce speed or install a unit with sufficient speed range.
		Bearing exposure to an abrasive causes wear of the balls, rollers, and raceways.	Worn bearing rollers and raceways have a dull appearance. Replace worn bearings. Clean and flush reducer and replace oil. See End Play Table.
Excessive backlash or slack	Worn gears or loose parts	Worn gears and keys, or loose fasteners, such as screws, bolts or nuts cause backlash. Backlash increases with the number of gear sets; consequently, backlash is normally greater in double reduction reducers.	Replace worn gears and keys. Tighten loose screws, bolts, or nuts.
Oil leakage		Leakage between housing and cover.	Tighten cover bolts. If this does not remedy the condition, remove housing cover, clean both surfaces, and apply new seating compound per instructions.
		Too much oil.	Check oil level and drain to proper level.
		Clogged breather.	Clean breather and breather hole, being careful to prevent any dirt from falling into reducer.
		Damaged oil seals.	Replace with new seals.

SILOPRESS XPIII PARTS LIST

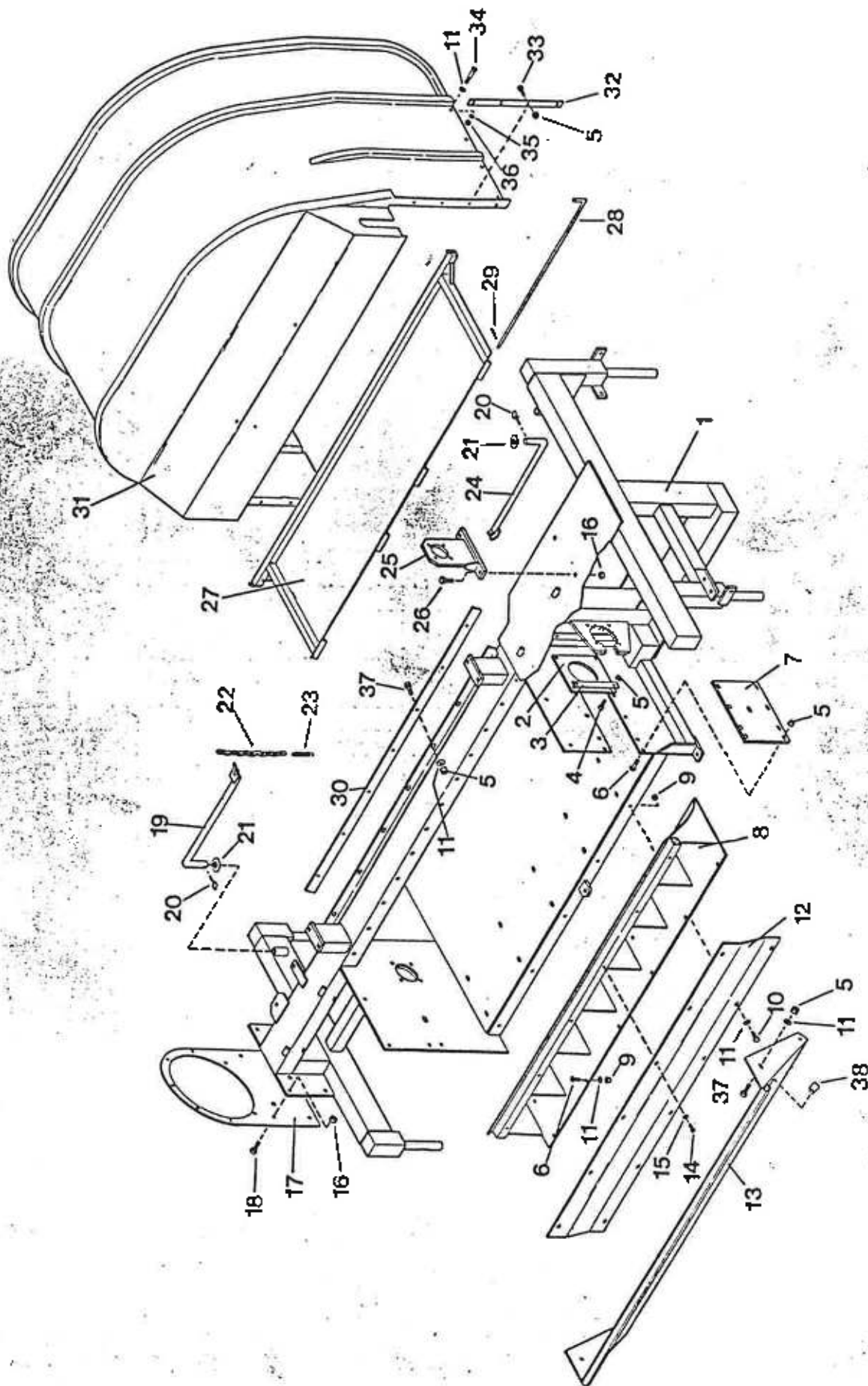
IMPORTANT

WHEN ORDERING PARTS FOR YOUR SILOPRESS,
REFER TO THE DIAGRAMS AND PART NUMBERS
IN THIS SECTION TO INSURE CORRECT
SHIPMENTS AND EFFICIENT SERVICE.

TABLE OF CONTENTS

Main Frame Group	27
Side Conveyor Support Assembly	29
Rotor And Drum Group	30
Front Axel Assembly	32
Rear Axel Assembly	33
Main Hitch Group	34
Adjustable Hitch	35
Air Pump Assembly	36
Gearbox Drive Group	37
Backstop Assembly	38
Side Conveyor Assembly	40
Power Take Off Shaft Assembly	42

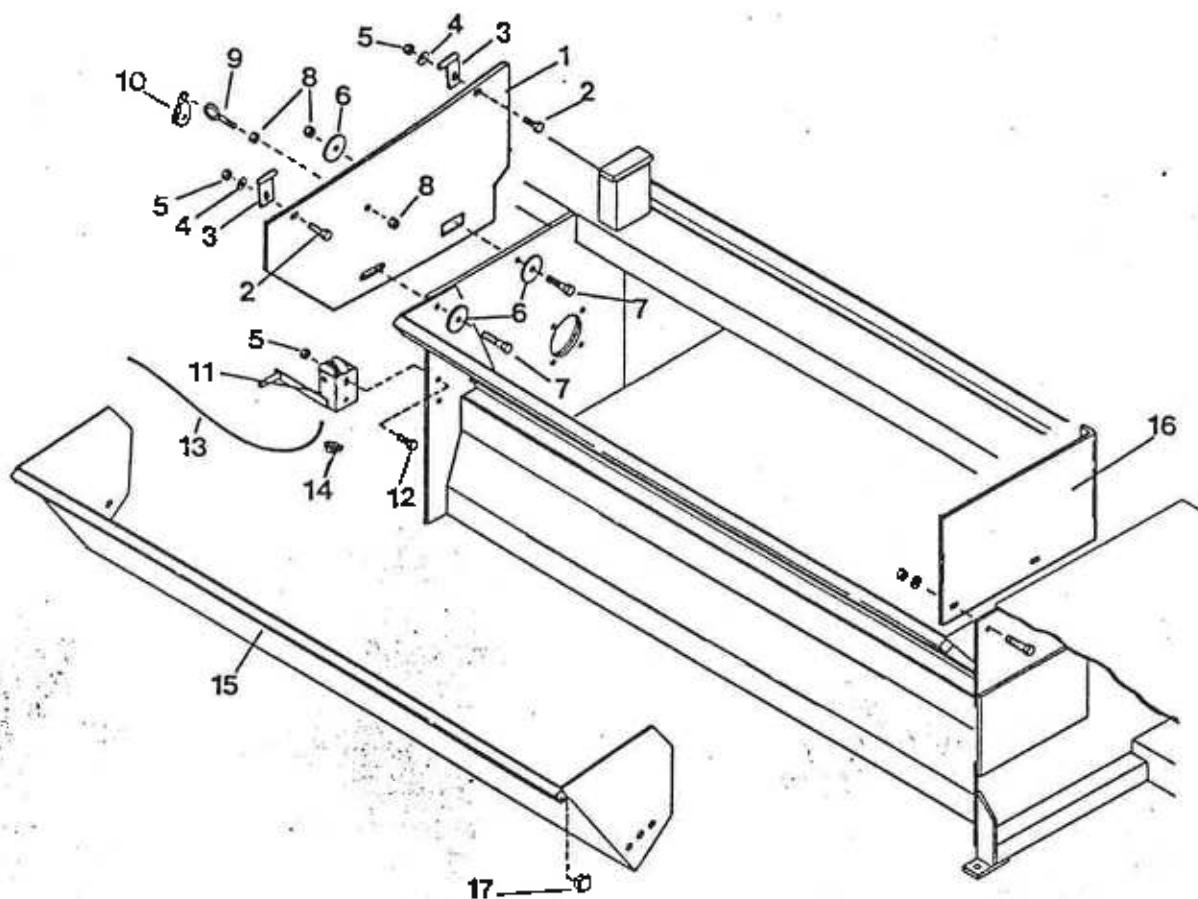
MAIN FRAME GROUP



N - N₂&
H - HAVE

MAIN FRAME GROUP

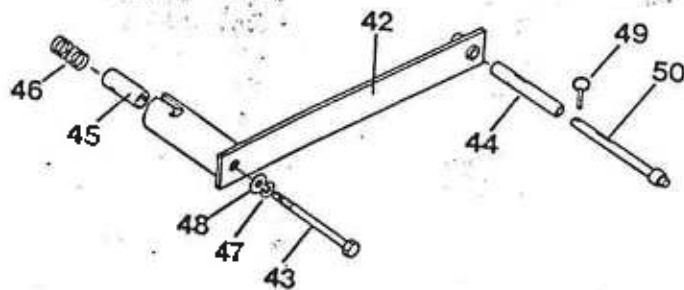
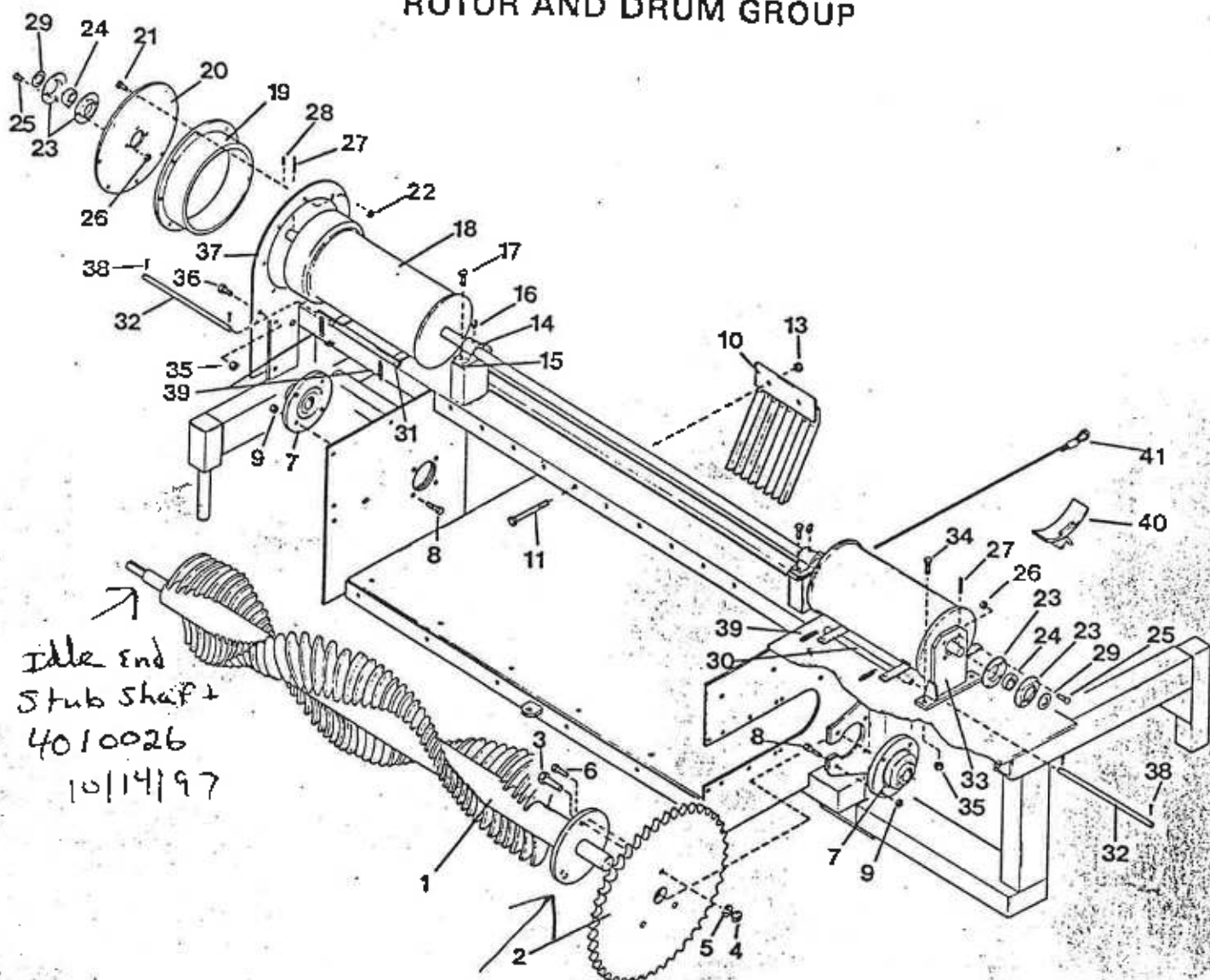
REF.	PART NO.	DESCRIPTION	QTY.
1 ✓	1319210	MAIN FRAME	1
2 H	1260101	ROTOR BELTING	1
3 H	1310182	BAR	2
4	4523110	CAPSCREW, 1/2" x 1 1/4", Gr. 2	4
5	4513013	LOCKNUT, 1/2" Flanged	36
6	4500008	CARRIAGE BOLT, 1/2" x 1 1/4", Gr. 2	13
7 H	1310310	SIDE PLATE	11
8	1319217	FEED GUIDE ASSEMBLY	1
9	4512013	LOCKNUT, 3/8"	6
10	4522112	CAPSCREW, 3/8" x 1"	6
11	3610512	FLAT WASHER, 1/2"	24
12	1310312	FEED GUIDE COVER	1
13	1319219	LOWER HOPPER	1
14	4523616	SELF TAPPING SCREW, 5/16" x 3/4"	6
15	3610302	FLAT WASHER, 5/16"	6
16	4514012	LOCKNUT, 3/4"	6
17	1310306	CABLE DRUM BRAKE PLATE	1
18	4524111	CAPSCREW, 3/4" x 1 1/2"	4
19	1319013	SUPPORT - RIGHT	1
20	4582001	KLIK PIN, 1/4"	2
21	3611312	FLAT WASHER, 1 1/4" - Plated	2
22	1260015	CHAIN	2
23	6400019	SPRING	2
24	1319128	SUPPORT - LEFT	1
25	1319232	CABLE DRUM SUPPORT PLATE	1
26	4524112	CAPSCREW, 3/4" x 2"	2
27	1389106	BAG PAN	1
28	1380011	BAG PAN ROD	2
29	4591100	CLIP PIN, 3/32" x 1-9/16"	2
30	1310304	FIBERGLASS BACKING BAR	1
31	1280153	TUNNEL	1
32	1340100	BAR	2
33	4523111	CAPSCREW, 1/2" x 1 1/2"	8
34	4502515	BUTTONHEAD BOLT, 1/2" x 3"	8
35	3620514	LOCK WASHER, 1/2"	8
36	4513011	NUT, HEX, 1/2"	8
37	4523110	CAPSCREW, 1/2" x 1 1/4"	11
38	1280159	PLASTIC TUBE PLUG, 1 1/2" Square	2



SIDE CONVEYOR SUPPORT ASSEMBLY

REF.	PART NO.	DESCRIPTION	QTY.
1	1390258	SIDE CONVEYOR SUPPORT PLATE	1
2	4522112	CAPSCREW, 3/8" x 1"	2
3	1399160	SIDE CONVEYOR SUPPORT GUIDE	2
4	3610402	FLAT WASHER, 3/8"	4
5	4512013	LOCKNUT, 3/8"	4
6	1390244	WASHER, 4" OD	2
7	4523211	CAPSCREW, 1/2" x 2"	2
8	4513014	LOCKNUT, 1/2"	3
9	1280156	EYEBOLT, 1/2" x 2"	1
10	1280150	ROPE PULLEY	1
11	1200039	WINCH, DL500	1
12	4522120	CAPSCREW, 3/8" x 1 1/4"	2
13	6100001	CABLE, 3/16" x 10'	1
14	4551001	CABLE CLAMP, 3/16"	1
15	1319220	UPPER HOPPER ASSEMBLY	1
16	1390259	LEFT SIDEPLATE EXTENSION	1
17	1280159	PLASTIC TUBE PLUG, 1 1/2" Square	2

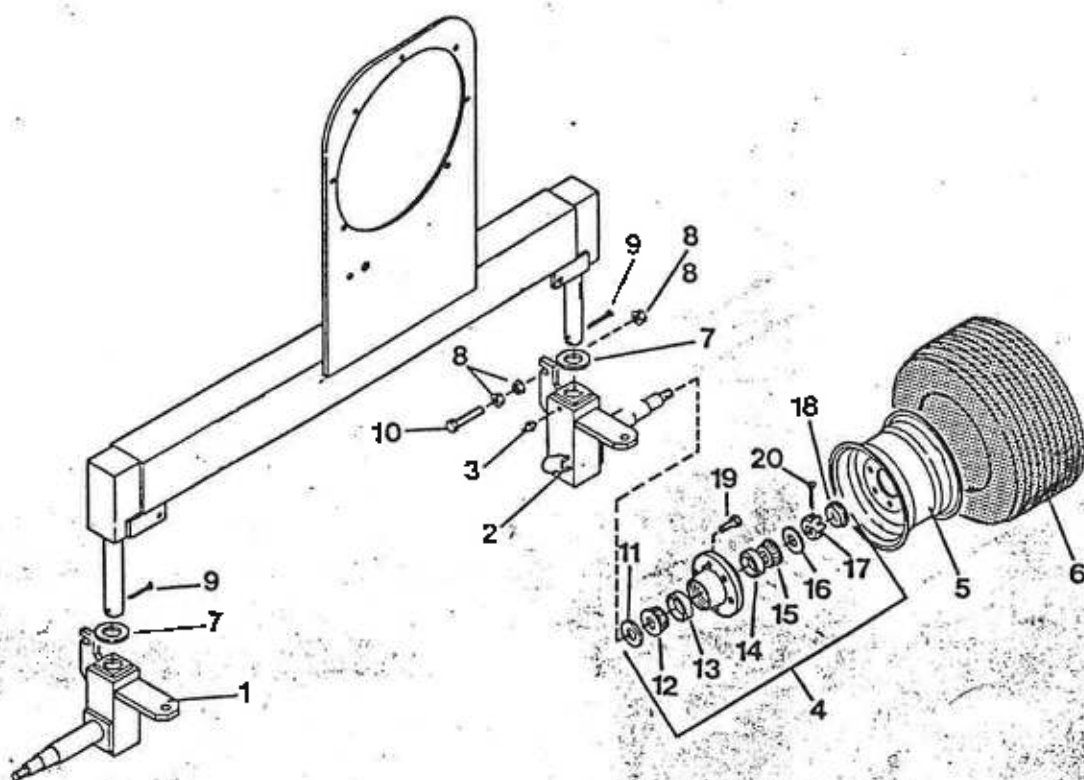
ROTOR AND DRUM GROUP



ROTOR AND DRUM GROUP

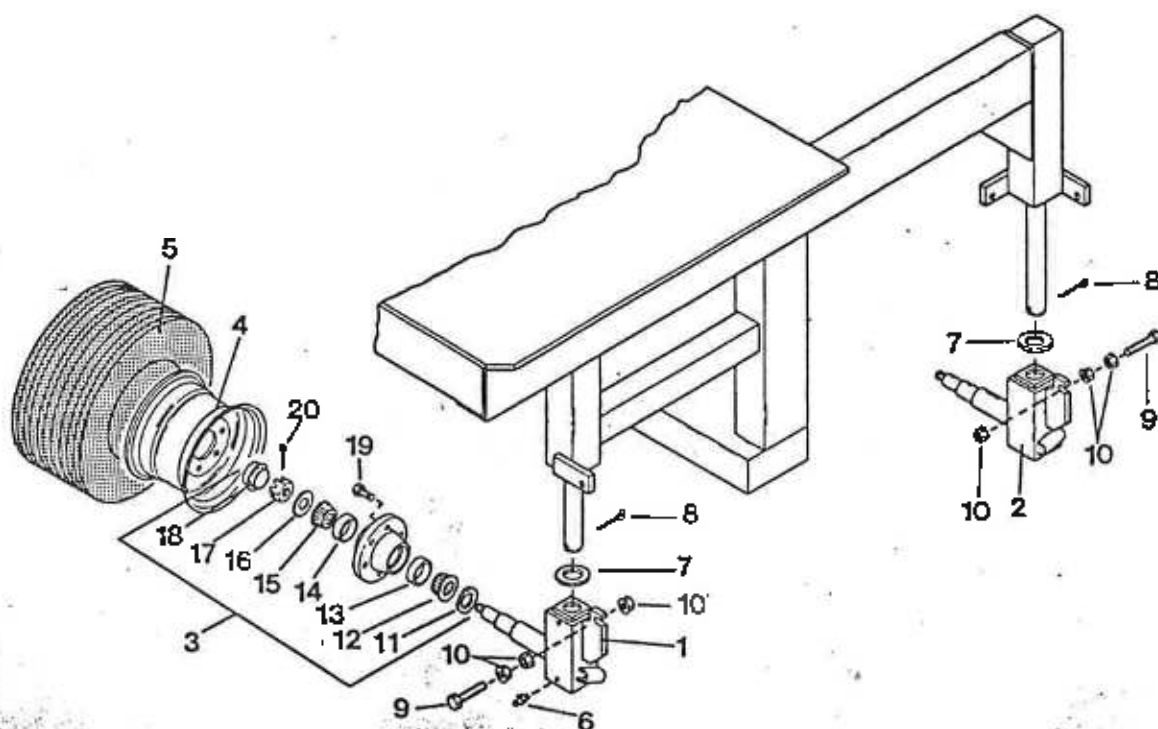
REF.	PART NO.	DESCRIPTION	QTY.
1	1319215	ROTOR	1
2	1260033	SPROCKET, 160A45	1
3	4525340	CAPSCREW, 1" x 3 1/2"	3
4	4515011	NUT, 1"	3
5	3620006	LOCK WASHER, 1"	3
6	4524113	CAPSCREW, 3/4" NF x 2"	3
7	4000055-	ROTOR BEARING <i>FCB 22440-A 2 1/2"</i>	2
8	4523212	CAPSCREW, 1/2" x 2 1/2"	8
9	4513014	LOCKNUT, 1/2"	8
10	1339003	GRATE	6
11	4523443	CAPSCREW, 5/8" x 9"	12
13	4516033	LOCKNUT, 5/8"	12
14	4000052	JOURNAL BEARING	2
15	1360025	SHIM	2
16	4500035	GREASE FITTING, 67° - 1/4"	2
17	4523111	CAPSCREW, 1/2" x 1 1/2"	4
18	1369102	CABLE DRUM	1
19	<u>1200004</u>	AIR BRAKE <i>14CB400</i>	1
20	1310610	BRAKE COVER PLATE	1
21	4522117	CAPSCREW, 3/8" x 1 1/2"	7
22	4512013	LOCKNUT, 3/8"	7
23	6300009	FLANGETTE	4
24	4000024	BEARING	2
25	4500008	CARRIAGE BOLT, 1/2" x 1 1/4"	8
26	4513014	LOCKNUT, 1/2"	8
27	4572205	ROLL PIN, 3/8" x 2 3/4"	1
28	4572207	ROLL PIN, 3/8" x 1"	1
29	3611732	WASHER	4
30	1369100	LEFT CABLE TENSIONER	1
31	1369101	RIGHT CABLE TENSIONER	1
32	1310181	TENSIONER PIN, 1/2" x 20 1/2"	2
33	1319232	CABLE DRUM SUPPORT PLATE	1
34	4524112	CAPSCREW, 3/4" x 2", Gr. 2	2
35	4514012	LOCKNUT, 3/4"	6
36	4524111	CAPSCREW, 3/4" x 1 1/2"	4
37	1310306	CABLE DRUM BRAKE PLATE	1
38	4561103	COTTER KEY, 1/8" x 1 1/4"	4
39	6400012	SPRING	4
40	1369007	WINDUP BRACKET	2
41	1260006	CABLE, w/swaged ends, 7/16"	2
42	1260313	REWIND HANDLE ASSEMBLY	1
43	4523311	CAPSCREW, 1/2" x 4"	1
44	1380139	PIPE, 1/2" x 4-7/16" lg.	1
45	1380136	SPACER PIPE, 1" x 2 5/8" lg.	1
46	6400023	SPRING	1
47	3620514	LOCKWASHER, 1/2"	1
48	3610512	FLAT WASHER, 1/2"	1
49	4582004	KLIK PIN, 3/16"	1
50	1389121	PIN	1

Type CB
145087-3A
145087-3A
15000421
How
15000421



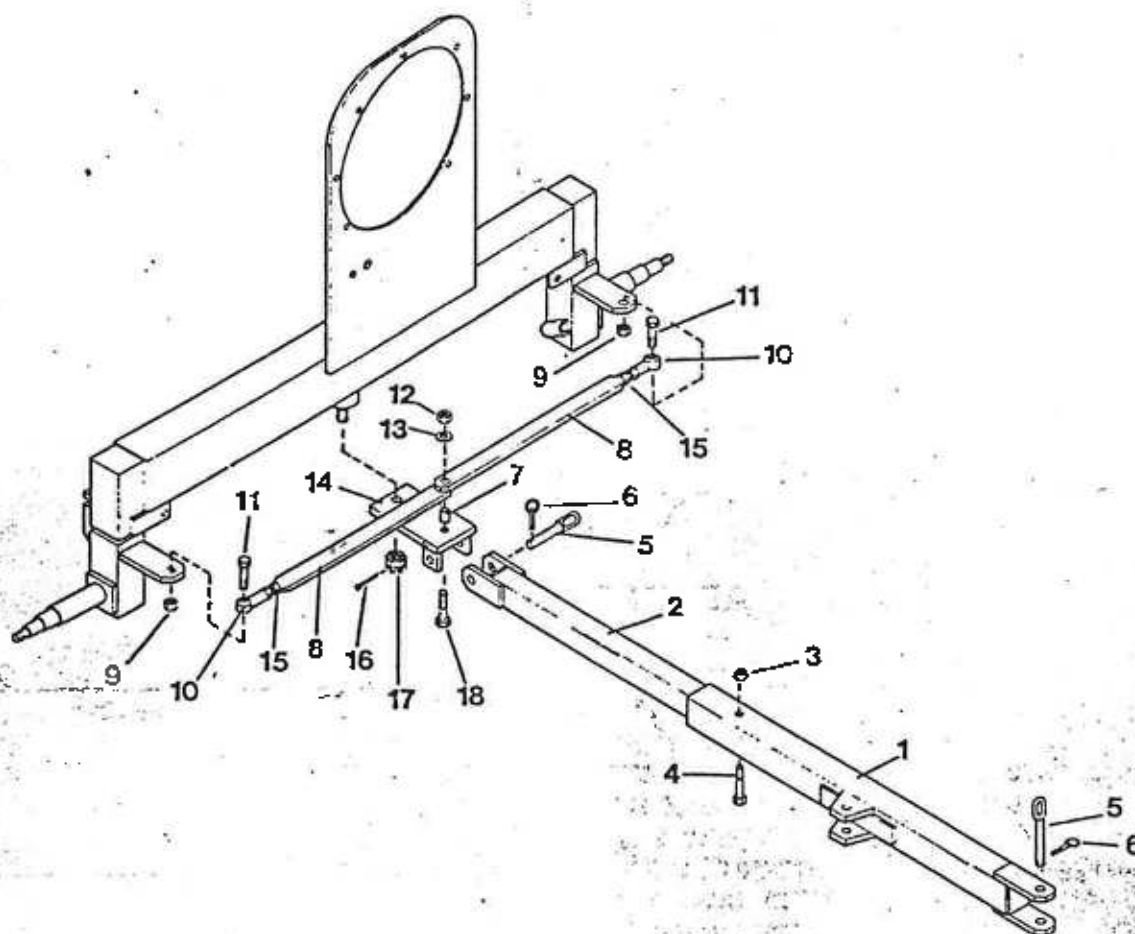
FRONT AXLE ASSEMBLY

REF.	PART NO.	DESCRIPTION	QTY.
1	1329109	LOWER RIGHT FRONT AXLE	1
2	1329108	LOWER LEFT FRONT AXLE	1
3	4500029	GREASE FITTING, 1/8" DRIVE IN	4
4	5290004	HUB ASSEMBLY, Q875	2
5	4216701	WHEEL, 8 x 14, 6 Bolt	2
6	4321000	TIRE, 9.5L-14, 6 Ply - Tubeless	2
7	3612112	WASHER, 2-1/16" ID x 3 1/2" OD	2
8	4513011	LOCKNUT, 1/2 Flanged	2
9	4561201	COTTER KEY, 3/16" x 2 1/2"	2
10	4523618	CAPSCREW, 1/2" x 3 1/2"	2
11	6900007	SEAL for Q875 Hub	1
12	4000022	CONE, bearing - INNER 25590, for Q875 Hub	1
13	4000020	CUP, bearing - INNER 25520, for Q875 Hub	1
14	4000021	CUP, bearing - OUTER 25821, for Q875 Hub	1
15	4000023	CONE, bearing - OUTER 25877, for Q875 Hub	1
16	3610911	WASHER, spindle 7/8"	1
17	4514033	CASTLE NUT, 7/8" SAE	1
18	5900003	DUST CAP	1
19	4523348	WHEEL STUD	6
20	4561102	COTTER KEY, 5/32" x 1 1/4"	1



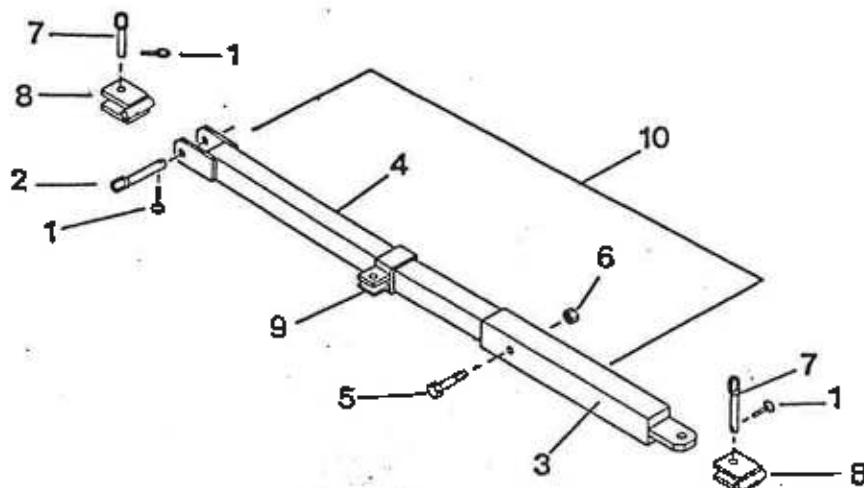
REAR AXLE ASSEMBLY

REF.	PART NO.	DESCRIPTION	QTY.
1	1329110	LOWER LEFT REAR AXLE	1
2	1329111	LOWER RIGHT REAR AXLE	1
3	5290004	HUB ASSEMBLY, Q-875	2
4	4216701	WHEEL, 8 x 14, 6-Bolt	2
5	4321000	TIRE, 9.5L x 14, 6-Ply - Tubeless	2
6	4500029	GREASE FITTING, 1/8" DRIVE IN	4
7	3612112	WASHER, 2-1/16" ID x 3 1/2" OD	2
8	4561201	COTTER KEY, 3/16" x 2 1/2"	2
9	4523618	CAPSCREW, 1/2" x 3 1/2"	2
10	4513011	LOCKNUT, 1/2" FLANGED	2
11	6900007	SEAL for Q875 Hub	1
12	4000022	CONE, bearing - INNER 25590, for Q875 Hub	1
13	4000020	CUP, bearing - INNER 25520, for Q875 Hub	1
14	4000021	CUP, bearing - OUTER 25821, for Q875 Hub	1
15	4000023	CONE, bearing - OUTER 25877, for Q875 Hub	1
16	3610911	WASHER, spindle 7/8"	1
17	4514033	CASTLE NUT, 7/8" SAE	1
18	5900003	DUST CAP	1
19	4523348	WHEEL STUD	6
20	4561102	COTTER KEY, 5/32" x 1 1/4"	1



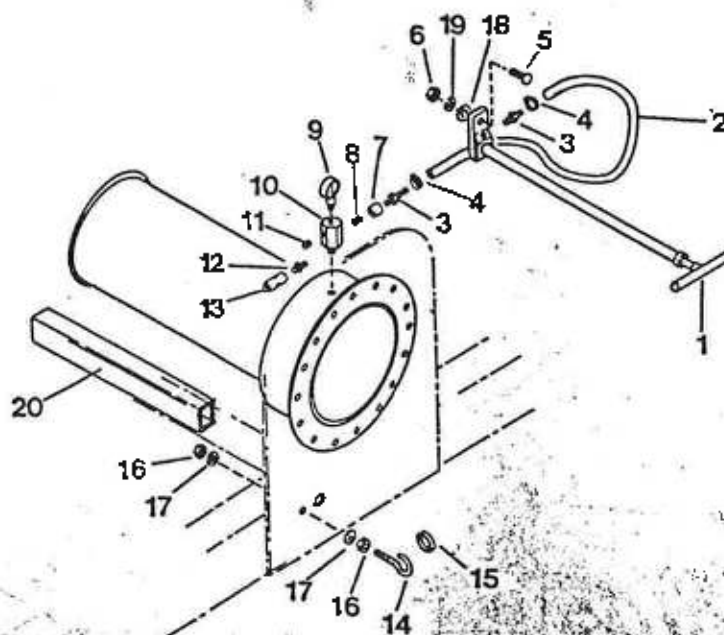
MAIN HITCH GROUP

REF.	PART NO.	DESCRIPTION	QTY.
	1260301	MAIN HITCH ASSEMBLY (Includes Ref. 1, 2, 3, 4)	1
1	1319126	HITCH - OUTSIDE	1
2	1319127	HITCH - INSIDE	1
3	4513014	LOCKNUT, 1/2"	1
4	4523219	CAPSCREW, 1/2" x 3 1/2"	1
5	1389111	HITCH PIN	2
6	4582004	KLIK PIN, 3/16"	2
7	1310126	SLEEVE	1
8	1319213	TIEBAR	2
9	4516034	LOCKNUT, 5/8" NF	2
10	1280124	TIE ROD END - SPF-10	2
11	1280154	TIE ROD BOLT, 5/8" x 3", Gr. 2	2
12	4514012	LOCKNUT, 3/4"	1
13	3610701	FLAT WASHER, 3/4"	1
14	1319114	PIVOT BRACKET	1
15	4516034	NUT, Hex, 5/8" NF	2
16	4561201	COTTER KEY, 3/16" x 2 1/2"	1
17	4516031	SLOTTED NUT, 1 1/4" SAE	1
18	4524210	CAPSCREW, 3/4" x 3"	1



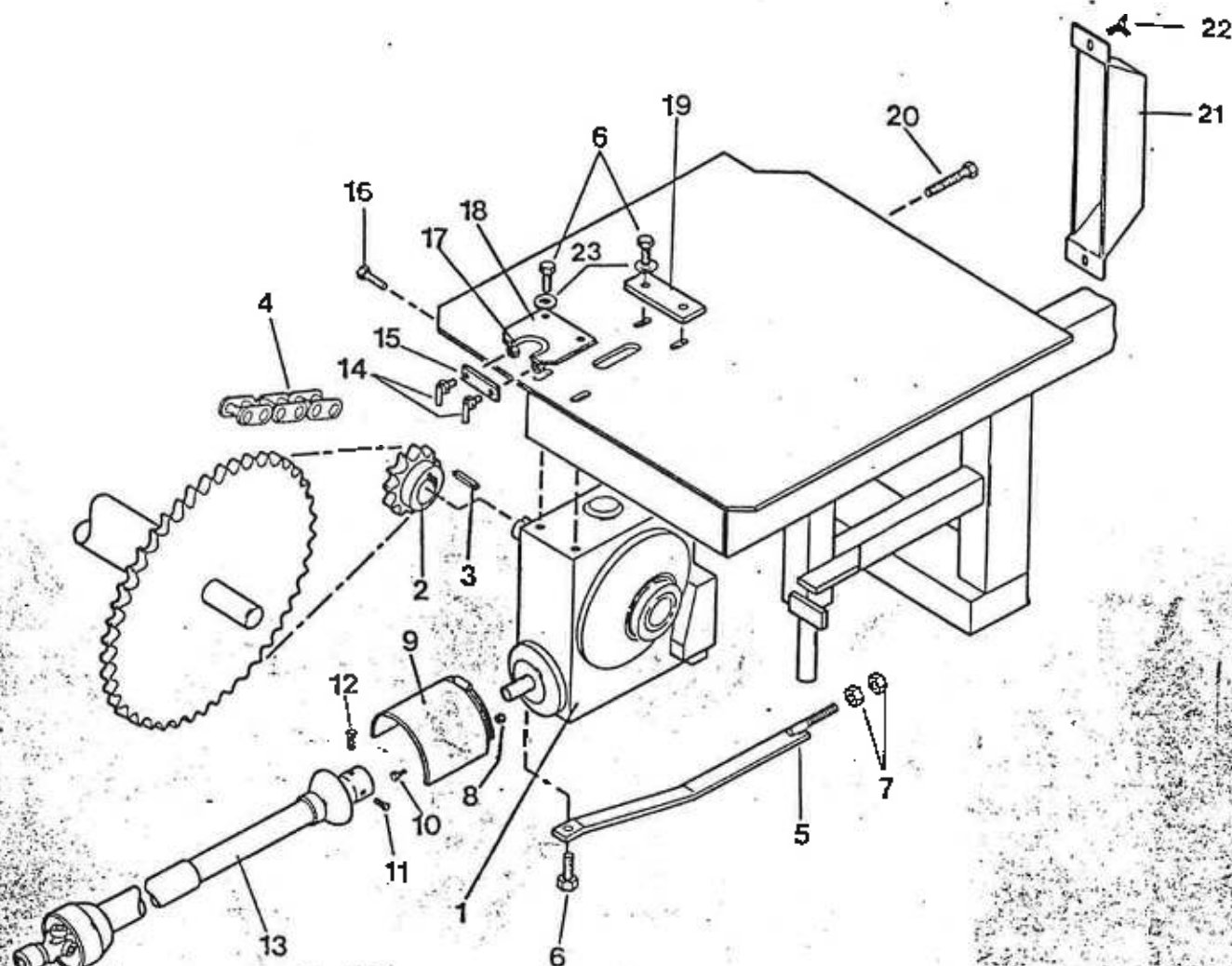
ADJUSTABLE HITCH

REF.	PART NO.	DESCRIPTION	QTY.
1	4582004	KLIP PIN, 3/16"	3
2	1389112	HITCH PIN	1
3	1319121	ADJUSTABLE HITCH - OUTSIDE	1
4	1319122	ADJUSTABLE HITCH - INSIDE	1
5	4523219	CAPSCREW, 1/2" x 3 1/2"	1
6	4513014	LOCKNUT, 1/2"	1
7	1389009	HITCH SWIVEL PIN	2
8	1319125	HITCH SWIVEL	2
9	1319225	HITCH SLIDE	1
10	1260300	ADJUSTABLE HITCH ASSEMBLY (Includes Ref. 3, 4, 5, 6)	1



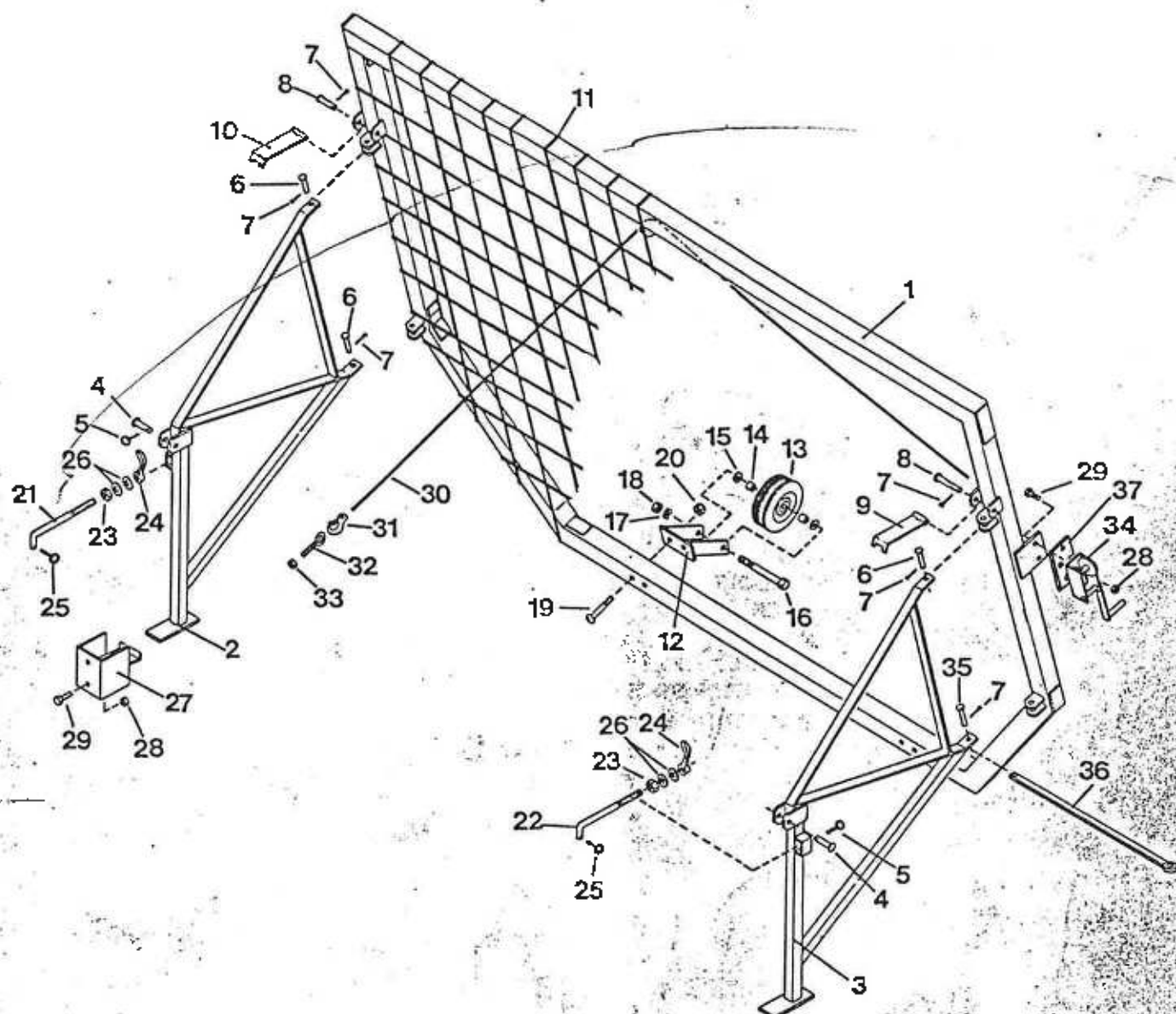
AIR PUMP ASSEMBLY

REF.	PART NO.	DESCRIPTION	QTY.
1	1240005	AIR PUMP	1
2	1260019	AIR HOSE, 3/16" x 3 1/2"	1
3	1200014	HOSE FITTING, 1/8" NPT	2
4	1240009	HOSE CLAMP, 1/4"	2
5	4502114	CARRIAGE BOLT, 3/8" x 1 1/4"	2
6	4512011	NUT, 3/8"	2
7	1240002	CHECK VALVE, 1/8"	1
8	1240007	PIPE NIPPLE, 1/8"	1
9	1240001	PRESSURE GAUGE, 160 PSI	1
10	1240003	AIR MANIFOLD	1
11	1240006	PIPE PLUG, 1/8"	1
12	1240004	FILLER VALVE	1
13	1240008	VALVE EXTENSION	1
14	1200019	EYE HOOK	1
15	1200022	RING, 1 1/2"	1
16	4512001	NUT, 1/4"	2
17	3611733	FLAT WASHER, 1/4"	2
18	3610402	FLAT WASHER, 3/8"	1
19	3620416	LOCK WASHER, 3/8"	1
20	1319223	AIR PUMP COVER TUBE	1



GEARBOX DRIVE GROUP

REF.	PART NO.	DESCRIPTION	QTY.
1	1260209	GEARBOX ASSEMBLY (Linkbelt S-210) <i>with work</i>	1
2	1280104	SPROCKET, 160B12	1
3	1260002	KEY	1
4	1280103	CHAIN #160 ROLLER - 56 PITCHES	1
5	1389110	SUPPORT BAR	1
6	1280102	CAPSCREW, 24MM x 65MM	1
7	4515011	NUT, HEX, 1"	5
8	4512010	LOCKNUT, 5/16"	2
9	1260007	SHIELD, PTO	1
10	4521511	CAPSCREW, 5/16" x 3/4"	1
11	4500038	SETSCREW, 3/8" x 1/2"	2
12	4500033	SETSCREW, 3/8" x 3/4"	1
13	1200006	PTO SHAFT ASSEMBLY	1
14	1389109	TRANSPORT BOLT	1
15	1310291	CLAMP	2
16	4524112	CAPSCREW, 3/4" x 2"	1
17	1280157	PLASTIC TRIM	1
18	1319227	PTO HOLDER	1
19	1310273	PLATE	1
20	1319135	ADJUSTING BOLT	1
21	1319130	SHIELD	1
22	1200025	WING BOLT, 3/8" x 1"	2
23	1310330	WASHER, gear box	2

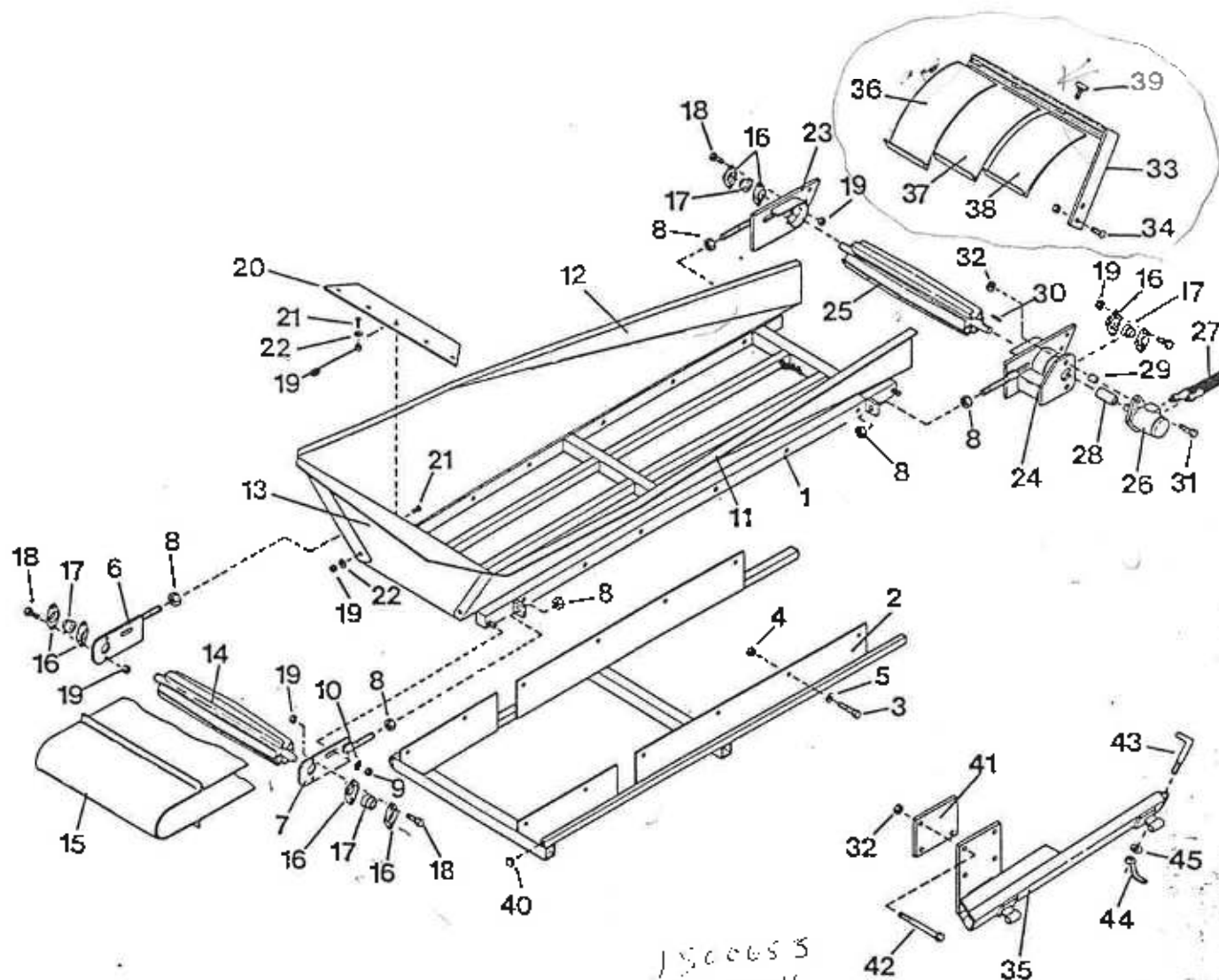


. BACKSTOP ASSEMBLY

REF.	PART NO.	DESCRIPTION	QTY.
1	1319207	BACKSTOP FRAME	1
2	1319208	BACKSTOP LEG - LEFT	1
3	1319230	BACKSTOP LEG - RIGHT	1
4	1389010	PIN, CABLE, 3/4" x 2 3/8"	2
5	4582001	KILK PIN, 1/4"	2
6	4555451	PIN, BACKSTOP LEG, 1/2" x 1 3/4"	3
7	4561103	COTTER KEY	6
8	1310343	PIN, BACKSTOP LOCK, 1/2" x 4 1/4"	2
9	1359006	LEG LOCK - RIGHT	1
10	1359004	LEG LOCK - LEFT	1
11	1200007	NYLON ROPE, 3/8"	1
12	1260321	BACKSTOP WHEEL BRACKET ASSEMBLY (Includes Ref. 12 - 18)	2
13	1319218	WHEEL BRACKET	2
14	1200003	TIRE	2
15	1350030	PIPE SPACER	4

BACKSTOP ASSEMBLY

REF.	PART NO.	DESCRIPTION	QTY.
15	3610512	FLAT WASHER, 1/2"	4
16	4522314	CAPSCREW, 1/2" x 5 1/2"	2
17	3610514	LOCKWASHER, 1/2"	2
18	4513011	NUT, HEX, 1/2"	2
19	4502516	BUTTONHEAD BOLT, 1/2" x 4"	4
20	4513013	LOCKNUT, 1/2"	4
21	1310318	L HOOK - LONG	1
22	1310316	L HOOK - SHORT	1
23	4514011	NUT, HEX, 3/4"	2
24	1200027	HANDLE NUT, 3/4"	2
25	4582004	KLIK PIN, 3/16"	2
26	3610701	FLAT WASHER, 3/4"	4
27	1319222	LEG BRACKET	2
28	4512013	LOCKNUT, 3/8"	6
29	4522120	CAPSCREW, 3/8" x 1 1/4"	8
30	1200007	ROPE, 3/8"	1
31	1100002	HOOK	1
32	1280156	EYEBOLT, 1/2" x 2"	1
33	4513014	LOCKNUT, 1/2"	1
34	1200039	WINCH, DL500	1
35	4555453	PIN, 1/2" x 2 1/4"	1
36	1319235	BACKSTOP STABILIZER	1
37	1310344	BACKSTOP WINCH PLATE	1



SIDE CONVEYOR ASSEMBLY

REF.	PART NO.	DESCRIPTION	QTY.
1	1399101	CONVEYOR FRAME	1
2	1399151	LOWER FRAME ASSEMBLY	1
3	4523222	CAPSCREW, 3/8" x 3"	12
4	4512013	LOCKNUT, 3/8"	16
5	3620416	FLAT WASHER, 3/8"	12
6	1399152	LOWER BEARING BRACKET - LEFT	1
7	1399153	LOWER BEARING BRACKET - RIGHT	1
8	4514011	NUT, 3/4"	8
9	4513013	LOCKNUT, 1/2" - FLANGED	10
10	3610512	FLAT WASHER, 1/2"	6
11	1280135	RIGHT HOPPER SIDE	1
12	1280134	LEFT HOPPER SIDE	1
13	1280155	HOPPER END	1
14	1399107	LOWER BELT PULLEY	1
15	1270004	BELT, 24" x 16'0" w/1" Cleats	1
16	6300015	FLANGETTE	8
17	4000057	BEARING w/lock collar - new	4
18	4521512	CAPSCREW, 5/16" x 1"	8
19	4512009	LOCKNUT, 5/16"	17
20	1390252	BELTING	1
21	4502501	BUTTONHEAD BOLT, 5/16" x 1"	9

150065
1270004

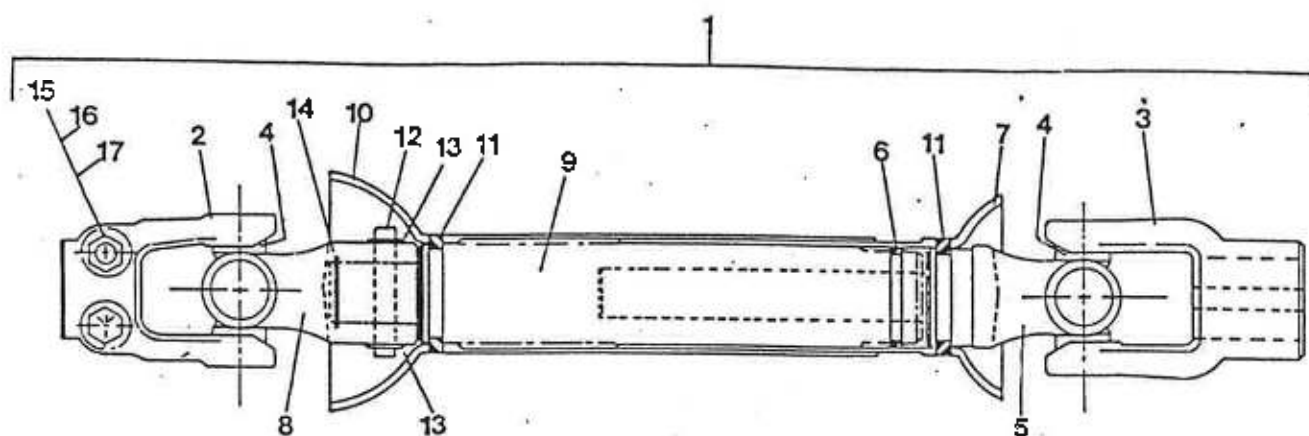
1/8 x 2 1/4 x 24 Flg. Htng
1 1/2 x 2 1/2 5/8 Long

192" L x 24" w w/16" cleats
21" w x 1" face/H

SIDE CONVEYOR ASSEMBLY

REF.	PART NO.	DESCRIPTION	QTY.
22	3610303	FLAT WASHER, 5/16"	9
23	1399154	UPPER BEARING BRACKET - LEFT	1
24	1399155	UPPER BEARING BRACKET - RIGHT	1
25	1399108	UPPER BELT PULLEY $\frac{1}{8} \times 2 \frac{1}{4} \times 24"$ Flight	1
26	1200043	HYDRAULIC MOTOR 6W2F <i>is 6W2</i>	1
27	1200028	HYDRAULIC HOSE, 1/2" x 22'	2
28	1240010	SHAFT COUPLER	1
29	1390226	PIPE, 1/2" x 1/2"	2
30	1260003	KEY, square, 1/4" x 2"	1
31	4523211	CAPSCREW, 1/2" x 2", Gr. 5	2
32	4513014	LOCKNUT, 1/2"	2
33	1399156	FEED DIVERTOR ASSEMBLY	1
34	4502114	CARRIAGE BOLT, 3/8" x 1 1/4", Gr. 5	4
35	1399150	SUPPORT ASSEMBLY	1
36	1250218	DIVERTOR SHEET, 28"	1
37	1250219	DIVERTOR SHEET, 22"	1
38	1250220	DIVERTOR SHEET, 20"	1
39	1399159	DIVERTER SHEET BOLT <i>5:00 y</i>	3
40	1280160	PLASTIC TUBE PLUG	4
41	1390223	PLATE	1
42	4523414	CAPSCREW, 1/2" x 7 1/4"	4
43	1390224	J-BOLT	1
44	1200027	HANDLE NUT	1
45	3610701	FLAT WASHER, 3/4"	1

1" x 29 5/8" Lg
↑
Shaft



POWER TAKE OFF SHAFT ASSEMBLY

REF.	PART NO.	DESCRIPTION	QTY.
1	1200008	P.T.O. SHAFT ASSEMBLY, Complete	1
2	22CF65S76	YOKE, Tractor Half	1
3	22BZZ4S33	YOKE, Implement Half	1
4	2275X	JOURNAL ASSEMBLY	2
5	21124X30.81	YOKE AND SHAFT	1
6	2294-1	NYLON BEARING	1
7	PS50-2.50-22.81SP	INNER SHIELD	1
8	21165	SHEAR YOKE	1
9	2265X69.56-34X	SHEAR TUBE ASSEMBLY	1
10	PS75-2.75-72.96	OUTER SHIELD	1
11	2004	SHIELD BEARING	1
12	2263-4	SHEAR PIN	6
13	2286-8	RETAINING RING	1
14	2286-7	RETAINING RING	2
15	37028	BOLT, 1/2" x 3"	1
16	39015	NUT, 1/2"	2
17	39013	LOCKWASHER, 1/2" STD.	2

SAFETY - FIRST AND ALWAYS

It is not recommended to "loan or rent" your Silopress to anyone. The risk of damage to your machinery or personal injury by an inexperienced operator is not worth it.

- You or a responsible operator should be present at all times during use.
- Your Silopress should never be allowed to operate unattended.
- No one other than essential personnel should be allowed near the machine during operation.
- Your Silopress has been designed and built to be the most efficient machine of its kind. It principally utilizes extreme pressures and torque, therefore, the operator should stay clear of the PTO shaft, feedtable and the backstop and cables during operation. A mishap is unlikely to occur, however, these precautions are advised to prevent potential accidents.
- Keep all shields in place while machine is in operation.
- Do not stand on machine or on feedtable while machine is in operation.
- Do not stand behind backstop or lean against cables while under tension.
- Do not pull the Silopress down the road above 30 mph.
- Make sure rewind handle assembly is disengaged prior to releasing brake pressure.
- Do not stand under or near feedtable while it is being raised or lowered.
- Do not get near PTO shaft while in operation.

WARRANTY POLICY

LIMITED WARRANTY ON SILOPRESS:

Silopress units and auxiliary equipment manufactured by Silopress, Inc. and/or its subcontractors are warranted to be free from defects in materials and workmanship under normal use, subject to the following conditions;

1. Silopress, Inc. will, itself, or through authorized Silopress distributors or dealers, at its option, either repair or replace without charge, parts or components which shall, within twelve (12) months after the date of original-user-purchase, be found to Silopress, Inc.'s satisfaction to have been defective in material or workmanship under normal use.
2. This warranty will not apply to cover breakdowns caused by improper handling of the machine, operator abuse, or operation of the machine with a known out-of-adjustment condition that could cause parts failure or abnormal wear. This warranty shall not apply if the machine has been repaired, altered, or modified in any way whatsoever which, in Silopress, Inc.'s opinion, would adversely affect its performance or reliability, or if the machine has been subject to misuse, contamination, negligence, or accident resulting in damage to the machine, or if the machine is not properly maintained, pursuant to Silopress, Inc.'s written Silopress recommendations; nor shall this warranty cover wear which may occur at a higher than normal rate due to adverse conditions or unusually heavy usage.
3. In the event of machine failure, the original-user-purchaser of the machine should notify the sales organization from which the machine was purchased. Final authorization allowing warranty will be issued by Silopress, Inc.
4. Silopress, Inc. will take action to repair or replace warranted items upon its authorization of warranty coverage. Silopress, Inc. will, if necessary, ship any required parts or components, but shall not be responsible for delays in transit. If parts or components are required to be returned to the factory for warranty coverage, they must be shipped prepaid.
5. Dealer Travel Time. The customer shall be responsible for payment of dealer travel time to the machine or to deliver the machine to the dealer's service shop for repair. This warranty does not cover travel time or mileage.
6. Used Equipment. This warranty shall apply only to the original owner of new equipment. The Company shall have no liability for used equipment.
7. If a unit is leased or rented, the warranty period starts on the date the unit is first leased and/or rented. If the unit is sold to a second user at a later date, it is then considered a used machine.
8. Silopress, Inc. continually strives to improve its products and, therefore, reserves the right to make improvements or changes without incurring any obligation to make such changes or additions on equipment previously sold.
9. This is Silopress, Inc.'s sole express warranty with respect to Silopress units and to their auxiliary equipment manufactured by Silopress, Inc. Silopress, Inc. makes no other express warranty of any kind whatsoever. Any oral statement by Silopress, Inc. personnel or Silopress Distributors or Dealers do not constitute warranties, shall not be relied upon by the Customer, and are not part of the sales contract.
10. The duration of any implied warranty, and of all warranties for merchantability and fitness for a particular purpose, shall be limited to twelve (12) months with all such time periods commencing on the date of original-user-purchase, rental or lease; and to the full extent of applicable law, consequential damage or breach of warranty are hereby disclaimed and excluded by Silopress, Inc.
11. This warranty shall not be applicable to items which are subject to the warranties of their respective manufacturers. Such items would include, but would not be limited to, engines, clutches, hydraulic components, batteries, tires, belts, and other trade accessories.

LIMITED WARRANTY ON SILOBAGS

All recommendations or suggestions of use are made without guarantee, since conditions of use are beyond the control of Silopress, Inc. Silopress, Inc. maintains no obligation or liability for consequential damages arising out of or in connection with use of this product, including, but not limited to inconveniences; loss of profit, commercial loss, feed loss of any type, or costs of removal, installation, or reinstallation.

SILOBAG WARRANTY CLAIM

Silopress Owner:

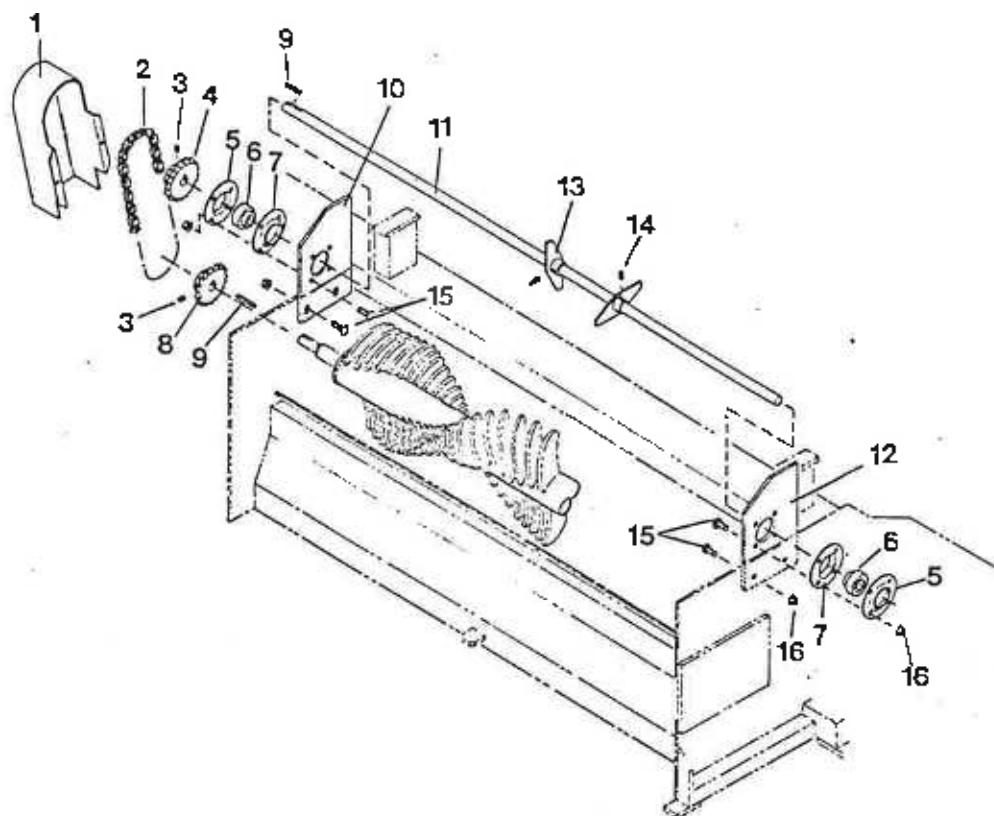
We would appreciate your cooperation in reporting a bag failure claim. In the rare event that this may occur, please adhere to the following procedure:

1. Call your dealer or sales representative for assistance.
Please do not call the office unless you do not have a dealer or sales representative in your area.
2. Furnish all pertinent information required on the bag failure claim form. This will be furnished to you by your dealer/representative.
3. Either you or the dealer should acquire clear and detailed photographs of the damaged area. Polaroid photos are acceptable.
4. Supply dealer with actual samples of the damaged area. This is necessary for analysis by the manufacturer.

Your dealer should visit you to evaluate the claim. All information must be complete and accurate, or processing of the claim will be delayed. Your dealer/representative will communicate with you on claim status.

Conditions of the Silobag warranty:

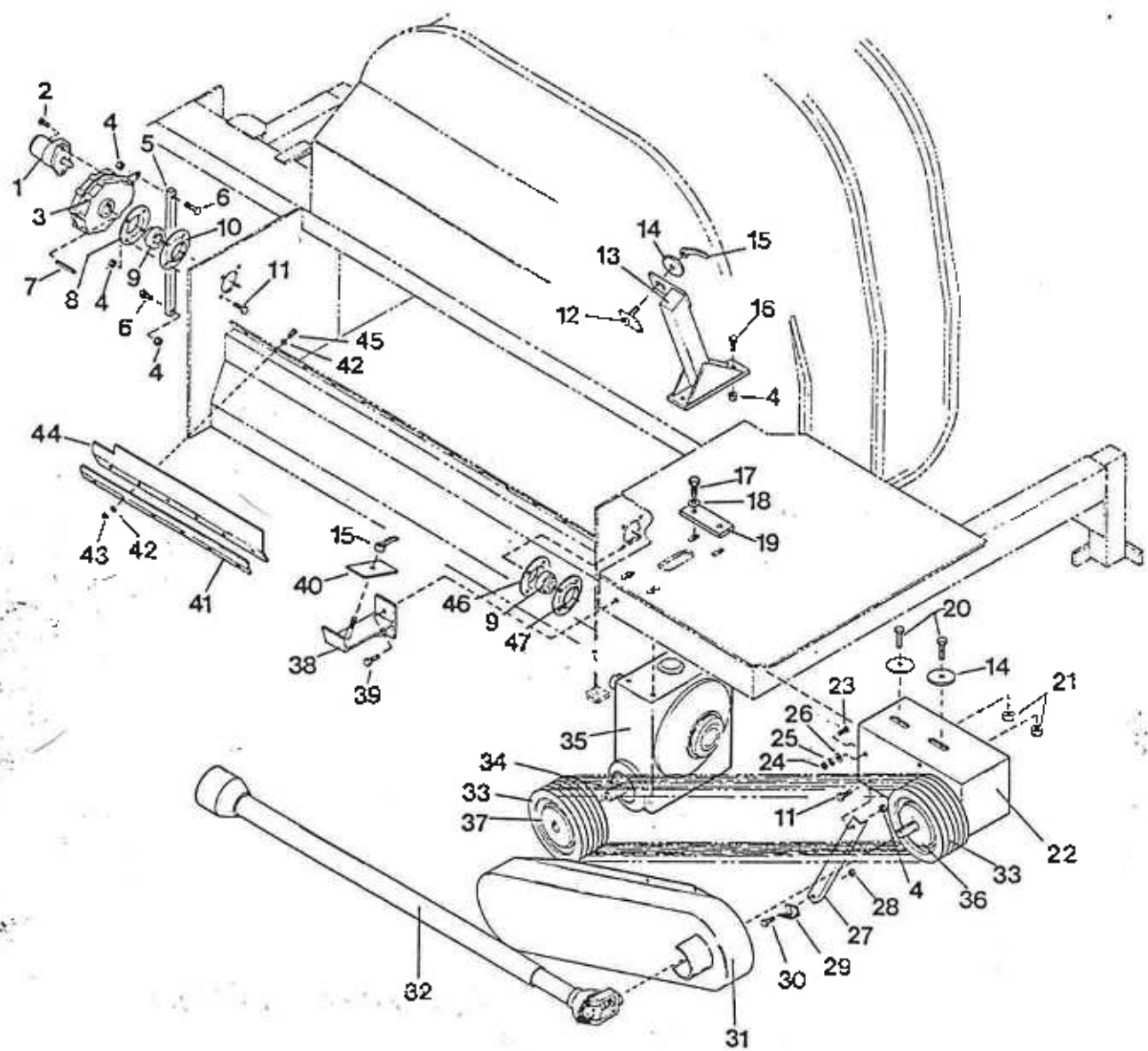
Each Silobag is warranted against defective material or workmanship. The warranty does not cover improper filling procedure (i.e. high pressures which stretch bag material), improper management, puncture, weather damage, accident, or vandalism. The warranty does not include loss of feed, time, or rebagging costs if applicable.



FEEDER SHAFT ASSEMBLY

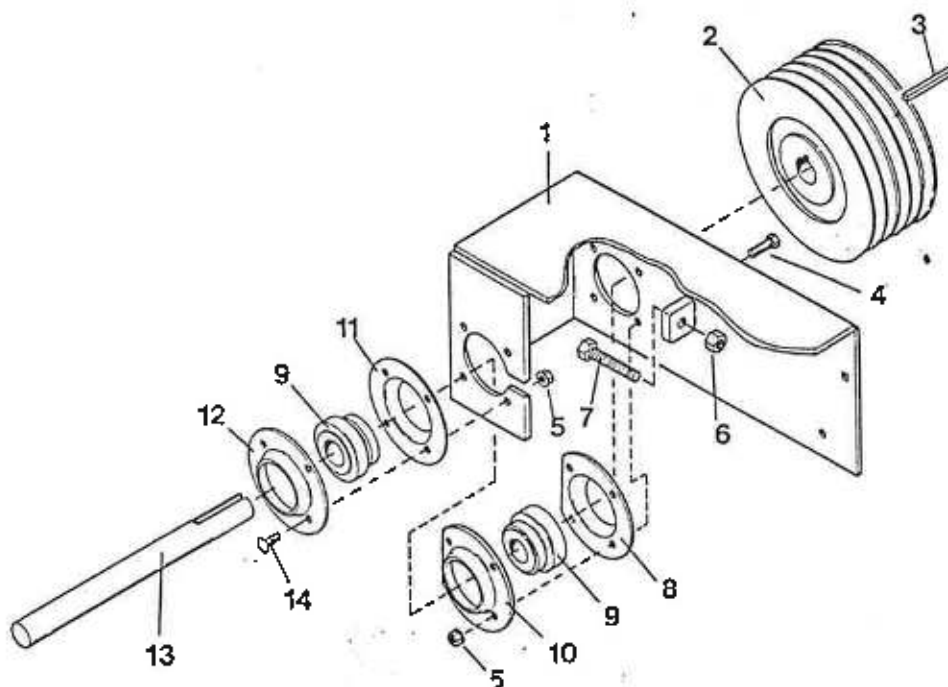
REF.	PART NO.	DESCRIPTION	QTY.
1	1280196	FEEDER SHAFT SHIELD	1
2	1280170	ROLLER CHAIN, #60	1
	1280194	OFFSET LINK #60	1
3	4500018	SET SCREW, 3/8" x 3/8" Allen Head	2
4	1280192	SPROCKET, 60B22, 1-5/8" bore	1
5	6300006	FLANGE HOUSING w/grease zerk 85 MSA	2
6	4000063	BEARING w/collar UG 228 NL	2
7	6300007	FLANGE HOUSING 85 MSB	2
8	1280193	SPROCKET, 60B22, 1 3/4" bore	1
9	1280112	KEY, 3/8" square x 3"	2
10	1310467	RIGHT SUPPORT PLATE	1
11	1310350	FEEDER SHAFT	1
12	1310389	LEFT SUPPORT PLATE	1
13	1319256	FEEDER SHAFT TIME	14
14	4500038	SET SCREW, 3/8" x 1/2", square head	14
15	4500008	CARRIAGE BOLT, 1/2" x 1 1/4"	12
16	4513013	FLANGE NUT 1/2" LOCK	12

FEEDTABLE DRIVE GROUP



FEEDTABLE DRIVE GROUP

REF.	PART NO.	DESCRIPTION	QTY.
1	1280180	HYDRAULIC MOTOR 32W2F	1
2	4523108	CAPSCREW, socket head, 1/2" x 1 1/4"	2
3	1280178	GEARBOX	1
4	4513013	FLANGE NUT, 1/2" LOCK	15
5	1310393	SUPPORT ARM, gearbox	1
6	4523211	CAPSCREW, 1/2" x 2"	2
7	1280179	KEY, square, 3/8" x 4"	1
8	6300006	FLANGE HOUSING W grease zerk 85 MSA	1
9	4000063	BEARING w/collar UG 728 NL	2
10	6300007	FLANGE HOUSING 85 MSB	1
11	4523110	CAPSCREW, 1/2" x 1 1/4"	9
12	1319257	TRANSPORT PIN	1
13	1319247	FEEDTABLE FOLDUP STOP	1
14	1310418	WASHER	3
15	1200027	HANDLE NUT, 3/4"	2
16	4523121	CAPSCREW, 1/2" x 1 3/4"	2
17	1280102	CAP SCREW, 24MM x 65MM	4
18	1310330	WASHER	4
19	1310273	GEARBOX BOLT PLATE	1
20	4523619	CAPSCREW, 3/4" NF x 2 1/2"	2
21	4514034	FLANGE NUT, 3/4" NF	2
22	1319244	GEARBOX SIDE DRIVE UNIT	1
23	4502111	CARRIAGE BOLT, 3/8" x 1 1/4"	2
24	4512011	NUT, Hex, 3/8"	2
25	3620416	LOCK WASHER, 3/8"	2
26	3610402	FLAT WASHER, 3/8"	2
27	0000419	UPPER SHIELD SUPPORT	1
28	4512013	LOCKNUT, 3/8"	2
29	0000418	LOWER SHIELD SUPPORT	1
30	4522112	CAPSCREW, 3/8" x 1"	2
31	1280195	SHIELD	1
32	1200010	P.T.O. SHAFT ASSEMBLY w/1 1/4" bore - Yoke	1
33	1280278	SHEAVE, 10.3" OD - 5 Groove w/o Hub	2
34	1280279	BELT, 5 R5V1060, 5 Groove <i>5/5Vx1060 1500418</i>	1
35	1260209	GEARBOX	1
36	1280190	SHEAVE HUB, 1 1/4" Bore	1
37	1280191	SHEAVE HUB, 1-7/8" Bore	1
38	1319269	P.T.O. SUPPORT BRACKET	1
39	4523111	CAPSCREW, 1/2" x 1 1/2"	2
40	1310465	CLAMP PLATE	1
41	1310474	PLATE, belting backing	2
42	3610302	FLAT WASHER, 5/16"	24
43	4512010	NUT, Hex, 5/16"	12
44	1310478	FEED GUIDE STRAP - RIGHT	1
	1310481	FEED GUIDE STRAP - LEFT	1
45	4502502	BUTTON HEAD BOLT, 5/16" x 1 1/4"	12
46	0000426	FLANGE HOUSING w/sheared corner	1
47	0000425	FLANGE HOUSING w/sheared corner	1

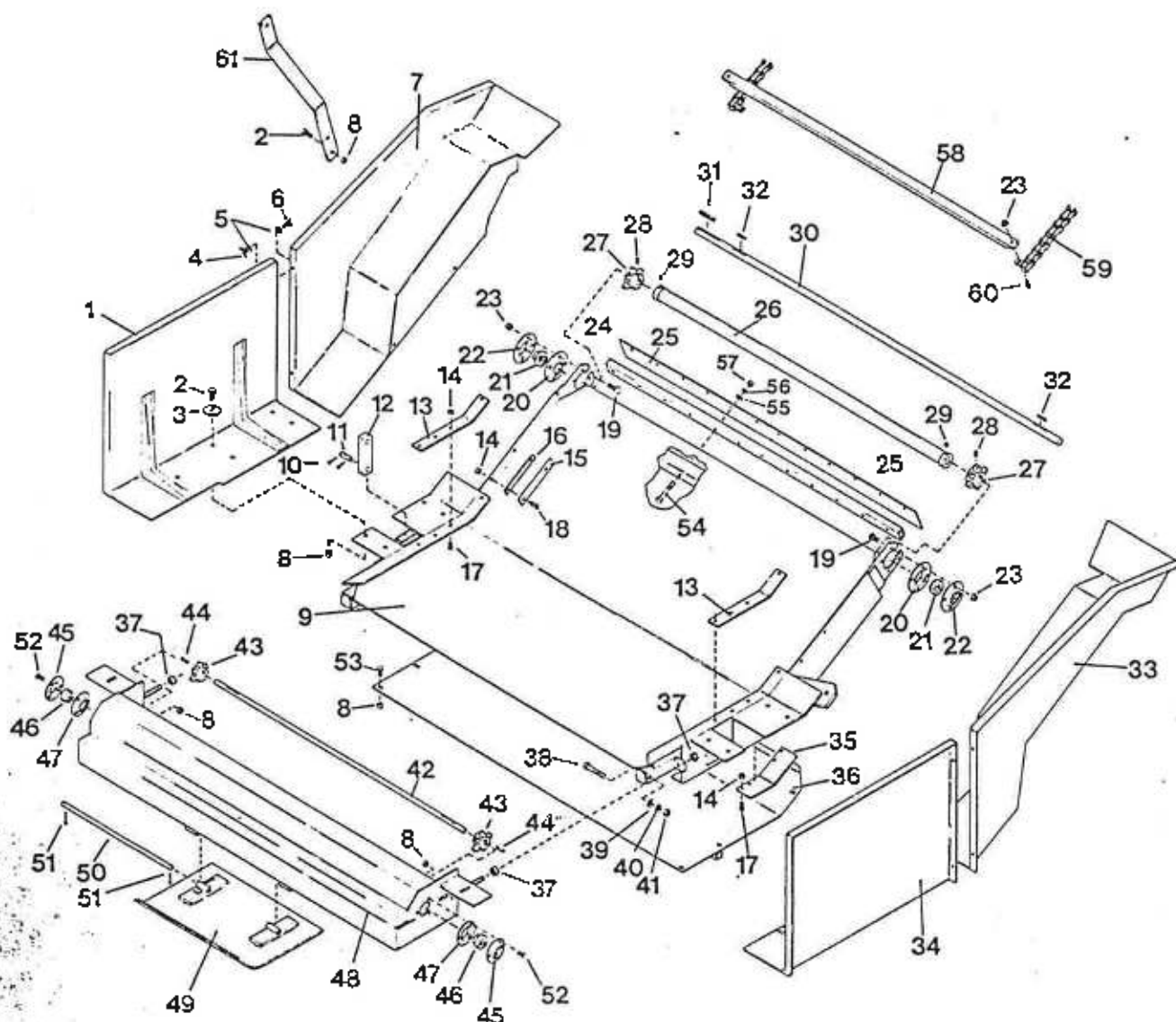


GEARBOX SIDEDRIVE UNIT

REF.	PART NO.	DESCRIPTION	QTY.
1	1319244	HOUSING side drive	1
2	1280278	SHEAVE, 10.3"OD - 5 Groove	1
3	1280179	KEY, square, 3/8" x 4"	1
4	4523110	CAPSCREW, 1/2" x 1 1/4"	4
5	4513013	FLANGE NUT, 1/2" LOCK	8
6	4514011	NUT, Hex, 3/4"	1
7	1319268	ADJUSTING BOLT	1
8	0000426	FLANGE HOUSING (Sheared)	1
9	4000063	BEARING w/collar UG 228 NL	2
10	0000492	FLANGE HOUSING w/grease zerk	1
11	6300007	FLANGE HOUSING 85 MSB	1
12	6300006	FLANGE HOUSING w/grease zerk 85 MSA	1
13	1310351	SHAFT, gearbox side drive	1
14	4500008	CARRIAGE BOLT, 1/2" x 1 1/4"	4
15	1280190	SHEAVE HUB, 1 3/4" Bore	1

STANDARD FEEDTABLE ASSEMBLY

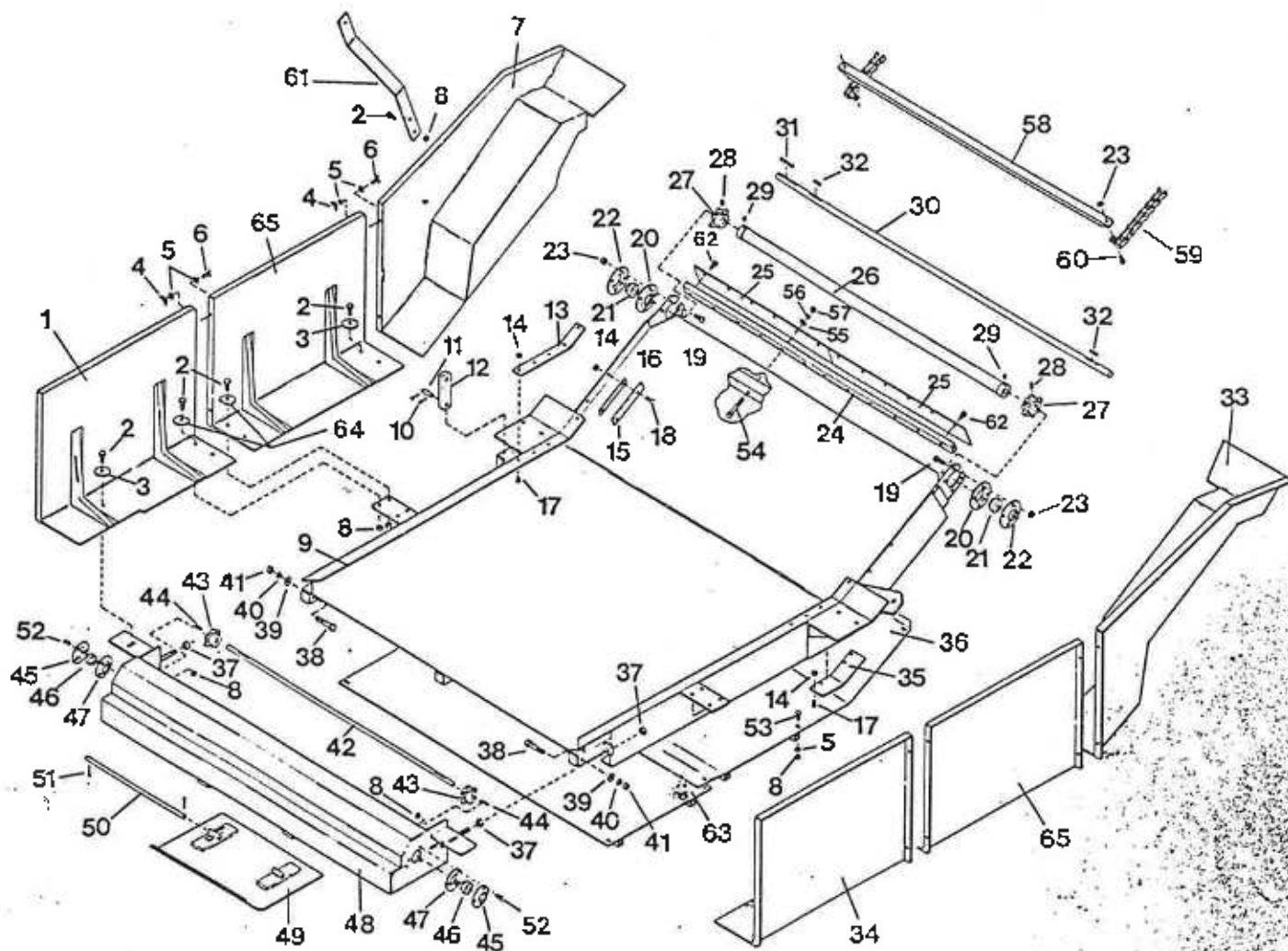
REF.	PART NO.	DESCRIPTION	QTY.
19	4500008	CARRIAGE BOLT, 1/2" x 1 1/4"	8
20	6300006	FLANGE HOUSING 85 MSB	2
21	4000063	BEARING w/collar UG 228 NL	2
22	6300007	FLANGE HOUSING w/grease zerk 85 MSA	2
23	4513013	FLANGE NUT, 1/2" LOCK	32
24	1310476	SPACER TUBE, belting	1
25	1310456	BELTING	2
26	1319253	SHAFT COVER TUBE	1
27	1280172	PINTLE SPROCKET, N69-21, 1 1/4" Bore	2
28	4500030	SET SCREW, 3/8" x 3/4" Allen Head	2
29	4500018	SET SCREW, 3/8" x 3/8" Allen Head	2
30	1310353	SHAFT, 1 1/4" Dia.	1
31	1280179	KEY, 3/8" square x 4"	1
32	1280251	KEY, 3/8" square x 2 1/4"	2
33	1280186	INSIDE LEFT HOPPER	1
34	1280185	OUTSIDE LEFT HOPPER	1
35	1310429	WEAR PAD - BOTTOM	2
36	1319285	BOTTOM SHEET	1
37	4515011	NUT, Hex, 1"	4
38	4524243	CAPSCREW, 3/4" x 4"	2
39	3610701	FLAT WASHER, 3/4"	2
40	3620714	LOCK WASHER, 3/4"	2
41	4514011	NUT, Hex, 3/4"	2
42	1310352	SHAFT, 1 1/4" Dia.	1
43	1220001	PINTLE SPROCKET N69-7, 1 1/4" Bore	2
44	1260002	KEY, 5/16" square x 2"	2
45	6300016	FLANGE HOUSING w/grease zerk 72 MSA	2
46	4000056	BEARING w/collar UG 220 NL	2
47	6300017	FLANGE HOUSING 72 MSB	2
48	1319243	FEEDTABLE NOSE ASSEMBLY	1
49	1319242	SKIDPLATE ASSEMBLY	1
50	1310402	PIN	1
51	4561104	COTTER KEY, 3/16" x 1 1/2"	2
52	4502114	CARRIAGE BOLT, 3/8" x 1 1/4"	6
53	4522115	CAPSCREW, 3/8" x 3/4"	8
54	4522208	CAPSCREW, 1/4" x 4 1/2"	12
55	3611733	FLAT WASHER	12
56	3620316	LOCK WASHER	12
57	4512001	NUT, Hex, 1/4"	12
58	1310475	FEEDTABLE BAR	12
59	1280273	CHAIN, R667 Pintle	2
60	4502510	BUTTON HEAD BOLT, 1/2" x 1 1/4"	24
61	0000654	HOPPER BRACE, inside right hopper	1
62	4523616	SELF TAPPING SCREW, 5/16" x 3/4"	2



STANDARD FEEDTABLE ASSEMBLY

REF.	PART NO.	DESCRIPTION	QTY.
1	1280187	OUTSIDE RIGHT HOPPER	1
2	4522112	CAPSCREW, 3/8" x 1"	10
3	1310482	WASHER	10
4	4513043	WING NUT, 3/8"	6
5	3610402	FLAT WASHER, 3/8"	8
6	1200025	WING BOLT, 3/8" x 1"	6
7	1280188	INSIDE RIGHT HOPPER	1
8	4512013	LOCKNUT 3/8"	22
9	1319250	FEEDTABLE FRAME	1
10	4562101	COTTER KEY, 1/4" x 1 1/2"	2
11	5100139	PIN	1
12	1310423	CYLINDER PIVOT BAR	1
13	1310427	WEAR PAD - TOP	2
14	4512001	NUT, Hex, 1/4"	20
15	1310431	WEAR PAD - SIDE	2
16	1310417	WEAR PAD SPACER	2
17	1280173	MACHINE BOLT, 1/4" x 3/4"	16
18	1280174	MACHINE BOLT, 1/4" x 1 1/4"	4

51



JUMBO FEEDTABLE ASSEMBLY

REF.	PART NO.	DESCRIPTION	QTY.
1	1280187	OUTSIDE RIGHT HOPPER	1
2	4522112	CAPSCREW, 3/8" x 1"	16
3	1310482	WASHER	6
4	4513043	WING NUT, 3/8"	10
5	3610402	FLAT WASHER, 3/8"	20
6	1200025	WING BOLT, 3/8" x 1"	10
7	1280188	INSIDE RIGHT HOPPER	1
8	4512013	LOCKNUT 3/8"	16
9	1319276	FEEDTABLE FRAME	1
10	4562101	COTTER KEY, 1/4" x 1 1/2"	2
11	5100139	PIN	1
12	1310423	CYLINDER PIVOT BAR	1
13	1310427	WEAR PAD - TOP	2
14	4512001	NUT, Hex, 1/4"	20
15	1310431	WEAR PAD - SIDE	2
16	1310417	WEAR PAD SPACER	2
17	1280173	MACHINE BOLT, 1/4" x 3/4"	16
18	1280174	MACHINE BOLT, 1/4" x 1 1/4"	4

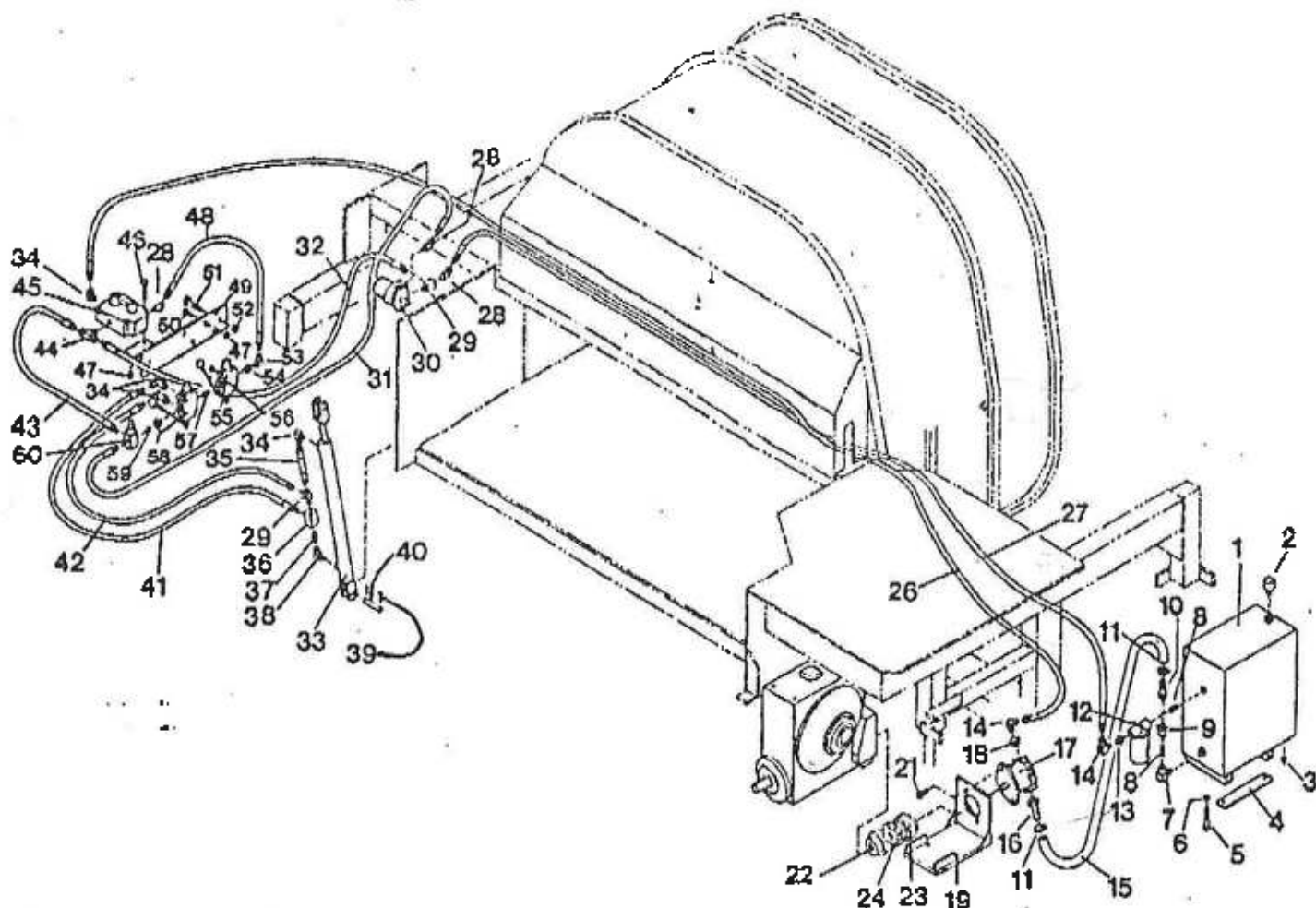
JUMBO FEEDTABLE ASSEMBLY

REF.	PART NO.	DESCRIPTION	QTY.
19	4500008	CARRIAGE BOLT, 1/2" x 1 1/4"	8
20	6300006	FLANGE HOUSING	2
21		BEARING w/collar <i>Inher Federal Mogal SNPS 112R</i>	2
22	6300007	FLANGE HOUSING w/grease zerk	2
23	4513013	FLANGE NUT, 1/2" LOCK	44
24	1310476	SPACER TUBE, belting,	1
25	1310456	BELTING	2
26	1319253	SHAFT COVER TUBE	1
27	1280172	PINTLE SPROCKET, N69-21	2
28	4500030	SET SCREW, 3/8" x 3/4" Allen Head	6
29	4500018	SET SCREW, 3/8" x 3/8" Allen Head	4
30	1310353	SHAFT	1
31	1280179	KEY, 3/8" square x 4" (Rotor)	1
32	1280251	KEY, 3/8" square x 2 1/4"	2
33	1280186	INSIDE LEFT HOPPER	1
34	1280185	OUTSIDE LEFT HOPPER	1
35	1310429	WEAR PAD - BOTTOM	2
36	1319286	BOTTOM SHEET, inside	1
37	4515011	NUT, Hex, 1"	4
38	4524243	CAPSCREW, 3/4" x 4"	2
39	3610701	FLAT WASHER, 3/4"	2
40	3620714	LOCK WASHER, 3/4"	2
41	4514011	NUT, Hex, 3/4"	2
42	1310352	SHAFT	1
43	1220001	PINTLE SPROCKET N69-7	2
44	1260002	KEY, 5/16" square x 2"	2
45	6300016	FLANGE HOUSING w/grease zerk	2
46	4000056	BEARING w/collar	2
47	6300017	FLANGE HOUSING	2
48	1319343	FEEDTABLE NOSE ASSEMBLY	1
49	1319242	SKIDPLATE ASSEMBLY	1
50	1310402	PIN	1
51	4561104	COTTER KEY, 3/16" x 1 1/2"	2
52	4522120	CARRIAGE BOLT, 3/8" x 1 1/4"	0
53	4522115	CAPSCREW, 3/8" x 3/4"	8
54	4522208	CAPSCREW, 1/4" x 4 1/2"	12
55	3611733	FLAT WASHER	12
56	3620316	LOCK WASHER	12
57	4512001	NUT, Hex, 1/4"	12
58	1310476	FEEDTABLE BAR	12
59	1280260	CHAIN, R667 Pinile	2
60	4502510	BUTTON HEAD BOLT, 1/2" x 1 1/4"	36
61	0000654	HOPPER BRACE, inside right hopper	1
62	4523616	SELF TAPPING SCREW, 5/16" x 3/4"	2
63	1319362	BOTTOM SHEET, outside	1
64	1310483	WASHER (Shouldered)	0
65	1280261	OUTSIDE HOPPER w/no cutout	2

M14A1A Flange
Alum cast
6S6041
Keyed

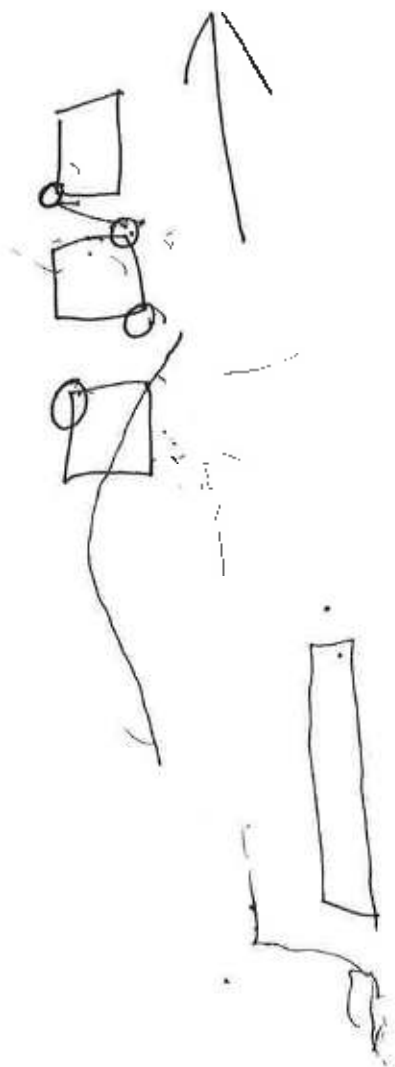
6S6041

\$306.56
Parker



HYDRAULIC SYSTEM

REF.	PART NO.	DESCRIPTION	QTY.
1	1280205	HYDRAULIC OIL TANK	1
2	1280259	BREATHER CAP	1
3	1280228	PIPE PLUG, 3/4" NPT	1
4	1310449	PLATE	2
5	4522212	CAPSCREW, 3/8" x 3 1/2"	4
6	4512013	LOCKNUT, 3/8"	4
7	1280208	STREET ELBOW, 90°, 3/4"	1
8	1280226	NIPPLE, 3/4" x 2"	2
9	1280255	BELL REDUCER, 1 1/4" x 3/4"	1
10	1280254	CONNECTOR, 1 1/4" NPT x 1 1/4" Hose	1
11	1280258	HOSE CLAMP	2
12	1280206	FILTER	1
13	1280184	BUSHING, 1/2" x 3/4"	1
14	6052203	ELBOW, 90° M-F Swivel	2
15	1280257	HOSE, 1 1/4"	1
16	1280212	CONNECTOR, 1 1/4" Hose - 1-5/8" O-Ring	1
17	1280197	PUMP <i>Parker M14AA1A 165604 #306.56 10/98</i>	1
18	1280213	ADAPTER, 1-1/16" O-Ring - 1/2" NPT	1
19	1319261	MOUNTING BRACKET	1
20	4513013	FLANGE NUT, 1/2" LOCK	2
21	4523111	CAPSCREW 1/2" x 1 1/2" <i>#4</i>	2
22	1280261	COUPLER - Lovejoy w/ 3/8" bore <i>1280209</i>	1
23	1280280	COUPLER - Lovejoy w/ 7/8" bore <i>1280210</i>	1
24	1280282	COUPLER - Lovejoy SPIDER - 4 Jaw <i>1280211</i>	1



HYDRAULIC SYSTEM

REF.	PART NO.	DESCRIPTION	QTY.
25	1280223	CAPSCREW, 24MM x 75MM	2
26	1280229	HYDRAULIC HOSE, 177" long	1
27	1280230	HYDRAULIC HOSE, 163" long	1
28	5022203	ELBOW, 45°, Male, Swivel Female - 1/2" NPT	3
29	5062220	TEE, Male, Female, Female - 1/2" NPT	2
30	1280180	HYDRAULIC MOTOR, 32W2F - <i>first sold to Ormark 1988</i>	1
31	1280235	HYDRAULIC HOSE, 35" long	1
32	1280234	HYDRAULIC HOSE, 22" long	1
33	4811101	HYDRAULIC CYLINDER, 2 1/2" x 30" (Standard Feedtable)	1
	3811100	HYDRAULIC CYLINDER, 3" x 30" (Jumbo Feedtable)	1
34	5032203	ELBOW, 90° Male, Swivel Female - 1/2" NPT	3
35	1280238	HYDRAULIC HOSE, 23 1/2" long	1
36	5082227	CHECK VALVE, single	1
37	1280274	PIPE NIPPLE w/Hex center, 1/2"	1
38	1280272	RESTRICTOR ELBOW, 90° Swivel, w 3/64" Orifice - 1/2" NPT	1
39	4562101	COTTER KEY, 1/4" x 1 1/2"	2
40	5100139	PIN, 1" Dia. x 3-1/8"	1
41	1280231	HYDRAULIC HOSE, 63" long	1
42	1280232	HYDRAULIC HOSE, 65" long	1
43	1280223	HYDRAULIC HOSE, 24" long	1
44	5062220	TEE, Female Swivel, Male, Female Swivel - 1/2" NPT	1
45	1280181	FLOW CONTROL w/ Relief Set 200PSI FCR 51	1
46	4521120	CAPSCREW, 1/4" x 3"	2
47	4512001	LCO LOCKNUT, 1/4"	2
48	1280236	HYDRAULIC HOSE, 27" long	1
49	1319270	CONTROL BASE	1
50	4521113	CAPSCREW, 1/4" x 1 1/2"	4
51	4524210	CAPSCREW, 3/4" x 3"	2
52	4514011	NUT, hex, 3/4"	2
53	5052203	ELBOW, 90°, 1/2" NPT	2
54	1280184	BUSHING, 3/4" x 1/2" NPT	2
55	1280183	CONTROL VALVE, bent handle	1
56	1280250	PIPE PLUG, 1/2" Allen Head	2
57	1260226	NIPPLE, short, 3/4" NPT	1
58	1280182	CONTROL VALVE TANDEM CENTER, Straight Handle	1
59	5032203	NIPPLE, short, 1/2"	1
60	1280207	RELIEF VALVE w/Relief Set 500PSI RL 60	1
	0000540	Reusable Hose End	

Mechanical Tool & Engineering
 815-397-4781
 Flow Products

Fluid Air
 254-9292
 Steve

HYDRAULIC SYSTEM

REF.	PART NO.	DESCRIPTION	QTY.
25	1280223	CAPSCREW, 24MM x 75MM	2
26	1280229	HYDRAULIC HOSE, 177" long	1
27	1280230	HYDRAULIC HOSE, 163" long	1
28	5022203	ELBOW, 45°, Male, Swivel Female - 1/2" NPT	3
29	5062220	TEE, Male, Female, Female - 1/2" NPT	2
30	1280180	HYDRAULIC MOTOR, 32W	1
31	1280235	HYDRAULIC HOSE, 35" long	1
32	1280234	HYDRAULIC HOSE, 22" long	1
33	4811101	HYDRAULIC CYLINDER, 2 1/2" x 30" (Standard Feedtable)	1
	4811100	HYDRAULIC CYLINDER, 3" x 30" (Jumbo Feedtable)	1
34	1280207	RELIEF VALVE w/Relief Set 500PSI RL-50	1
35	1280238	HYDRAULIC HOSE, 23 1/2" long	1
36	5082227	CHECK VALVE, single	1
37	1280274	PIPE NIPPLE w/Hex center, 1/2" NPT	1
38	1280272	RESTRICTOR ELBOW, 90° Swivel, w 3/64" Orifice - 1/2" NPT	1
39	4562101	COTTER KEY; 1/4" x 1 1/2"	2
40	5100139	PIN, 1" Dia. x 3-1/8"	1
41	1280231	HYDRAULIC HOSE, 63" long	1
42	1280232	HYDRAULIC HOSE, 65" long	1
43	1280233	HYDRAULIC HOSE, 24" long	1
44	5062220	TEE, Female Swivel, Male, Female Swivel - 1/2" NPT	1
45	1280181	FLOW CONTROL w/ Relief Set 1750 PSI FCR 51	1
46	4521120	CAPSCREW, 1/4" x 3"	2
47	4512001	NUT, 1/4"	2
48	1280236	HYDRAULIC HOSE, 27" long	1
49	1319270	CONTROL PLATE	1
50	4521113	CAPSCREW, 1/4" x 1 1/2"	4
51	4524210	CAPSCREW, 3/4" x 3"	2
52	4514011	NUT, hex, 3/4"	2
53	5052203	ELBOW, 90°, 1/2" NPT	2
54	1280184	BUSHING, 3/4" x 1/2" NPT	2
55	1280183	CONTROL VALVE, bent handle - OPEN CENTER	1
56	1280250	PIPE PLUG, 1/2" Allen Head	2
57	1280226	NIPPLE, short, 3/4" NPT	2
58	1280182	CONTROL VALVE TANDEM CENTER, Straight Handle	1

